



UNIVERSITY OF LYNCHBURG CATALOGUE

One Hundred-Sixteenth Session 2018-19
Lynchburg, Virginia 24501-3113

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**University of Lynchburg
Lynchburg, VA 24501-3113
434.544.8100**

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FALL SEMESTER 2018

ACADEMIC CALENDAR

	M	T	W	R	F	S
Aug				23	24	
	27	28	29	30	31	
Sept	3	4	5	6	7	
	10	11	12	13	14	
	17	18	19	20	21	
	24	25	26	27	28	
Oct	1	2	3	4	5	
	8	9	10	[11]	[12]	
	15	16	17	18	19	
	24	23	24	25	26	
Oct/Nov	29	30	31	1	2	
	5	6	7	8	9	
	12	13	14	15	16	
	[19]	[20]	[21]	[22]	[23]	
	26	27	28	29	30	
Dec	3	4	5	6	7	RD
	(10)	(11)	(12)	(13)	(14)	(15)

Calendar Codes: [#] = Holiday, No Classes

RD = Reading Day

(#) = Examination Day

CALENDAR OF EVENTS

August	23	.....	First Day of Classes
	30	.....	End of Add Period
September	12	.....	End of 3 week Withdrawal Period
	14-16	.....	Parents and Family Weekend
	19	.....	Pass/Fail Deadline
October	10	.....	Mid semester
	11-14	.....	Midterm Vacation
	19-21	.....	Homecoming Weekend
November	2	.....	End of 10 week Withdrawal Period
	17-25	.....	Thanksgiving Holiday
December	7	.....	Last Day of Classes
	10-15	.....	Examination Period

JANUARY TERM (Optional)..... December 17 - January 18

January 18 January Degree Granted Date

SPRING SEMESTER 2019

ACADEMIC CALENDAR

	M	T	W	R	F	S
Jan	21	22	23	24	25	
Jan/Feb	28	29	30	31	1	
	4	5	6	7	8	
	11	12	13	14	15	
	18	19	20	21	22	
Feb/March	25	26	27	28	1	
	4	5	6	7	8	
	[11]	[12]	[13]	[14]	[15]	
	18	19	20	21	22	
	25	26	27	28	29	
April	1	2	3	4	5	
	8	9	{10}	11	12	
	15	16	17	18	19	
	22	23	24	25	26	
May	29	30	1	2	3	
	*6	RD	(8)	(9)	(10)	(11)
	(13)	(14)				"18"

Calendar Codes: [#] = Holiday, No Classes

{#} = Student Scholar Showcase & Assessment Day, No Classes

* = Wednesday Classes will meet on May 6

(#) = Examination Day "#" = Commencement

CALENDAR OF EVENTS

January	21.....	First Day of Classes
	28.....	End of Add Period
February	8.....	End of 3 week Withdrawal Period
	15.....	Pass/Fail Deadline
March	8.....	Mid semester
	9-17.....	Midterm Vacation
April	5.....	End of 10 week Withdrawal Period
	5-7.....	Westover Alumni Society Weekend
	10.....	Student Scholar Showcase & Assessment Day
	12.....	Academic Awards Banquet
May	6.....	Last Day of Classes
	8-14.....	Examination Period
	18.....	Commencement Day

SUMMER SESSION May 20 - August 9

August 16..... August Degree Granted Date

AN INTRODUCTION TO THE UNIVERSITY OF LYNCHBURG

Mission

The University of Lynchburg, a private coeducational institution founded in 1903 in covenant with the Christian Church (Disciples of Christ), offers distinctive undergraduate and graduate programs that reflect its commitment to teaching and learning, scholarship, and service to the broader community.

The mission of the University of Lynchburg is to develop students with strong character and balanced perspectives and to prepare them for engagement in a global society and for effective leadership in the civic, professional, and spiritual dimensions of life.

The University of Lynchburg provides its students with a wide range of rigorous educational experiences delivered through multiple modes of instruction. Undergraduate programs are grounded in the liberal arts, enhanced by professional studies, and nurtured by a residential community. Further, the University's quality graduate programs respond to identified community needs, advance scholarship in the discipline, and promote student career goals. The University of Lynchburg extends its reach beyond the campus through experiential learning, cultural opportunities, and service by sharing the expertise and commitment of faculty, staff, and students with the broader community.

In support of its mission, the University of Lynchburg is an academic community that:

- fosters a student-centered environment;
- develops the breadth of knowledge associated with liberal education;
- develops depth of knowledge and promotes focused inquiry in academic disciplines;
- respects and supports diversity;
- values and celebrates diverse faith traditions; and
- sustains close working relationships among faculty, staff, students, alumni, and community partners.

(Revised by the Board of Trustees, May 2018)

Accreditation/Memberships

The University of Lynchburg is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award baccalaureate, master, and doctorate level degrees. Contact the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404.679.4500 for questions about the accreditation of the University of Lynchburg. All other inquiries about the University should be directed to the University of Lynchburg, (1501 Lakeside Drive, Lynchburg, Virginia 24501-3133 or 434.544.8100) not the Commission.

The University of Lynchburg is authorized to operate in the Commonwealth of Virginia through the State Council of Higher Education for Virginia, 101 N. 14th Street, 10th FL, James Monroe Bldg. Richmond, VA 23219 or telephone 804. 225.2600.

The College of Business at the University of Lynchburg is accredited by the Accreditation Council for Business Schools and Programs, (11520 West 119th Street, Overland Park, KS 66213 or 913.339.9356) based on standards

that require the school to demonstrate teaching excellence.

The Virginia Board of Education (P.O. Box 2120, Richmond, VA 23218 or 804.225.2023) accredits the university's educator preparation programs. The Nursing Department is approved by the Virginia State Board of Nursing (9960 Maryland Drive, Suite 300, Henrico, VA 23233-1463 or 804.367.4515) and accredited by the Commission on Collegiate Nursing Education (655 L Street, NW, Suite 750, Washington, DC 20001 or 202.887.6791).

The Exercise Physiology program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP at 25400 U.S. Highway 19 North, Suite 158, Clearwater, FL 33763 or 727.210.2350) as an Exercise Science program. The Athletic Training program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE at 6850 Austin Center Boulevard, Suite 100, Austin, TX 78731-3184 or 512.733.9700). The last undergraduate athletic training class will graduate in May of 2019; the University now offers a Master of Science in athletic training.

The University of Lynchburg is an accredited institutional member of the National Association of Schools of Music (NASM, 11250 Roger Bacon Drive, Suite 21, Reston, VA 20190 or 703.437.0700).

The Graduate Counseling Programs are accredited through the Council for Accreditation of Counseling & Related Educational Programs (CACREP, 1001 North Fairfax Street, Suite 510, Alexandria, VA 22314 or 703.535.5990).

The Doctor of Physical Therapy program at the University of Lynchburg is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, Virginia 22314; telephone: 703.684.2782; email: accreditation@apta.org. CAPTE information is found at www.capteonline.org/home.aspx.

The ARC-PA (Accreditation Review Commission on Education for the Physician Assistant, Inc, 12000 Findley Road, Suite 275, Johns Creek, GA 30097 or 770.476.1224) has granted Accreditation-Provisional status to the University of Lynchburg Physician Assistant Program sponsored by the University of Lynchburg. Accreditation-Provisional is an accreditation status granted when the plans and resource allocation, if fully implemented as planned, of a proposed program that has not enrolled students, appear to demonstrate the program's ability to meet the ARC-PA Standards or when a program holding Accreditation-Provisional status appears to demonstrate continued progress in complying with the Standards as it prepares for the graduation of the first class (cohort) of students. Accreditation-Provisional does not ensure any subsequent accreditation status. It is limited to no more than five years from matriculation of the first class.

In support of distance learning programs, the State Council of Higher Education for Virginia has approved University of Lynchburg for participation in the State Authorization Reciprocity Agreements (SARA).

The University of Lynchburg is approved for payment of educational benefits for veterans by the Virginia Department of Veterans Services - State Approving Agency. The University holds membership in the Association of American Colleges and Universities, the American Council on Education, the National Association of Independent Colleges and Universities, the Council of Independent Colleges, the Council of International Schools, the National

Association of College Admission Counseling, the American Association of Collegiate Registrars and Admissions Officers, the Council of Independent Colleges in Virginia, the Virginia Foundation for Independent Colleges, the Virginia Humanities Conference, and the Virginia Association of Colleges of Teacher Education.

History

The University of Lynchburg was founded as Virginia Christian College in 1903 by Josephus and Sarah Hopwood, pioneers in Christian coeducation. They established one of the oldest coeducational colleges in Virginia with the support of ministers and businessmen associated with the Christian Church (Disciples of Christ), a denomination that welcomes dialogue with people of all faiths.

While serving as president of Milligan College in Tennessee, Dr. Hopwood was approached about starting a college in Lynchburg, Virginia, on the site of a former resort, the Westover Hotel. Impressed by the resort's setting, Dr. Hopwood declared, "Boys, we'll take it." He purchased the site on April 18, 1903, his 60th birthday.

The stately, gray hotel was renamed Westover Hall, and it served as a multi-purpose facility with dormitories, offices, classrooms, dining hall, and a chapel. The College began its first year with 11 faculty members and 55 students, and the first graduating class consisted of five men and three women. Today, University of Lynchburg has 190 full-time faculty members and more than 2,800 undergraduate and graduate students from throughout the United States and around the world.

In 1909, the College completed construction on the first academic building, Main Hall (later named Hopwood Hall), and Carnegie Hall, a men's residence hall partially funded by a gift from industrialist and philanthropist Andrew Carnegie. A decade later, Virginia Christian College changed its name to Lynchburg College, a reflection of its student recruitment and fundraising expanding beyond Virginia.

The campus master plan envisioned buildings in an elliptical pattern around the Dell. Hopwood Hall (1909) and Snidow Chapel (1966) were built at the east and west ends of the ellipse, symbolizing Dr. Hopwood's guiding principles of faith and reason. Schewel Hall (2005, originally Centennial Hall) completed the ellipse.

The period from 1964 to 1983 saw the largest building expansion in the institution's history, increasing the number of major buildings on campus from nine to 19. The academic program grew in that same period, and the first graduate programs were added in 1964. The growth in the academic program was a major step in the College's evolution to a university.

In 1998, Claytor Nature Center was created on a farm in Bedford County, donated by the late A. Boyd Claytor III. Used for research, education, and recreation, the 491-acre center is home to the Belk Observatory, an education building, an herbarium, an eco-lodge, a campsite, and hiking trails.

In 2003, Lynchburg College partnered with the nation of St. Lucia, and has offered educational opportunities to St. Lucian students on the Virginia campus, on the Caribbean island, and online.

The University entered a new phase of growth beginning in 2003. In addition

to major projects such as the construction of Schewel Hall and the \$12 million renovation of the Drysdale Student Center (2014), the University extended campus housing to include many homes in the surrounding neighborhood, as well as new, on-campus townhouses. Additionally, several sustainability programs have helped the university protect the environment even as it has grown.

In 2011, Lynchburg College entered into a partnership with Historic Sandusky, a nearby historic home known for its role in the Civil War Battle of Lynchburg. The University now owns and operates the historic site.

In 2007, the Board of Trustees adopted a plan to pursue more graduate health sciences programs. The faculty soon approved the Doctor of Physical Therapy program, the institution's first doctoral program. Today the University also offers a Doctor of Education in Leadership Studies and a Doctor of Medical Science, one of the first doctoral degrees for physician assistants in the U.S. The University also offers 14 master's degree programs and several graduate certificates.

While expanding its graduate programs and pre-professional offerings, the institution has maintained its commitment to the liberal arts, believing that the two areas of study support one another. In 2017, the faculty passed a major revision to general education, streamlining requirements and calling for the creation of new, interdisciplinary seminar courses.

The varsity athletic program includes 21 teams for men and women, which have won more than 120 Old Dominion Athletic Conference championships. In 2014, the women's soccer team won the NCAA Division III championship, the first team national championship in the history of the University. Students also enjoy intramural and club sports for men and women.

The institution is nationally recognized for offering quality educational opportunities while building the character and the leadership ability of its students. The University of Lynchburg is one of only 40 colleges nationwide to be included in Loren Pope's Colleges That Change Lives and one of about 60 institutions nationwide selected to participate in the Bonner Leader Program.

In October 2016, the Board of Trustees adopted Vision 2020, a strategic plan focused on making the institution a national leader in student engagement in academics, athletics, and leadership. It calls for new investment in facilities and infrastructure, as well as academic and athletic programs.

A few months later, the Board voted to change the institution's name to University of Lynchburg, acknowledging more than a century of growth and evolution. The University of Lynchburg continues to lead the way in educational opportunities, standing as a tribute to the Hopwoods' pioneering spirit.

University of Lynchburg Presidents

Dr. Josephus Hopwood (1903-1911)

Dr. S.T. Willis (1911-1912)

Mr. G.O. Davis (1912-1914)

Mr. George P. Coler (Acting, 1914-1915)

Dr. John T. Hundley (1915-1936)

Dr. Riley B. Montgomery (1936-1949)

Dr. Orville W. Wake '32 (1949-1964)

Dr. M. Carey Brewer '49 (1964-1983)

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Dr. George N. Rainsford (1983-1993)

Dr. Charles O. Warren (1993-2001)

Dr. Kenneth R. Garren (2001-present)

The Campus

Located in the heart of Lynchburg on 264 acres, University of Lynchburg's beautifully landscaped campus is a showplace. More than 40 buildings, many of Georgian style architecture, grace the campus with the Blue Ridge Mountains forming the western skyline. Nearby are newly renovated athletic fields and tennis courts.

The Health Sciences building on Monticello Avenue is a 5 minute walk from the main campus and houses the Doctor of Physical Therapy and Masters of Physician Assistant Medicine programs.

A small lake is bordered by wooded hills and part of an original forest of oak, hickory, poplar, pine, and dogwood.

The 491-acre Claytor Study Center in Bedford County sits at the foot of the Blue Ridge with a spectacular view of the Peaks of Otter.

Buildings and Facilities

Hopwood Hall 1909 (formerly Main Hall)

Carnegie Hall 1909

Hall Campus Center (formerly Memorial Gymnasium) 1923, renovated 1980

Hundley Hall 1954

Knight-Capron Library 1954; Capron addition, 1969

Hobbs Hall 1959; laboratory wing 1993; renovated 1995

Shackelford Hall 1963

Freer Hall 1963

Crews and Reynolds Courts 1964

McWane Hall 1966

Snidow Chapel-Hebb Music Center 1966

Tate Hall 1967

Burton Student Center 1968

Turner Gymnasium 1969, renovated 2000

Wake Field House 1969

Montgomery Hall 1970

Dillard Fine Arts Center 1974

Alumni House 1985

McMillan Nursing building 1987

Thompson Education building 1987; renovated 2009

Daura Art Gallery 1990; addition 1995

Beaver Point Clubhouse 1990

Bell Tower 1993

A. Boyd Claytor III Education and Research Facility 2003

Brewer, Rainsford, and Warren townhouses 2003

Bullard and Huston townhouses 2004

Elliot & Rosel Schewel Hall 2005

Peaks View Hall 2005

Belk Astronomical Observatory 2007

Shellenberger Field renovated 2007
 Moon Field renovated 2006, 2007
 Graduate Health Sciences building 2010
 Chandler Eco-Lodge 2014
 Drysdale Student Center expansion and renovation 2014
 Historic Sandusky 2016

Academic Sessions

Fall and Spring Semesters

The University operates under the semester system, with a yearly schedule indicated by the University calendar.

January Term - “J Term”

A voluntary term during the winter break provides on-campus and online opportunities for pursuit of a selection of courses.

Summer Session

The Summer Session offers opportunity for acceleration of degree programs, pursuit of courses with particular appeal, and opportunity to remedy deficiencies.

Detailed information about summer sessions is available at the University of Lynchburg web site, www.lynchburg.edu/summer.

Non-Discrimination Statement

The University of Lynchburg does not discriminate on the basis of race, color, national origin, sex, pregnancy (including childbirth or related medical conditions including lactation), marital status, disability, age (40 and over), sexual orientation, sexual identity, or religion in its programs and activities, including admission to and employment at the University of Lynchburg.

The University of Lynchburg is in compliance with Title IX of the Education Amendments of 1972, which prohibits discrimination based on sex in educational programs and activities, including employment and admission. (Prohibited discrimination based on sex includes sexual harassment and sexual violence.) For questions regarding University of Lynchburg’s compliance with Title IX, please contact the Title IX Coordinator at Office of Equity and Inclusion, Flynn Multicultural Center (2nd floor, Drysdale Student Center), 1501 Lakeside Drive, Lynchburg, VA 24501; phone: 434.544.8482; email: titleix@lynchburg.edu.

Inquiries about the application of Title IX may also be referred to the Office for Civil Rights (OCR) at Office for Civil Rights, U. S. Department of Education, 400 Maryland Avenue, SW, Washington, D.C. 20202-1475; Telephone: 800.421.3481 or 202.453.6020; fax: 202.453.6021; TDD: 800.877.8339; and email: ocr@ed.gov.

The University of Lynchburg is in compliance with Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination based on disability in admission, treatment, or access to, or employment in its programs or activities. For questions regarding the University of Lynchburg’s compliance with Section 504, please contact the Accessibility and Disability Resources Coordinator in

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the Center for Accessibility and Disability Resources (2nd floor, Hall Campus Center), 1501 Lakeside Drive, Lynchburg, VA 24501; phone: 434.544.8687; email: disability@lynchburg.edu.

The University of Lynchburg is in compliance with the Age Discrimination Act of 1975, which prohibits discrimination on the basis of age in its programs and activities. For questions regarding University of Lynchburg's compliance with the Age Discrimination Act, please contact the Director of Human Resources, (4th floor, Hall Campus Center), 1501 Lakeside Drive, Lynchburg, VA 24501; Telephone: 434.544.8215; humanresources@lynchburg.edu.

Safety and Security Statement

An annual University of Lynchburg security report, available upon request from the Office of Enrollment Services, describes campus safety practices; crime statistics, reporting, and prevention education; and policies and education programs on alcohol, illegal drugs, and sexual assault.

ACADEMIC PROGRAMS

The academic program of study at University of Lynchburg consists of four elements: general education designed to give students breadth of knowledge in the liberal arts; a writing enriched requirement to improve students' writing skills; a major field of study comprising one-third to one-half of the program and designed to provide in-depth knowledge in a single academic area; and electives which complete the remainder of the course of study. The academic majors offered lead to a bachelor of arts or a bachelor of science degree.

To graduate with a BA or BS degree students must complete a minimum of 124 semester hours of credit including General Education, Writing Enriched and Major requirements. Following is information detailing the General Education and Writing Enriched requirements. Courses may satisfy both requirement areas if they are listed for both.

General Education at University of Lynchburg

One of the principal goals of liberal education is to prepare students for intellectually fulfilling and productive lives. To achieve this goal, the University requires that every student, regardless of major, satisfy General Education requirements which, taken as a whole, help students understand and appreciate certain broad subject areas that have long been associated with learning in liberal arts settings. In addition, General Education courses develop certain traits and abilities in students that enable them to succeed in whatever fields of endeavor they select after graduation. Finally, General Education courses instill in students an understanding of their own responsibility for continual intellectual development and a lifelong desire to continue building on the concepts learned in courses. Each of these factors is integral in assisting our students to become more productive citizens in an increasingly interrelated global society. The courses and other educational experiences in the General Education program reflect our beliefs that:

*General education liberates us. It frees us from the constraints of ignorance, unwarranted assumptions, and short-sightedness by developing our reasoning skills, our breadth of knowledge, and our ability to consider issues from multiple perspectives. General education equips us to understand our world and to pursue meaningful lives.**

* This statement includes portions of the Association of American Colleges and Universities' "Statement on Liberal Learning," published in 1999.

The General Education program curriculum embodies these beliefs and reflects the commitment of the faculty to ensure that students who graduate from University of Lynchburg will be able to demonstrate the following:

Goal 1: Knowledge of cultural, linguistic, and intellectual contexts and traditions.

Objectives:

1. Students will demonstrate knowledge of culture and traditions.
2. Students will demonstrate basic proficiency in a foreign language.
3. Students will demonstrate knowledge of intellectual achievements and traditions.

Goal 2: Recognition of the value of achievements of imagination and creativity.

Objectives:

1. Students will articulate the connections between arts and society.
2. Students will explain the historical, social, and cultural significance of selected works of art.
3. Students will engage in the artistic process.

Goal 3: Scientific and quantitative reasoning.

Objectives:

1. Students will solve problems using methods of scientific inquiry.
2. Students will solve problems using mathematical techniques.

Goal 4: Addressing problems that require the integration of ideas from multiple sources.

Objectives:

1. Students will discern meaning from reading.
2. Students will demonstrate the ability to retrieve and use information.
3. Students will analyze fact and opinion evidence.
4. Students will analyze, evaluate and synthesize evidence and ideas from multiple sources.

Goal 5: College level skills in writing, speaking, critical thinking, reading, and information literacy.

Objectives:

1. Students will demonstrate college-level writing ability.
2. Students will demonstrate college-level speaking ability.
3. Students will demonstrate college-level critical thinking.
4. Students will demonstrate college-level reading ability.
5. Students will demonstrate college-level information literacy.

GENERAL EDUCATION REQUIREMENTS

			Hours
WRITTEN COMPOSITION (two courses required)			6
ENGL	111W (or 111)	Composition I	
ENGL	112W (or 112)	Composition II	
FINE ARTS (one course required)			3
ART	110	Introduction to Visual Art	
ART	118	Ceramics I	
ART	122	3-D Forms and Space I	
ART	156	Drawing: Techniques and Traditions	
ART	162	Painting: Techniques and Traditions	
ART	166	Photography I	
COMM	229	Introduction to Film	
MUSC	100	Music Appreciation	
MUSC	102	World Music and Culture	
MUSC	215	Jazz and the Origins of Rock Music	
THEA	101	Introduction to Theatre Arts	
THEA	102	Introduction to Technical Theatre and Design	
THEA	120	Introduction to Dance	
FOREIGN LANGUAGE (one course required)*			3
FREN	201	Intermediate French	
GRMN	201	Intermediate German	
LATN	201W (or 201)	Intermediate Latin	
LATN	205	Intermediate Latin - Medical	
SPAN	201	Intermediate Spanish	
SPAN	205	Intermediate Spanish - Medical	
HISTORY (two courses required)			6
HIST	101	History of Civilization I	
HIST	102	History of Civilization II	
LABORATORY SCIENCE (two courses required)			8
BIOL	101	Biological Inquiry	
BIOL	113	Evolution, Ecology, and Organisms	
BIOL	114	Cells: Genetic and Molecular Perspectives	
CHEM	111	Fundamentals of Chemistry I	
CHEM	112	Fundamentals of Chemistry II	
CHEM	127	Chemistry of Life	
ENVS	101-101L	Earth and Environmental Science I and Lab	
ENVS	102-102L	Earth and Environmental Science II and Lab	
PHYS	131	Physics of Sports	
PHYS	141	College Physics I	
PHYS	142	College Physics II	
PHYS	161	General Physics I	
PHYS	162	General Physics II	
PHYS	181	Astronomy: The Solar System	
PHYS	182	Astronomy: The Universe	
PSYC	103-105L	General Psychology and Lab	
PSYC	104-106L	General Psychology and Lab	
SCIE	101	Principles of Science I	
SCIE	102	Principles of Science II	

			Hours
LITERATURE (one course required)			3
ENGL	201	Literature Culture I	
ENGL	202	Literature Culture II	
FREN	207	French Literature in Translation I	
FREN	208	French Literature in Translation II	
GRMN	208	German Literature in Translation	
LATN	208	Classical Latin Literature in English Translation	
SPAN	208	Contemporary and Hispanic Literature in English Translation	
THEA	211	Dramatic Literature I: Classical Greece to Renaissance	
THEA	212	Dramatic Literature II: Seventeenth Century to Present	
MATHEMATICS (one course required)			3
C S	105	Introduction to Computation	
MATH	103	Calculus I	
MATH	105	Problem Solving in Mathematics	
MATH	106	Liberal Arts Math	
STAT	222	Concepts of Statistics	
ORAL COMMUNICATION (one course required)			3
COMM	101	Argumentation and Practical Reasoning	
COMM	112	Interpersonal Communication	
COMM	114	Small Group Communication	
THEA	123	Voice and Diction	
PHILOSOPHY (one course required)			3
PHIL	200W (or 200)	Introduction to Philosophy	
PHIL	204	Introduction to Ethics	
RELIGIOUS STUDIES (one course required)			3
RELG	201W (or 201)	Old Testament	
RELG	202W (or 202)	New Testament	
RELG	205W (or 205)	Religions of Asia	
RELG	206W (or 206)	Judaism, Christianity, and Islam	
RELG	207W (or 207)	Religion, Body, and Health	
SOCIAL SCIENCE (two courses required)			6
ECON	100	Economic Perspectives	
ECON	201	Principles of Economics-Micro	
ECON	202	Principles of Economics-Macro	
INTL	101	Global Politics	
POLI	111	Quest for Justice I	
POLI	112	Quest for Justice II	
SOCI	121	Cultural Anthropology	
SOCI	201	Introduction to Sociology	
WELLNESS (one course required)			2
H P	102	Life Choices for Health and Wellness	
HPE	102	Concepts for Exercise and Lifetime Wellness	
SENIOR SYMPOSIUM (one course required)			2
G S	435W	Senior Symposium	
<i>Total Hours Required</i>			<u>51</u>

*For students whose native language is not English, the foreign language general education requirement may be waived using the substitution waiver form based on documentation of proficiency in the native language provided to the Department of Modern and Classical Languages. In cases in which students are foreign nationals, documentation of their International Student status from a country where English is not the native language is sufficient to waive the foreign language requirement.

University of Lynchburg Writing Enriched Program (WE)

The purpose of the University of Lynchburg WE Write for Success Initiative is to improve student skill in evidence-based writing. Students are required to complete at least six writing enriched (WE) courses in order to graduate. English Composition (ENGL 111W-112W) or Advanced English Composition (HONR 103W) will serve as the foundation for initial instruction and Senior Symposium (GS 435W) will serve as the senior capstone course. At least one of the six WE courses must be in the student's major.

All WE courses share a general concern for the written word and the process of writing. In WE courses, students develop their writing skills by using writing as a mode of learning and to address academic and professional audiences and purposes. Faculty members incorporate writing into the course, provide timely feedback that encourages revision, and allow students the opportunity to revise papers based on that feedback. Students engage in the writing process and are encouraged to rethink, revise, and improve their writing. In WE courses, students build on the academic literacy skills taught in HONR 103W and ENGL 111W-112W (or the equivalent) and expand those skills as they use writing to enter scholarly conversations and practice the conventions of writing in a particular discipline and its related professions. HONR 103W or ENGL 111W-112W (or the equivalent) are prerequisites to other WE courses unless indicated otherwise in the course description.

Only courses offered by University of Lynchburg may be counted as WE courses. The WE requirement will be modified for students who transfer in college credits. Students pursuing a second undergraduate degree are exempt from the WE requirements.

Writing Enriched Requirements

To complete the Writing Enriched requirement (WE) students must complete at least six writing enriched courses (WE) in order to graduate.

All WE courses must be completed at the University of Lynchburg. For example, transfer credit for ENGL111-112 will not apply to the ENGL111W-112W Writing Enriched requirement.

The WE requirement for students who transfer credits to University of Lynchburg is as follows:

- five WE courses for students with 12-24 transfer credits
- four WE courses for students with 25-55 transfer credits
- three WE courses for students with 56-76 transfer credits

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The following is the list of Writing Enriched (WE) courses:

ART	204W	Survey of Art History II
A T	350W	Therapeutic Interventions I
BIOL	205W	Plant Biology
BIOL	220W	Cellular Diversity
BIOL	321W	General Ecology
BIOM	301W	Biomedical Science Seminar
BUAD	441W	Integrated Application of Business Principles
CHEM	242W	Research Methodology in Chemistry
COMM	201W	Media Writing, I
COMM	230W	Persuasion
COMM	303W	Research Methods in Communication
COMM	338W	Environmental Communication
CRIM	372W	Quantitative Methodology
CRIM	430W	Senior Research Capstone
ECON	450W	Senior Seminar in Economics
EDUC	313W	Reading and Language Acquisition I
ENGL	111W	Freshman Composition I
ENGL	112W	Freshman Composition II
ENGL	203W	Expository Writing
ENGL	207W	Technical Writing in the Healthcare Industry
ENGL	208W	Science Writing for a General Audience
ENGL	209W	Nature Writing
ENGL	220W	Introduction to Literary Studies
ENGL	223W	Academic Writing
ENGL	308W	English for Life
ENGL	314W	History of the English Language
ENGL	315W	English Grammar
ENGL	362W	The Short Story
ENST	210W	People and the Environment
ENVS	201W	History of Earth and Life
EXPH	200W	Exploration in Exercise Physiology
EXPH	450W	Research Methods in Exercise Physiology
FIN	405W	Investment Fundamentals
FREN	475W	Seminar in French
FREN	476W	Seminar in French
G S	435W	Senior Symposium
H P	221W	Global Health
H P	371W	Research in Health Promotion
H P	420W	Health Program Planning
HIST	200W	The Historians Craft
HIST	347W	Slavery and Race in the Early Americas
HIST	402W	History Senior Thesis Seminar
HONR	103W	Advanced English Composition
HONR	112W	Humanities Seminar II
HONR	211W	Humanities Seminar
HONR	212W	Humanities Seminar
HONR	451W	Senior Honors Project
HPE	303W	Motor Development
HPE	304W	Sports, Exercise, and Performance Psychology
INTL	321W	Research Methods in International Relations
INTL	400W	Senior Thesis in International Relations

LATN	201W	Intermediate Latin
MATH	260W	Mathematical Reasoning and Proof
MATH	310W	History of Mathematics
MATH	350W	Experimental Mathematics
MATH	451W	Senior Project
MKTG	375W	Consumer and Buyer Behavior
MUSC	302W	Music History and Literature I
MUSC	306W	Form and Post Tonal Analysis
MUSC	402W	Senior Seminar in Music Performance
NRSNG	402W	Professional Nursing Seminar
NRSNG	410W	Clinical Management and Research Project
NRSNG	412W	Nursing Research and Evidence Based Practice
PHIL	200W	Introduction to Philosophy
PHIL	214W	Greek Philosophy
PHIL	222W	God, Faith, and Evil
PHIL	314W	The Mind and Brain
PHIL	315W	The Philosophy of Law
PHIL	330W	Law Enforcement and Morality
PHIL	400W	Thesis Guidance
PHYS	333W	Computational Physics
POLI	321W	Political Science Research Methods
POLI	372W	United States Foreign Policy
POLI	410W	Senior Thesis Seminar
PSYC	245W	Human Development
PSYC	275W	Research Methodology
PSYC	341W	Psychology of Development
PSYC	367W	Child Psychopathology
PSYC	475W	Research Capstone I
PSYC	476W	Research Capstone II
RELG	201W	Old Testament
RELG	202W	New Testament
RELG	205W	Religions of Asia
RELG	206W	Judaism, Christianity, and Islam
RELG	207W	Religion, Body, and Health
RELG	303W	Seminar in Religions of Asia
RELG	304W	Seminar in Islam
RELG	410W	Senior Seminar
SOCI	358W	Sociological Theory
SOCI	430W	Senior Research Capstone
SPAN	222W	Advanced Language Practice: Composition
SPAN	460W	Literature in Spanish: Latin America
SPAN	461W	Literature in Spanish: Spain
SPED	432W	Methods for Reading and Academic Content
SPED	464W	Introduction to Assessment in Special Education
SPMG	270W	Governance of Sport Organizations
THEA	212W	Theatre History and Literature I
THEA	260W	Musical Theatre History and Literature

Major Programs

A major is a program of study pursued through a purposefully structured curriculum drawn from courses in a discipline, field of study, or area of application. At least one-third of a major's requirements are satisfied by completion of courses beyond the elementary level. The curriculum for a major is designed to pursue a set of clearly described goals devised by the program faculty offering the major. Emphases within the major have distinct goals met through a set of courses specific to each emphasis. These courses comprise a substantial part, at least one-fourth, of the total credits required for completion of a major with an emphasis.

Work in a major provides the dimension of depth for the liberally educated person and encourages the student to gain the special insights that a particular discipline has to offer. It also affords a beginning specialization for advanced study and/or professional preparation. Each student chooses a major field consistent with personal interests and educational goals and must meet the specific course requirements listed for that major.

To declare or change a major, a student must process an Academic Program Change form available online.

Major programs, with the exception of certain professional programs, may not exceed a total of sixty-two semester hours including prerequisite courses, with no more than forty-eight semester hours required in any one discipline, including prerequisite courses and courses taken to meet General Education requirements. No more than fifteen hours of General Education courses may be counted in a single major; a maximum of eighteen hours (nine from each discipline) may be counted in a joint major.

A minimum of 50 percent of the hours applicable to the major must be earned at University of Lynchburg; for joint majors, half the hours in each major discipline must be taken at University of Lynchburg. A student must have a minimum quality point average of 2.00 on courses taken in the major.

Double majors may be earned by completing all course requirements listed for both majors. A minimum of twenty-four hours in the second major must be unique to that major and not applied to the first major.

MAJOR FIELDS OF CONCENTRATION

Majors	Degrees	College
Accounting	BA	Business
Art	BA	Lynchburg College of Arts and Sciences
Emphases: Graphic Design or Studio Art		
Biology	BS	Lynchburg College of Arts and Sciences
Biomedical Science	BS	Lynchburg College of Arts and Sciences
Business Administration	BA	Business
Chemistry	BA/BS	Lynchburg College of Arts and Sciences
Communication Studies	BA	Lynchburg College of Arts and Sciences
Emphases: Communication and Social Influence, Convergent Journalism, Electronics Media, or Public Relations		

Majors	Degrees	College
Computer Science	BS	Lynchburg College of Arts and Sciences
Criminology	BA	Lynchburg College of Arts and Sciences
Criminology-Philosophy	BA	Lynchburg College of Arts and Sciences
Data Science and Statistics	BS	Lynchburg College of Arts and Sciences
Economics	BA	Business
Emphases: Financial or General		
English	BA	Lynchburg College of Arts and Sciences
Environmental Science	BS	Lynchburg College of Arts and Sciences
Environmental Studies	BA	Lynchburg College of Arts and Sciences
Exercise Physiology	BS	Health Sciences
French	BA	Lynchburg College of Arts and Sciences
Health and Physical Education	BS	Education, Leadership Studies, & Counseling
Health Promotion	BS	Health Sciences
History	BA	Lynchburg College of Arts and Sciences
Information Technology	BS	Lynchburg College of Arts and Sciences
Interdisciplinary Studies		
- Teacher Education	BS	Education, Leadership Studies, & Counseling
Emphases: Elementary Education or Special Education		
International Relations		
and Security Studies	BA	Lynchburg College of Arts and Sciences
Liberal Arts Studies	BA	General Studies
Management	BA	Business
Emphases: General or Human Resource		
Marketing	BA	Business
Mathematics	BS	Lynchburg College of Arts and Sciences
Music	BA	Lynchburg College of Arts and Sciences
Emphases: Instrumental Performance or Vocal Performance		
Music Education	BA	Lynchburg College of Arts and Sciences
Emphases: Instrumental Education or Vocal Education		
Nursing	BS	Health Sciences
Philosophy	BA	Lynchburg College of Arts and Sciences
Philosophy-Political Science	BA	Lynchburg College of Arts and Sciences
Physics	BS	Lynchburg College of Arts and Sciences
Political Science	BA	Lynchburg College of Arts and Sciences
Psychological Science	BS	Lynchburg College of Arts and Sciences
Religious Studies	BA	Lynchburg College of Arts and Sciences
Sociology	BA	Lynchburg College of Arts and Sciences
Spanish	BA	Lynchburg College of Arts and Sciences
Sport Management	BA	Health Sciences
Theatre	BA	Lynchburg College of Arts and Sciences
Emphases: Design/Technical, General, or Performance		

Minor Programs

Minor fields of concentration are optional for programs and students. If chosen, the minor will be designated on the student's academic record. Students declare or change a minor through an Academic Program Change form available online.

A minor consists of fifteen or more semester hours in conceptually related courses. Courses that are prerequisite or corequisite for required minor courses are clearly disclosed as requirements of the minor. Credit hours used to satisfy major requirements may also be used to satisfy up to 50 percent of minor requirements. No courses will apply toward two different minor programs. Courses counted in the minor may not be taken on a pass/fail basis. A student must have a minimum quality point average of 2.00 for minor courses taken at University of Lynchburg in the minor area and for all courses that apply to the minor. A minimum of 50 percent of the hours applicable to the minor must be earned at University of Lynchburg. General Education courses may be used in the minor.

MINOR FIELDS OF CONCENTRATION

Minors

Accounting
 Archaeology
 Art History
 Biology
 Business
 Chemistry
 Classical Studies
 Coaching
 Computer Science
 Communication and Social Influence
 Convergent Journalism
 Creative Writing
 Criminal Forensics
 Criminology
 Digital Media Arts
 Economics
 Electronic Media
 Elementary Education
 English
 Environmental Science
 Environmental Studies
 French
 Gender Studies
 German
 Graphic Design
 Health Promotion
 History

College

Business
 Lynchburg College of Arts and Sciences
 Lynchburg College of Arts and Sciences
 Lynchburg College of Arts and Sciences
 Business
 Lynchburg College of Arts and Sciences
 Lynchburg College of Arts and Sciences
 Health Sciences
 Lynchburg College of Arts and Sciences
 Lynchburg College of Arts and Sciences
 Lynchburg College of Arts and Sciences
 Lynchburg College of Arts and Sciences
 Lynchburg College of Arts and Sciences
 Lynchburg College of Arts and Sciences
 Business
 Lynchburg College of Arts and Sciences
 Education, Leadership Studies, & Counseling
 Lynchburg College of Arts and Sciences
 Lynchburg College of Arts and Sciences
 Lynchburg College of Arts and Sciences
 Lynchburg College of Arts and Sciences
 General Studies
 Lynchburg College of Arts and Sciences
 Lynchburg College of Arts and Sciences
 Health Sciences
 Lynchburg College of Arts and Sciences

Core Goals

The fundamental purpose of a University of Lynchburg education is to prepare students for lives that are intellectually and culturally rich, socially engaged and productive, and personally fulfilling.

To accomplish this, the University addresses the following core goals, and students learn to:

- **Inquire** by framing questions that address issues and uncertainties across a range of disciplines through recognition of the need to seek further information when necessary; asking essential questions; and identifying potential sources of pertinent information.
- **Explore** by investigating issues in depth and detail through use of methods and tools of multiple disciplines to gather information and ideas; evaluating the quality of information sources; comprehending written and other sources; thinking creatively about issues; examining issues from global perspectives; employing knowledge from a range of disciplines; and employing specialized knowledge in at least one discipline.
- **Conclude** by developing informed responses to issues through marshaling of evidence to support a conclusion; integrating relevant information from a wide range of sources; and articulating a conclusion.
- **Persuade** by convincing others of the validity and value of conclusions through construction of effective written arguments based in evidence, reason, and understanding and delivering effective oral arguments based in evidence, reason, and understanding.
- **Engage** by using knowledge and abilities for the good of self and society through description of applications of course learning beyond the classroom; valuing intellectual and aesthetic achievements for their intrinsic worth; preparing for a life as an effective steward of self, family, community, work, and the environment; and cooperating with others to achieve shared goals.

Effective use of the five Core Goals depends on the following:

- Wide-ranging knowledge and understanding of the natural and human worlds for which the liberal arts and sciences provide the foundation
- An open mind and a willingness to make decisions when an appropriate basis exists for doing so
- The capacity for sophisticated work and the ability to employ the Core Goals across a range of human experiences
- Intellectual honesty and ethical behavior in all these processes
- Global awareness and environmental awareness to achieve these goals fully

Symposium Readings Program (LCSR)

The Symposium Readings (LCSR) Program is an innovative approach to the integration of selections from the great books to supplement regular class material and to provide elements of integration, depth, and broad perspec-

tives within the context of regular courses. While acquainting the student with great works from a variety of world traditions, LCSR encourages critical thinking by engaging students in a variety of oral and written activities organized around the readings.

An “LCSR course” is a regular University of Lynchburg course in which at least 20 percent of the student’s grade is based on written and oral communication related to reading assignments from the ten-volume set, Lynchburg College Symposium Readings. LCSR courses may be General Education, major, or elective courses and may be taken as a freshman, sophomore, junior, and senior.

“Great books” are defined as works that have made an impact on more than one generation and have a general appeal for different levels of understanding and circumstances. They provide (1) a continuing source of ideas and perspectives that will encourage involvement with great issues facing humankind; and (2) a common core of understanding of and appreciation for the traditions and values of Western and non-Western peoples drawn from outstanding examples of the ideas of these other traditions.

PROFESSIONAL AND PRE-PROFESSIONAL CURRICULA

In addition to declaring a major and a minor, students who plan careers in the professional fields below should also declare their pre-professional intent at the time of admission or early in their academic careers. Students will be assigned an advisor who is familiar with the appropriate pre-professional program and who will advise about the major, course selection, and other requirements for admission to the appropriate professional program.

Guidelines for entrance to professional and pre-professional programs are given below. Once students have narrowed the choice of professional or technical schools, they should obtain specific entrance requirements for those schools.

Health Profession Fields

Students planning to enter professional schools in the healing arts should declare this interest as early as possible to obtain adequate advising.

A faculty advisory committee is in place to assist pre-health students in preparing schedules that meet the admission prerequisites, major requirements, and general education requirements. The School of Sciences biomedical science major website provides a comprehensive pre-health sciences advisory manual. The committee will also prepare composite evaluation letters for those professional schools that require this format.

Students should select a major carefully, since a high QPA must be maintained for the student to be a competitive applicant. Non-science majors are acceptable as long as the student has met the science requirements of the chosen field. A suggested first-year schedule for pre-health students follows:

Fall	Spring
BIOL 113	BIOL 114
or	or
CHEM 111	CHEM 112
ENGL 111W	ENGL 112W
HIST 101	HIST 102
MATH 102 or 103	MATH 103 (if not taken in the fall)
General Education Elective	General Education Elective

Pre-medical, pre-dental, pre-optometry, and pre-pharmacy students must have completed the biology, chemistry, and physics requirements listed in the pre-medical section by the end of the third year to be prepared for the MCAT, DAT, OAT, and PCAT tests.

Pre-Dental

Contact faculty: Dr. Jablonski, Dr. Freier, Dr. Blair, Dr. Terry

Pre-dental students normally complete an undergraduate degree and a program similar to pre-medical students before entering dental school. Students should be familiar with the individual requirements of the dental schools, but generally the requirements are similar to medical schools. Students must have some experience in the field of dentistry through volunteer work or an internship. Students apply to dental school between junior and senior years through a centralized service. The Dental Admission Test is also required.

In addition to the general requirements, students desiring the bachelor of science (B.S.) degree should complete courses in human anatomy, microbiology, biochemistry, and cell and molecular biology.

Pre-Medical (M.D., D.O.)

Contact faculty: Dr. Jablonski, Dr. Freier, Dr. Blair, Dr. Terry

Pre-medical students must complete an undergraduate degree before entering medical school. Admission is extremely competitive, so students should use all learning resources necessary to ensure that their QPA remains very high. Students also must have significant volunteer, internship, or paid experience in the health field before applying. Students apply to allopathic and osteopathic medical school between junior and senior years through a centralized service. The Medical College Admission Test is also required.

The GRE is required for physician's assistant programs.

In addition to the general admission prerequisites listed below, biochemistry and genetics are strongly recommended. Other suggested upper-level science electives include cell biology and human anatomy and physiology. One year of biology, two years of chemistry, and one year of physics must be completed by the end of the third year.

Required courses	Hours
BIOL 113, 114	8
CHEM 111, 112	8
CHEM 221, 222	8
CHEM 320	4
ENGL 111W, 112W	6
PHYS 141-142 or 161-162	8
PSYC 103-104	6
SOCI 201	3

Pre-Optometry

Contact faculty: Dr. Jablonski, Dr. Freier, Dr. Blair, Dr. Terry

The requirements for admission to the schools and colleges of optometry vary. All optometry schools require at least three years of undergraduate coursework that must include the courses listed above for medical school. The majority of students accepted to optometry schools have earned a bachelor's degree. Students should investigate the program requirements of the schools to which they wish to apply for additional admissions prerequisites. Additional courses required by some schools include psychology, social science, microbiology, anatomy, and statistics. The Optometry Admission Test is required.

Pre-Pharmacy

Contact faculty: Dr. Jablonski, Dr. Freier, Dr. Blair, Dr. Terry

The amount of undergraduate pre-professional study accepted as transfer credit by a school of pharmacy varies. Many programs are phasing out the bachelor's degree in pharmacy in favor of a graduate-level program for which an undergraduate degree is required. Students should consult the pharmacy schools of choice to plan the undergraduate program. The minimum requirements are similar to medical school. Other requirements often include microbiology, statistics, and economics.

Pre-Physical Therapy

Contact faculty: Dr. Blair, Dr. Freier, Dr. Terry

Physical therapy is a doctoral level curriculum. Students may choose any undergraduate major but must satisfy all prerequisite requirements in order to be admitted. Typical prerequisites include biology, anatomy, physiology, physics, chemistry, advanced biology, psychology, statistics, pre-calculus and English. Students are encouraged to check the specific requirements of each school of interest. Please see the University of Lynchburg graduate catalog for information on the Doctor of Physical Therapy Program. University of Lynchburg offers spots to students meeting certain criteria, please contact academic advising for these requirements. Admission is competitive so careful and early planning is necessary.

Pre-Physician Assistant

Contact Faculty: Dr. Jablonski, Dr. Freier, Dr. Terry

Physician Assistant is a masters' level curriculum. Students may choose any undergraduate major but must satisfy all prerequisite requirements in order to be admitted. The University of Lynchburg Physician Assistant Medicine Program entrance requirements include: baccalaureate degree, minimum 3.0 cumulative GPA for all courses, minimum 3.0 GPA for all science courses, minimum 3.0 GPA for all prerequisite coursework, 500 hours of direct patient care and 8 hours shadowing a licensed PA, 8 semester hours of biology with lab (A&P cannot be used to fulfill course requirements), 4 semester hours of general or introductory chemistry with lab, 4 semester hours of organic chemistry or biochemistry with lab, 4 semester hours of human anatomy with lab; 4 semester hours of human physiology with lab, 4 semester hours of microbiology with lab, 3 semester hours of genetics, 3-4 semester hours of psychology, 3 semester hours of statistics, 3 semester hours of social science. These entrance requirements are similar to the prerequisites of other schools; however, students are encouraged to check the specific requirements of each school of interest. Admission is competitive so careful and early planning is necessary. Students who complete the University of Lynchburg Master of Physician Assistant Medicine and who are fully licensed will have the option to continue to complete a doctoral degree. This is not an entry-level doctoral degree.

Pre-Occupational Therapy

Contact faculty: Dr. Blair

Occupational therapy education is at the master's and doctoral levels. Students may choose any undergraduate major but must satisfy all prerequisite requirements. Typical prerequisites include psychology, biology, math, physics, anatomy and physiology. Students are encouraged to check the specific requirements of each school of interest. Admission is competitive so careful and early planning is necessary.

Pre-Veterinary Medicine

Contact faculty: Dr. Jablonski, Dr. Freier, Dr. Blair, Dr. Terry

Due to keen competition for available positions, the variation in entrance requirements, and the limited choices of schools, careful and early planning must be a part of a student's preparation for and application to veterinary school. Veterinary schools require at least the number of courses required by medical schools but often include additional upper-level biology electives and biochemistry.

Other Pre-Professional Fields**Pre-Art Therapy**

Advisor: Mr. Pumphrey

The requirements for admission to graduate programs in art therapy vary. Students enrolled in a preparatory B.A. degree program should pursue the studio art major and a psychology minor. As part of the art major, at least six hours must be taken in two-dimensional studio courses and six hours in three-dimensional studio courses. The psychological science minor should include PSYC 241 Developmental Psychology and PSYC 308 Abnormal Psychology. An internship is strongly recommended.

Students contemplating graduate training in art therapy are advised to review the website of the National Art Therapy Association for information about this field and contact prospective graduate schools for information relative to their entry requirements. Portfolios of artwork demonstrating competency may be required.

Pre-Engineering Program

Advisor: Dr. Roach

Pre-Engineering Program with Old Dominion University

Under special agreement with Old Dominion University (ODU), a student may earn a B.S. from University of Lynchburg (usually in physics) and a degree in engineering from ODU in a total of five years. Dual-degree candidates enroll at University of Lynchburg for the first three years and transfer to the School of Engineering at ODU for approximately two years.

Students must complete prescribed courses, including General Education requirements, with an average grade of B or higher during the first three years at University of Lynchburg, before they can transfer to ODU.

Upon completing specified courses and meeting total hour requirements, the student is awarded the bachelor of science from University of Lynchburg, usually at the end of the fourth year. At the conclusion of the fifth year, or when all requirements for a degree in engineering have been fulfilled, the appropriate degree is awarded from ODU: bachelor of science in civil, electrical, or mechanical engineering.

Pre-Engineering Program with The University Of Virginia

Under special arrangement with the University of Virginia (U.Va.), a student may also earn a B.S. in a science or mathematics from University of Lynchburg and a Master of Engineering degree from U.Va. in five years. A student will choose an undergraduate major that is best suited for the field of engineering in which she or he wishes to pursue a graduate degree. Recommended major choices are listed below.

<u>University of Lynchburg Major</u>	<u>U.Va. Major</u>
Biology/Biomedical Science	Biomedical Engineering
Chemistry	Chemical Engineering
Computer Science	Computer Engineering Computer Science Systems Engineering

Math

Systems Engineering

Physics

Aerospace Engineering
 Civil Engineering
 Electrical Engineering
 Materials Science & Engineering
 Mechanical Engineering
 Systems Engineering

A student pursues the dual-degree at University of Lynchburg for the first three years. After completing 60 semester credit hours, including the General Education requirements and the required classes listed below, the student becomes eligible to apply to U.Va. as a non-degree seeking student. A minimum quality point average of 3.4, both in the major and overall, is required for acceptance as a non-degree seeking student. If accepted into the program, the student will then enroll in courses at U.Va. that complete the requirements for the undergraduate University of Lynchburg major and position her- or himself for graduate studies. Once all of the requirements for the University of Lynchburg major are completed, the student earns a B.S. from University of Lynchburg, usually at the end of the fourth year.

During the year that the student earns a BS, she or he is eligible to apply for admission to the U.Va. graduate engineering program through the normal application process. A student may choose three degree options as part of this application: Master of Engineering, Master of Science, or PhD. The Master of Engineering degree is a course-based degree that is typically completed within one year. The Master of Science degree is a research-based degree that requires the completion of a thesis and typically takes 2-3 years to complete.

For more detailed information on this program, please contact the Pre-Engineering Program Director, Will Roach (physics).

			Hours
CHEM	111	Fundamentals of Chemistry I	4
CHEM	112	Fundamentals of Chemistry II	4
MATH	103-104	Calculus I, II	6
MATH	211	Calculus III	3
MATH	301	Differential Equations	3
PHYS	161-162	Physics I, II	<u>8</u>
		<i>Total Hours Required</i>	28

Pre-Forestry and Wildlife

Advisor: Dr. Perault

Students planning careers in forestry, wildlife management, or conservation may study four years at University of Lynchburg in a program that will prepare them for jobs or graduate work in these fields. Required or recommended courses include biology, chemistry, physics, mathematics, and economics.

Pre-Law

Advisors: Dr. Cylke, Dr. L. Dawson, Ms. Koring, Mr. Robert, Mr. Schnur, Dr. Shahady, Dr. Wagner

For admission to law school, the Association of American Law Schools recommends substantial work in courses that require logical thought, rigorous analysis of texts, effective writing and speaking, and understanding of human institutions and values. Courses in communications, economics, English, history, philosophy, political science, and the sciences are suggested.

Students interested in attending law school upon graduation should declare pre-law as a pre-professional interest by the end of the sophomore year and be assigned an advisor by contacting Academic Advising. For assistance with course selection and applications to law school, students should meet with their pre-law advisor prior to the senior year. Materials are available from the Academic Achievement Center. The pre-law advisors are readily available to help students learn more about law schools and the legal profession.

Pre-Library and Information Science

Advisor: Ms. Jenny Horton

Students interested in pursuing a master's degree in library and information science should include a wide range of subjects in their undergraduate education.

Pre-Ministerial Church-Related Occupation Program

Advisors: Rev. McLemore and Dr. Merrill Willis

Through its Advisory Committee on Pre-Ministerial Education (composed of the faculty of the religious studies program and the University Chaplain), University of Lynchburg exercises a cooperative role with related church officials in supervising the pre-seminary education of students preparing for a ministerial vocation.

The committee has an active advising capacity to Church-Related Occupation Program (CROP) students regarding their interest in the ministry, and students having such interests should make their intentions known as early as possible to the University chaplain or to Dr. Merrill Willis. The committee seeks to assist each student with defining a special program of pre-seminary study.

The committee appoints qualified students in supervised field education ("Apprentices-in-Ministry" and interns in religious studies). This field experience may entail service with church congregations, church-related agencies, or other service agencies. Eligibility for appointments is determined by the following minimum guidelines:

"Apprentices-in-Ministry" must:

1. Be in good standing with the University;
2. Have at least a 2.25 cumulative quality point average; and
3. Have successfully completed at least six semester credit hours of introductory courses in religious studies or a related field of study, with approval of the committee.

Persons desiring to serve in churches or other agencies should seek to qualify and to apply for appointment as "Apprentices-in-Ministry."

An alternate form of supervised field experience in religious studies is the internship in religious studies, open to a limited number of students who meet all the above requirements and the academic internship requirements listed below. Internships in religious studies are arranged individually with the supervision of the Advisory Committee on Pre-Ministerial Education. Prerequisites for RELG 399 Internship in Religious Studies are as follows:

1. Juniors and seniors with a minimum QPA of 2.25;
2. Approval of the Advisory Committee on Pre-Ministerial Education;
3. Completion of an Academic Internship Contract obtained from the Career and Professionalism Center. Refer to the section on "Internships" or additional information about internship procedures.

Because literary study is central to the work of the minister, persons interested in preparing for professional service in the clergy should elect a rich program of language study. Pre-seminarians are strongly advised to consult with members of the religious studies program about language options.

Pre-Museum Studies

Advisor: Dr. Rothermel

Students interested in attending graduate school and beginning a career in museums, historical sites, or arts and cultural organizations should declare a minor in museum studies by the beginning of the junior year. The recommendations for admission to graduate programs in museum studies include a discipline-specific emphasis; majors in art, history, communication studies, business, education, and the sciences are encouraged. The career opportunities in the museum field are extensive, and the American Alliance of Museums has a primary goal of leading the efforts to maintain professional standards by improving the quality of museum programs, operations, and training of personnel.

LYNCHBURG COLLEGE OF ARTS AND SCIENCES

Dean: Dr. Charles Walton

Associate Deans of Lynchburg College of Art and Sciences

School of Humanities: Dr. Cheryl Coleman

School of Sciences: Dr. William Lokar

School of Social Sciences: Dr. Sabita Manian

School of Visual and Performing Arts: Dr. Oeida Hatcher

The Lynchburg College of Arts and Sciences is at the heart of the liberal arts mission of the university. Liberal education remains the foundation of undergraduate study inasmuch as it inspires creativity, curiosity, and innovation in our students while providing a broad understanding of cultures, context, and the social construction of knowledge. Our students are enriched by a curriculum that is grounded in critical thinking, scientific inquiry, data analysis, and aesthetic enlightenment. The Lynchburg College of Arts and Sciences prepares students for their professional lives while also providing them with a conceptual framework for a life well lived, one that allows for self-realization and a commitment to social responsibility. As the bedrock of the General Education Program, the Lynchburg College of Arts and Sciences offers a curriculum that is aimed at developing the students' knowledge of the socio-historical and linguistic bases of culture, as well as offering an invitation to cultivate the aesthetic and ethical values that contribute to the richness of one's life. Moreover, the curriculum offers specialized knowledge and training in the upper divisions that prepare individuals for graduate work and/or professional life.

The Lynchburg College of Arts and Sciences is comprised of four Schools. The School of Humanities includes undergraduate programs in English; Modern and Classical Languages; History; Philosophy; and Religious Studies. The School of Sciences includes undergraduate programs in Biology; Biomedical Science; Chemistry; Computer Science; Environmental Science, Studies, and Sustainability; Mathematics; Physics and Engineering; and Psychological Science. The School of Sciences also offers a graduate certificate in Cybersecurity. The School of Social Sciences offers undergraduate programs in Communication Studies; Criminology; International Relations and Political Science; and Sociology and Human Services, as well as a graduate program in Criminal Justice. The School of Visual and Performing Arts includes majors in Art, Music, and Theatre.

The College administers a number of centers that provide experiential learning opportunities for students and reflect a commitment to community outreach and engagement. The following centers are administered through the Lynchburg College of Arts and Sciences: Belk Astronomical Observatory, Center for Community Development and Social Justice, Center for Professional Communication, Center for Water Quality, Claytor Nature Study Center, Donovan Center for Media Development, and History Sandusky.

SCHOOL OF HUMANITIES

Associate Dean: Dr. Cheryl Coleman

English Department Faculty: Dr. Bates, Mr. Bryant, Dr. Burke, Dr. Coleman, Dr. Dickson, Ms. Keith, Dr. Layne, Dr. Lipani, Dr. Long, Ms. Marelllo, Dr. Salmon, Dr. Sharrett, Dr. Tiner

History Department Faculty: Dr. Amos, Dr. Crim, Dr. Dean, Dr. Hageman, Dr. Michie, Dr. Potter, Dr. Sanders, Dr. Santos, Dr. Weidner

Modern & Classical Languages Department

English as a Second Language: Dr. Pierce

French Faculty: Dr. Mayer, Dr. Roseau

German Faculty: Dr. Carter, Dr. Schwarzmann

Latin Faculty: Dr. Tiner

Spanish Faculty: Dr. Alonso, Dr. Carter, Mr. Cedillo, Mr. Gorostiaga, Dr. Hertel, Dr. Larrea Rubio, Dr. S. Robinson, Dr. Schwarzmann

Museum Studies Program Faculty: Dr. Rothermel

Philosophy Studies Department Faculty: Dr. Brickhouse, Dr. Brickhouse-Bryson, Dr. S. Dawson, Dr. Frank

Religious Studies Department Faculty: Dr. S. Dawson, Dr. Evans, Dr. Merrill Willis

The School of Humanities is committed to providing curricular and co-curricular activities grounded in the liberal arts. The School also provides learning opportunities for students and faculty who seek a greater understanding of the humanities. Students and faculty are active participants in the College's cultural environment.

Majors and Minors

Archaeology Minor

Classical Studies Minor

Creative Writing Minor

Criminology-Philosophy Major

English Major

English Minor

French Major

French Minor

German Minor

History Major

History Minor

Latin American Studies Minor

Medieval and Renaissance Studies Minor

Museum Studies Minor

Philosophy Major

Philosophy - Political Science Major

Philosophy Minor

Professional Writing Minor

Religious Studies Major

Religious Studies Minor

Spanish Major

Spanish Minor

Teaching English as a Second or Foreign

Language Certificate

Teaching English as a Second or Foreign

Language Minor

ARCHAEOLOGY MINOR

The archaeology minor gives students the opportunity to explore societies and cultures of the past through their material remains. Students will work to analyze and understand past societies, through several disciplines such as environmental science, history, anthropology, math, and museum studies. Through a partnership with the Historic Sandusky Museum and programs with other local museums, students learn technical aspects of archaeological work, and explore the theory and methods used by archaeologists to interpret artifacts of the past.

Core Courses:

HIST	265	Introduction to Archaeology
ARCH	301	Archaeology Laboratory
ENST	365	Environmental Archaeology

Hours

9

Minimum of 9 hours, with only one 100-level course:

ARCH	302	Archaeology Field School
ARCH	398	Special Topics in Archaeology
*ARCH	399	Internship in Archaeology
ART	329	Art of Classical Antiquity
ENVS	211	Physical Geography
ENVS	338	Environmental Geography
ENVS	340	Remote Sensing

9

ENVS	380	Geographic Information Systems	Hours
HIST	349	Public History	
MST	101	Introduction to Museum Studies	
MST	301	Legal and Ethical Issues in Museums	
MST	305	Understanding the Historic House Museum as Public History	
SOCI	121	Cultural Anthropology	
SOCI	277	Social Research Methods and Statistics	
STAT	222	Introductory Statistics	
STAT	300	Data Science and Applied Statistics	
<i>Total Hours Required</i>			<u>18</u>

* If you chose to do an internship, a minimum of 3 hours is required and no more than 6 hours is allowed for the minor.

CLASSICAL STUDIES MINOR

LATN	201W	Intermediate Latin	3
or			
LATN	205	Intermediate Latin - Medical	
LATN	202	Intermediate Latin II*	3
Electives			9
Nine hours from the list below. Note that relevant Study Abroad and Honors courses may substitute for electives with approval for course substitutions.			
ART	329	Art of Classical Antiquity	
*ENGL	306	Medieval Literature	
HIST	311	Medieval Culture	
HIST	323	Greek Civilization	
HIST	324	Roman Civilization	
LATN	203	Medieval Latin	
LATN	208	Classical Latin Literature in English Translation	
LATN	397	Independent Study in Latin	
LATN	398	Special Topics in Latin	
LATN	399	Internship in Latin	
*LATN	470	Medieval Latin for Teachers	
PHIL	214W	Greek Philosophy	
*PHIL	215	Medieval Philosophy	
POLI	253	Classical Political Thought	
RELG	202W	New Testament	
RELG	316	Jesus and Judaism	
THEA	211	Theatre History and Literature I	
<i>Total Hours Required</i>			<u>15</u>

* Only one of these courses can be taken to satisfy the Classical Studies Minor.

University of Lynchburg prerequisite is LATN 201W or 205, parallel to the other "202" modern language classes at University of Lynchburg; or AP Credit (3 or higher); or Latin placement test score 90-100 with successful additional sight translation of two short passages: 1 of prose and 1 of poetry, with the aid of a dictionary.

Students may also take courses in classics at 300-level or above at Randolph or Sweet Briar colleges, under the Tri-College Consortium agreement.

CREATIVE WRITING MINOR

The creative writing minor allows students to pursue creative writing within the larger context of academic study. The purpose of the program is to give students a rigorous background in the fundamentals of creative writing by providing them with the opportunity to study craft, workshop and editing critique, revision, and literature within a structured curriculum and with published writers.

			Hours
Required courses:			6
ENGL	205	Introduction to Creative Writing	
ENGL	424	Advanced Creative Writing	
Genre Workshops:			6
ENGL	346	Creative Writing: Non-Fiction	
ENGL	349	Creative Writing: Poetry	
ENGL	350	Creative Writing: Fiction	
Electives:			6
ENGL	207W	Technical Writing in the Healthcare Industry	
ENGL	208W	Science Writing for a General Audience	
ENGL	209W	Nature Writing	
ENGL	220W	Introduction to Literary Studies	
ENGL	302	American Literature: 1607-1865	
ENGL	303	American Literature: 1865-1999	
ENGL	306	Medieval Literature	
ENGL	323	Modern Multicultural Literature	
ENGL	337	American Multi-Ethnic Literature	
ENGL	346	Creative Writing: Non-Fiction	
ENGL	349	Creative Writing: Poetry	
ENGL	350	Creative Writing: Fiction	
ENGL	353	Literature of the Tudor Dynasty	
ENGL	354	The Golden Age	
ENGL	357	Literature of the Romantic Period	
ENGL	358	Literature of the Victorian Period	
ENGL	360	The English Novel	
ENGL	362W	The Short Story: From Fairy Tales to Flash Fiction	
ENGL	365	Modern Poetry	
ENGL	366	Southern Literature	
ENGL	371	Contemporary Literature	
ENGL	417	Chaucer	
ENGL	421	Shakespeare I	
ENGL	422	Shakespeare II	
<i>Total Hours Required</i>			<hr/> 18

CRIMINOLOGY-PHILOSOPHY MAJOR

The joint criminology and philosophy major provides students with the opportunity to study the basic principles of Criminology and criminal justice practices along with the development of the ability to identify and assess the philosophical presuppositions and implications of those practices.

CRIM	241	Criminology	3
CRIM	243	Juvenile Delinquency	3
CRIM	244	Criminal Justice Process	3
CRIM	285	Criminal Law	3
CRIM	301	Comparative Criminal Justice	3
PHIL	201	Introduction to Logic	3
PHIL	204	Introduction to Ethics	3
PHIL	315	Philosophy of Law	3
PHIL	330W	Law Enforcement and Morality	3
PHIL	400	Thesis Guidance	3
One of the following			3
BUAD	322	Legal Environment of Business	
CRIM	211	Law and Society	
ENST	350	Environmental Law and Policy	
POLI	326	Constitutional Law	
PSYC	263	Psychology of Law	
<i>Total hours required</i>			<hr/> 33

ENGLISH MAJOR

The English Department offers major and minor programs in English. The English major, with its emphasis on literature, writing, and language studies, provides a broad liberal arts education and is an excellent background for careers in law, medicine, business, teaching, public service, and numerous other professions.

Introductory and Capstone Courses:			Hours
ENGL	220W	Introduction to Literary Studies	3
ENGL	420	Senior Seminar in English	3
One from the following:			3
ENGL	314W	History of the English Language	
ENGL	315W	English Grammar	
ENGL	320	Literary Criticism	
One from the following:			3
ENGL	306	Medieval Literature	
ENGL	353	Literature of the Tudor Dynasty	
ENGL	354	The Golden Age	
ENGL	357	Literature of the Romantic Period	
ENGL	358	Literature of the Victorian Period	
ENGL	360	The English Novel	
ENGL	417	Chaucer	
ENGL	421	Shakespeare I	
ENGL	422	Shakespeare II	
One from the following:			3
ENGL	302	American Literature 1607-1865	
ENGL	303	American Literature 1865-1999	
ENGL	337	American Multi-Ethnic Literature	
ENGL	366	Southern Literature	
One or two from the following:			3-6
ENGL	203W	Expository Writing	
ENGL	205	Introduction to Creative Writing	
ENGL	208W	Science Writing for a General Audience	
ENGL	209W	Nature Writing	
ENGL	210	Writing in the Workplace	
ENGL	223W	Academic Writing	
ENGL	346	Creative Writing: Non-Fiction	
ENGL	349	Creative Writing: Poetry	
ENGL	350	Creative Writing: Fiction	
ENGL	424	Advanced Creative Writing	
Fifteen to eighteen hours from*:			15-18
ENGL	Other ENGL courses 300 and above, excluding ENGL 308 and 414		—
<i>Total Hours Required</i>			<u>36</u>

*Hours from ENGL 377, 387, and 399 counting toward major will be capped at 6.

Teacher Licensure

English majors who are planning to obtain teacher licensure for secondary education (6-12) must do the following:

1. Take the following courses required for licensure in English:
 - a. Oral communication course (e.g. COMM 112)
 - b. ENGL 314W (History of the English Language)
 - c. ENGL 315W (English Grammar)
 - d. ENGL 317 (Teaching Writing)
 - e. ENGL 320 (Literary Criticism)

2. Declare a Minor in Secondary Education - see program requirements in School of Education, Leadership Studies, and Counseling section; and
3. Contact the School of Education, Leadership Studies, and Counseling licensure officer for an advisor.

ENGLISH MINOR

			Hours
ENGL	220W	Introduction to Literary Studies	3
Fifteen hours from:			15
ENGL	201	Literature and Culture I: Masterpieces from Antiquity Through the Renaissance	
ENGL	202	Literature and Culture II: Works From the Enlightenment to the Present	
ENGL	203W	Expository Writing	
ENGL	205	Introduction to Creative Writing	
ENGL	207W	Technical Writing for the Healthcare Industry	
ENGL	208W	Science Writing for a General Audience	
ENGL	209W	Nature Writing	
ENGL	210	Writing in the Workplace	
ENGL		Other ENGL courses 300 and above, excluding ENGL 308 and 414	
<i>Total Hours Required</i>			18

FRENCH MAJOR

Students who intend to major in French will, upon consultation with the instructor, plan the series of courses on the various phases of the civilization, literature, and institutions of France which best fit their needs or which correlate best with their general courses of study. Study abroad is strongly encouraged. For a major in French the student must complete thirty semester hours of work and must include:

FREN	202	Intermediate French	3
FREN	221-222	Advanced Language Practice	6
FREN	241-242	Conversation and Composition	6
FREN	475W	Seminar in French	3
FREN	476W	Seminar in French	3
FREN		Other FREN courses 300 level	<u>9</u>
<i>Total Hours Required</i>			30

FRENCH MINOR

FREN	202	Intermediate French	3
FREN	221-222	Advanced Language Practice	6
FREN	241-242	Conversation and Composition	6
FREN		Other FREN course 300 level	<u>3</u>
<i>Total Hours Required</i>			18

Teacher Licensure

Students seeking teacher licensure in French are required to take FREN 470, Methodology of Teaching Second Languages. Students should meet with their advisor and with the licensure officer in the School of Education, Leadership Studies, and Counseling. For additional information, see SECONDARY EDUCATION MINOR in the School of Education, Leadership, and Counseling section.

GERMAN MINOR

			Hours
GRMN	201	Intermediate German	3
GRMN	202	Intermediate German II	3
GRMN	241	Conversation and Composition	3
GRMN	313	Survey of German Literature	3
One from the following:			3
GRMN	208	German Literature in Translation	
GRMN	209	German Fairy Tales in Their European Context	
<i>Total Hours Required</i>			<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 15

HISTORY MAJOR

The purpose of history as a discipline is to examine all aspects of civilization, particularly humanity as the maker of institutions. Humanity is the creative force that has managed to survive and even thrive as a result of its ability to adapt itself and its institutions to changing circumstances. History is accordingly concerned with humanity's ideas about itself and the social, economic, political, intellectual, aesthetic, and religious institutions that it creates to give substance to its beliefs. This study of humanity relative to time provides students with the background they need to understand themselves and their culture.

The basic foundation course for the study of humanity is the freshman survey, History 101-102 (History of Civilization), and each potential major is normally expected to begin his/her study of history with this course. (NOTE: These courses are part of the General Education Requirements for all majors at the College, and do not formally count towards the required hours for a history major.) Those students wishing to major in history should earn at least an average grade of 2.0 in the course. History 200W should be taken during the sophomore year, since the skills that form the core of this course are essential to success in all upper-level work in this discipline; transfer students should take it in their first spring semester.

Additionally, History 255, and 256 should also be taken in the sophomore year (for transfer students, in their first year) to round out the common core all history majors will have at the beginning of their program, and provide a broad framework for all subsequent courses. History 402W should be taken in the fall semester of the senior year by all students.

Historiography and Research:			6
HIST	200W	The Historian's Craft	
HIST	402W	History Senior Thesis Seminar	
The United States and the Atlantic World:			6
HIST	255	America to 1877	
HIST	256	America Since 1877	
Pre-Modern European History:			3
HIST	305	England to 1485	
HIST	311	Medieval Culture	
HIST	312	Renaissance and Reformation	
HIST	323	Greek Civilization	
HIST	324	Roman Civilization	
HIST	345	Tudor England	
Modern European History:			3
HIST	306	Great Britain Since 1714	
HIST	322	Europe Since 1914	
HIST	341	Age of Courts and Kings	
HIST	342	From Revolution to Armageddon	
HIST	346	The Stuart Century	
HIST	353	The Holocaust	
Non-Western History:			6
HIST	243	Contemporary Africa	
HIST	275	Latin American History	
HIST	343	South African History	

HIST	344	History of Women in the Americas	Hours
HIST	375	History of Love and Sex in Latin America	
HIST	379	History and Politics of the Middle East	
Twelve hours from:			12
HIST	203	Crime and Punishment in America	
HIST	243	Contemporary Africa	
HIST	275	Latin American History	
HIST	301	Rise of the American City	
HIST	305	England to 1485	
HIST	306	Great Britain Since 1714	
HIST	311	Medieval Culture	
HIST	312	Renaissance and Reformation	
HIST	322	Europe Since 1914	
HIST	323	Greek Civilization	
HIST	324	Roman Civilization	
HIST	330	Military History	
HIST	333	The Civil War and Reconstruction	
HIST	336	American Social History	
HIST	339	Atlantic World in the Seventeenth Century	
HIST	340	Atlantic World in the Eighteenth Century	
HIST	341	Age of Courts and Kings	
HIST	342	From Revolution to Armageddon	
HIST	343	South African History	
HIST	344	History of Women in the Americas	
HIST	345	Tudor England	
HIST	346	The Stuart Century	
HIST	347W	Slavery and Race in the Early Americas	
HIST	348	Racism and Empire in the American Context	
HIST	349	Public History	
HIST	353	The Holocaust	
HIST	370	The U.S. and the World	
HIST	375	History of Love and Sex in Latin America	
*HIST	377	Study Abroad	
HIST	379	History and Politics of the Middle East	
HIST	380	America in the 1960s	
*HIST	397	Independent Study in History	
*HIST	398	Special Topics in History	
*HIST	399	Internship in History	
<i>Total Hours Required</i>			<u>36</u>

*Only 3 hours from these courses may be counted towards fulfillment of History major requirements.

Teacher Licensure

Students seeking teacher licensure in history and social sciences must:

1. Major in history (including American history, Virginia history, English history, and world history);
2. Complete eighteen semester hours of political science, and
3. Six semester hours in economics, and
4. Six semester hours in geography (ENVS 211, INTL 213) or study abroad;
5. Contact the School of Education, Leadership Studies, and Counseling licensure officer for an advisor;
6. Minor in Secondary Education—see program requirements in the School of Education, Leadership, and Counseling section; and
7. Complete state required Virginia Civics module.

HISTORY MINOR

			Hours
HIST	101-102	History of Civilization I, II	6
HIST		HIST courses 300 and above	6
HIST		Other HIST courses	<u>6</u>
		<i>Total Hours Required</i>	18

LATIN AMERICAN STUDIES MINOR

SPAN	201	Intermediate Spanish	3
One of the following			3
SPAN	202	Intermediate Spanish	
SPAN	206	Spanish for International and Criminal Law	
*Interdisciplinary courses:			9
HIST	275	Latin American History	
HIST	375	History of Love and Sex in Latin America	
POLI	275	Latin American Politics	
POLI	375	U.S.-Latin American Relations	
SPAN	208	Hispanic Literature in Translation	
SPAN	221	Advanced Language Practice: Conversation	
SPAN	340	The Culture and Civilization of Latin America	
SPAN	398	Special Topics in Spanish	
SPAN	441	Advanced Conversation and Culture through Spanish Language Resistance Music	
SPAN	442	Advanced Conversation and Culture through Documentary Film in Spanish	
SPAN	460W	Literature in Spanish: Latin America	
		<i>Total Hours Required</i>	<u>15</u>

* Two courses in the interdisciplinary course listing of the minor may be replaced with approved Study Abroad courses taken in Latin America. An approved course substitution form is required.

MEDIEVAL AND RENAISSANCE STUDIES MINOR

The medieval and renaissance studies minor provides students with an opportunity for interdisciplinary study in courses that include a significant portion of material from the Middle Ages and Renaissance periods. Students interested in pursuing this minor should select as an advisor one of the faculty members who teaches courses in the minor. The minor in medieval and renaissance studies requires fifteen semester hours in courses covering material prior to 1600 and English Renaissance literature through 1700.

Literature:			3
ENGL	201	Literature and Culture I: Masterpieces from Antiquity Through the Renaissance	
ENGL	306	Medieval Literature	
ENGL	314W	History of the English Language	
ENGL	353	Literature of the Tudor Dynasty	
ENGL	354	The Golden Age	
ENGL	417	Chaucer	
ENGL	421-422	Shakespeare I, II	
FREN	311	Survey of French Literature	
THEA	211	Dramatic Literature: Classical Greece to Renaissance	
History-Political Science:			3
HIST	305	England to 1485	
HIST	311	Medieval Culture	
HIST	312	Renaissance and Reformation	

HIST	345	Tudor England	Hours
POLI	253	Classical Political Thought	
Art-Music:			3
ART	203	Survey of Art History I	
ART	333	Renaissance Art	
ART	339	History of Western Architecture	
MUSC	302W	Music History and Literature I	
Philosophy-Religion:			3
PHIL	215	Medieval Philosophy	
RELG	206W	Judaism, Christianity, and Islam	
RELG	304W	Seminar in Islam	
One additional course must be chosen from any of the above groups			<u>3</u>
<i>Total Hours Required</i>			15

MUSEUM STUDIES MINOR

The museum studies minor is an interdisciplinary program that stresses theoretical concepts and develops practical skills that will prepare students to understand museums as a cultural and educational resource and for graduate programs and the museum profession. The Daura Gallery is used as the primary teaching resource for museum studies courses.

MST	101	Introduction to Museum Studies	3
MST	201	Curatorial Practice	3
MST	202	Museum Exhibitions	3
MST	301	Legal and Ethical Issues in Museum Studies	3
MST	302	Museums in the Public Dimension	3
Three hours from the following:			3
ENST	365	Approaches to Archaeology	
MST	102	The Great American Museum	
MST	304	Historical Archaeology	
MST	305	Understanding the Historic House Museum as Public History	
MST	377	Study Abroad	
MST	397	Independent Study in Museum Studies	
MST	398	Special Topics in Museum Studies	
MST	399	Internship in Museum Studies	
<i>Total Hours Required</i>			<u>18</u>

PHILOSOPHY MAJOR

In addition to providing a sound understanding of the major branches of philosophy, this program should be helpful for any student who wishes to develop his or her ability to analyze, interpret, evaluate, and communicate persuasively. The philosophy major is excellent preparation for many careers, such as law, business, and teaching. The major is also a strong complement to many other majors that offer preparation for specific careers. The philosophy major is required to write a thesis in the senior year.

PHIL	200W	Introduction to Philosophy	3
PHIL	201	Introduction to Logic	3
PHIL	204	Introduction to Ethics	3
PHIL	214W	Greek Philosophy	3
PHIL	216	Modern European Philosophy	3
PHIL	306	Knowledge and Reality	3
PHIL	400W	Thesis Guidance	3
PHIL		Other PHIL courses 200 and above	<u>9</u>
<i>Total Hours Required</i>			30

PHILOSOPHY MINOR

			Hours
PHIL	200W	Introduction to Philosophy	3
PHIL	201	Introduction to Logic	3
PHIL	204	Introduction to Ethics	3
PHIL		Other PHIL courses 200 and above	9
		<i>Total Hours Required</i>	18

PHILOSOPHY-POLITICAL SCIENCE MAJOR

The philosophy-political science major is recommended for students who have an interest in a wide variety of careers including, but not limited to, law, public service, policy analysis, teaching, and journalism. The curriculum focuses on an analysis of primary texts, as well as developing and applying critical thinking skills. Every student is required to write a senior thesis. The major should be declared by the second semester of the sophomore year. For a joint major in philosophy-political science, a student must complete twenty-one semester hours in philosophy and eighteen semester hours of political science as listed below.

PHIL	201	Introduction to Logic	3
PHIL	204	Introduction to Ethics	3
PHIL	214W	Greek Philosophy	3
PHIL	216	Modern European Philosophy	3
PHIL	400W	Thesis Guidance	3
PHIL		Other PHIL courses 200 and above	6
POLI	220	The American Political Experience	3
POLI	253	Classical Political Thought	3
POLI	254	Modern Political Thought	3
POLI	362	Recent Political Thought	3
POLI		Other POLI courses 200 and above	6
		<i>Total Hours Required</i>	39

PROFESSIONAL WRITING MINOR

This course of study prepares students for careers in writing and editing, but also complements their disciplinary study in other fields (e.g., business, science, etc.) that rely on written communication to disseminate knowledge and reach and influence multiple and often diverse audiences. Students learn to analyze a variety of writing situations and to write in an effective and ethical manner in a range of organizational contexts.

ENGL	210	Workplace Writing	3
		Fifteen hours from:	15
ENGL	203	Expository Writing	
		or	
ENGL	223W	Academic Writing	
ENGL	205	Introduction to Creative Writing	
		or	
ENGL	209W	Nature Writing	
ENGL	207W	Technical Writing in the Healthcare Industry	
ENGL	208W	Science Writing for a General Audience	
ENGL	315W	English Grammar	
ENGL	346	Creative Writing Non-Fiction	
ENGL	399	Internship	
		<i>Total Hours Required</i>	18

RELIGIOUS STUDIES MAJOR

The academic study of religion at the University of Lynchburg is undertaken as part of a liberal arts program in the area of the humanities. The faculty seeks to introduce students to a broad understanding of the nature of religion in various Western and Eastern religious traditions. Current courses present the various ways religion has been practiced, organized, and studied. Study focuses on the role of religion in culture by analyzing texts and institutions from both traditional and popular religious movements. Courses are designed

to motivate students to reflect on the social and moral significance of religious traditions of the past and present. All students who are interested in examining religion as a phenomenon in human experience are encouraged to include religious studies in their academic program.

Students who intend to enroll in a graduate professional school in religion or theology are encouraged to major in religious studies. Through its Advisory Committee on Pre-Ministerial Education, University of Lynchburg exercises a cooperative relationship with persons serving in a variety of ministries in supervising the pre-seminary education of students preparing for a ministerial vocation.

The religious studies major requires completion of thirty semester hours, at least eighteen of which are in courses numbered above 300. All religious studies majors must take at least three semester hours of 300-level courses in each of the following areas: biblical studies, world religions, and theological/ ethical studies. They must also take RELG 410W, the Senior Seminar.

	Hours
Biblical studies:	9
RELG 201W Old Testament	
RELG 202W New Testament	
RELG 316 Jesus and Judaism	
RELG 317 Seminar in Old Testament Research	
World religions:	6
RELG 205W Religions of Asia	
RELG 206W Judaism, Christianity, and Islam	
RELG 303W Seminar in Religions of Asia	
RELG 304W Seminar in Islam	
Theological/ethical studies:	6
RELG 305 Seminar in Religion in America	
RELG 322 Contemporary Religious Thinkers	
RELG 328 Seminar in Religious Ethics	
Senior seminar:	3
RELG 410W Senior Seminar	
Electives:	6
HIST 311 Medieval Culture	
HIST 312 Renaissance and Reformation	
PHIL 222W God, Faith, and Evil	
RELG 207W Religion, Body, and Health	
RELG 377 Study Abroad	
RELG Other RELG courses 300 and above	
SOCI 214 Religion, Symbols, and Culture	
<i>Total Hours Required</i>	<u>30</u>

RELIGIOUS STUDIES MINOR

Two of the following:	6
RELG 201W Old Testament	
RELG 202W New Testament	
RELG 205W Religions of Asia	
RELG 206W Judaism, Christianity, and Islam	
Nine hours from:	9
HIST 311 Medieval Culture	
or	
HIST 312 Renaissance and Reformation	
PHIL 222W God, Faith, and Evil	
RELG 207W Religion, Body, and Health	
RELG Other RELG courses 300 and above	
SOCI 214 Religion, Symbols, and Culture	
<i>Total Hours Required</i>	<u>15</u>

SPANISH MAJOR

Students who major in Spanish should take supporting courses in Spanish and/or Latin-American culture, literature, history, and civilization. It is also highly recommended that majors spend a year, a semester, a summer term, or even a spring break trip studying and living in Spain or Latin America.

			Hours
SPAN	221	Advanced Language Practice: Conversation	3
SPAN	222W	Advanced Language Practice: Composition	3
One of the following			3
SPAN	202	Intermediate Spanish	
SPAN	206	Spanish for International and Criminal Law	
One from Culture and Civilization:			3
SPAN	340	Culture and Civilization of Latin America	
SPAN	341	Culture and Civilization of Spain	
One from Literature:			3
SPAN	460W	Literature in Spanish: Latin America	
SPAN	461W	Literature in Spanish: Spain	
Spanish electives:			12-15
SPAN	208	Hispanic Literature in Translation	
SPAN	311	Cinema in Spanish	
SPAN	340	The Culture and Civilization of Latin America	
SPAN	341	The Culture and Civilization of Spain	
SPAN	351	Introduction to Spanish Linguistics	
SPAN	397	Independent Study in Spanish	
SPAN	398	Special Topics in Spanish	
SPAN	399	Internship in Spanish	
SPAN	441	Advanced Conversation and Culture through Spanish Language Resistance Music	
SPAN	442	Advanced Conversation and Culture through Documentary Film in Spanish	
SPAN	460W	Literature in Spanish: Latin America	
SPAN	461W	Literature in Spanish: Spain	
SPAN	470	Methodologies of Teaching Second Languages	
SPAN	478	Honors Thesis	
Additional Electives:			0-3
HIST	275	Latin American History	
HIST	375	History of Love and Sex in Latin America	
POLI	275	Latin American Politics	
POLI	375	U.S. – Latin American Relations	
<i>Total Hours Required</i>			<u>30</u>

Note: Only one course taught in English may be used to satisfy the requirements for the Spanish major

SPANISH MINOR

SPAN	221	Advanced Language Practice: Conversation	3
SPAN	222W	Advanced Language Practice: Composition	3
SPAN		Other SPAN course above the SPAN 206 level	9
One of the following			3
SPAN	202	Intermediate Spanish	
SPAN	206	Spanish for International and Criminal Law	
<i>Total Hours Required</i>			<u>18</u>

Teacher Licensure

Students seeking teacher licensure in Spanish are required to take SPAN 470, Methodology of

Teaching Second Languages. Students should meet with their advisor and with the Licensure officer in the School of Education, Leadership, and Counseling. For additional information, see SECONDARY EDUCATION MINOR in the School of Education, Leadership, and Counseling section.

TEACHING ENGLISH AS A SECOND OR FOREIGN LANGUAGE CERTIFICATE

Core courses:			Hours
ENGL	315W	English Grammar	3
		Prerequisites: ENGL111W-112W	
LING	201	Introduction to Linguistics	3
LING	301	Phonology/Phonetics of North America	3
LING	302	Second Language Acquisition	3
One of the following:			3
FREN	470	Methodology of Teaching Second Languages	
SPAN	470	Methodology of Teaching Second Languages	
One of the following electives:			3
COMM	171	Media and Culture	
COMM	251	Intercultural Communication	
EDUC	201	Classroom Management	
EDUC	211	Instructional Strategies	
ENGL	314W	History of the English Language	
ENGL	317	Teaching Writing	
LING	303	Psycho-Linguistics	
LING	397	Independent Study	
LING	398	Special Topics in Linguistics	
LING	399	Internship in Linguistics	
PSYC	344	Cognitive Psychology	
SOCI	121	Cultural Anthropology	
<i>Total Hours Required</i>			<hr/> 18

TEACHING ENGLISH AS A SECOND OR FOREIGN LANGUAGE MINOR

Core Courses:			
ENGL	315W	English Grammar	3
LING	201	Introduction to Linguistics	3
LING	301	Phonology/Phonetics of North American English	3
LING	302	Second Language Acquisition	3
One of the following:			3
FREN	470	Methodology of Teaching Second Languages	
SPAN	470	Methodology of Teaching Second Languages	
Electives:			3
COMM	171	Media and Culture	
COMM	251	Intercultural Communication	
EDUC	201	Classroom Management	
EDUC	211	Instructional Strategies	
ENGL	314W	History of the English Language	
ENGL	317	Teaching Writing	
LING	303	Psycho-Linguistics	
LING	397	Independent Study	
LING	398	Special Topics in Linguistics	
LING	399	Internship in Linguistics	
PSYC	344	Cognitive Psychology	
SOCI	121	Cultural Anthropology	
SOCI	203	Culture, Identity, and Consumption	
<i>Total Hours Required</i>			<hr/> 18

SCHOOL OF SCIENCES

Associate Dean: Dr. William Lokar

Sciences Resource Manager: Ms. Justis

Sciences Laboratory Coordinators: Mr. Burris, Mr. Elliott, Mr. Herndon

Biology Department Faculty: Dr. Benson, Dr. Blair, Dr. Brooks, Dr. Cowden, Dr. Freier, Dr. Friedman,

Dr. Jablonski, Dr. Maie, Ms. Stevens, Dr. J. D. Styrsky, Dr. Terry, Dr. Williamson, Dr. Ziesmann

Biomedical Sciences Department Faculty: Dr. Blair, Dr. Freier, Dr. Jablonski, Dr. Terry

Chemistry Department Faculty: Mr. Burris, Dr. Crumpton, Dr. Gannicott, Dr. Lokar, Dr. Thapa

Claytor Nature Study Center: Dr. Eaton, Director

Computer Science Department Faculty: Dr. Briggs, Dr. Kurdi, Dr. Lobb, Dr. Meehan, Dr. Ribler

Environmental Science, Studies, and Sustainability Department: Dr. Eaton, Dr. Gannicott, Dr. Haiar,

Dr. Henry-Stone, Dr. Perault, Dr. Shahady, Dr. J. N. Styrsky

Mathematics Department Faculty: Dr. Cline, Dr. Coco, Dr. Hatfield, Dr. Lobb, Dr. Peterson, Dr. Taoufik,

Mr. Thomasey

Physics Department and Engineering Program Faculty: Dr. Goff, Dr. Moorman, Dr. Roach

Psychological Science Department Faculty: Dr. Corodimas, Dr. Cylke, Dr. Favero, Dr. Hanna, Dr. Hlaing,

Dr. Marciano, Dr. Richarde

The School of Sciences provides curricular and co-curricular activities for students interested in graduate study and careers in the physical and life sciences, mathematics, and computer science. The School also prepares students for advanced study in health sciences such as medicine, dentistry, or veterinary medicine. Through activities at the University's Claytor Nature Study Center, students, faculty, and staff are involved in initiatives that have a positive impact on the quality of the environment of the University and the community.

Majors and Minors

Biology Major

Biology Minor

Biomedical Science Major

Chemistry Major - Bachelor of Arts

Chemistry Major - Bachelor of Sciences

Chemistry Minor

Computer Science Major

Computer Science Minor

Data Science and Statistics Major

Environmental Science Major

Environmental Science Minor

Environmental Studies Major

Environmental Studies Minor

Information Technology Major

Mathematics Major

Mathematics Minor

Physics Major

Physics Minor

Psychological Science Major

Psychological Science Minor

Statistics Minor

BIOLOGY MAJOR

The science of biology is a process of inquiry, using experimentation and observation to gain understanding of living systems and their interactions with nature. The purpose of the biology major is to acquire knowledge of the basics in the discipline, and, through a modern curriculum, prepare students for careers in the biological sciences. The biology major provides broad preparation appropriate for health-related careers, professional or graduate schools, government or industry, or teacher preparation. The curriculum is designed to ensure that students learn about animals, plants, and microorganisms at the molecular, cellular, organismal, and population levels of analysis. Courses are taught in a variety of styles including lecture, small group collaboration, and hands-on approaches that often involve a range of resources, including computer software, the World Wide Web, and field experiences.

A strong emphasis is placed on developing critical thinking and sound scientific reasoning skills. As part of the student's capstone experience, he/she will work with a faculty member on an independent project, typically a collaborative research project or an internship. Student interns gain practical work-related experience through affiliations with local laboratories, hospitals, physical therapy and veterinary clinics, industries, and government agencies responsible for natural resources.

Students majoring in biology normally must select MATH 103 (Calculus I) as the General Education math requirement. Most health-related careers require additional courses as prerequisites. Each student meets with his/her advisor on a regular basis to ensure that the appropriate courses are being selected.

Required courses:			Hours
BIOL	113	Evolution, Ecology, and Organisms	4
BIOL	114	Cells: Genetic and Molecular Perspectives	4
BIOL	480	Case Studies in Biology	3
BIOL	490	Biology Seminar	1
CHEM	111	Fundamentals of Chemistry I	4
CHEM	112	Fundamentals of Chemistry II	4
CHEM	221	Organic Chemistry I	4
MATH	103	Calculus I	3
STAT	222	Concepts of Statistics	3
One of the following:			4
BIOL	205W	Plant Biology	
BIOL	210	Animal Biology	
BIOL	220W	Cellular Diversity	
One of the following:			4
BIOL	305	Plant Ecology	
BIOL	321W	General Ecology	
BIOL	345	Animal Behavior	
One of the following:			4
BIOL	323	Genetics	
BIOL	360	Molecular Cell Biology	
One of the following:			3
BIOL	399	Internship in Biology	
*BIOL	428	Individual Research in Biology	
Electives:			15
BIOL	Other BIOL courses, excluding 100-level courses		
BIOM	Up to eight hours of BIOM courses, excluding 100-level courses		
CHEM	Up to eight hours of CHEM courses, excluding 100-level courses		
ENVS	Up to four hours of ENVS courses, excluding 100-level courses		
<i>Total Hours Required</i>			60

* Students fulfilling their experiential requirement using BIOL 428 will be required to enroll in at least two semesters for three to six hours total. Additional hours beyond the three required will qualify as elective hours in the major.

BIولوجY MINOR

BIOL	113	Evolution, Ecology, and Organisms	4
BIOL	114	Cells: Genetic and Molecular Perspectives	4
*BIOL	Other BIOL courses, excluding BIOL 101, 238, 399, 428, 480, and 490		<u>10</u>
<i>Total Hours Required</i>			18

*At least four hours of the minor must be 300-level or higher.

BIOMEDICAL SCIENCE MAJOR

Biomedical science is an interdisciplinary program that includes courses in biology, chemistry, and physics. The core courses provide a foundation in each of the sciences, allowing students to develop broad-based knowledge and skills from classroom and laboratory experiences. These courses may serve as prerequisites for admission to professional schools in the health area (medical, dental, veterinary, physical therapy, optometry, chiropractic, physician assistant, pharmacy, etc.). With appropriately chosen electives, this program will also prepare students for graduate study in a variety of fields, including genetics and molecular biology or employment in the rapidly growing bio-technology industry.

A broad-based technical background, such as that offered by the biomedical science major, coupled with a business minor or an MBA, will provide students with an attractive background for employment in the administrative division of many health-related industries.

Since admission to graduate and professional programs in the health sciences is highly competitive, students will work closely with their academic advisors to ensure that all admission prerequisites are met and courses are properly sequenced.

Applications for the biomedical science major, which may be obtained from the Biomedical Sciences Department chair, must be completed before students can be considered for admission to the program. In order to apply, the student must have completed nineteen hours in the core curriculum with a 3.0 QPA and a 2.75 overall QPA from BIOL 113, 114, CHEM 111, 112, and MATH 103. Typically, application for admission would occur in the spring of the sophomore year. Entry into the major is competitive, and all students who apply may not be accepted into the program.

To maintain status as a biomedical science major, students must maintain a C+ or better in all courses taken to fulfill the major requirements, and a 2.75 QPA overall. If a student is not successful in obtaining the required grade, he or she may repeat the course. If a student feels that he/she has not obtained the required grade in a biomedical science major course due to an extenuating circumstance, he or she may file a written appeal, documenting these circumstances to the school dean. Transfer students are welcome. Placement is based on program admission criteria.

Biomedical science core courses:			Hours
BIOL	113	Evolution, Ecology, and Organisms	4
BIOL	114	Cells: Genetic and Molecular Perspectives	4
BIOL	220W	Cellular Diversity	4
BIOM	301W	Biomedical Science Seminar	1
CHEM	111	Fundamentals of Chemistry I	4
CHEM	112	Fundamentals of Chemistry II	4
CHEM	221	Organic Chemistry I	4
CHEM	222	Organic Chemistry II	4
MATH	103	Calculus I	3
Choose one from:			3
BIOM	399	Internship in a Health Profession	
BIOM	428	Individual Research in Biomedical Science	
One of the following Physics courses:			8
PHYS	141-142	College Physics	
PHYS	161-162	Physics I and II	
Biomedical Electives:			10-16
BIOL	323	Genetics	
BIOL	332	Vertebrate Anatomy	
BIOL	333	Vertebrate Physiology	
BIOL	345	Animal Behavior	
BIOL	356	Neurobiology	
BIOL	360	Molecular Cell Biology	
BIOL	424	Microbiology	
BIOM	238	Introduction to Research	
BIOM	312	Forensic Science	
BIOM	420	Cancer Biology	
BIOM	454	Immunology	
CHEM	320	Introductory Biochemistry	
Additional Electives:			0-6
BIOL	480	Case Studies in Biology	
BIOM	398	Special Topics in Biomedical Science	
H P	270	Nutrition	
PHIL	224	Ethical Issues in Medicine	
PSYC	308	Abnormal Behavior	
or			
PSYC	341W	Psychology of Development	

PSYC	315	Drugs and Behavior	Hours
STAT	222	Concepts of Statistics	
			59
<i>Total Hours Required</i>			

CHEMISTRY MAJOR

The Chemistry Department offers two degree options. The BA is primarily designed for students intending to work in chemical laboratories following graduation, students planning to teach who need an endorsement in chemistry, and pre-professional (pre-medical, pre-dental, pre-veterinary, pre-pharmacy) students. The BS is a more rigorous course of study designed for students wishing to continue their study of chemistry at the graduate level.

Students who intend to major in chemistry and students who intend to prepare for medical, dental, veterinary, or pharmacy school are urged to select Fundamentals of Chemistry their first year.

CHEMISTRY MAJOR–BACHELOR OF ARTS

CHEM	111	Fundamentals of Chemistry I	4
CHEM	112	Fundamentals of Chemistry II	4
CHEM	221	Organic Chemistry I	4
CHEM	222	Organic Chemistry II	4
CHEM	242W	Research Methodology in Chemistry	3
CHEM	359	Analytical Chemistry I	4
CHEM	360	Analytical Chemistry II	4
CHEM	441	Chemistry Seminar	1
MATH	103	Calculus I	3
One of the following:			8
PHYS	141-142	College Physics	
PHYS	161-162	Physics I and II	
Electives:			3
BIOM	312	Forensic Science	
CHEM		Other CHEM course 200 and above	
<i>Total Hours Required</i>			42

CHEMISTRY MAJOR–BACHELOR OF SCIENCE

CHEM	111	Fundamentals of Chemistry I	4
CHEM	112	Fundamentals of Chemistry II	4
CHEM	221	Organic Chemistry I	4
CHEM	222	Organic Chemistry II	4
CHEM	242W	Research Methodology in Chemistry	3
CHEM	359	Analytical Chemistry I	4
CHEM	360	Analytical Chemistry II	4
CHEM	421	Physical Chemistry I	4
CHEM	422	Physical Chemistry II	4
CHEM	441	Chemistry Seminar	1
CHEM	461	Senior Project I	2
CHEM	462	Senior Project II	1
MATH	103-104	Calculus I, II	6
One of the following:			8
PHYS	141-142	College Physics	
PHYS	161-162	Physics I and II	
Electives:			3
BIOM	312	Forensic Science	
CHEM		Other CHEM course 200 and above	
<i>Total Hours Required</i>			56

CHEMISTRY MINOR

			Hours
CHEM	111	Fundamentals of Chemistry I	4
CHEM	112	Fundamentals of Chemistry II	4
Electives:			10
BIOM	312	Forensic Science	
CHEM		Other CHEM courses excluding CHEM 127, 397, 399, 428, 441	
		<i>Total Hours Required</i>	<u>18</u>

COMPUTER SCIENCE MAJOR

The computer science curriculum is designed to provide students with the broad range of core competencies required of all computer professionals, as well as the opportunity to acquire an understanding of selected advanced topics in computer science.

C S	141-142	Introduction to Computer Science and Structured Programming	8
C S	241-242	Data Structures and Abstraction I, II	8
C S	451-452	Senior Project	6
C S		Other C S courses 300 and above, excluding CS 399	12
MATH	231	Mathematics of Computer Science	3
Three courses from:			9-10
C S	271	Computer Architecture and Assembly Language Programming	
C S	322	Programming Languages	
C S	350	Software Engineering	
C S	360	Operating Systems and Computer Organization	
C S	370	Database Management Systems	
One writing enriched course:			3
ENGL	223W	Academic Writing	
PHIL	200W	Introduction to Philosophy	
		<i>Total Hours Required</i>	<u>49-50</u>

Recommended electives:

Computer science is a large field with a diverse set of specializations. Although the major requires that students take four 300-level electives, students are encouraged to take more 300-level electives if their schedules permit. Computer science majors will typically find that minoring in mathematics, business, or physics will provide a very useful complement to the major.

COMPUTER SCIENCE MINOR

C S	141-142	Introduction to Computer Science and Structured Programming	8
C S		Other C S courses 200 and above, excluding C S 399	9
		<i>Total Hours Required</i>	<u>17</u>

DATA SCIENCE AND STATISTICS MAJOR

Data Science and Statistics is the science of learning from data. It is concerned with the collection, analysis, and interpretation of data, as well as the effective communication and presentation of these results. Statisticians can work in virtually any field, from business and social science to biology and medicine. The data science and statistics curriculum is designed to provide students with the broad range of core competencies required of all Statistics professionals, as well as the opportunity to acquire an understanding of selected advanced topics.

MATH	103-104	Calculus I, II	6
MATH	211	Calculus III	3
MATH	307	Linear Algebra	3

			Hours
MATH	311	Introduction to Probability Theory	3
STAT	222	Concepts of Statistics	3
STAT	300	Data Science and Applied Statistics	3
STAT	302	Introduction to Statistical Inference	3
STAT	333	Mathematical Statistics	3
STAT	400	Statistical Methods	3
STAT	399 or 451	Internship in Statistics or Senior Data Science Project	3
STAT		Other STAT courses 300 and above	<u>6</u>
Total Hours Required			39

ENVIRONMENTAL SCIENCE MAJOR

The environmental science major is an interdisciplinary program for students wishing to pursue careers in natural resources. LC students prepare to become foresters, wildlife or aquatic ecologists, hydrologists, geologists, meteorologists, and GIS technicians. Potential employers include government agencies, commercial environmental laboratories, private consulting firms, and teaching institutions. Graduate studies are also possible.

A key component of the environmental science program is the opportunity to work closely with professors, as well as with professionals from the community. Diverse learning opportunities are available in the classroom, the laboratory, and in the field. Our students develop critical thinking and sound scientific reasoning abilities, as well as a general awareness of the physical and biological factors at work in the environment. Additionally, they engage in a research or intern project that integrates training into an analysis of an environmental problem.

BIOL	321W	General Ecology	4
CHEM	111	Fundamentals of Chemistry I	4
ENVS	101-101L	Earth and Environmental Science I and Lab	4
ENVS	102-102L	Earth and Environmental Science II and Lab	4
ENVS	201W	History of Earth and Life	4
ENVS	380	Geographic Information Systems (GIS)	4
ENVS	490	Environmental Science Seminar	1
MATH	103	Calculus I	3
STAT	222	Concepts of Statistics	3
One of the following:			4
CHEM	112	Fundamentals of Chemistry II	
CHEM	206	Environmental Chemistry	
One of the following:			3
ENVS	238	Introduction to Research	
ENVS	377	Study Abroad	
ENVS	399	Internship in Environmental Science	
ENVS	428	Individual Research in Environmental Science	
Electives:			12
ENVS	321	Conservation Ecology	
ENVS	324	Sustainable Forest Management	
ENVS	331	Principles of Hydrology	
ENVS	333	Physical Oceanography	
ENVS	336	Physical Geology	
ENVS	337	Historical Geology	
ENVS	338	Environmental Geology	
ENVS	340	Remote Sensing	
ENVS	345	Meteorology	
ENVS	347	Climatology	
ENVS	365	Wetlands	
ENVS	375	Freshwater Ecology	

			Hours
Additional Electives:			10
BIOL	205W	Plant Biology	
BIOL	210	Animal Biology	
BIOL	233	Tropical Biology	
BIOL		Other BIOL courses 300 and above, excluding 399 and 428	
CHEM	206	Environmental Chemistry (if CHEM 112 is taken)	
CHEM	221	Organic Chemistry I	
ENST		Other ENST courses 300 and above, excluding 399 and 428	
ENVS	211	Physical Geography	
ENVS		Other ENVS courses 300 and above	
PHYS	141	College Physics	
	or		
PHYS	161	Physics I	
PHYS	181	Solar System Astronomy	
<i>Total Hours Required</i>			60

ENVIRONMENTAL SCIENCE MINOR

Required courses:			
ENVS	101-101L	Earth and Environmental Science I and Lab	4
ENVS	102-102L	Earth and Environmental Science II and Lab	4
Electives:			10
ENVS	201W	History of Earth and Life	
ENVS	211	Physical Geography	
ENVS	321	Conservation Ecology	
ENVS	324	Sustainable Forest Management	
ENVS	331	Principles of Hydrology	
ENVS	333	Physical Oceanography	
ENVS	336	Physical Geology	
ENVS	337	Historical Geology	
ENVS	338	Environmental Geology	
ENVS	340	Remote Sensing	
ENVS	345	Meteorology	
ENVS	347	Climatology	
ENVS	365	Wetlands	
ENVS	375	Freshwater Ecology	
ENVS	380	Geographic Information Systems (GIS)	
<i>Total Hours Required</i>			18

ENVIRONMENTAL STUDIES MAJOR

The environmental studies curriculum encompasses natural sciences, social sciences, humanities, law and business, and includes interdisciplinary core courses, senior seminar, and electives. This major offers the opportunity to build on efforts at the University of Lynchburg to develop connections between disciplines (via learning communities) and to promote critical thinking skills. Successful completion of an environmental studies major opens up to students a wide variety of career and public service options related to environmental protection, conservation, and sustainable growth. Students would also emerge well-prepared for the critical thinking demands of graduate or professional programs in a variety of fields, including law, political science, economics, and sociology.

ENST	210W	People and the Environment	3
ENST	480	Capstone Course in Environmental Studies	3
ENVS	101-101L	Earth and Environmental Science I and Lab	4
ENVS	102-102L	Earth and Environmental Science II and Lab	4
ENVS		Other ENVS courses 300 and above excluding 399 and 428	4

			Hours
Two of the following:			8
ENST	350	Environmental Law and Policy	
ENST	360	Sustainable Living	
ENST	370	Environmental Management	
One of the following:			3
ENVS	211	Physical Geography	
INTL	213	World Regional Geography	
One of the following:			3-4
PSYC	274	Statistics for Psychologists	
SOCI	280	Statistics for Sociologists	
STAT	222	Concepts of Statistics	
One of the following:			3
ENST	238	Introduction to Research	
ENST	377	Study Abroad	
ENST	399	Internship in Environmental Studies	
Electives (must come from at least two different subject areas):			15
COMM	338W	Environmental Communication	
ECON	255	Environmental Economics	
ENGL	209W	Nature Writing	
ENST		Other ENST courses 300 and above	
ENVS		Up to 1 ENVS course excluding 238, 399, 428	
H P	221W	Global Health	
HIST	256	America Since 1877	
HIST	301	Rise of the American City	
HIST	336	American Social History	
PHIL	225	Environmental Ethics	
POLI	220	The American Political Experience	
POLI	258	State and Local Government and Politics	
POLI	290	American Public Policy	
POLI	301	Developing World	
SOCI	202	Sociology of Social Problems	
SOCI	203	Culture, Identity, and Consumption	
SOCI	209	Applied Sociology	
SOCI	264	Social Inequality and Opression	
SOCI	363	Urban Sociology	
<i>Total Hours Required</i>			<u>50-51</u>

It is highly recommended that each environmental studies major have a supporting area, some examples of which are an economics minor, political science minor, international studies minor, sociology minor, history minor, etc.

ENVIRONMENTAL STUDIES MINOR

ENST	210W	People and the Environment	3
ENVS	101-101L	Earth and Environmental Science I and Lab	4
ENVS	102-102L	Earth and Environmental Science II and Lab	4
Choose from:			4
ENST	350	Environmental Law and Policy	
ENST	360	Sustainable Living	
ENST	370	Environmental Management	
Elective:			3
COMM	338W	Environmental Communication	

ECON	255	Environmental Economics	Hours
ENGL	209W	Nature Writing	
ENST		Other ENST courses 300 and above, excluding 399 and 428	
H P	221W	Global Health	
HIST	256	America Since 1877	
HIST	301	Rise of the American City	
PHIL	225	Environmental Ethics	
POLI	220	The American Political Experience	
POLI	258	State and Local Government and Politics	
POLI	301	Developing World	
SOCI	202	Sociology of Social Problems	
SOCI	203	Culture, Identity, and Consumption	
SOCI	209	Applied Sociology	
SOCI	264	Social Inequality and Oppression	
<i>Total Hours Required</i>			<u>18</u>

INFORMATION TECHNOLOGY MAJOR

C S	131	Introduction to Programming	3
C S	335	Computer Networks	3
C S	370	Database Management Systems	3
C S	385	Internet Programming	3
ENGL	210	Writing in the Workplace	3
I T	101	IT Fundamentals	3
I T	132	Programming Fundamentals for IT	4
I T	201	System Administration and Maintenance	3
I T	225	Fundamentals of Human Computer Interaction	3
I T	331	Integrative Programming	3
I T	332	System Integration and Architecture	3
I T	390	Information Assurance and Security I	3
I T	391	Information Assurance and Security II	3
I T	451	IT Capstone	3
		Any WE course	<u>3</u>
<i>Total Hours Required</i>			46

MATHEMATICS MAJOR

The mathematics major seeks to support the University mission by maintaining a strong commitment to the importance of the liberal arts. Since four of the seven original liberal arts (arithmetic, geometry, astronomy, and logic) were mathematical in nature, mathematics has always played an important role in the study of the liberal arts. When properly presented, a mathematics course encompasses the principles of a liberal arts education using logic, numerical concepts, algebraic and geometric principles, mathematical modeling, and sequential development.

Courses in mathematics are offered for the non-major, as well as for the student who plans to major in mathematics. The curriculum is designed to serve the interests and needs of several groups of students, particularly:

1. Those who seek a major in mathematics as background for graduate school or employment (bachelor of science or bachelor of arts);
2. Those who intend to apply mathematics in other disciplines such as the physical sciences, the life sciences, or business and industry;
3. Prospective teachers of mathematics at the elementary or secondary school levels;
4. Those who seek fulfillment of a degree requirement;
5. Those who seek fulfillment of a teaching certificate requirement; and
6. Those who enjoy the stimulation and satisfaction derived from the study of mathematics.

Freshmen who are interested in mathematics as a major usually take MATH 103-104; however, appropriate advanced placement is possible.

C S	131	Fundamentals of Programming in Basic	3
MATH	103-104	Calculus I, II	6
MATH	211	Calculus III	3
MATH	260W	Mathematical Reasoning and Proof	3

			Hours
MATH	301	Differential Equations	3
MATH	307	Linear Algebra	3
MATH	399	Internship in Mathematics	
	or		
MATH	451	Senior Project	3
MATH	405	Abstract Algebra	3
MATH	407	Advanced Calculus	3
MATH		Other MATH courses 300 and above	<u>9</u>
		<i>Total Hours Required</i>	39

MATHEMATICS MINOR

MATH	103-104	Calculus I, II	6
MATH	211	Calculus III	3
MATH	307	Linear Algebra	3
MATH		Other MATH courses 250 and above	<u>6</u>
		<i>Total Hours Required</i>	18

PHYSICS MAJOR

The physics major is designed to provide solid preparation for technical employment or for graduate study in physics. The major will also prepare prospective secondary teachers to teach physics and will provide a suitable path for local students who want to complete a four-year technical degree, but who cannot leave local employment to do so. In addition, the physics major provides an ideal path for students interested in pursuing careers in various types of engineering.

The mission of the program is to provide:

1. Through support of the University's General Education Program, an introduction to the history, thought, and techniques, that distinguish physics as a discipline central to the sciences;
2. Physics curricula that thoroughly ground participating students in the core competencies expected of physics graduates; and
3. Physics curricula that stress the ability to read, calculate, write, and speak effectively about specific physics topics.

Students completing the B.S. major in physics will:

1. Demonstrate conceptual knowledge in the core physics courses outlined below;
2. Demonstrate competence in the application of the methods, techniques, and equipment used in the physical laboratories;
3. Demonstrate knowledge of research methodology in the physical sciences, including the use of appropriate research literature;
4. Demonstrate competence to apply basic concepts to solve physics problems, including those which require mathematics through differential equations; and
5. Obtain information on a general or specialized topic within the physical science disciplines and communicate that information orally and in writing.

MATH	103	Calculus I	3
MATH	104	Calculus II	3
MATH	211	Calculus III	3
MATH	301	Differential Equations	3
PHYS	161	Physics I	4
PHYS	162	Physics II	4
PHYS	211	Physics III	4
PHYS	302	Physics IV	4
PHYS	309	Classical Mechanics	4
PHYS	312	Electromagnetic Theory	4
PHYS	333W	Computational Physics	4
PHYS	355	Electronics	2
PHYS	397	Independent Study in Physics	4
PHYS		Other PHYS courses 300 and above (excluding PHYS 397)	<u>8</u>
		<i>Total Hours Required</i>	54

PHYSICS MINOR

MATH	103	Calculus I	3
MATH	104	Calculus II	3
MATH	211	Calculus III	3
MATH	301	Differential Equations	3
PHYS	161	Physics I	4
PHYS	162	Physics II	4
PHYS	211	Physics III	4
PHYS	302	Physics IV	<u>4</u>
<i>Total Hours Required</i>			28

PSYCHOLOGICAL SCIENCE MAJOR

Studies in the liberal arts provide the context in which psychology programs are conducted. The following are guiding principles for programs in psychology:

1. To provide the student with a well-rounded foundation based upon a theoretical and conceptual understanding of psychology as a science;
2. To introduce the student to the various research methodologies and techniques used within the discipline to gain an understanding of behavior;
3. To prepare the student for further graduate study in psychological science and related disciplines;
4. To prepare the student for careers in psychological science and related areas.

PSYC	103-104	General Psychology	6
PSYC	105L-106L	General Psychology Lab	2
PSYC	274	Statistics for Psychologists	4
PSYC	275W	Research Methodology	4
PSYC	355	Behavioral Neuroscience	4
PSYC	401	History and Systems of Psychology	3
PSYC	475W	Research Capstone I	3
PSYC	476W	Research Capstone II	2
Two of the following:			6
PSYC	306	Theories of Personality	
PSYC	308	Abnormal Behavior	
PSYC	392	Psychological Assessment	
Three of the following:			9
PSYC	302	Social Psychology	
PSYC	312	Learning and Behavior	
PSYC	341W	Psychology of Development	
PSYC	344	Cognitive Psychology	
One of the following:			1
PSYC	373	Advanced Methods: Clinical	
PSYC	374	Advanced Methods: Social	
PSYC	375	Advanced Methods: Developmental	
PSYC	376	Advanced Methods: Cognitive	
<i>Total Hours Required</i>			<u>44</u>

Students are encouraged to take other electives available in the program to best meet individual goals. Students wishing to pursue doctoral studies in psychological sciences are encouraged to consider one or more of the following: (1) PSYC 399 Internship, (2) PSYC 397 Independent Study, or (3) Honors in Psychology.

The student must work closely with an advisor in the program to select courses appropriate for his/her goals and interests.

PSYCHOLOGICAL SCIENCE MINOR

			Hours
PSYC	103-104	General Psychology	6
PSYC	105L-106L	General Psychology Laboratory	2
PSYC		Other PSYC courses 200 and above	<u>12</u>
		<i>Total Hours Required</i>	20

STATISTICS MINOR

MATH	103- 104	Calculus I, II	6
MATH	311	Introduction to Probability Theory	3
STAT	222	Concepts of Statistics	3
STAT	333	Mathematical Statistics	3
STAT		Other STAT courses 300 and above	<u>3</u>
		<i>Total Hours Required</i>	18

SCHOOL OF SOCIAL SCIENCES

Associate Dean: Dr. Sabita Manian

Communication Department Faculty: Dr. Jorgensen-Earp, Dr. Langett, Dr. Lewis, Mr. Noel, Dr. Robinson, Dr. Roux, Dr. Todd, Dr. Youra

Criminology Department Faculty: Dr. Klein, Dr. McCabe, Mr. Murphy, Mr. Smith, Dr. Wagner

International Relations/Political Science Department Faculty: Dr. L. Dawson, Dr. Freeman, Dr. Lang, Dr. Manian, Dr. Meinke, Dr. Payerhin, Dr. Richards

Sociology/Human Services Department Faculty: Dr. Foreman, Ms. Gross, Dr. McClure, Dr. Thompson, Dr. Walton

The School of Social Sciences is committed to providing curricular and co-curricular activities grounded in the liberal arts. The School also provides learning opportunities for students and faculty who seek a greater understanding of the social sciences. Students and faculty are active participants in the University's cultural environment.

Majors and Minors

Communication Studies Major - Communication and Social Influence Emphasis

Communication Studies Major - Convergent Journalism Emphasis

Communication Studies Major - Electronic Media Emphasis

Communication Studies Major - Public Relations Emphasis

Communication and Social Influence Minor

Convergent Journalism Minor

Criminal Forensics Minor

Criminology Major

Criminology Minor

Electronic Media Minor

Human Services Minor

International Relations and Security Studies Major

International Relations Minor

Law and Society Minor

Political Science Major

Political Science Minor

Popular Culture Minor

Public Relations/Journalism Minor

Sociology Major

Sociology Minor

COMMUNICATION STUDIES MAJOR

The communication studies major is designed for students who wish to pursue careers in any professional setting requiring proficiency in and understanding of communication. These careers include, but are not limited to, advertising executive, public relations officer, magazine editor, art/curator, administrator, human resources specialist, journalist, lawyer, fashion/retail manager, sales associate, sports announcer, news anchor, weather reporter, college student personnel, teacher, political analyst and campaign director, press secretary, television news director, and nonprofit organization director. All students follow a common core curriculum distributed over their four-year course of study. They also choose one of four emphases: Communication and Social Influence, Electronic Media, Public Relations, or Convergent Journalism for a total of forty-two credit hours. As part of their coursework, students participate regularly and actively in experiential learning including writing for the campus newspaper, producing programming for campus television, creating and presenting scholarly work at academic conferences, and engage in service learning, internships, and leadership opportunities.

COMMUNICATION STUDIES MAJOR—COMMUNICATION AND SOCIAL INFLUENCE EMPHASIS

Students selecting this emphasis are usually planning to enter careers where communication skills are essential, such as human resource manager, college admissions and enrollment specialist, sales associate, politician/political consultant, press secretary, art curator/administrator, fashion/retail merchandiser, lawyer, or teacher. Students will learn the theory and practice of effective communication by oral, written, and electronic means, with an emphasis on critical and analytical thought. Student work will be presented orally, electronically, in research papers, and special projects.

Core courses:

			Hours
COMM	112	Interpersonal Communication	3
COMM	171	Media and Culture	3

			Hours
COMM	201W	Media Writing I	3
COMM	230W	Persuasion	3
COMM	303W	Research Methods in Communication	3
COMM	401	Advanced Communication Theory and Senior Thesis	3
Communication and Social Influence courses:			
COMM	101	Argumentation and Practical Reasoning	3
COMM	228	Public Presentation	3
COMM	251	Intercultural Communication	3
COMM	301	Rhetorical Criticism	3
Nine hours from:			9
COMM	114	Small Group Communication	
COMM	232	Debate and Freedom of Speech	
COMM	316	American Public Address	
COMM	341	Professional and Organizational Communication	
COMM	350	Political Communication	
COMM	405	Communication Law and Ethics	
COMM	412	Communication and Leadership	
Three hours from:			3
COMM	232	Debate and Freedom of Speech	
COMM	275	Visual Rhetoric	
COMM	322	Advanced Reporting and Writing	
COMM	338W	Environmental Communication	
COMM	377	Study Abroad	
COMM	397	Independent Study in Communication	
COMM	398	Special Topics in Communication	
COMM	399	Internship in Communication	
COMM	411	Supervised Practicum - Critograph	
COMM	477	Senior Project	
COMM	480	Advanced Stage and Studio Television	
COMM	499	Donovan Media Development Center Practicum	
<i>Total Hours Required</i>			<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 42

COMMUNICATION STUDIES MAJOR-CONVERGENT JOURNALISM EMPHASIS

In today's digital age, journalism has been reinvented to appeal to an interactive global community. Traditional news systems are in need of ingenuity in an ever-changing world of technology. This emphasis prepares future journalists for diverse careers in television, radio, the web and mobile technologies with a combination of traditional writing tools and audio and video production skills. Convergent Journalism students learn the art of digital storytelling while working with the latest cameras and editing technologies.

Core courses:

COMM	112	Interpersonal Communication	3
COMM	171	Media and Culture	3
COMM	201W	Media Writing I	3
COMM	230W	Persuasion	3
COMM	303W	Research Methods in Communication	3
COMM	401	Advanced Communication Theory and Senior Thesis	3

Convergent Journalism courses:

COMM	104	Introduction to Media Technology	3
COMM	202	Media Writing II	3
COMM	301	Rhetorical Criticism	3
COMM	381	Convergence Media: Storytelling in an Internet World	3
COMM	405	Communication Law and Ethics	3
COMM	450	Producing and Editing Across Media	3

		Hours
Three hours from:		3
COMM 180	Stage and Studio Television	
COMM 322	Advanced Reporting and Writing	
COMM 372	Media Criticism	
COMM 382	Documentary Design and Production	
COMM 395	Cultural Impact of Popular Media	
COMM 480	Advanced Stage and Studio Television	
Three hours from:		3
COMM 232	Debate and Freedom of Speech	
COMM 275	Visual Rhetoric	
COMM 338W	Environmental Communication	
COMM 377	Study Abroad	
COMM 397	Independent Study in Communication	
COMM 399	Internship in Communication	
COMM 411	Supervised Practicum - Critograph	
COMM 477	Senior Project	
COMM 499	Donovan Media Development Center Practicum	
	<i>Total Hours Required</i>	<u>42</u>

COMMUNICATION STUDIES MAJOR—ELECTRONIC MEDIA EMPHASIS

Students selecting this emphasis are usually planning careers in media writing and production. Students will learn how to write for the print and electronic media, including the internet and multimedia, and how to use various electronic tools to communicate effectively. Student work will be presented in the campus newspaper, campus cable television, website, and a variety of client-oriented media products such as slide presentations, and DVDs.

Core courses:		
COMM 112	Interpersonal Communication	3
COMM 171	Media and Culture	3
COMM 201W	Media Writing I	3
COMM 230W	Persuasion	3
COMM 303W	Research Methods in Communication	3
COMM 401	Advanced Communication Theory and Senior Thesis	3
Electronic Media courses:		
COMM 104	Introduction to Media Technology	3
COMM 206	Advertising and Production Design	3
COMM 372	Media Criticism	3
COMM 405	Communication Law and Ethics	3
COMM 485	Producing and Directing for Electronic Media	3
Six hours from:		6
COMM 180	Stage and Studio Television	
COMM 304	Digital Editing and Motion Graphics	
COMM 381	Convergence Media: Storytelling in an Internet World	
COMM 382	Documentary Design and Production	
COMM 394	Culture Industries, Audiences, and the Superhero	
COMM 395	Cultural Impact of Popular Media	
COMM 404	Advanced Digital Editing and Motion Graphics	
COMM 480	Advanced Stage and Studio Television	
Three hours from:		3
COMM 232	Debate and Freedom of Speech	
COMM 275	Visual Rhetoric	
COMM 322	Advanced Reporting and Writing	
COMM 377	Study Abroad	
COMM 381	Convergence Media: Storytelling in an Internet World	

COMM	382	Documentary Design and Production	Hours
COMM	397	Independent Study in Communication	
COMM	398	Special Topics in Communication	
COMM	399	Internship in Communication	
COMM	411	Supervised Practicum - Critograph	
COMM	477	Senior Project	
COMM	480	Advanced Stage and Studio Television	
COMM	499	Donovan Media Development Center Practicum	
		<i>Total Hours Required</i>	<hr/> 42

COMMUNICATION STUDIES MAJOR—PUBLIC RELATIONS EMPHASIS

Students selecting this emphasis are usually planning to enter careers as public relations specialists, public relations managers, events planners, lobbyists, or non-profit managers. Students will learn how to develop, design, implement and evaluate campaigns that create mutually beneficial relationships between an organization and its public. An in-depth understanding of adapting messages to audiences in order to successfully attain organizational goals will be developed and mastered. Students will also engage in projects that allow faculty to evaluate their effectiveness as communicators.

Core courses:

COMM	112	Interpersonal Communication	3
COMM	171	Media and Culture	3
COMM	201W	Media Writing I	3
COMM	230W	Persuasion	3
COMM	303W	Research Methods in Communication	3
COMM	401	Advanced Communication Theory and Senior Thesis	3

Public Relations/Journalism courses:

COMM	260	Introduction to Public Relations	3
COMM	302	Strategic Public Relations Writing	3
COMM	372	Media Criticism	3
COMM	405	Communication Law and Ethics	3
COMM	440	Public Relations Media and Campaigns	3

Six hours from:

COMM	104	Introduction to Media Technology	6
COMM	341	Professional and Organizational Communication	
COMM	362	Crisis Communication	
COMM	381	Convergence Media: Storytelling in an Internet World	
COMM	394	Culture Industries, Audiences, and the Superhero	

Three hours from:

COMM	232	Debate and Freedom of Speech	3
COMM	275	Visual Rhetoric	
COMM	322	Advanced Reporting and Writing	
COMM	338W	Environmental Communication	
COMM	377	Study Abroad	
COMM	381	Convergence Media: Storytelling in an Internet World	
COMM	382	Documentary Design and Production	
COMM	397	Independent Study in Communication	
COMM	398	Special Topics in Communication	
COMM	399	Internship in Communication	
COMM	411	Supervised Practicum - Critograph	
COMM	477	Senior Project	
COMM	480	Advanced Stage and Studio Television	
COMM	499	Donovan Media Development Center Practicum	

Total Hours Required

42

COMMUNICATION AND SOCIAL INFLUENCE MINOR

Core courses:			Hours
COMM	112	Interpersonal Communication	3
COMM	171	Media and Culture	3
COMM	230W	Persuasion	3
Nine hours from:			9
COMM	114	Small Group Communication	
COMM	228	Public Presentation	
COMM	232	Debate and Freedom of Speech	
COMM	251	Intercultural Communication	
COMM	260	Introduction to Public Relations	
COMM	301	Rhetorical Criticism	
COMM	316	American Public Address	
COMM	338W	Environmental Communication	
COMM	341	Professional and Organizational Communication	
COMM	350	Political Communication	
COMM	377	Study Abroad	
COMM	398	Special Topics in Communication	
COMM	405	Communication Law and Ethics	
<i>Total Hours Required</i>			<hr/> 18

CONVERGENT JOURNALISM MINOR

Core Courses:			
COMM	104	Introduction to Media Technology	3
COMM	171	Media and Culture	3
COMM	201W	Media Writing I	3
Nine hours from:			9
COMM	180	Stage and Studio Television	
COMM	202	Media Writing II	
COMM	322	Advanced Reporting and Writing	
COMM	338W	Environmental Communication	
COMM	377	Study Abroad	
COMM	381	Convergence Media: Storytelling in an Internet World	
COMM	382	Documentary Design and Production	
COMM	405	Communication Law and Ethics	
COMM	411	Supervised Practicum - Critograph	
COMM	450	Producing and Editing Across Media	
<i>Total Hours Required</i>			<hr/> 18

CRIMINAL FORENSICS MINOR

A student who completes a minor in criminal forensics will gain an understanding of and a basic foundation on the overlapping aspects of criminology and science. Students in this minor will work to combine science and theory as applied to crime, crime analysis, and the criminal justice process.

Core courses:			
CRIM	241	Criminology	3
CRIM	320	Victimology	3
CRIM	321	Child Abuse and Exploitation	3
One from the following:			3
ACCT	370	Fraud and White Collar Crime	
BUAD	243	Data Mining	
CRIM	255	Crime Scene Investigation	
H P	340	Women's Health Issues	
NRSB	232/232L	Health Assessment	
PSYC	263	Psychology of Law	

			Hours
One from the following:			3-4
ACCT	470	Forensic Accounting	
BIOM	312	Forensic Science	
CRIM	401	Medical Forensics	
<i>Total Hours Required</i>			<hr/> 15-16

CRIMINOLOGY MAJOR

The criminology major is designed for students interested in careers within the U.S. criminal justice system and international justice systems. A student who chooses to major in criminology will be provided a general understanding of the dynamics within justice systems both nationally and internationally. This interdisciplinary program, which emphasizes quantitative approaches to studying crime and the systems of punishment, will provide majors with the background required for employment within governmental organizations.

Specific goals are:

1. to provide students a theoretical foundation and a working knowledge of the U.S. criminal justice system;
2. to provide students a foundation for studying international policy, practice, and issues of global concern; and
3. to provide students the background for quantitative analysis of crime data.

Core courses:

CRIM	241	Criminology	3
CRIM	244	Criminal Justice Process	3
CRIM	275	Research Methods	3
CRIM	301	Comparative Criminal Justice	3
CRIM	372W	Quantitative Methodology	3
CRIM	430W	Senior Research Capstone	3
HIST	203	Crime and Punishment in America	3
PHIL	204	Introduction to Ethics	3

Two from the following:

CRIM	211	Law and Society	6
CRIM	243	Juvenile Delinquency	
CRIM	245	Women and Crime	
CRIM	250	Police and Society	
CRIM	285	Criminal Law	
CRIM	320	Victimology	
CRIM	321	Child Abuse and Exploitation	
CRIM	398	Special Topics in Criminology	
INTL	280	Security Studies in a Global Context	
POLI	303	Terrorism and Revolution	
SOCI	256	Deviance, Crime, and Social Control	

One from the following:

CRIM	377	Study Abroad	3
CRIM	397	Independent Study in Criminology	
CRIM	399	Internship in Criminology	

Total Hours Required

33

CRIMINOLOGY MINOR

A student who completes a minor in criminology will gain understanding of the principles and processes involved in explaining and addressing criminal behavior. In addition, the student will be exposed to a coordinated academic program of study that addresses criminal justice issues from a multidisciplinary, social science perspective.

			Hours
CRIM	241	Criminology	3
CRIM	243	Juvenile Delinquency	3
CRIM	244	Criminal Justice Process	3
Six hours from:			6
CRIM		Other CRIM courses 200 and above	6
<i>Total hours required</i>			<u>15</u>

ELECTRONIC MEDIA MINOR

COMM	104	Introduction to Media Technology	3
COMM	171	Media and Culture	3
COMM	201W	Media Writing I	3
COMM	206	Advertising and Production Design	3
Six hours from:			6
COMM	180	Stage and Studio Television	
COMM	304	Digital Editing and Motion Graphics	
COMM	377	Study Abroad	
COMM	381	Convergence Media: Storytelling in an Internet World	
COMM	382	Documentary Design and Production	
COMM	405	Communication Law and Ethics	
COMM	499	Donovan Media Development Center Practicum	
<i>Total Hours Required</i>			<u>18</u>

HUMAN SERVICES MINOR

Core Courses:			
HMSV	201	Introduction to Human Services	3
HMSV	268	Social Welfare Policy	3
HMSV	375	Evidence-Based Practice and Evaluation	3
Human Services Elective:			3
HMSV		Any HMSV course 200 and above	
Electives:			3
CRIM	245	Women and Crime	
CRIM	320	Victimology	
CRIM	321	Child Abuse and Exploitation	
ENST	210	People and the Environment	
HP	340	Women's Health Issues	
POLI	290	American Public Policy	
PSYC	241	Developmental Psychology	
SOCI	209	Applied Sociology	
SOCI	222	Sociology of Race and Ethnicity	
SOCI	231	Marriage and the Family	
SOCI	264	Social Inequality and Oppression	
<i>Total Hours Required</i>			<u>15</u>

INTERNATIONAL RELATIONS AND SECURITY STUDIES MAJOR

International relations and security studies is an interdisciplinary major that prepares students to participate actively in the international community. The core courses required of all majors provide a general understanding of the history and structure of the current international system. The program also emphasizes the development of analytical techniques, critical thinking skills, and an appreciation of the complexities of the world's divergent political, economic, and cultural systems. In addition to the core courses, the student chooses a geographical area of concentration from the developed world, Latin America, Africa, or Asia.

Nine designated hours of courses meet General Education requirements. Because of the importance of foreign languages to anyone working in the international arena, majors are expected to establish a minimum competency at the 202 level in a modern foreign language. International relations majors are also strongly encouraged to include a semester abroad in the country of their foreign language competency as part of their program.

Core Courses:			Hours
INTL	101	Global Politics	3
INTL	270	International Relations Theory	3
INTL	321W	Research Methods in International Relations	3
INTL	400W	Senior Thesis in International Relations	3
POLI	207	Comparative Politics	3
POLI	301	Developing World	3
One of the following:			3
INTL	377	Study Abroad	
INTL	399	Internship in International Relations	
POLI	377	Study Abroad	
Foreign Language (one of the following):			3
FREN	202	Intermediate French	
	GRMN	202 Intermediate German	
SPAN	202	Intermediate Spanish	
SPAN	206	Spanish for International and Criminal Law	
Students may complete the foreign language requirement in a foreign language not offered on campus via placement testing, courses taken through the Tri-College Consortium, or a 202 level foreign language course taken through a study abroad program.			
Economics course:			3
ECON	201	Principles of Economics - Micro	
One of the following:			3
ECON	308	International Economic Policy	
INTL	290	Introduction to International Political Economy	
Geographical area of concentration:			9
(all three courses must come from one of the two geographical areas)			
Developed World			
HIST	322	Europe Since 1914	
HIST	370	The U.S. and the World	
INTL	280	Security Studies in a Global Context	
POLI	283	European Union Politics	
POLI	296	Russia and the European Neighborhood	
POLI	372W	United States Foreign Policy	
Global South			
HIST	243	Contemporary Africa	
HIST	275	Latin American History	
HIST	343	South African History	
POLI	260	Honor and Terror Politics: South Asia	
POLI	265	Growling Tigers, Fiery Dragons: The Asia Pacific	
POLI	275	Latin American Politics	

POLI	375	U.S.-Latin American Relations	Hours
RELG	303	Seminar in Religions of Asia	
RELG	304W	Seminar in Islam	
SPAN	340	The Culture and Civilization of Spanish America	
Electives:			3
INTL	213	World Regional Geography	
INTL	398	Special Topics in International Relations	
INTL	399	Internship in International Relations	
POLI	303	Terrorism and Revolution	
POLI	304	International Organization and World Politics	
POLI	306	Comparative Foreign Policy	
POLI	331	National Model United Nations I	
POLI	398	Special Topics in Political Science	
<i>Total Hours Required</i>			<hr/> 42

INTERNATIONAL RELATIONS MINOR

INTL	101	Global Politics	3
INTL	270	International Relations Theory	3
POLI	301	Developing World	3
Three of the following:			9
HIST	243	Contemporary Africa	
HIST	275	Latin American History	
HIST	306	Great Britain Since 1714	
HIST	322	Europe Since 1914	
HIST	343	South African History	
INTL	280	Security Studies in a Global Context	
INTL	377	Study Abroad	
INTL	398	Special Topics in International Relations	
POLI	207	Comparative Politics	
POLI	260	Honor and Terror Politics: South Asia	
POLI	265	Growling Tigers, Fiery Dragons: The Asia Pacific	
POLI	275	Latin American Politics	
POLI	283	European Union Politics	
POLI	296	Russia and the European Neighborhood	
POLI	303	Terrorism and Revolution	
POLI	304	International Organization and World Politics	
POLI	306	Comparative Foreign Policy	
POLI	331	National Model United Nations I	
POLI	372W	United States Foreign Policy	
POLI	375	U.S. – Latin American Relations	
POLI	398	Special Topics in Political Science	
RELG	303W	Seminar in Religions of Asia	
RELG	304W	Seminar in Islam	
SPAN	340	The Culture and Civilization of Spanish America	
<i>Total Hours Required</i>			<hr/> 18

LAW AND SOCIETY MINOR

Core courses:			12
CRIM	211	Law and Society	
SOCI	201	Introduction to Sociology	
SOCI	256	Deviance, Crime and Social Control	
SOCI	277	Social Research Methods and Statistics	

			Hours
One from the following:			3
HIST	203	Crime and Punishment in America	
PHIL	315W	Philosophy of Law	
POLI	325	Constitutional Law in the United States I	
POLI	326	Constitutional Law in the United States II	
PSYC	263	Psychology of Law	
SOCI	267	Family Violence: A Sociological Perspective	
<i>Total Hours Required</i>			<u>15</u>

POLITICAL SCIENCE MAJOR

The political science major has four basic objectives: to explore the nature of politics—its purposes, limitations, and significance; to promote understanding of the various forms of political regimes and movements; to examine current trends and persistent patterns in the relations of nation-states; and to develop a capacity for intelligent evaluation of public policies and an awareness of opposing points of view. Throughout, the major emphasizes moral questions in politics and the place of fundamental ideas about human nature, justice, and the purposes of government.

Introductory sequence:			6
POLI	111-112	The Quest for Justice I, II	
Upper-level courses:			
POLI	220	The American Political Experience	3
POLI	321W	Political Science Research Methods	3
POLI	410W	Senior Thesis Seminar	3
American politics:			6
POLI	221	American Political Culture	
POLI	257	Campaigns, Elections, and Propaganda	
POLI	258	State and Local Government and Politics	
POLI	259	Power, the State, and Bureaucracy	
POLI	290	American Public Policy	
POLI	311	The American Presidency	
POLI	312	Money and Power: Congress and Interest Groups	
POLI	325	Constitutional Law in the United States I	
POLI	326	Constitutional Law in the United States II	
Political philosophy:			3
POLI	253	Classical Political Thought	
POLI	254	Modern Political Thought	
POLI	362	Recent Political Thought	
Comparative politics:			3
POLI	207	Comparative Politics	
POLI	260	Honor and Terror Politics: South Asia	
POLI	265	Growling Tigers, Fiery Dragons: The Asia Pacific	
POLI	275	Latin American Politics	
POLI	283	European Union Politics	
POLI	296	Russia and the European Neighborhood	
POLI	301	Developing World	
POLI	303	Terrorism and Revolution	
International relations and foreign policy:			3
INTL	270	International Relations Theory	
POLI	304	International Organization and World Politics	
POLI	306	Comparative Foreign Policy	
POLI	331	National Model United Nations I	
POLI	372W	United States Foreign Policy	
POLI	375	U.S. - Latin American Relations	
POLI		Other POLI courses not listed above	<u>6</u>
<i>Total Hours Required</i>			36

The major should be declared by the second semester of the student’s sophomore year. In cooperation with the School of Education, Leadership, and Counseling, the political science major offers a program that will certify graduates to teach government in the public schools.

Teacher Licensure

A student interested in teaching government in the public schools must identify himself/herself to the Political Science and Teacher Preparation Programs in his/her sophomore year.

Students seeking teacher licensure in history and social science must:

1. major in political science;
2. complete eighteen semester hours of history including American history, Virginia history, English history, and world history;
3. six semester hours in economics; and
4. six semester hours in geography (ENVS 211, INTL 213);
5. contact the School of Education, Leadership, and Counseling licensure office for an advisor;
6. minor in Secondary Education—see program requirements in the School of Education, Leadership, and Counseling section

POLITICAL SCIENCE MINOR

			Hours
POLI	111-112	The Quest for Justice	6
POLI	220	The American Political Experience	3
POLI		Other POLI courses 200 and above	<u>9</u>
<i>Total Hours Required</i>			18

POPULAR CULTURE MINOR

Students pursuing this interdisciplinary minor will develop the aesthetic and theoretical skills needed to understand the pervasive role of popular culture in contemporary life. As popular culture is both a commercial commodity and a creation of the people, this minor focuses on the production and interpretation of meaning in popular culture.

Required courses:

COMM	171	Media and Culture	3
COMM	372	Media Criticism	3
SOCI	201	Introduction to Sociology	3
SOCI	203	Culture, Identity, and Consumption	3

Six hours from:

ART	340	20th Century Art and Contemporary Issues	6
COMM	229	Introduction to Film	
COMM	275	Visual Rhetoric	
COMM	394	Culture Industries, Audiences, and the Superhero	
COMM	395	Cultural Impact of Popular Media	
MST	201	Curatorial Practices	
MUSC	215	Jazz and the Origins of Rock Music	
SOCI	233	Music, Culture, and Representation	
SOCI	253	Globalization and Cinema	
SOCI	339	Sociology of the South	
SOCI	374	Fieldwork	
SPMG	300	Sport in American Society	
SPMG	350	Gender and Sport: Issues and Controversies	
THEA	212W	Theatre History and Literature II	

Total Hours Required

18

PUBLIC RELATIONS / JOURNALISM MINOR

			Hours
COMM	171	Media and Culture	3
COMM	201W	Media Writing I	3
COMM	260	Introduction to Public Relations	3
Nine hours from:			9
COMM	104	Introduction to Media Technology	
COMM	202	Media Writing II	
COMM	322	Advanced Reporting and Writing	
COMM	338W	Environmental Communication	
COMM	341	Professional and Organizational Communication	
COMM	350	Political Communication	
COMM	362	Crisis Communication	
COMM	377	Study Abroad	
COMM	382	Documentary Design and Production	
COMM	405	Communication Law and Ethics	
COMM	440	Public Relations Media and Campaigns	
<i>Total Hours Required</i>			<hr style="width: 100%; border: 0.5px solid black; margin-bottom: 5px;"/> 18

SOCIOLOGY MAJOR

Students who major or minor in sociology will increase their knowledge of social processes, social behavior, and social institutions. Sociology involves the investigation of a number of key areas of social life, and examines their interrelatedness. Students completing the sociology major will be equipped with a body of knowledge and set of skills that are critical for twenty-first century employment and/or graduate studies in a variety of academic and professional fields such as criminal justice, cultural studies, gerontology, law, market research, media, public policy, and social services.

Students in the sociology major take five core courses; select one course from within each of the three focus areas; and select three sociology elective courses (200 level and above). Students in the sociology minor take three core courses, and select three sociology elective courses (200 level and above). Students are encouraged to seek direction from a sociology faculty member to select the focus area courses and the elective courses that fit their specific scholarly interests and career aspirations.

Sociology core courses:

SOCI	201	Introduction to Sociology	3
SOCI	277	Social Research Methods and Statistics	3
SOCI	358W	Sociological Theory	3
SOCI	374	Fieldwork	3
SOCI	430W	Senior Research Capstone	3

Cultural Studies:

SOCI	203	Culture, Identity, and Consumption	3
SOCI	214	Religion, Symbols, and Culture	
SOCI	233	Music, Culture, and Representation	
SOCI	253	Globalization and Cinema	
SOCI	339	Sociology of the South	

Individuals, Families, and Society:

SOCI	231	Marriage and the Family	3
SOCI	245	The Individual in Society	
SOCI	256	Deviance, Crime, and Social Control	
SOCI	267	Family Violence: A Sociological Perspective	
SOCI	363	Sociology of the City	

Inequality, Diversity, and Social Change:

SOCI	202	Social Problems	3
SOCI	209	Applied Sociology	
SOCI	222	Sociology of Race and Ethnicity	
SOCI	247	Gender and Society	
SOCI	264	Social Inequality and Oppression	

		Hours
Electives:		
SOCI	Other SOCI course 200 and above	<u>9</u>
<i>Total Hours Required</i>		33

SOCIOLOGY MINOR

SOCI	201	Introduction to Sociology	3
SOCI	277	Social Research Methods and Statistics	3
SOCI	358W	Sociological Theory	3
SOCI		Other SOCI courses 200 and above	<u>9</u>
<i>Total Hours Required</i>			18

SCHOOL OF VISUAL AND PERFORMING ARTS

Associate Dean: Dr. Oeida M. Hatcher

Art Department Faculty: Ms. Bryant, Ms. Byrns, Dr. Karalow, Mr. Pumphrey, Ms. Rhoads

Music Department Faculty: Mr. Craft, Dr. K. Dean, Dr. Magee, Dr. Ramsey, Dr. Scott, Dr. Sharp

Theatre Department Faculty: Mr. Otwell, Mr. Wittman, Ms. Wittman

The mission of the School of Visual and Performing Arts is to provide, through instructional and co-curricular programs, opportunities for students interested in fine arts professions. The school also provides opportunities for students who wish to participate in and acquire a greater understanding and appreciation of these fields. Faculty and students enrich the cultural environment of the University, Central Virginia, the Commonwealth, and beyond by making significant contributions in the disciplines of music, theatre, and the visual arts.

Major and Minors

Art Major- Graphic Design Emphasis	Music Minor
Art Major - Studio Art Emphasis	Music for Children Minor
Art History Minor	Music Media Minor
Digital Media Arts Minor	Music Performance Minor
Graphic Design Minor	Studio Art Minor
Music Major - Instrumental Performance Emphasis	Theatre Major - Design/Technical Emphasis
Music Major - Vocal Performance Emphasis	Theatre Major - General Emphasis
Music Education Major - Instrumental Education Emphasis	Theatre Major - Performance Emphasis
Music Education Major - Vocal Education Emphasis	Theatre Minor
	Web Design and Development Minor

ART MAJOR

The Art Department provides students with the study of both the principles and practices of studio art, graphic design, and art history such that the student experience in art is active, significant, and informed. Students studying art will develop an in-depth understanding of the visual arts and participate in focused creative work in order to prepare them for active and intelligent involvement in the creative life of our global culture.

Any student enrolled at the University may take introductory level studio art courses (100 level). Art history classes of any level can be taken without prerequisites, although ART 203-204W is recommended. Supply fees are charged for each studio course. Exhibitions of student work are held throughout the year at the instructor's discretion. Field trips and out-of-class events may be required for some classes. The art major usually requires six consecutive semesters in an emphasis. Students are advised to begin the course of study at the beginning of their freshman year, if possible, but no later than their sophomore year. All art majors must have an art advisor to help facilitate progress in the major. Successful completion of the portfolio review is required of all sophomore and new transfer art majors at the end of the fall semester for continuation in the major.

ART MAJOR–GRAPHIC DESIGN EMPHASIS

Students in the graphic design emphasis will learn techniques and theories of visual communication through the development of aesthetic awareness, cognitive thinking, and conceptual problem solving. Students will learn graphic design processes involving traditional media and computer-based technologies.

Core courses:			Hours
ART	125	Design Fundamentals I	3
ART	156	Drawing: Techniques and Traditions	3
ART	166	Photography I	3
ART	225	Design Fundamentals II	3
ART	340	20th Century Art and Contemporary Issues	3

			Hours
One of the following:			3
ART	203	Survey of Art History I	
ART	204W	Survey of Art History II	
Emphasis courses:			
ART	154	Graphics I: Process and Technique	3
ART	245	Web Design	3
ART	274	Graphics II: Methods and Practice	3
ART	275	Introduction to Animation	3
ART	285	Type and Visual Communication	3
ART	374	Graphics III: Innovation and Analysis	3
ART	407	Portfolio Preparation	2
ART	408	Graphic Design Senior Seminar	1
ART	409	Graphic Design Senior Capstone	3
One of the following:			3
ART	399	Internship in Art	
ART	480	Design Practicum	
Two of the following:			6
ART	122	3-D Forms and Space I	
ART	162	Painting: Techniques and Traditions	
ART	256	Drawing: Concepts and Innovations	
ART	267	Photojournalism	
ART	313	Advanced Digital Photography	
ART	316	Introduction to Printmaking	
ART	357	Figure Drawing	
ART	398	Special Topics in Art	
<i>Total Hours Required</i>			<hr style="width: 100%; border: 0.5px solid black; margin-bottom: 5px;"/> 51

ART MAJOR–STUDIO ART EMPHASIS

The studio art emphasis offers a broad approach to exploring the principles and practices of studio art making to develop the student's creative abilities while enlarging his or her visual and cultural perceptions. It also provides a foundation for those students who wish to pursue further formal training or to continue their development independently as artists.

Core courses:

ART	122	3-D Forms and Space I	3
ART	125	Design Fundamentals I	3
ART	156	Drawing: Techniques and Traditions	3
ART	162	Painting: Techniques and Traditions	3
ART	166	Photography I	3
ART	203-204W	Survey of Art History I, II	6
ART	225	Design Fundamentals II	3

Additional courses:

ART	256	Drawing: Concepts and Innovations	3
or			
ART	357	Figure Drawing	
ART	340	20th Century Art and Contemporary Issues	3
ART	402	Senior Studio Seminar: Context, Criticism, and Craft	3

Nine hours from:

ART	154	Graphics I: Process and Technique	9
ART	218	Ceramics II	
ART	222	3-D Forms and Space II	
ART	256	Drawing: Concepts and Innovations	
or			
ART	357	Figure Drawing	

ART	262	Painting: Illusion and Beyond	Hours
ART	266	Darkroom Photography	
ART	267	Photojournalism	
ART	275	Introduction to Animation	
ART	313	Advanced Digital Photography	
ART	316	Introduction to Printmaking	
ART	322	Advanced 3-D Forms and Space	
ART	356	Advanced Studio Studies: Drawing	
ART	357	Figure Drawing	
ART	362	Advanced Studio Studies: Painting	
ART	366	Alternative Process Photography	
ART	397	Independent Study in Art	
*ART	399	Internship in Art	
<i>Total Hours Required</i>			<u>42</u>

* Only three hours of internship can count towards the major.

The department strongly recommends that the student majoring in studio art pursue additional art history study. Other recommended electives beyond the studio art emphasis are COMM 104, 304, THEA 102, and 201. Students seeking teacher licensure in art (K-12) through the University of Lynchburg Teacher Preparation Program must be an art major with an emphasis in studio art. (See "Teacher Preparation Program" section.) Note ART 118/218, 122/222, 162/262, 262/362, and 266/366 are courses taught concurrently.

ART HISTORY MINOR

ART	203	Survey of Art History I	3
ART	204W	Survey of Art History II	3
Nine hours from:			9
ART	329	Art of Classical Antiquity	
ART	333	Renaissance Art	
ART	335	Toward a Modern World	
ART	339	History of Western Architecture	
ART	340	20th Century Art and Contemporary Issues	
<i>Total Hours Required</i>			<u>15</u>

DIGITAL MEDIA ARTS MINOR

ART	154	Graphics I: Process and Technique	3
ART	166	Photography I	3
ART	275	Introduction to Animation	3
COMM	104	Introduction to Media Technology	3
COMM	304	Digital Editing and Motion Graphics	3
COMM	404	Advanced Design Editing and Motion Graphics	<u>3</u>
<i>Total Hours Required</i>			18

GRAPHIC DESIGN MINOR

Students minoring in graphic design must demonstrate an appropriate skill level with computer software and hardware or fulfill listed prerequisites for each course in the minor.

ART	125	Design Fundamentals I	3
ART	154	Graphics I: Process and Technique	3
ART	156	Drawing: Techniques and Traditions	3
ART	274	Graphics II: Methods and Practice	3
ART	374	Graphics III: Innovation and Analysis	3

			Hours
One of the following:			3
ART	225	Design Fundamentals II	
ART	245	Web Design	
ART	267	Photojournalism	
ART	275	Introduction to Animation	
ART	285	Type and Visual Communication	
ART	313	Advanced Digital Photography	
ART	316	Introduction to Printmaking	
ART	398	Special Topics in Art	
ART	399	Internship in Art	
ART	480	Design Practicum	
<i>Total Hours Required</i>			<u>18</u>

MUSIC MAJOR

Within the liberal arts framework, both the music major and the music education major offer a Bachelor of Arts degree, intended for students who wish a broad education in music. In addition, the music education major (instrumental or vocal emphasis) is intended for students who wish to become music educators. Students are expected to have a high level of musical competence in performance of their major instrument.

Teacher Licensure in Music

Students who seek an endorsement in music education must complete the courses for a major in music education and take additional courses to meet teaching certification requirements. Students may prepare to teach PK-12 vocal/general music or PK-12 instrumental music. They either specialize in 1) instrumental music in which the student's primary performance medium is usually an orchestral instrument or 2) choral and general music in which the student's primary performance medium is voice or the student may opt to pursue both specializations. Many students choose electives in the specialization which is not their main focus so they can prepare to meet professional challenges.

Admission to the Music Major

Freshmen who express interest in majoring/minoring in music or music education should follow the appropriate music curriculum and receive advising from the Music department chair. Students apply for sophomore promotion (major standing jury) during their sophomore year of study. A successful sophomore promotion will result in admission to the music major.

Transfer students who enter the University of Lynchburg with sixty or more accepted credits must apply for promotion during their first semester at the University. Approval for major standing may be granted after that first semester or the music faculty may defer final action until the end of the student's second semester of study. With the exception of transfer students who enter the University of Lynchburg with sixty credits or more, no deferrals on major standing are given after the student has completed seventy credits.

Sophomore Promotion (Major Standing Jury)

Students majoring in music must successfully complete a qualifying review by the music faculty at the end of the sophomore year. Major standing juries for the Bachelor of Arts in music and music education occur after the final week of classes each semester.

The jury will consist of a performance on the student's major instrument. Several pieces should be fully prepared from which the jury can select two pieces to hear. The result of a major standing jury may be 1) approval, 2) deferral, or 3) denial.

MUSIC MAJOR-INSTRUMENTAL PERFORMANCE EMPHASIS

MUSC	102	World Music and Culture	3
MUSC	104	Introduction to Music Theory and Aural Skills	3
MUSC	105	Diatonic Harmony	3
MUSC	107	Intermediate Aural Skills	1
MUSC	108-109*	Piano Class I, II	2
MUSC	111	Music Technology	2
MUSC	204	Chromatic Harmony and Commercial Music	3
MUSC	206-207	Advanced Aural Skills I, II	2
MUSC	248	Beginning Choral and Instrumental Conducting	2

			Hours
MUSC	249	Rehearsing from the Podium	2
MUSC	302W-303	Music History and Literature I, II	6
MUSC	306W	Form and Post-Tonal Analysis	3
MUSC	351	Instrumental Pedagogy and Literature	3
MUSC	402W	Senior Seminar in Music Performance	2

* Piano Proficiency Exam may substitute for these courses.

Ensemble 8

Each music major is required to participate for credit in at least one of the music program ensembles each semester. A maximum of two ensembles may be taken for credit per semester.

Large Ensembles:

MUSC	018	Orchestra
MUSC	021	Wind Symphony

Small Ensembles:

MUSC	016	Percussion Ensemble
MUSC	017	Brass Ensemble
MUSC	019	Chamber Music Ensemble
MUSC	020	Jazz Ensemble
MUSC	023	Handbell Choir

Applied Music Lessons: 8

Students majoring in music are required to choose the category in applied music as their major instrument. It is expected they will register for one credit in this applied area each semester that they are in residence at the University.

MUSC	001	Piano
MUSC	002	Organ
MUSC	004	Woodwinds
MUSC	005	Brass
MUSC	006	Percussion
MUSC	007	Strings
MUSC	010	Guitar

Other requirements:

Concert Attendance - For details, consult the Music Undergraduate Handbook
Junior Recital

Total Hours Required

53

MUSIC MAJOR-VOCAL PERFORMANCE EMPHASIS

MUSC	102	World Music and Culture	3
MUSC	104	Introduction to Music Theory and Aural Skills	3
MUSC	105	Diatonic Harmony	3
MUSC	107	Intermediate Aural Skills	1
MUSC	108-109*	Piano Class I, II	2
MUSC	111	Music Technology	2
MUSC	204	Chromatic Harmony and Commercial Music	3
MUSC	206-207	Advanced Aural Skills I, II	2
MUSC	240-241	Diction for Singers I, II	2
MUSC	248	Beginning Choral and Instrumental Conducting	2
MUSC	249	Rehearsing from the Podium	2
MUSC	302W-303	Music History and Literature I, II	6
MUSC	306W	Form and Post-Tonal Analysis	3
MUSC	350	Vocal Pedagogy and Literature	3
MUSC	402W	Senior Seminar in Music Performance	2

* Piano Proficiency Exam may substitute for these courses.

			Hours
Ensemble			8
Each music major is required to participate for credit in at least one of the music program ensembles each semester for a total of eight semesters. A maximum of two ensembles may be taken for credit per semester.			
Large Ensembles:		Small Ensembles:	
MUSC 022	Concert Choir	MUSC 024	Chamber Choir
MUSC 025	Choral Union		
MUSC 003	Voice		8
It is expected that students will register for one credit in this applied area each semester that they are in residence at the University.			
Other requirements:			
Concert Attendance - For details, consult the Music Undergraduate Handbook			
Junior Recital			
<i>Total Hours Required</i>			55

MUSIC EDUCATION MAJOR-INSTRUMENTAL EDUCATION EMPHASIS

MUSC 102	World Music and Culture	3
MUSC 104	Introduction to Music Theory and Aural Skills	3
MUSC 105	Diatonic Harmony	3
MUSC 107	Intermediate Aural Skills	1
MUSC 108-109*	Piano Class I, II	2
MUSC 111	Music Technology	2
MUSC 204	Chromatic Harmony and Commercial Music	3
MUSC 206-207	Advanced Aural Skills I, II	2
MUSC 248	Beginning Choral and Instrumental Conducting	2
MUSC 249	Rehearsing from the Podium	2
MUSC 302W-303	Music History and Literature I, II	6
MUSC 306W	Form and Post-Tonal Analysis	3
MUSC 402W	Senior Seminar in Music Performance	2

* Piano Proficiency Exam may substitute for these courses.

Ensemble			8
Each music major is required to participate for credit in at least one of the music program ensembles each semester. Students must participate in at least six credits of a large ensemble and two credits of a small ensemble. A maximum of two ensembles may be taken for credit per semester.			

Large Ensembles:		Small Ensembles:	
MUSC 018	Orchestra	MUSC 016	Percussion Ensemble
MUSC 021	Wind Symphony	MUSC 017	Brass Ensemble
		MUSC 019	Chamber Music Ensemble
		MUSC 020	Jazz Ensemble
		MUSC 023	Handbell Choir

Applied Music Lessons:			8
Students majoring in music are required to choose the category in applied music as their major instrument. It is expected they will register for one credit in this applied area each semester that they are in residence at the University.			

MUSC 001	Piano
MUSC 002	Organ
MUSC 004	Woodwinds
MUSC 005	Brass
MUSC 006	Percussion
MUSC 007	Strings
MUSC 010	Guitar

Instrumental Music Education:			Hours
MUSC	110	Voice Class	1
MUSC	163	Introduction to Music Education	2
MUSC	226	Percussion Methods	1
MUSC	227	String Methods	1
MUSC	233	Instrumental Methods and Techniques I	1
MUSC	234	Instrumental Methods and Techniques II	1
MUSC	263	Curriculum and Assessment in Music	2
MUSC	363	Music in Elementary and Special Education	2
MUSC	364	Field Experience I (Lab) - Music in Elementary and Special Education	1
MUSC	366	Field Experience II (Lab) - Music in Secondary Education	2
MUSC	400	Arranging and Orchestration	2

Other requirements:

Concert Attendance - For details, consult the Music Undergraduate Handbook	—
<i>Total Hours Required</i>	<u>66</u>

Education Licensure Requirements:

EDUC	101	Introduction to Education and Related Professions	3
EDUC	351	Reading in the Content Areas	3
EDUC	448	Student Teaching Seminar	1
MUSC	460	Student Teaching in Music	11
PSYC	245W	Human Development from Birth through Adolescence	3
		<i>Total Hours Required</i>	<u>21</u>

MUSIC EDUCATION MAJOR-VOCAL EDUCATION EMPHASIS

MUSC	102	World Music and Culture	3
MUSC	104	Introduction to Music Theory and Aural Skills	3
MUSC	105	Diatonic Harmony	3
MUSC	107	Intermediate Aural Skills	1
MUSC	108-109*	Piano Class I, II	2
MUSC	111	Music Technology	2
MUSC	204	Chromatic Harmony and Commercial Music	3
MUSC	206-207	Advanced Aural Skills I, II	2
MUSC	248	Beginning Choral and Instrumental Conducting	2
MUSC	249	Rehearsing from the Podium	2
MUSC	302W-303	Music History and Literature I, II	6
MUSC	306W	Form and Post-Tonal Analysis	3
MUSC	402W	Senior Seminar in Music Performance	2

* Piano Proficiency Exam may substitute for these courses.

Ensemble			8
Large Ensembles:		Small Ensembles:	
MUSC	022	Concert Choir	MUSC 024 Chamber Choir
MUSC	025	Choral Union	

Applied Music Lessons 8

Students majoring in music are required to choose the category in applied music as their major instrument. It is expected they will register for one credit in this applied area each semester that they are in residence at the University.

MUSC	001	Piano
MUSC	002	Organ
MUSC	003	Voice

Vocal/General Music Education:			Hours
MUSC	110	Voice Class	1
MUSC	163	Introduction to Music Education	2
MUSC	222	Accompanying	1
MUSC	223	Choral Methods	1
MUSC	228	Instrumental Survey	1
MUSC	263	Curriculum and Assessment in Music	2
MUSC	240	Diction for Singers	1
MUSC	363	Music in Elementary and Special Education	2
MUSC	364	Field Experience I (Lab) - Music in Elementary and Special Education	1
MUSC	366	Field Experience II (Lab) - Music in Secondary Education	2
MUSC	400	Arranging and Orchestration	2

Other requirements:

Concert Attendance - For details, consult the Music Undergraduate Handbook

Total Hours Required

66

Education Licensure Requirements:

EDUC	101	Introduction to Education and Related Professions	3
EDUC	351	Reading in the Content Areas	3
EDUC	448	Student Teaching Seminar	1
MUSC	460	Student Teaching in Music	11
PSYC	245W	Human Development from Birth through Adolescence	3
<i>Total Hours Required</i>			21

MUSIC MINOR

MUSC	104	Introduction to Music Theory and Aural Skills	3
MUSC	105	Diatonic Harmony	3
MUSC	107	Intermediate Aural Skills	1
MUSC	108-109	Piano Class I, II	2
MUSC	302W-303	Music History and Literature I, II	6

Music Ensemble: 2

MUSC	018	Orchestra
MUSC	020	Jazz Ensemble
MUSC	021	Wind Symphony
MUSC	022	Concert Choir
MUSC	023	Handbell Choir
MUSC	025	Choral Union

Applied Music Lessons: 1

MUSC	001	Piano
MUSC	002	Organ
MUSC	003	Voice
MUSC	004	Woodwinds
MUSC	005	Brass
MUSC	006	Percussion
MUSC	007	Strings
MUSC	010	Guitar

Total Hours Required

18

MUSIC FOR CHILDREN MINOR

			Hours
MUSC	100	Music Appreciation	3
MUSC	104	Introduction to Music Theory and Aural Skills	3
MUSC	105	Diatonic Harmony	3
MUSC	108-109	Piano Class I, II	2
MUSC	163	Introduction to Music Education	2
MUSC	164	Service Learning in Music	1
MUSC	248	Beginning Choral and Instrumental Conducting	2
MUSC	363	Music in Elementary and Special Education	<u>2</u>
		<i>Total Hours Required</i>	18

MUSIC MEDIA MINOR

COMM	104	Introduction to Media Technology	3
COMM	180	Stage and Studio Television	3
MUSC	104	Introduction to Music Theory and Aural Skills	3
MUSC	111	Music Technology	2
MUSC	211	Digital Audio Techniques	2
MUSC	215	Jazz and the Origins of Rock Music	3
MUSC		Applied Music Lessons, Music Ensembles, and/or MUSC Independent Study	<u>2</u>
		<i>Total Required Hours</i>	18

MUSIC PERFORMANCE MINOR

MUSC	104	Introduction to Music Theory and Aural Skills	3
MUSC	105	Diatonic Harmony	3
MUSC	107	Intermediate Aural Skills	1
MUSC	248	Beginning Choral and Instrumental Conducting	2
		Music Ensemble:	3
MUSC	018	Orchestra	
MUSC	020	Jazz Ensemble	
MUSC	021	Wind Symphony	
MUSC	022	Concert Choir	
MUSC	023	Handbell Choir	
MUSC	025	Choral Union	
		Applied Music Lessons:	6
MUSC	001	Piano	
MUSC	002	Organ	
MUSC	003	Voice	
MUSC	004	Woodwinds	
MUSC	005	Brass	
MUSC	006	Percussion	
MUSC	007	Strings	
MUSC	010	Guitar	
		<i>Total Hours Required</i>	<u>18</u>

Recital Requirement:

Performance of at least a half solo recital consisting of representative works from various periods in classical musical literature (minimum of twenty-five minutes of actual music required).

STUDIO ART MINOR

			Hours
ART	125	Design Fundamentals I	3
ART	225	Design Fundamentals II	3
Twelve hours from:			12
ART	110	Introduction to Visual Art	
ART	118	Ceramics I	
ART	122	3-D Forms and Space I	
ART	156	Drawing: Techniques and Traditions	
ART	162	Painting: Techniques and Traditions	
ART	166	Photography I	
ART	218	Ceramics II	
ART	222	3-D Forms and Space II	
ART	256	Drawing: Concepts and Innovations	
ART	262	Painting: Illusion and Beyond	
ART	266	Darkroom Photography	
ART	267	Photojournalism	
ART	275	Introduction to Animation	
ART	313	Advanced Digital Photography	
ART	316	Introduction to Printmaking	
ART	322	Advanced 3-D Forms and Space	
ART	356	Advanced Studio Studies: Drawing	
ART	357	Figure Drawing	
ART	362	Advanced Studio Studies: Painting	
ART	366	Alternative Process Photography	
ART	397	Independent Study in Art	
*ART	399	Internship in Art	
<i>Total Hours Required</i>			<hr style="width: 10%; margin: 0 auto;"/> 18

* Only three hours of internship can count towards the minor.

The choice of courses must be made in consultation with an art program advisor.

THEATRE MAJOR

The theatre major has been designed for students who wish to pursue careers in an array of arts, entertainment, and teaching areas. Graduates will be qualified for professional entry-level jobs, and as strong candidates for graduate and professional schools. The core theatre major exists for those students wishing to double major or for broad exposure to the totality of theatre art. Students may also select an emphasis in performance or design-technology.

The performance emphasis focuses on an integrative process that sets an actor in motion physically, verbally, and emotionally, leading to creative and informed choices in character development and dramatic texts.

The design/technical emphasis focuses on the development of the artistic abilities required for production in theatre arts. Students learn theory and skills in the areas of lighting, sound, scenery, props, stage management, and other related positions.

Students actively apply their classroom education by participating in the College's main stage theatre productions, student-generated productions in the studio theatre, dance concerts, and through scenic, lighting, costume, and box-office student employment opportunities. Students regularly interview, audition for, and find work in professional summer theatres. Auditions and backstage opportunities in productions are open to all students regardless of major or class standing.

Teacher Licensure in Theatre Arts (PK-12)

Students who seek an endorsement in theater arts must complete the courses for a major in theatre performance, complete the secondary education minor, must be accepted into the Teacher Preparation Program, and take an additional course (THEA 311 Directing) to meet teaching requirements. Contact the School of Education, Leadership, and Counseling for a Secondary Education Minor advisor.

THEATRE MAJOR-DESIGN/TECHNICAL EMPHASIS			Hours
THEA	131	Fundamentals of Acting	3
THEA	202	Technical Theatre	3
THEA	211	Theatre History and Literature I	3
THEA	212W	Theatre History and Literature II	3
THEA	330	Drafting for the Theatre	3
THEA	331	Scene Design	3
THEA	333	Lighting Design	3
THEA	340	Theatre Management	3
THEA	390	Theatre Practicum	3
THEA	410	Senior Project	3
Theatre electives:			12
THEA	Other THEA courses 200 and above		
<i>Total Hours Required</i>			<u>42</u>

THEATRE MAJOR-GENERAL EMPHASIS			
THEA	131	Fundamentals of Acting	3
THEA	202	Technical Theatre	3
THEA	211	Theatre History and Literature I	3
THEA	212W	Theatre History and Literature II	3
THEA	390	Theatre Practicum	3
THEA	410	Senior Project	3
THEA	Other courses		<u>18</u>
<i>Total Hours Required</i>			36

THEATRE MAJOR-PERFORMANCE EMPHASIS			
THEA	120	Introduction to Dance	3
THEA	123	Voice and Diction	3
THEA	131	Fundamentals of Acting	3
THEA	202	Technical Theatre	3
THEA	211	Theatre History and Literature I	3
THEA	212W	Theatre History and Literature II	3
THEA	232	Script and Character Analysis	3
THEA	315	Advanced Acting	3
THEA	390	Theatre Practicum	3
THEA	410	Senior Project	3
Theatre electives:			12
THEA	Other THEA courses 200 and above		
<i>Total Hours Required</i>			<u>42</u>

Teacher Licensure:

Additional course required for teacher licensure is THEA 311, and the secondary education minor.

THEATRE MINOR

One of the following:			3
THEA	101	Introduction to Theatre Arts	
THEA	131	Fundamentals of Acting	
THEA	232	Script and Character Analysis	
One of the following:			3
THEA	102	Introduction to Technical Theatre and Design	
THEA	202	Technical Theatre	
THEA	Other THEA courses		<u>12</u>
<i>Total Hours Required</i>			18

WEB DESIGN AND DEVELOPMENT MINOR

			Hours
ART	125	Design Fundamentals I	3
ART	154	Graphics I: Process and Technique	3
ART	245	Web Design	3
C S	370	Database Management Systems	3
C S	385	Internet Programming	3
Choose one from the following:			3-4
C S	131	Fundamentals of Programing for Non-Majors	
C S	141	Introduction to Computer Science and Structured Programming I	<u> </u>
<i>Total Hours Required</i>			<u>18-19</u>

COLLEGE OF BUSINESS

College Dean: Dr. Nancy Hubbard

Accounting Department Faculty: Dr. Bush, Dr. Calvert, Dr. Murphy

Economics Department Faculty: Dr. Bennett, Dr. Craig, Dr. Prante, Dr. Scheld, Dr. Schnur

Management Department Faculty: Dr. Gupta, Dr. Kyper, Dr. Liu, Dr. Nathan, Dr. Schimmoeller

Marketing Department Faculty: Dr. Nicovich, Mr. Whitehouse, Dr. Yang

Mission Statement

The University of Lynchburg College of Business engages students through active learning to build character and prepare leaders for success in a rapidly changing global marketplace.

The College of Business continuously improves programs and processes by recruiting, retaining, and developing highly-quality faculty whose scholarship and professional activities contribute to student learning, impact business practice, and influence public policy.

Majors and Minors

Accounting Major

Accounting Minor

Business Administration Major

Business Minor

Economics Major-Financial Emphasis

Economics Major-General Emphasis

Economics Minor

Leadership Studies Minor

Management Major - General Emphasis

Management Major - Human Resources Emphasis

Management Minor - General

Management Minor - Human Resources

Marketing Major

Marketing Minor

ACCOUNTING MAJOR

Accounting provides the foundation for all business decisions. It is the cornerstone upon which the utilization and allocation of resources within an organization rest. The four-year accounting major prepares the student for a career in managerial accounting, governmental accounting, accounting education, and other accounting-related careers.

Courses in the business core:			Hours
ACCT	201-202	Principles of Accounting I, II	6
BUAD	100	Perspectives on Business	3
BUAD	241	Business Statistics	3
BUAD	322	Legal Environment of Business	3
BUAD	441W	Integrated Application of Business Principles	3
FIN	317	Principles of Finance	3
MGMT	244	Operations Management	3
MGMT	260	Principles of Management and Organizational Behavior	3
MGMT	310	Management Information Systems	3
MKTG	209	Principles of Marketing	3
Courses in General Education:			
ECON	201	Principles of Economics-Micro	3
ECON	202	Principles of Economics-Macro	3
One of the following:			3
ACCT	311	Personal Income Tax	
ACCT	319	Corporate and Partnership Taxation	
Accounting courses:			
ACCT	301-302	Intermediate Accounting I, II	6
ACCT	313	Strategic Cost Management	3
ACCT	401	Advanced Accounting	3

			Hours
ACCT	421	Auditing Principles	3
ACCT		Other ACCT course 300 and above*	<u>3</u>
<i>Total Hours Required</i>			60

* Students must select at least one 3-hour, non-required, upper-division accounting course to meet the accounting elective requirement. Students wishing to take the CPA examination in Virginia must select at least 6 hours of upper-division accounting electives to meet the educational requirements to sit for the examination. In most states, candidates must meet a 150-credit hour state requirement (not required for degree) to achieve CPA certification.

*Students who plan to take the CPA exam are encouraged to take ACCT 311. Students who plan to take the CMA exam are encouraged to take ACCT 319.

ACCOUNTING MINOR

ACCT	201-202	Principles of Accounting I, II	6
ACCT	313	Strategic Cost Management	3
ACCT		Other ACCT course 300 and above	3
One of the following:			3
ACCT	311	Personal Income Tax	3
ACCT	319	Corporate and Partnership Taxation	<u>3</u>
<i>Total Hours Required</i>			15

BUSINESS ADMINISTRATION MAJOR

The business administration major prepares students for general administrative positions and allows students to customize their major by selecting second non-business major or any minor of their choice. The business administration major requires the forty-two hour business core.

Courses in the business core:

ACCT	201-202	Principles of Accounting I, II	6
BUAD	100	Perspectives on Business	3
BUAD	241	Business Statistics	3
BUAD	322	Legal Environment of Business	3
BUAD	441W	Integrated Application of Business Principles	3
FIN	317	Principles of Finance	3
MGMT	244	Operations Management	3
MGMT	260	Principles of Management and Organizational Behavior	3
MGMT	310	Management Information Systems	3
MKTG	209	Principles of Marketing	3

Courses in General Education:

ECON	201	Principles of Economics-Micro	3
ECON	202	Principles of Economics-Macro	3

Minor or second major			<u>*15-18</u>
<i>Total Hours Required</i>			54-57

* Students choosing minors must meet the University requirements for minor programs (a 2.0 average in the minor courses with at least 50 percent of coursework completed at University of Lynchburg).

BUSINESS MINOR

			Hours
ACCT	201	Principles of Accounting I	3
ECON	201	Principles of Economics-Micro	3
MGMT	260	Principles of Management and Organizational Behavior	3
MKTG	209	Principles of Marketing	3
Two from the following:			6
FIN	150	Family and Personal Finance	
Other courses 200 and above from ACCT, BUAD, ECON, FIN, MGMT, MKTG			—
<i>Total Hours Required</i>			<u>18</u>

ECONOMICS MAJOR

Two emphases are offered in the economics program: financial economics and general economics. The economics major is designed to provide a well-rounded knowledge of the theoretical and institutional structure of economic activities with specific emphasis on the free market system. Course work is available to give economics majors the knowledge and skill to conduct professional economic research and analysis and to provide a firm basis for continuation of study at the graduate level. The financial economics emphasis incorporates the study of economic processes involved in capital formulation and the theory and practice of financial decision making through the study of financial markets and institutions. The degree in economics is not a business degree but rather a traditional social science degree.

ECONOMICS MAJOR—FINANCIAL EMPHASIS

ACCT	201-202	Principles of Accounting I, II	6
ECON	201-202	Principles of Economics	6
ECON	250	Research Methods in Economics	4
ECON	300-301	Intermediate Economic Theory	6
ECON	305	Money, Credit, and Banking	3
ECON	308	International Economic Policy	3
ECON	450W	Senior Seminar in Economics	3
ECON or FIN		Other ECON or FIN courses 100 and above	3
FIN	317	Principles of Finance	3
FIN	318	Financial Management	3
FIN	405W	Investment Fundamentals	3
PHIL	204	Introduction to Ethics	<u>3</u>
<i>Total Hours Required</i>			46

ECONOMICS MAJOR—GENERAL EMPHASIS

ECON	201-202	Principles of Economics	6
ECON	250	Research Methods in Economics	4
ECON	300-301	Intermediate Economic Theory	6
ECON	303	Managerial Economics	3
ECON	308	International Economics Policy	3
ECON	400	Information, Uncertainty, and Risk	3
ECON	450W	Senior Seminar in Economics	3
ECON		Other ECON courses 100 and above	9
PHIL	204	Introduction to Ethics	<u>3</u>
<i>Total Hours Required</i>			40

ECONOMICS MINOR

ECON	201-202	Principles of Economics	6
ECON	250	Research Methods in Economics	4
ECON	300 or 301	Intermediate Economic Theory	3
ECON		Other ECON courses 100 and above	<u>6</u>
<i>Total Hours Required</i>			19

LEADERSHIP STUDIES MINOR

			Hours
BUAD	222	Ethical Dilemmas in Business and Leadership	3
BUAD	265	Leadership and the Classics	3
G S	330	Leadership in Action Practicum	3
MGMT	260	Principles of Management and Organizational Behavior	3
Electives:			6
COMM	251	Intercultural Communication	
COMM	362	Crisis Communication	
COMM	412	Communication and Leadership	
PSYC	265	Industrial/Organizational Psychology	
<i>Total Hours Required</i>			<u>18</u>

MANAGEMENT MAJOR - GENERAL EMPHASIS

Management as a field of study is most often associated with business. Its subject matter can also be applied in a broad range of additional settings from the management of one's own personal resources to those of nonprofit, governmental, educational, and health care organizations.

Management study is recommended for those individuals who desire the knowledge and skill to influence others and develop business processes that can positively influence organizational productivity. The principles of management can be effectively applied in a broad range of group, organizational, and social settings. Students of management are trained to be decision-makers, problem solvers, project managers, and leaders.

Courses in the business core:

ACCT	201-202	Principles of Accounting I, II	6
BUAD	100	Perspectives on Business	3
BUAD	241	Business Statistics	3
BUAD	322	Legal Environment of Business	3
BUAD	441W	Integrated Application of Business Principles	3
FIN	317	Principles of Finance	3
MGMT	244	Operations Management	3
MGMT	260	Principles of Management and Organizational Behavior	3
MGMT	310	Management Information Systems	3
MKTG	209	Principles of Marketing	3

Courses in General Education:

ECON	201	Principles of Economics-Micro	3
ECON	202	Principles of Economics-Macro	3

Courses in management:

MGMT	262	Human Resource Management	3
MGMT	303	International Management and Negotiation	3
MGMT	360	Project Management	3
MGMT	477	Management Consulting	3

Two courses from:

ACCT	325	Management Accounting	6
BUAD	243	Data Mining	
BUAD	265	Leadership and Classics	
MGMT	101	Freshman Seminar in Management	
MGMT	377	Study Abroad: International Management	
MGMT	399	Internship in Management	
PSYC	265	Industrial/Organizational Psychology	
<i>Total Hours Required</i>			<u>57</u>

MANAGEMENT MAJOR - HUMAN RESOURCE EMPHASIS

The human resource emphasis provides students with broad knowledge about business and management, as well as in-depth knowledge about human resource management. The program will prepare students to enter a variety of human resource management related fields, such as recruiting and selection, training and development, change management; compensation, performance management, and employee relations.

Courses in the business core:			Hours
ACCT	201-202	Principles of Accounting I, II	6
BUAD	100	Perspectives on Business	3
BUAD	241	Business Statistics	3
BUAD	322	Legal Environment of Business	3
BUAD	441W	Integrated Application of Business Principles	3
FIN	317	Principles of Finance	3
MGMT	244	Operations Management	3
MGMT	260	Principles of Management and Organizational Behavior	3
MGMT	310	Management Information Systems	3
MKTG	209	Principles of Marketing	3
Courses in general education:			6
ECON	201	Principles of Economics-Micro	
ECON	202	Principles of Economics-Macro	
Courses within the human resource management emphasis:			12
MGMT	262	Human Resource Management	
MGMT	321	Training, Development, and Change	
MGMT	364	Workforce Planning, Staffing, and Compensation	
MGMT	477	Management Consulting	
Two courses from:			6
ACCT	325	Management Accounting	
BUAD	243	Data Mining	
PSYC	265	Industrial-Organizational Psychology	
MGMT	377	Study Abroad	
MGMT	399	Internship in Human Resource Management	
<i>Total Hours Required</i>			<u>57</u>

MANAGEMENT MINOR - GENERAL

MGMT	260	Principles of Management and Organizational Behavior	3
MGMT	303	Applied Management Strategies	3
MGMT	321	Training, Development, and Change	3
Six hours from:			6
BUAD	100	Perspectives on Business	
BUAD	265	Leadership and the Classics	
MGMT	262	Human Resource Management	
MGMT	360	Project Management	
<i>Total Hours Required</i>			<u>15</u>

Human resource management majors and leadership studies minors who choose to add the management minor should work with their academic advisors to make sure that selected courses meet all program requirements and are consistent with the guidelines for minor programs, as set forth in the catalogue.

MANAGEMENT MINOR - HUMAN RESOURCE

MGMT	262	Human Resource Management	3
MGMT	321	Training, Development, and Change	3
MGMT	364	Workforce Planning, Staffing, and Compensation	3
Six hours from:			6
BUAD	100	Perspectives in Business	
MGMT	260	Principles of Management and Organizational Behavior	
MGMT	303	International Management and Negotiations	
PSYC	265	Industrial-Organizational Psychology	
<i>Total Hours Required</i>			<u>15</u>

MARKETING MAJOR

Marketing is the process of planning and executing the conception, pricing, promotion, and distribution of ideas, goods, and services to create exchanges that satisfy individual and organizational objectives.

Courses in the business core:			Hours
ACCT	201-202	Principles of Accounting I, II	6
BUAD	100	Perspectives on Business	3
BUAD	241	Business Statistics	3
BUAD	322	Legal Environment of Business	3
BUAD	441W	Integrated Application of Business Principles	3
FIN	317	Principles of Finance	3
MGMT	244	Operations Management	3
MGMT	260	Principles of Management and Organizational Behavior	3
MGMT	310	Management Information Systems	3
MKTG	209	Principles of Marketing	3
Courses in General Education:			
ECON	201	Principles of Economics-Micro	3
ECON	202	Principles of Economics-Macro	3
Courses in marketing:			
MKTG	371	Market Research	3
MKTG	375W	Consumer and Buyer Behavior	3
MKTG	379	Marketing Communications	3
MKTG	451	Marketing Management	3
Two of the following:			6
*BUAD	397	Independent Study in Business	
MKTG	372	Sales and Sales Management	
MKTG	374	Retailing and Merchandising	
MKTG	377	Study Abroad: International Marketing	
MKTG	380	Services Marketing	
MKTG	398	Special Topics in Marketing	
*MKTG	399	Internship in Marketing	
MKTG	425	Interactive Marketing	
<i>Total Hours Required</i>			<u>57</u>

*Only one of these can be taken towards satisfying the six hours.

MARKETING MINOR

MKTG	209	Principles of Marketing	3
MKTG	375W	Consumer and Buyer Behavior	3
MKTG	379	Marketing Communications	3

One of the following:

BUAD	100	Perspectives on Business
MKTG	101	Freshman Seminar in Marketing

Hours

3

One of the following:

MKTG	200	Social Media Marketing
MKTG	371	Market Research
MKTG	372	Sales and Sales Management
MKTG	380	Services Marketing
MKTG	398	Special Topics in Marketing
MKTG	399	Internship in Marketing
MKTG	425	Interactive Marketing

3

Total Hours Required

15

COLLEGE OF EDUCATION, LEADERSHIP STUDIES, & COUNSELING

Dean: Dr. Roger E. Jones

Health and Physical Education Department Faculty: Mr. Abell, Mrs. Bowman, Dr. Smith, Mrs. Steele
 Interdisciplinary Studies - Teacher Education Department Faculty: Mr. Abel, Dr. Booth, Ms. Bowman,
 Dr. Bruce, Dr. Buck, Dr. Cash, Dr. Chun, Dr. Copp, Dr. Dodge, Dr. Gould, Dr. Heyward,
 Mr. Kelly, Dr. Lichiello, Dr. Martin, Dr. Mayhew, Dr. Smith, Ms. Steele, Ms. Tolbert

The College of Education, Leadership Studies, and Counseling offers educator preparation programs with several emphases for undergraduate study. Students enrolled in the College major in Interdisciplinary Studies - Teacher Education with emphasis in elementary education (grades PK-6) or special education (grades K-12). The College also offers the professional education component (as a minor) for students who wish to become teachers in secondary schools (grades 6-12).

Majors and Minors

Coaching Minor

Elementary Education Minor

Health and Physical Education Major

Interdisciplinary Studies - Teacher Education Major: Elementary Education Emphasis (PK-6)

Interdisciplinary Studies - Teacher Education Major: Special Education Emphasis (K-12)

Outdoor Recreation Minor

Secondary Education Minor

Special Education Minor

COACHING MINOR

			Hours
HPE	116	The Teaching of Team Sports	2
HPE	118	The Teaching of Individual Sports and Dance	2
HPE	119L	The Teaching of Outdoor Pursuits and Fitness Education	2
HPE	205*	Coaching Apprenticeship	3-6
Electives:			6-7
EXPH	225	Basic Emergency and Injury Care Management	
EXPH	355**	Scientific Principles of Strength and Conditioning	
HPE	304W	Sport, Exercise, and Performance Psychology	
H P	270	Nutrition	
SPMG	260	Principles of Sport Management	
<i>Total Hours Required</i>			15-18

* Students are encouraged to take several apprenticeships. The apprenticeship can be taken more than once for 1-6 credits. If more than one HPE 205 is taken, it must be applied to experiences with different sports. The student and advisor must be aware of the application for multiple apprenticeships.

** BIOL 222/22L and BIOL 223/223L are prerequisites for EXPH 355. However, the student has other options to complete the minor without having to take EXPH 355.

ELEMENTARY EDUCATION MINOR

This minor will not lead to a teacher license.

Core courses:

EDUC	201	Classroom Management in the Instructional Context	
*EDUC	211	Instructional Strategies	
PSYC	245W	Human Development From Birth Through Adolescence	

			Hours
^Professional courses:			9
EDUC	101	Introduction to Education and Related Professions	
*EDUC	313W	Reading and Language Acquisition I	
*EDUC	324	Methods: Social Studies Instruction	
*EDUC	325	Methods: Language Arts Instruction	
*EDUC	423	Reading and Language Acquisition II	
*EDUC	424	Methods: Science Instruction	
*EDUC	425	Methods: Math Instruction	
*ENGL	414	Children's Literature	
*SPED	336	Collaboration with Families, Educators, and Related Service Providers	
<i>Total Hours Required</i>			18

^Minimum of 9 hours is required.

*All prerequisites and corequisites outlined in the course descriptions must be met.

HEALTH AND PHYSICAL EDUCATION MAJOR

The Health And Physical Education Department is committed to providing the highest quality educational experience for those preparing for professional careers in teaching health and physical education. The program is dedicated to the preparation of majors for teacher licensure at the PK-12 levels. The educational program for health and physical education incorporates the endorsement competencies required by the Virginia Department of Education and prepares students to teach health and movement from a humanistic philosophical perspective. The major enhances professional development by applying theory to practice through experiential learning, practice opportunities with children and youth, and peer teaching and learning.

Students must apply to the Teacher Preparation Program by submitting an application to the College of Education, Leadership Studies, and Counseling prior to November 1 or March 20 of the sophomore year and, if a junior transfer student, not later than February 1 of the junior year. Students must complete designated courses, take Praxis I, or department of education approved alternative assessment, and VCLA, submitting passing scores prior to applying to the Teacher Preparation Program. In addition to the requirements of the Teacher Preparation Program, students are required to have taken a mandatory approved background check for all course requiring admittance to the Teacher Preparation Program. Prior to student teaching, students must take Praxis II, meet QPA requirements (major grades of C- or above, overall QPA of 2.5 and major QPA of 2.75), and apply and be admitted to student teaching. Please refer to the Teacher Preparation Program for teacher licensure requirements.

Support Courses:

BIOL	222-222L	Human Anatomy and Physiology I and Lab I	4
BIOL	223-223L	Human Anatomy and Physiology II and Lab II	4
EDUC	351	Reading in the Content Area	3
EXPH	325	Physiology of Exercise	3
EXPH	380	Kinesiology	3
H P	270	Nutrition	3
H P	300	Drugs and Behavior Management	3
PSYC	245W	Human Development from Birth through Adolescence	3

Health and Physical Education:

HPE	116	The Teaching of Team Sports	2
HPE	118	The Teaching of Individual Sports and Dance	2
HPE	119L	The Teaching of Outdoor Pursuits and Fitness Education	2
HPE	258	Foundations of Health and Physical Education	3
HPE	303W	Motor Development	3
HPE	304W	Sport, Exercise, and Performance Psychology	3
HPE	310	PK-5 Physical Education Methods Practicum	4
HPE	320	6-12 Physical Education Methods Practicum	4
HPE	335	Comprehensive School Health Practicum	4
HPE	361	The Measurement of Performance in Health and Physical Education	3

			Hours
HPE	362	Health and Physical Education for Exceptional Populations	<u>3</u>
<i>Total Hours Required</i>			59
Teacher Licensure Requirement:			
EDUC	448	Student Teaching Seminar	1
HPE	467	Student Teaching in Health and Physical Education K-12	<u>11</u>
<i>Total Hours Required</i>			12

**INTERDISCIPLINARY STUDIES-TEACHER EDUCATION MAJOR
ELEMENTARY EDUCATION EMPHASIS (GRADES PK-6)**

The interdisciplinary studies - teacher education major with an elementary education emphasis is designed for individuals who will work with younger children in teaching situations.

Core courses:

EDUC	101	Introduction to Education and Related Professions	3
EDUC	201	Classroom Management in the Instructional Context	3
EDUC	202	Field Experience I	1
PSYC	245W	Human Development from Birth through Adolescence	3

Professional courses:

EDUC	211	Instructional Strategies	3
EDUC	313W	Reading and Language Acquisition I	3
EDUC	320	Field Experience II	1
EDUC	324	Methods: Social Studies Instruction	2
EDUC	325	Methods: Language Arts Instruction	2
EDUC	423	Reading and Language Acquisition II	3
EDUC	424	Methods: Science Instruction	2
EDUC	425	Methods: Math Instruction	2

Supplemental courses:

ENGL	414	Children's Literature	3
HIST	101	History of Civilization I	3
HIST	102	History of Civilization II	3
HIST	255	America to 1877	3
HIST	256	America Since 1877	3
MATH	117-118	Introduction to School Mathematics I, II	6

One of the following:

EDUC	377	Study Abroad	3
ENVS	211	Physical Geography	
INTL	213	World Regional Geography	

One of the following:

ECON	100	Economic Perspectives on Current Issues	3
ECON	201	Principles of Economics - Micro	
ECON	202	Principles of Economics - Macro	

Twelve hours of science courses from the following: 12

BIOL	113	Evolution, Ecology, and Organisms	
BIOL	114	Cells: Genetic and Molecular Perspectives	
CHEM	111	Fundamentals of Chemistry I	
CHEM	112	Fundamentals of Chemistry II	
ENVS	101-101L	Earth and Environmental Science I and Lab	
ENVS	102-102L	Earth and Environmental Science II and Lab	
PHYS	141	College Physics I	
PHYS	142	College Physics II	
PHYS	161	General Physics I	
PHYS	162	General Physics II	

PHYS	181	Astronomy: The Solar System	Hours
PHYS	182	Astronomy: The Universe	
SCIE	101	Principles of Science I	
SCIE	102	Principles of Science II	

One of the following:			3
ENGL	203W	Expository Writing	
ENGL	205	Introduction to Creative Writing	
ENGL	315W	English Grammar	
<i>Total Hours Required</i>			<u>70</u>

Licensure requirement:			
EDUC	420	Field Experience III	1
EDUC	427	Student Teaching (E)	11
EDUC	448	Student Teaching Seminar	<u>1</u>
<i>Total Hours Required</i>			13

A minimum grade of C- is required for courses in the program except for field experience courses and student teaching, where a minimum grade of B- is required.

**INTERDISCIPLINARY STUDIES-TEACHER EDUCATION
SPECIAL EDUCATION EMPHASIS (K-12)**

The interdisciplinary studies - teacher education major with a special education emphasis is under the direction of the Educator Preparation Program. This emphasis is designed for those who wish to work with individuals with disabilities.

Core courses:			
EDUC	101	Introduction to Education and Related Professions	3
EDUC	201	Classroom Management in the Instructional Context	3
EDUC	202	Field Experience I	1
PSYC	245W	Human Development from Birth through Adolescence	3
SPED	213	Introduction to Special Education	3

Professional courses:			
EDUC	211	Instructional Strategies	3
EDUC	313W	Reading and Language Acquisition I	3
SPED	234	Characteristics of Developmental Disabilities	3
SPED	330	Field Experience II	1
SPED	331	Program Design in Special Education	3
SPED	334	Characteristics of Learning and Related Disabilities	3
SPED	336	Collaboration with Families, Educators, and Related Service Providers	3

Supplemental course:			
SPED	432W	Methods for Reading and Academic Content	3
SPED	433	Transition, Life Skills, and Communication	3
SPED	464W	Introduction to Assessment in Special Education	3
PSYC	212	Introduction to Behavior Modification	3

One of the following:			3
MATH	117	Introduction to School Mathematics I	
MATH	118	Introduction to School Mathematics II	

One of the following (beyond general education requirements):			4
SCIE	101	Principles of Science I	
SCIE	102	Principles of Science II	
<i>Total Hours Required</i>			<u>51</u>

Licensure requirement:			Hours
SPED	430	Field Experience III	1
SPED	437	Student Teaching (SPED)	11
EDUC	448	Student Teaching Seminar	<u>1</u>
<i>Total Hours Required</i>			13

A minimum grade of C- is required for courses in the program except for field experience courses and student teaching, where a minimum grade of B- is required.

OUTDOOR RECREATION MINOR

A T	225	Safety and the Management of Health Emergencies	2
HPE	265	Philosophy of Outdoor Experiential Education	3
HPE	266	Outdoor Recreation Leadership	3
HPE	415	Internship in Health and Physical Education	3
Electives:			4
HPE	108	Introduction to Adventure Activities	
HPE	109	Cooperative and Competitive Movement Challenges	
HPE	125	Rock Climbing and Vertical Rope Work	
HPE	126	Challenge Course and Adventure Training	
HPE	127	Basic Backpacking and Hiking	
HPE	128	Basic Canoeing and Kayaking	
HPE	129	Mountain Biking	
<i>Total Hours Required</i>			<u>15</u>

SECONDARY EDUCATION MINOR

Core courses:			
EDUC	101	Introduction to Education and Related Professions	3
EDUC	201	Classroom Management in the Instructional Context	3
EDUC	202	Field Experience I	1
PSYC	245W	Human Development from Birth through Adolescence	3
Professional courses:			
EDUC	351	Reading in the Content Area	3
EDUC	352	Teaching in Middle/Secondary School	<u>3</u>
<i>Total Hours Required</i>			16
Licensure requirement:			
EDUC	444	Field Experience II (S)	2
EDUC	447	Student Teaching (Secondary)	11
EDUC	448	Student Teaching Seminar	<u>1</u>
<i>Total Hours Required</i>			14

A minimum grade of C- is required for courses in the program except for field experience courses and student teaching, where a minimum grade of B- is required.

Note: Some secondary education teacher preparation programs have specific requirements beyond those listed above and in addition to those listed in the specific major. Students should consult with the faculty advisor in their major area as well as with the Dean of the School of Education, Leadership, and Counseling. The dean will assign an education minor advisor.

SPECIAL EDUCATION MINOR

This minor will not lead to a teacher license.

EDUC	211	Instructional Strategies	3
SPED	213	Introduction to Special Education	3
SPED	234	Characteristics of Developmental Disabilities	3

			Hours
SPED	334	Characteristics of Learning and Related Disabilities	3
Two of the following: (depending upon career goals)			6
PSYC	212	Introduction to Behavior Modification	
SPED	331	Program Design in Special Education	
SPED	336	Collaboration with Families, Educators, and Related Service Providers	
<i>Total Hours Required</i>			18

EDUCATOR PREPARATION PROGRAM

The Educator Preparation Program (EPP) of University of Lynchburg includes the preparation of teachers in elementary, secondary, and special education endorsements.

The Virginia Department of Education has approved all programs within the University of Lynchburg’s EPP, and that approval serves as the basis for licensure in Virginia. The Commonwealth of Virginia participates in certification reciprocity with more than forty states and areas. Eligibility for interstate reciprocity is based on completion of a specifically approved program as directed and delivered by the University of Lynchburg.

Approval has been received for the following programs:

Algebra I (add-on)	Health and Physical Education (PK-12)
Art (PK-12)	History and Social Sciences
Biology	Mathematics
Chemistry	Music Education (PK-12)
Earth Science (Environmental Science)	Instrumental
Elementary Education (PK-6)	Vocal
English	Physics
Foreign Languages (PK-12)	Political Science
French	Special Education (K-12)
Spanish	

The Council of Educator Preparation has advisory responsibilities. The Council is comprised of representatives from the administration, academic programs, and the College of Education, Leadership Studies, and Counseling. The Council acts in an advisory capacity to assist the College in meeting licensure criteria for the program, recommending changes in the program to the Virginia Department of Education (VDOE), ensuring that the program meets the standards established by the VDOE, and conducting continuing evaluation of the programs.

Admission to the Educator Preparation Program

All students who plan to be licensed as teachers must apply for admission to the Educator Preparation Program (EPP) before March 20 of the sophomore year or by November 1 of the junior year. The completed application must be submitted to the administrative office of the College and will be forwarded to the EPP Admissions Committee for review.

The following criteria must be met before a student can be fully admitted

1. Overall QPA of 2.50 or above;
2. Completion of (or currently enrolled in) core courses with grades of C- or above and B- or above for field experience courses;
3. Courses completed with grades of D+ or below must be retaken prior to application; and
4. Passing test scores on VCLA and Praxis Core Math or approved exemption based on SAT or ACT scores.

Formal applications are generally completed by November 1 of the junior year by traditional students and no later than March 20 of the junior year for transfer students or new majors. Applicants receive written notification of their admission status. Students who are denied admission to EPP are informed of the basis for this determination. If the student wishes to rectify the deficiency and re-apply, they must do so in writing, usually after an interval of one semester.

Admission to Student Teaching

Students completing the teacher licensure program must apply prior to February 1 for a fall semester placement and September 15 for a spring semester placement and be admitted to student teaching. All listed requirements must be satisfied:

1. Prior acceptance into the Educator Preparation Program;
2. Submission of a written application with three University of Lynchburg faculty recommendations, including two from faculty members in the major;
3. Completion of all major courses, with grades of C- or above and B- or above in all field experience courses, including completion of supplemental content courses and secondary education minor courses if applicable;
4. Minimum overall QPA of 2.50 and minimum QPA of 2.75 in the major and secondary education minor;
5. Submission of scores on PRAXIS II and VCLA, as appropriate. Passing scores are not required for student teaching but are required for licensure;
6. Submission of RVE score, if applicable. Passing scores are not required for student teaching but are required for licensure; and
7. Student teaching is offered to qualified individuals within two semesters of graduating from University of Lynchburg

After committee review, students receive written notification of their admissions status, including conditions resulting in a delayed decision or denial. Following admission to student teaching, the director of field experiences with each local school division handles placement locations and arrangements. Students are notified in writing after placements are finalized. More specific information about this experience and its procedures are included in the Student Teaching Handbook distributed to each student teacher.

Teacher Licensure

Students who successfully complete one of University of Lynchburg's approved educator preparation programs (including passing scores on Praxis Core Math, Praxis II, Virginia Communications and Literacy Assessment (VCLA), Reading for Virginia Educators (RVE), and demonstrated technology and child abuse and neglect competencies will be recommended for licensure. All licensure students must pass training in emergency first aid, cardiopulmonary resuscitation, and the use of automated external defibrillators.

To apply for a Virginia teacher's license, the student must submit a formal application, fee, and required test documents to the Teacher Licensure Officer who will send the necessary information to the Virginia Department of Education. This request should be made just prior to graduation. Forms for this process are available in the College's office.

COLLEGE OF HEALTH SCIENCES

Dean: Dr. A. Russell Smith

Associate Dean and Director of Nursing: Mrs. Kathy Johnson

Exercise Physiology Department Faculty: Dr. Collins, Dr. Kremer, Dr. Lucas

Health Promotion Department Faculty: Dr. Fenollar, Dr. Guynes, Dr. Hall, Dr. McKinney, Dr. Olsen,
Mrs. Price, Mrs. Takacs

Nursing Department Faculty: Mrs. Braud, Dr. Ferguson, Mrs. Foster, Dr. Hallowell, Mrs. Jamerson,

Dr. Johnson, Mrs. Pribble, Dr. Putnam, Mrs. Shargots, Mrs. Sinoski, Dr. St. Clair, Mrs. Yuille

Sport Management Department Faculty: Dr. Hedrick, Dr. Pieper

The College of Health Sciences provides curricular and co-curricular activities for students who have career interests in health and human services and sports-related professions. Within the College of Health Sciences is the School of Nursing. Through formal classroom instruction, guided practical experiences, and independent internships, faculty assist students with acquiring knowledge, building skills and competencies, and developing an appreciation for the importance of healthy lifestyles. Community initiatives allow students and faculty to be involved in a variety of activities that promote health.

Majors and Minors

Exercise Physiology Major

Health Promotion Major

Health Promotion Minor

Sport Management Major

Sport Management Minor

Sports Medicine Minor

EXERCISE PHYSIOLOGY MAJOR

The Exercise Physiology Department is committed to providing accurate and current information to prepare students pursuing this major to be future health professionals with career interests in the areas of health, fitness, and performance.

When combined with a strong liberal arts foundation, the major provides comprehensive coverage of theoretical and practical information necessary to pursue graduate school and/or careers in exercise physiology, strength and conditioning, and fitness. The curriculum also provides pre-professional background for students interested in pursuing physical therapy, occupational therapy, medicine, and other health-related professions.

Through a variety of practical learning opportunities, students experience “hands-on” application of the theory learned in the formal classroom setting. Faculty from multiple professional specializations promote diversity in teaching, research, and service activities that enrich student learning experiences. The exercise physiology program is accredited by the Commission on Accreditation of the Allied Health Education Programs (CAAHEP).

Entry into the exercise physiology major is competitive and all students who apply may not be accepted into the program.

Application and Deadlines:

1. Traditional students and transfer students who have not completed BIOL 222, 222L and/or BIOL 223, 223L: Applications must be completed by April 1 of the academic year when BIOL 222, 222L and BIOL 223, 223L are taken.
2. Transfer students admitted to University of Lynchburg with credit for BIOL 222, 222L, 223, and 223L or the equivalents: Applications must be completed by the end of the College Add period for the semester of enrollment in EXPH 325.

Application Requirements:

1. Traditional students and transfer students who have not completed BIOL 222, 222L or BIOL 223, 223L: Completion of or enrollment in the following courses with a grade of “C” or better: EXPH 100, EXPH 200W, EXPH 225, HPE 102, BIOL 222, BIOL 222L, BIOL 223, BIOL 223L and STAT 222.
2. Transfer students admitted to University of Lynchburg with credit for BIOL 222, 222L, 223, and 223L or the equivalents: Completion of or enrollment in the semester of application for the following courses with a grade of “C” or better: EXPH 100, EXPH 200W, EXPH 225, HPE 102, STAT 222, and EXPH 325.
3. Cumulative QPA of 2.25 or better.

- 4. Complete transcripts.
- 5. Good academic standing with the University.

Application Decisions:

- 1. Once all admission requirements are fulfilled, priority will be determined by the following ranking:
 - a. QPA in courses required for the exercise physiology major
 - b. Overall QPA
- 2. Students will be notified of admission decisions by June 15 of each year.
- 3. A one-time non-refundable professional fee is charged after acceptance into the Exercise Physiology major and must be paid prior to the start of classes for the next semester.
- 4. Students who have preregistered for EXPH courses but are not admitted to the major should meet with their advisors to change their schedule for the upcoming year.

Retention Requirements:

- 1. Completion of all courses required for the exercise physiology major with a grade of C or better. If the student does not achieve the minimum grade of C, the student must retake the course at University of Lynchburg as soon as it is offered in the next fall or spring semester. If the course is offered sooner in the summer semester, the student may choose to take the course at that time. The student will be permitted one course repeat of any one required course to achieve a grade of C or better. The second time a student earns a grade below C in any course required for the exercise physiology major, the student will be dismissed from the exercise physiology program and will be required to withdraw from the major.
- 2. Minimum cumulative QPA of 2.25. Students earning less than a cumulative 2.25 QPA will be placed on probation for one semester. Failure to raise and maintain the cumulative QPA above 2.25 any semester following the semester of probation will result in the student being dismissed from the exercise physiology program and require them to withdraw from the major.
- 3. Completion of courses in recommended course sequence unless approved by the Department Chair.
- 4. Satisfactory behavior based on the University of Lynchburg Honor Code.
- 5. Maintenance of current CPR certification with proof of certification provided to the Department Chair while in the EXPH program.

Support Courses:

			Hours
#BIOL	222-222L	Human Anatomy and Physiology I and Lab I	4
#BIOL	223-223L	Human Anatomy and Physiology II and Lab II	4
#HPE	102	Concepts for Exercise and Lifetime Wellness	2
HPE	304W	Sport, Exercise, and Performance Psychology	3
#STAT	222	Concepts of Statistics	3

Exercise Physiology:

#EXPH	100	Physiological Assessments in Exercise Physiology	3
#EXPH	200W	Exploration in Exercise Physiology	3
#EXPH	225	Basic Emergency and Injury Care Management	3
EXPH	325	Physiology of Exercise	3
EXPH	326	Advanced Physiology of Exercise	3
EXPH	342	Laboratory Techniques in Exercise Physiology	3
EXPH	355	Scientific Principles of Strength and Conditioning	4
EXPH	370	Sports Nutrition	3
EXPH	380	Kinesiology	3
EXPH	382	Exercise Physiology of Special Populations	3
*EXPH	415	Internship in Exercise Physiology	3
EXPH	425	Advanced Health and Fitness Evaluation and Programming	3
EXPH	435	Leadership and Professionalism for Exercise Physiologists	3
EXPH	450W	Research Methods in Exercise Physiology	<u>3</u>

Total Hours Required **59**

Minimum grade of C is required for this course prior to admission to the major.

* This major requires students to take EXPH 415 Internship in Exercise Physiology. Prerequisites for this course include junior or senior status and a minimum 2.25 QPA.

HEALTH PROMOTION MAJOR

The health promotion major prepares students to work in today's healthcare delivery system and provides many health-related career options. Graduates are provided educational experiences designed to prepare them for entry-level health promotion/wellness work and healthcare provider licensing. In addition, students are exposed to a variety of field experiences and can expect to find employment opportunities in community mental health centers, schools, hospitals, ambulatory care clinics, nursing homes, psychiatric facilities, health maintenance organizations, local, state, national, and international health education service centers, insurance companies, and corporate wellness programs. Also, this major includes academic preparation for entrance to specific biomedical/technological fields. Such professional programs include medicine, dentistry, medical technology, physical therapy, pharmacy, optometry, dental hygiene, medical record administration, occupational therapy, physician's assistant, radiology, and sonography.

Surveys of job opportunities for healthcare professions show there is a need for more supervised study, experience, and "hands-on" training. A unique feature of this major is an internship that provides students with actual on-the-job experience that awards academic credit for working in a health-related/healthcare agency. Practical training given through the internship affords the student specific insight into certain career choices and experiences of a chosen field prior to graduation. The internship is the culminating experience for the major, and student applications for placement are due during the spring of their junior year. The program advisor works closely with each student to find the appropriate setting for an internship and assigns field placements.

Upon completion of the bachelor degree, students with a health promotion major or a minimum of twenty-seven hours of health education will be eligible to take the National/International Certification Exam under the auspices of the National Commission for Health Education Credentialing, Inc. to become a Certified Health Education Specialist (CHES).

The department chair, who meets with practitioners in career programs, will determine the best courses for developing needed skills. Students must maintain an above-average grade point in the major and designated science/technical courses. Students must also demonstrate sincere, concerned interest in society's mental and physical health and welfare and achieve the objectives of the clinical internship.

The health promotion major has two advising tracks, which will allow more flexibility for students to attain necessary skills for specific career interests. The public/community track will enable students to pursue careers focusing on health-related interests within a community setting. The allied health track is intended to prepare students who have an interest in the biomedical/technological fields and will require an academic foundation in the natural sciences. It is typical of health professionals to want an array of health-related skills, and the health promotion major provides such an entity while meeting the public's demand.

Support Courses:			Hours
BIOL	222-222L	Human Anatomy and Physiology I and Lab I	4
BIOL	223-223L	Human Anatomy and Physiology II and Lab II	4
STAT	222	Concepts of Statistics	3
Health Promotion:			
H P	210	Health Disparities, Equity, and Advocacy	3
H P	221W	Global Health	3
H P	239	Dimensions of Health and Wellness	3
H P	270	Nutrition	3
H P	271	Foundations of Health Promotion	3
H P	275	Medical Terminology	3
H P	292	Psychosocial Health	3
H P	300	Drugs and Behavior Management	3
H P	322	Health Aspects of Aging	3
H P	325	Human Diseases	3
H P	340	Women's Health Issues	3
H P	371W	Research in Health Promotion	3
H P	372	Contemporary Health Issues	3
H P	415	Internship in Health Promotion	6
H P	420W	Health Program Planning	<u>3</u>
<i>Total Hours Required</i>			59

It is highly recommended that health promotion majors choose additional courses to support core requirements of the major. Students may choose a minor from other disciplines such as biology, environmental science, journalism, speech communication, psychology, sports medicine, or a combination of courses from various disciplines.

HEALTH PROMOTION MINOR

			Hours
H P	239	Dimensions of Health and Wellness	3
H P	271	Foundations of Health Promotion	3
Choose four courses from the following:			12
H P	210	Health Disparities, Equity, and Advocacy	
H P	221W	Global Health	
H P	270	Nutrition	
H P	275	Medical Terminology	
H P	290	Spirituality and Health	
H P	300	Drugs and Behavior Management	
H P	322	Health Aspects of Aging	
H P	325	Human Diseases	
H P	340	Women’s Health Issues	
H P	372	Contemporary Health Issues	
<i>Total Hours Required</i>			<hr style="width: 100%; border: 0.5px solid black; margin-bottom: 5px;"/> 18

SPORT MANAGEMENT MAJOR

The sport management major is a professional program leading to careers in management and administration of college and professional sport programs, community recreation, YMCAs and YWCAs, sports sales and marketing, public relations and marketing for college and professional sports organizations.

The program prepares students to succeed in this diverse and challenging field in which participation in sports for health, leisure, education, or entertainment continues to expand throughout the world. Commerce in sports represents an expanding market that transcends age, gender, race, religion, language, nationality, and geography. Consequently, this program blends general education studies with business skills and concepts and interprets them in current sports settings via professional courses to be tested during the student’s internship opportunities, and, ultimately, to be practiced in professional service.

Sport management core:

SPMG	260	Principles of Sport Management	3
SPMG	270W	Governance of Sport Organizations	3
SPMG	300	Sport in American Society	3
SPMG	340	Sport Finance	3
SPMG	353	Sports Law	3
SPMG	368	Sports Facilities and Event Management	3
SPMG	370	Sport Promotions and Marketing	3
SPMG	415	Internship in Sport Management	12
SPMG	420	Sport Ethics and Current Issues	3
SPMG	441	Management and Administrative Processes in Fitness and Sport	3

Business courses:

ACCT	201	Principles of Accounting I	3
ECON	201	Principles of Economics - Micro	3
MGMT	260	Principles of Management and Organizational Behavior	3
MKTG	209	Principles of Marketing	3

School of Business and Economics courses:

ACCT	Other ACCT courses 200 and above		6
ECON	Other ECON courses 200 and above		
MGMT	Other MGMT course 200 and above		
MKTG	Other MKTG course 200 and above		
<i>Total Hours Required</i>			<hr style="width: 100%; border: 0.5px solid black; margin-bottom: 5px;"/> 57

It is highly recommended that each sport management major have a supporting area, some examples of which are a coaching minor, public relations/journalism minor, sports medicine minor, economics minor, outdoor recreation minor, or sociology minor.

SPORT MANAGEMENT MINOR

The sport management minor may be a beneficial specialized area for students majoring in the following areas, among others: marketing, business administration, management, and communication studies.

Required courses:			Hours
MGMT	260	Principles of Management and Organizational Behavior	3
SPMG	260	Principles of Sport Management	3
SPMG	353	Sports Law	3
Sport management elective:			3
SPMG	275	History of Sport in America	
SPMG	300	Sport in American Society	
SPMG	350	Gender and Sport: Issues and Controversies	
Additional sport management electives:			6
SPMG	270W	Governance of Sport Organizations	
SPMG	340	Sport Finance	
SPMG	368	Sports Facilities and Event Management	
SPMG	370	Sport Promotions and Marketing	
SPMG	420	Sport Ethics and Current Issues	
SPMG	441	Management and Administrative Processes in Fitness and Sport	6
<i>Total Hours Required</i>			<u>18</u>

SPORTS MEDICINE MINOR

The broad goal of this minor is to provide students with the opportunity to acquire practical skills and knowledge that can be used in any healthcare field. A second objective is to give students resume-building experience to make them more marketable to graduate schools.

A T	100	Introduction to Athletic Training	3
BIOL	222-222L	Human Anatomy and Physiology I and Lab	4
BIOL	223-223L	Human Anatomy and Physiology II and Lab	4
Three of the following:			8-9
A T	175	Basic Athletic Training Skills	
A T	225	Safety and the Management of Health Emergencies	
A T	350W	Therapeutic Interventions I	
EXPH	325	Physiology of Exercise	
EXPH	330	Assessment and Treatment of General Medical Conditions	
EXPH	380	Kinesiology	
<i>Total Hours Required</i>			<u>19-20</u>

SCHOOL OF NURSING

Associate Dean and Director of Nursing: Mrs. Kathy Johnson

Nursing Department Faculty: Mrs. Braud, Dr. Ferguson, Mrs. Foster, Dr. Hollowell, Mrs. Jamerson, Dr. Johnson, Mrs. Pribble, Dr. Putnam, Mrs. Shargots, Mrs. Sinoski, Dr. St. Clair, Mrs. Yuille

University of Lynchburg Undergraduate and Graduate Nursing Programs offer distinctive curricula fostering a student-centered environment that values diversity, welcomes all faith traditions, and engages students in a global society.

The mission of University of Lynchburg Nursing is to impart an attitude of service, thoughtful inquiry, leadership, scholarship, excellent communication skills, and continuous quality improvement using state of the art technologies, to position students for successful, entry level professional nursing careers and future graduate studies.

University of Lynchburg Nursing incorporates a liberal arts education preparing students to be effective leaders in the civic, professional, and spiritual dimensions of life. A rigorous, evidence based, patient-centered curriculum is enhanced by experiences in a variety of health care settings, collaborating across disciplines to deliver holistic nursing care. Information on health care policies and systems management is incorporated to ensure students receive a broader context of health care to effectively function in the professional nursing environment. Faculty use innovative teaching modalities, state of the art technologies, and informatics to guide students in the delivery of safe, culturally competent nursing care, addressing health promotion and health prevention in individuals, families, communities and populations. Faculty maintain close relationships with students, alumni, staff, and community partners to enhance the nursing curriculum and professional learning experiences.

In support of the Mission of the University of Lynchburg Nursing Program, students will:

1. Make appropriate nursing practice decisions using research and evidence based practice for persons of various ages and health states to promote and improve health care results.
2. Provide safe, patient-centered, culturally competent nursing care across the continuum for individuals, families, communities, and populations to promote health and disease prevention.
3. Communicate effectively with patients, families, colleagues, and professionals from other disciplines.
4. Demonstrate effective, ethical use of information technologies to perform and document safe, quality patient care.
5. Demonstrate excellence in writing skills and research by producing creative scholarship that expands nursing knowledge.
6. Positively influence health care outcomes through interprofessional collaboration to accomplish patient health care goals.
7. Integrate knowledge of health care policies, systems management, and finance using innovative approaches to promote continuous quality improvement in healthcare settings
8. Demonstrate professional behaviors and values to model the core attributes of the nursing profession and pursue practice excellence.

Application and Deadlines: Freshmen, Transfer, and Second Degree Students

1. Freshman students enter University of Lynchburg with an intended program goal of nursing. A separate application to the nursing major must be completed and submitted by April 1 of the freshman spring semester. Applications will be reviewed following completion of spring semester.
2. Transfer students must complete an application to University of Lynchburg by April 1. Applications will be reviewed following receipt of transcripts.
3. Second-degree students who have completed all required nursing prerequisite courses must complete an application to University of Lynchburg by April 1.
4. Students submitting applications after April 1 will be considered on a space available basis.

Application Requirements: Freshmen and Transfer Students

1. Completion of CHEM 127 with a minimum grade of "C"
2. Minimum total score on Test of Essential Academic Skills (TEAS) of 60 percent, with minimum sub-scores of 50 percent in each category. The test must be completed in spring semester, freshman year.

3. Completion of or enrollment in non-science prerequisite courses PSYC 241, STAT 222, and HP 270. All prerequisite courses must be completed prior to starting the nursing program.
4. Completion of or registered for BIOL 222/222L and BIOL 223/223L
5. Minimum QPA of 3.0 in completed prerequisite courses at end of spring semester.
6. Minimum overall QPA of 3.0 at the end of the spring semester

Application Requirements: Second Degree Students

1. Completion of BIOL 222/222L, 223/223L, CHEM 127, STAT 222, HP 270, and PSYC 241 with a minimum grade of "C"
2. Minimum overall QPA of 3.0 in undergraduate courses. (If graduate courses have been taken, the average of the undergraduate and graduate GPA's will be used.)
3. Minimum QPA of 3.0 in completed prerequisite courses.

Application Decisions

1. Once all admission requirements are fulfilled, priority will be determined by the following ranking:
 - a. QPA in completed prerequisite courses
 - b. Overall QPA
 - c. Total score on TEAS
 - d. Number of hours completed at University of Lynchburg
2. Freshmen applicants will be notified of admission decisions by June 15 of each year.
3. Students who have preregistered for nursing courses but are not admitted to the major should meet with their advisors to change their schedule for the upcoming year.
4. Second-degree students will be notified of admission by April 1 of each year.
5. Transfer students will be notified of admission by July 15 of each year.

Following review of applications, freshmen and transfer students will be admitted to the nursing major. Nursing classes begin at the sophomore level. In addition, a small group of second-degree or qualified transfer students will be admitted to the nursing program. They will be scheduled for an intensive summer session to complete the sophomore level nursing courses and will begin junior-level nursing courses in the fall semester. Second degree students who complete the intensive summer session via the accelerated nursing program will be allowed to complete the BS in Nursing program in four semesters.

Requirements for Continuing in the Nursing Program

To continue to progress in the nursing major, students must achieve a minimum grade of C in all non-nursing prerequisite courses and a minimum QPA of 3.0 in nursing and non-nursing prerequisite courses. Students must achieve a grade of B- or better in all nursing courses. If a student is not successful in obtaining the required grades in nursing and/or non-nursing prerequisites, he or she may repeat the course once if space is available. If a nursing major fails to earn a minimum grade of B- on any two required courses, or the same course twice, the student must withdraw from the nursing major. If a student feels that he/she has not completed a nursing course with a B- or better due to an extenuating circumstance, he or she may file a written appeal documenting these circumstances to the nursing program director.

Specific policies and regulations for nursing majors and clinical practice are published in the course syllabi and /or the nursing student handbook. Policies include having on file or in the Office of Health and Counseling Services a complete list of immunizations, including hepatitis B, as well as drug screening. Prior to admission to the nursing program, a Criminal History Records Check must be completed as required by the Board of Nursing. Students are responsible for their own transportation to clinical sites. A non-refundable professional fee, charged upon entry to the pre-nursing courses and at the beginning of the sophomore, junior, and senior years, covers skills lab(including simulation) supplies and standardized testing. There may be additional charges related to equipment or testing; these are listed in the Nursing Student Handbook and on the University of Lynchburg Nursing website. During the sophomore, junior, and senior years, the student will take a variety of tests to prepare for the NCLEX RN exam, which is required to practice. The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Virginia State Board of Nursing.

The following are the nursing major requirements:

Prerequisites to the nursing major:

	Hours
#BIOL 222-222L Human Anatomy and Physiology I and Lab	4
#BIOL 223-223L Human Anatomy and Physiology II and Lab	4

#CHEM	127	The Chemistry of Life	4
			Hours
#HP	270	Nutrition	3
#STAT	222	Concepts of Statistics	3
#PSYC	241	Developmental Psychology	3
Nursing major courses:			
^NRSG	220	Pathophysiology	3
^NRSG	225	Nursing Fundamentals	3
^NRSG	225L	Nursing Fundamentals Lab	1
^NRSG	232/232L	Health Assessment and Lab	3
^NRSG	300/300L	Pharmacology and Lab	4
^NRSG	335/335L	Nursing Care of Childbearing Family and Lab	4
^NRSG	336/336L	Nursing Care of Children and Families and Lab	4
^NRSG	341/341L	Medical Surgical Nursing I and Lab	5
^NRSG	342/342L	Medical Surgical Nursing II and Lab	5
^NRSG	402W	Professional Nursing Seminar	2
^NRSG	410W	Clinical Management and Research Project	3
^NRSG	412W	Nursing Research and Evidence Based Practice	2
^NRSG	418/418L	Community Health and Psychiatric Mental Health Nursing and Lab	5
^NRSG	419	Synthesis Practicum	3
^NRSG	428/428L	Care of Adults with Complex Illnesses and Lab	<u>5</u>
<i>Total Hours Required</i>			<u>73</u>

Minimum grade of C is required for this course.

^ Minimum grade of B- is required for this course.

WESTOVER HONORS COLLEGE

Dean: Dr. Edward DeClair

Associate Director: Dr. Nancy Cowden

Assistant Director: Dr. Elizabeth Savage

The University of Lynchburg Westover Honors College, which includes a variety of curricular and co-curricular features, is open to approximately forty students in each class. To be considered as a candidate for Westover Honors, students must have ranked in the top 10 percent of their high school graduating class, received superior admission test scores, completed advanced placement courses, and participated in a variety of extracurricular activities. Students already enrolled at the University may apply to the program if their academic performance is outstanding.

The purpose of the Westover Honors College is to attract, stimulate, challenge, and fulfill academically gifted students. Westover Honors offers an innovative approach to general education and prepares students to excel in a world characterized by widespread and rapid change. Westover Honors offers a challenging curriculum that promotes intellectual curiosity and independent thought and places strong emphasis on creative problem solving and critical thinking.

The Westover Honors College is a learning community that provides formal and informal opportunities for interaction of individuals with shared values and vision. It seeks to foster an environment of trust and mutual respect that encourages the free exchange of ideas and the willingness to take risks. Westover Honors College students (called "Fellows") complete a special general education curriculum of fifty-three hours.

As freshmen and sophomores, Westover Honors Fellows enroll in a series of interdisciplinary seminars in humanities, fine arts, science, social science, and mathematics. These seminars explore specific topics in detail, with an emphasis on primary readings and in-class discussions. As juniors and seniors, Westover Honors Fellows enroll in special colloquia and work closely with advisors in their major fields on independent research projects. (See course listings under HONORS.)

The program also offers a variety of enrichment experiences including speakers, films, and trips. Freshman Westover Fellows have the option of living with other first-year Fellows in the first-year experience residence hall.

Students interested in applying to the Westover Honors College should contact the Office of Enrollment Services or the Westover Honors College dean.

Westover Fellows' General Education requirements include:			Hours
HONR	100	Freshman Seminar: The Honors Experience	1
HONR	103W	Advanced English Composition	3
HONR	111	Humanities Seminar	3
HONR	112W	Humanities Seminar	3
HONR	121	Mathematics Seminar	3
HONR	131	Social Science Seminar	3
HONR	211W	Humanities Seminar	3
HONR	212W	Humanities Seminar	3
HONR	221	Fine Arts Seminar	3
One of the following Intermediate Foreign Language courses:			3
FREN	201	Intermediate French	
GRMN	201	Intermediate German	
LATN	201W	Intermediate Latin	
SPAN	201	Intermediate Spanish	
SPAN	205	Intermediate Spanish - Medical	
Eight hours from the following laboratory science courses:			8
BIOL	101	Biological Inquiry	
BIOL	113	Evolution, Ecology, and Organisms	
BIOL	114	Cells: Genetic and Molecular Perspectives	
CHEM	111	Fundamentals of Chemistry I	
CHEM	112	Fundamentals of Chemistry II	
CHEM	127	Chemistry of Life	
ENVS	101-101L	Earth and Environmental Science I and Lab	
ENVS	102-102L	Earth and Environmental Science II and Lab	

PHYS	141	College Physics I	Hours
PHYS	142	College Physics II	
PHYS	161	General Physics I	
PHYS	162	General Physics II	
PHYS	181	Astronomy: The Solar System	
PHYS	182	Astronomy: The Universe	
PSYC	103-105L	General Psychology and Lab	
PSYC	104-106L	General Psychology and Lab	
SCIE	101	Principles of Science I	
SCIE	102	Principles of Science II	
One of the following wellness courses:			2
H P	102	Life Choices for Health and Lifetime Fitness	
HPE	102	Concepts for Exercise and Lifetime Fitness	
Fifteen hours from:			15
HONR	341, 342, 343, 344, 345, 346	Honors Colloquia	3-12
HONR	451W-452	Senior Honors Project	<u>3-6</u>
<i>Total Hours Required</i>			53

The suggested program for the first two years for Westover Honors Fellows is outlined below. It includes:

	<u>FALL</u>			<u>SPRING</u>		
Freshman:	HONR	100	1 hr	HONR	112W	3 hrs
	HONR	103W	3 hrs	HONR	131	3 hrs
	HONR	111	3 hrs	Major/Elect		10 hrs
	HONR	121	3 hrs			
	FORL	201	3 hrs			
	HPE	102	1 hr			
	Major/Elect		3 hrs			
Sophomore:	HONR	211W	3 hrs	HONR	212W	3 hrs
	Major/Elect		10 hrs	HONR	234	4 hrs
				Major/Elect		9 hrs

In the junior and senior years, Westover Honors Fellows concentrate on their majors, as they complete twelve hours of Westover colloquia and their senior thesis project. NOTE: 300-level honors courses are open on a space available basis to non-Westover students on the Dean's List, with consent of the instructor and approval of the Westover Honors College dean.

GENERAL STUDIES

Dr. Allison B. Jablonski, Associate Provost and Dean of General Studies

General Studies courses are offerings of general interest. The Gender Studies minor and Liberal Arts Studies major are interdisciplinary, drawing from many offerings across the University.

Majors and Minors

Gender Studies Minor

Liberal Arts Studies Major

GENDER STUDIES MINOR

The gender studies minor allows students to explore the multiple ways our identities as men and women are constituted, compelled, constrained, and contested. Students will benefit from an interdisciplinary approach requiring critical, analytical thinking that can be applied not only to their own lives but to the world around them.

			Hours
GNDR	210	Introduction to Gender Studies	3
GNDR	410	Gender Studies Capstone Project	3
Nine hours from the following (no more than two courses from any one discipline):			9
ENGL	306	Medieval Literature	
ENGL	334	Gender and Literature	
GNDR	397	Independent Study in Gender Studies	
H P	340	Women's Health Issues	
HIST	336	American Social History	
HIST	344	History of Women in the Americas	
HIST	345	Tudor England	
HIST	375	History of Love, Sex, and the Family in Modern Latin America	
PSYC	261	Psychology of Gender	
SOCI	222	Sociology of Race and Ethnicity	
SOCI	231	Marriage and the Family	
SOCI	247	Gender and Society	
SOCI	264	Social Inequality and Oppression	
SPMG	350	Gender and Sport: Issues and Controversies	
<i>Total Hours Required</i>			<hr style="width: 10%; margin-left: auto; margin-right: 0;"/> 15

LIBERAL ARTS STUDIES MAJOR

The liberal arts studies curriculum emphasizes the goal of liberal arts education through comprehensively structured courses from several academic disciplines in the liberal arts and sciences, for students with wide-ranging interests, in preparation for a post-undergraduate life. This major offers students an opportunity to integrate multidisciplinary perspectives to enhance problem-solving skills and critical thinking through a breadth of understanding and appreciation of similarities and disparities in disciplines. The objective is to prepare students for a variety of professional careers.

Students wishing to obtain a Liberal Arts Studies degree may pursue any one of two options:

1. SELF-DESIGNED/INDIVIDUALIZED MULTIDISCIPLINARY STUDIES OPTION (42 cr. Hrs.) is meant for those students who are highly motivated and self-disciplined (GPA of 3.2 and above). Admission to this option is only with permission of the head of the Liberal Arts Studies program and the faculty committee created by the student from the 2 or 3 disciplines she/he is interested in pursuing.

Admission Requirements

- Students with a GPA of 3.2 and above may submit a proposal for completing a Bachelor's in the (self-designed) Multidisciplinary Studies Major.

- Students must declare their multidisciplinary major prior to completing 60 credit hours of course work.
2. THEMATIC MULTIDISCIPLINARY OPTION (42 cr. hrs.) is meant for students (traditional, non-traditional or transfer students) who have a curriculum emphasizing structured thematic concentrations (see below):
- Admission Requirements
- New, transfer, and returning students may declare their intention to work toward a Bachelor of Liberal Arts Studies degree if they meet University of Lynchburg’s general admission requirements.
 - Students must declare their major prior to completing 60 credit hours of course work.
 - All students admitted into the program are required to meet regularly with the head of the program and with her/his advisory committee.
- a) A triad of currently existing minors under specific themes identified below (including 6 cr. hrs. of pre-capstone and capstone), following consultation with the head of the Liberal Arts Studies program and a committee of related program faculty. Other combinations of minors may be accepted with approval of relevant College Deans and the Associate Provost and Dean of General Studies.

HUMANITIES AND SOCIETY (3 Minors + LIBS 321, 400 = 42 credit hours)
 History, Sociology, English/Foreign Language (French /German/Latin/Spanish) Minors
 History, International Relations or Political Science, Sociology Minors
 Criminology, Political Science, International Relations Minors
 Foreign Language (French/German/Latin/Spanish), History, Human Services Minors
 Criminology or Political Science, Human Services, Latin American Studies Minors

GENDER AND SEXUALITY (3 Minors + LIBS 321, 400 = 42 credit hours)
 Gender Studies, Human Services, Health Promotion Minors
 Gender Studies, Health Promotion, Sociology Minors

SUSTAINABILITY and SOCIETY (3 Minors + LIBS 321, 400 = 42 credit hours)
 Environmental Studies, History, International Relations Minors
 Environmental Studies, English or Creative Writing, Sociology Minors

- b) Structured studies option, following consultation with the head of the Liberal Arts Studies program and a committee of related program faculty.

AMERICAN STUDIES			Hours
LIBS	321	Research and Writing: Liberal Arts Studies	4
LIBS	400	Liberal Arts Studies Capstone Project	2
Six courses from:			18
HIST	203	Crime and Punishment in America	
HIST	255	America to 1877	
HIST	256	America Since 1877	
HMSV	268	Social Welfare Policy	
POLI	220	The American Political Experience	
POLI	221	American Political Culture	
POLI	290	American Public Policy	
SOCI	214	Religion, Symbols, and Culture	
SOCI	222	Sociology of Race and Ethnicity	
SOCI	231	Marriage and the Family	
SOCI	339	Sociology of the South	
SPMG	275	History of Sport in America	
Minimum of five courses from:			15
ENGL	302	American Literature 1607-1865	
ENGL	303	American Literature 1865-1999	
ENGL	337	American Multi-Ethnic Literature	

HIST	301	Rise of the American City	Hours
HIST	336	American Social History	
HIST	340	Atlantic World in the Eighteenth Century	
HIST	347W	Slavery and Race in the Early Americas	
HIST	348	Racism and Empire in the American Context	
HIST	380	America in the 1960s	
POLI	311	The American Presidency	
POLI	372W	United States Foreign Policy	
RELG	305	Seminar in Religion in America	
SPMG	300	Sport in American Society	
SPMG	350	Gender and Sport: Issues and Controversies	

One of the following: 3

SPAN	202	Intermediate Spanish	
XXXX	377	Internship	

Total Hours Required 42

COMPARATIVE LITERATURE AND CULTURE STUDIES

LIBS	321	Research and Writing: Liberal Arts Studies	4
LIBS	400	Liberal Arts Studies Capstone Project	2
XXXX	202	Intermediate Foreign Language	3

Introductory Courses 9

COMM	229	Introduction to Film	
ENGL	220W	Introduction to Literary Studies	
MUSC	102	World Music and Culture	
SOCI	203	Culture, Identity, and Consumption	

Literature in Translation course: 3

FREN	207	French Literature in Translation I	
FREN	208	French Literature in Translation II	
GRMN	208	German Literature in Translation	
LATN	208	Classical Latin Literature in English Translation	
SPAN	208	Hispanic Literature in English Translation	

Intermediate courses (from at least two disciplines): 9

MUSC	215	Jazz and the Origins of Rock Music	
COMM	171	Media and Culture	
ENGL	201	Literature and Culture I: Masterpieces from Antiquity Through the Renaissance	
ENGL	202	Literature and Culture II: Works from the Enlightenment to the Present	
FREN	207	French Literature in Translation I	
FREN	208	French Literature in Translation II	
GRMN	208	German Literature in Translation	
LATN	208	Classical Latin Literature in English Translation	
SOCI	233	Music, Culture, Representation	
SOCI	253	Globalization and Cinema	
SPAN	208	Hispanic Literature in English Translation	
THEA	211	Theatre History and Literature I	
THEA	212W	Theatre History and Literature II	

Advanced courses (from at least two disciplines): 12

COMM	372	Media Criticism	
COMM	395	Cultural Impact of Popular Media	
ENGL	323	Modern Multicultural Literature	
ENGL	337	American Multi-Ethnic Literature	
FREN	300	The Culture and Civilization of France: 400 B.C. to 1789	
FREN	310	French Civilization in French Film	

			Hours
*FREN	311	Survey of French Literature I	
*FREN	312	Survey of French Literature II	
*FREN	313	Survey of French Literature III	
*FREN	314	Survey of French Literature IV	
*FREN	333	Contemporary French Literature I	
*FREN	334	Contemporary French Literature II	
*FREN	398	Special Topics in French	
GRMN	398	Special Topics in German	
MUSC	302	Music History and Literature I	
MUSC	303	Music History and Literature II	
*SPAN	311	Cinema in Spanish	
*SPAN	340	The Culture and Civilization of Latin America	
*SPAN	341	The Culture and Civilization of Spain	
*SPAN	398	Special Topics in Spanish	
*SPAN	460W	Literature in Spanish: Latin America	
*SPAN	461W	Literature in Spanish: Spain	
<i>Total Hours Required</i>			<u>42</u>

* Indicates classes taught in a foreign language.

Study abroad is highly recommended and up to 12 credits of appropriate study abroad courses may be substituted for intermediate and advanced requirements below.

ETHNIC STUDIES

LIBS	321	Research and Writing: Liberal Arts Studies	4
LIBS	400	Liberal Arts Studies Capstone Project	2

Choose five courses: 15

COMM	171	Media and Culture	
HIST	203	Crime and Punishment in America	
INTL	101	Global Politics	
MUSC	102	World Music and Culture	
POLI	260	Honor and Terror Politics: South Asia	
POLI	265	Growling Tigers, Fiery Dragons: The Asia Pacific	
POLI	275	Latin American Politics	
SOCI	203	Culture, Identity, and Consumption	
SOCI	214	Religion, Symbols, and Culture	
SOCI	222	Sociology of Race and Ethnicity	
SOCI	231	Marriage and the Family	
SOCI	264	Social Inequality and Oppression	
SPAN	208	Hispanic Literature in English Translation	

300-level courses: 15

COMM	395	Cultural Impact of Popular Media	
ENGL	323	Modern Multicultural Literature	
ENGL	337	American Multi-Ethnic Literature	
HIST	343	South African History	
HIST	344	History of Women in the Americas	
HIST	347W	Slavery and Race in the Early Americas	
HIST	375	History of Love and Sex in Latin America	
HIST	377	Study Abroad	
INTL	377	Study Abroad	
POLI	301	Developing World	
POLI	377	Study Abroad	
SPAN	311	Cinema in Spanish	
SPAN	340	The Culture and Civilization of Latin America	
SPAN	460W	Literature in Spanish: Latin America	

Foreign language 201 and 202 courses (including Chinese at Randolph College): 6
Total Hours Required 42

EUROPEAN STUDIES

Required courses:			Hours
LIBS	321	Research and Writing: Liberal Arts Studies	4
LIBS	400	Liberal Arts Studies Capstone Project	2
XXXX	202	Intermediate Foreign Language	3
Four courses from:			12
INTL	213	World Regional Geography	
PHIL	214	Greek Philosophy	
PHIL	215	Medieval Philosophy	
PHIL	216	Modern European Philosophers	
POLI	253	Classical Political Thought	
POLI	254	Modern Political Thought	
POLI	283	European Union Politics	
POLI	285	European Union Leadership	
POLI	296	Russia and the European Neighborhood	
RELG	206W	Judaism, Christianity, and Islam	
One literature in translation course:			3
FREN	207	French Literature in Translation I	
FREN	208	French Literature in Translation II	
GRMN	208	German Literature in Translation	
LATN	208	Classical Latin Literature in English Translation	
SPAN	208	Hispanic Literature in English Translation	
THEA	211	Theatre History and Literature I	
THEA	212W	Theatre History and Literature II	
Three courses (from at least two disciplines):			9
ENGL	306	Medieval Literature	
ENGL	353	Literature of the Tudor Dynasty	
ENGL	354	The Golden Age	
ENGL	357	Literature of the Romantic Period	
ENGL	358	Literature of the Victorian Period	
G S	377	Study Abroad	
HIST	305	England to 1485	
HIST	306	Great Britain since 1714	
HIST	339	Atlantic World in the Seventeenth Century	
HIST	345	Tudor England	
HIST	346	The Stuart Century	
Three course (from at least two disciplines):			9
FREN	300	The Culture and Civilization of France: 400BC - 1789	
FREN	310	French Civilization in French Film	
FREN	311	Survey of French Literature	
FREN	312	Survey of French Literature	
FREN	313	Survey of French Literature	
FREN	314	Survey of French Literature	
FREN	333	Contemporary French Literature	
FREN	334	Contemporary French Literature	
FREN	377	Study Abroad	
GRMN	313	Survey of German Literature	
HIST	311	Medieval Culture	
HIST	312	Renaissance and Reformation	
HIST	322	Europe Since 1914	
HIST	323	Greek Civilization	
HIST	324	Roman Civilization	
HIST	341	Age of Courts and Kings	
HIST	342	From Revolution to Armageddon	
HIST	353	The Holocaust	
LATN	398	Special Topics in Latin	

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SPAN	341	The Culture and Civilization of Spain	Hours
SPAN	377	Study Abroad	
SPAN	461W	Literature in Spanish: Spain	
<i>Total Hours Required</i>			<u>42</u>

GLOBAL LANGUAGE STUDIES

Study abroad is highly recommended and up to 12 credits of appropriate study abroad courses may be substituted for primary and secondary language requirements below.

Required courses:

LIBS	321	Research and Writing: Liberal Arts Studies	4
LIBS	400	Liberal Arts Studies Capstone Project	2

Primary Language: 18

At least 6 courses in one language at the 201 level or above. At least 2 of these courses must be at the 300 level or above.

Secondary Language(s): 15

At least 5 language courses in any language other than the primary language at the 101 level or above. These courses may be all in one secondary language or in a combination of two or three secondary languages.

English Language: 3

ENGL	314W	History of the English Language	
ENGL	315W	English Grammar	
<i>Total Hours Required</i>			<u>42</u>

COURSE DESCRIPTIONS

Course Level Descriptions

100-199	Introductory level: primarily for freshmen
200-299	Intermediate level: in some cases presupposes introductory coursework, related experience, or intellectual maturity; primarily for freshmen and sophomores
300-399	Advanced level: usually presupposes previous work and involves specialized study of a subject; primarily for juniors and seniors
400-499	Culminating level: presupposes extensive previous work in the discipline and well-developed discipline-specific skills; usually taken by seniors

Course Descriptions (Credit in semester hours is indicated by a number in parentheses.)

ACCOUNTING COURSES (ACCT)

ACCT 201 PRINCIPLES OF ACCOUNTING I (3) This course introduces basic principles of financial accounting and their application in the analysis, recording, and interpretation of business transactions.

ACCT 202 PRINCIPLES OF ACCOUNTING II (3) *Prerequisite: ACCT 201 (C- or better).* This course reinforces and expands the introduction of basic financial accounting principles. It introduces basic managerial accounting concepts and their application to business decision-making.

ACCT 301 INTERMEDIATE ACCOUNTING I (3) *Prerequisite: ACCT 201 (C- or better)* This is the first course in a two-course sequence of advanced treatment of accounting theory and techniques related to the accounting cycle, revenue recognition, inventory and operational assets.

ACCT 302 INTERMEDIATE ACCOUNTING II (3) *Prerequisites: ACCT 202, 301.* This is the second course in a two-course sequence of advanced treatment of accounting theory and techniques related to liabilities, deferred taxes, earnings per share, derivatives, accounting changes, and the cash flow statement.

ACCT 310 GOVERNMENTAL/NON-PROFIT ACCOUNTING (3) *Prerequisite: ACCT 301.* This course is a study of accounting principles and practices of governmental and non-profit institutions.

ACCT 311 PERSONAL INCOME TAX (3) Students will study the philosophy of taxation, the general concepts of gross income, tax accounting methods, depreciation, tax incentives, capital gains and losses, and specific forces on tax laws as they apply to individuals.

ACCT 313 STRATEGIC COST MANAGEMENT (3) *Prerequisites: ACCT 201-202.* This course deals with concepts and objectives of cost accounting; cost information systems and accumulation procedures; planning and control of factory overhead; materials and labor planning and control; planning of profits, costs, and sales; controlling costs and profits; and costs and profit analysis.

ACCT 319 CORPORATE AND PARTNERSHIP TAXATION (3) This course, designed for marketing, management, economics, business administration, and accounting majors, covers federal income taxation of corporations and partnerships. It includes basic tax planning strategies and introduces tax research techniques.

ACCT 323 BUSINESS LAW FOR ACCOUNTANTS (3) This course is a study of the accountant's legal responsibility including contracts, uniform commercial code, secured transactions, securities, suretyship, and bankruptcy.

ACCT 325 MANAGEMENT ACCOUNTING (3) *Prerequisite: ACCT 202.* This course addresses many accounting tools including cost behavior, budgeting, and performance reporting used by managers to assist them in operating business decisions.

ACCT 360 ACCOUNTING INFORMATION SYSTEMS (3) *Prerequisite: ACCT 202.* Accounting information systems comprise interrelated activities, documents, and technologies designed to collect data, process them, and report information to a diverse group of internal and external decision makers in organizations. This course covers the design, management and control, and audit of computer-based accounting systems.

ACCT 370 FRAUD AND WHITE-COLLAR CRIME (3) This course examines the various types of fraud and white-collar crime, the criminals who commit fraud and white-collar crime, legal, law enforcement, and prosecutorial issues associated with investigating and prosecuting these crimes and their financial impact on organizations and society.

ACCT 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

ACCT 397 INDEPENDENT STUDY IN ACCOUNTING (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

ACCT 398 SPECIAL TOPICS IN ACCOUNTING (1-3) [Credit depends on topic.] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

ACCT 399 INTERNSHIP IN ACCOUNTING (1-6) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator; and supervising faculty prior to registration.* Internships are offered in cooperation with a sponsoring individual or organization to provide students with ongoing educational opportunities in accounting beyond the classroom that are appropriately related to their area of emphasis. (See "Internships.")

ACCT 401 ADVANCED ACCOUNTING (3) *Prerequisites: ACCT 301-302.* This course focuses on the study of specialized accounting theory and techniques of partnerships and consolidations.

ACCT 421 AUDITING PRINCIPLES (3) *Prerequisites: ACCT 301-302.* This course examines the concepts and procedures used in auditing and introduces auditing standards and methods used to obtain evidence.

ACCT 470 FORENSIC ACCOUNTING (3) *Prerequisite: ACCT 201.* Forensic accounting is the application of investigative and analytical skills to resolve financial issues in a manner that meets standards required by courts of law. This course covers the accounting and legal foundations of forensic accounting, forensic accounting tools and standards, and common applications of forensic accounting including fraud investigation, organized crime and terrorism.

ARCHAEOLOGY COURSES (ARCH)

ARCH 301 ARCHAEOLOGY LABORATORY (3) *Prerequisite: HIST 265.* This course will introduce students to laboratory procedures in a functioning archaeological laboratory. Students will learn how artifacts move from the field to final curation, cataloging, or display. Students will wash, label, and bag artifacts by their find locations (context). They will learn to identify materials and artifacts, and assign dates or date ranges to artifacts in the process of maintaining a digital catalog. They will be introduced to statistical and mapping software used for analysis of spatial distributions.

ARCH 302 ARCHAEOLOGY FIELD SCHOOL (6) *Prerequisite: HIST 265.* This field school provides a foundation in current methods and theories of historical archaeology as they apply to archaeological excavation. Students will learn practical skills of site survey, laying out an excavation square, excava-

tion techniques, excavation record keeping, and will be introduced to archaeological laboratory procedures. Because Sandusky House is open to the public, students will also participate in interpreting archaeology to the public.

ARCH 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

ARCH 398 SPECIAL TOPICS IN ARCHAEOLOGY (3) *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during her/his matriculation.

ARCH 399 INTERNSHIP IN ARCHAEOLOGY (1-6) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator; supervising faculty, and school dean prior to registration.* Students may earn college credit for participation in an internship with a company, a government agency, a non-profit organization; jointly supervised by the program and the responsible organization administrator. The internship is expected to provide the student with an opportunity to apply in a practical way some of the skills acquired in the study of Archaeology.

ART COURSES (ART)

ART 110 INTRODUCTION TO VISUAL ART (3) Students will become familiar with the significance of the visual arts through the study of its themes, artists, styles, and forms. In this course, students may experience the visual arts through hands-on learning, slide lectures, or small group activities.

ART 118 CERAMICS I (3) This general survey course of pottery making includes studio assignments in hand building, use of the potter's wheel, glaze formulation, elements of design and decoration, and firing of products. Lectures, demonstrations, critiques, and discussions of ceramicists, periods, and styles provide learning experiences. Second-semester work involves further studies of media, technique, and related overviews. Studio fee required.

ART 122 3-D FORMS AND SPACE I (3) Three-dimensional art production in this course focuses on sculptural processes (assemblages, carving, modeling and the like) to be realized in and/or outside of the traditional studio space. Art creation centers on both traditional and conceptual imagery and themes. The course includes lectures, demonstrations, critiques, applicable field experiences, discussions of sculptors, periods, styles, and a field trip. Studio fee required.

ART 125 DESIGN FUNDAMENTALS I (3) This studio class pursues the relationship of the visual and organizational components in the study and creation of two- and three-dimensional art. Class includes visually supported lectures, discussions, studio work, critiques, and related studies.

ART 154 GRAPHICS I: PROCESS AND TECHNIQUE (3) This is an introductory studio level course exploring fundamental graphic design concepts. Basic design principles and the invention of casual and spatial form within contexts relevant to the design of communication and products will be introduced. Students will gain a working knowledge of the graphic design process through skill building techniques and software applications. Project assignments will coincide with lecture materials, and will enable students to develop critical thinking and visual problem solving skills. Students will acquire a basic skill set for developing graphic design elements. Studio fee required.

ART 156 DRAWING: TECHNIQUES AND TRADITIONS (3) An introduction to the fundamentals of drawing with an emphasis on representational drawing skills, perception and traditional drawing media. Students are exposed to the historical aspects of the discipline of drawing and to a variety of traditional techniques and processes. Learning involves demonstrations, critiques, and discussions of artists, periods, and styles. Studio fee required.

ART 162 PAINTING: TECHNIQUES AND TRADITIONS (3) This course introduces students to traditional painting practices and processes through projects that cover the basic elements of form, color, and technique. Students are exposed to the history of painting and the range of possibilities offered by traditional approaches. Emphasis is on creating illusionary space. While oil painting is the primary medium used, students will explore water based paints and collage techniques. Studio fee required.

ART 166 PHOTOGRAPHY I (3) This course is an introduction to photographic image making, the various methods of output, and basic theory about the cultural significance of photography. Primary emphasis is given to digital photography; students are required to furnish digital camera and accessories. Assignments, lectures, readings, and excursions progressively build on each other to provide students with a comprehensive overview of both the history of the medium and its contemporary practice. Studio fee required.

ART 203 SURVEY OF ART HISTORY I (3) This course surveys Western and non-Western art and architecture and focus on works of art as expressions of the cultures which produced them. Survey of Art History I focuses on the art of prehistory through the early Renaissance. Survey of Art History II focuses on the art of the early Renaissance up to the beginning of the Modern Age. Courses include slide lectures, discussions, and projects.

ART 204W SURVEY OF ART HISTORY II [Writing Enriched] (3) *Corequisites or prerequisites: ENGL 111W-112W or ENGL 223W.* This course surveys Western and non-Western art and architecture and focus on works of art as expressions of the cultures which produced them. Survey of Art History I focuses on the art of prehistory through the early Renaissance. Survey of Art History II focuses on the art of the early Renaissance up to the beginning of the Modern Age. Courses include slide lectures, discussions, and projects.

ART 214 ART FOR ELEMENTARY SCHOOL TEACHERS (3) In this course students will learn the value of creative thinking as it relates to P-5 curriculum and methods for integrating visual art within elementary classrooms. Students will explore where creative arts ideas originate, learn to engage P-5 learners in creative visual art production and begin to construct meaningful experiences for teaching art across the curriculum. Topics include: theory, curriculum design, lesson planning, art methods and process, assessment and classroom safety.

ART 215 ART FOR SECONDARY SCHOOL TEACHERS (3) In this course students will learn to utilize methods and materials appropriate to the teaching of art in the middle and secondary school classroom. Students will explore where creative arts ideas originate, learn to engage middle and secondary school learners in creative visual art production and begin to construct meaningful experiences for teaching art across the curriculum. Topics include: theory, curriculum design, lesson planning, art methods and process, assessment and classroom safety.

ART 218 CERAMICS II (3) *Prerequisite: ART 118.* This general survey course of pottery making includes studio assignments in hand building, use of the potter's wheel, glaze formulation, elements of design and decoration, and firing of products. Lectures, demonstrations, critiques, and discussions of ceramicists, periods, and styles provide learning experiences. Second-semester work involves further studies of media, technique, and related overviews. Studio fee required.

ART 222 3-D FORMS AND SPACE II (3) *Prerequisites: ART 122, 151, 152.* In this course students continue their study of sculptural processes introduced in ART 122. Additional interpretations and applications of both traditional and conceptual imagery, themes, media, and techniques are explored and developed. Studio fee required.

ART 225 DESIGN FUNDAMENTALS II (3) *Prerequisite: ART 125.* This studio class expands upon the topics introduced in ART 125, including more conceptual approaches to art content and design.

ART 245 WEB DESIGN (3) *Prerequisite: ART 154.* This course provides experience in basic web design and development principles. The course will focus on the theory and practice of using computer-driven software programs in the creation of effective multi-page interface design. Students will explore web design concepts, including project planning, layout, usability, accessibility, information design, site structure, site management, and graphic design in context of the web. Students will produce and publish basic websites using HTML, cascading style sheets (CSS), forms, and tables. Studio fee required. Offered in alternate years. Consult with advisor for scheduling.

ART 256 DRAWING: CONCEPTS AND INNOVATIONS (3) *Prerequisites: ART 151, 152, and 156.* This course provides an exploration of how traditional drawing evolves into new visual processes and concepts through continued refinement of perceptual, analytical and imagined interpretations. Print-making processes and mixed media explorations will be introduced as a means to further develop visual expression. Studio fee required.

ART 262 PAINTING: ILLUSION AND BEYOND (3) *Prerequisites: ART 151, 152, 156, and 162.* An exploration of how traditional painting evolves into new visual processes and concepts through continued refinement of perceptual, analytical and imagined interpretations. Projects introduce the purposes and effects of color organization, color perception, and color theory. Emotive, symbolic, descriptive, and structural uses of color are explored as are abstract and non-objective modes of representation. Oil painting is the primary medium used. Studio fee required.

ART 266 DARKROOM PHOTOGRAPHY (3) This course provides an exploration of black-and-white printing techniques and the use of light as a means of creative control. Students learn darkroom techniques, the zone system, studio lighting, and the effects of different papers and films through lectures, demonstrations, assignments and laboratory practice. Lab fee covers paper, film, and access to 35 mm film cameras. Studio fee required.

ART 267 PHOTOJOURNALISM (3) *Prerequisite: ART 166.* This introduction to the principles and practices of journalistic photography includes a study of the history of newspaper and magazine photography. Major emphasis will be placed on the techniques of taking, developing, and printing photographs for newspapers and magazines. Students may serve as staff photographers for the Critograph, Argonaut, and/or other campus publications. Studio fee required.

ART 274 GRAPHICS II: METHODS AND PRACTICE (3) *Prerequisites: ART 151, 154.* This intermediate level course provides students with a survey of graphic design from concept through production. The emphasis on visual problem solving and focus on the theory of design methods will help students further refine visual thinking and integrate basic studies through applied problems. Through experimentation, design problems are defined and organized, and students will manipulate imagery, typography, and message to arrive at successful design solutions. Students will gain an awareness of potential solutions and will make informed design decisions. Studio fee required.

ART 275 INTRODUCTION TO ANIMATION (3) *Prerequisite: ART 166 or 154.* In this introductory course, students are taught the fundamentals of animation. Through lectures, instruction, demonstration, videos, class participation, in-class coursework, and take-home projects students will learn to create several short animations on a variety of different software programs on the Mac platform. Studio fee required.

ART 285 TYPE AND VISUAL COMMUNICATION (3) *Prerequisite: ART 154.* This course involves the use of typography to create meaning. Students will experiment with typographic composition, contrast, text, and value in combination with language. Students will learn the technical aspects of typography and will be exposed to historical developments in typography. An intensive introduction to the fundamentals of type from individual letterforms to large bodies of textual information will be introduced and evaluated as they relate to visual communications. Students will learn the principles of typography and utilize them as vehicles for visual communication. Studio fee required. Offered in alternate years. Consult with advisor for scheduling.

ART 313 ADVANCED DIGITAL PHOTOGRAPHY (3) *Prerequisite: ART 166.* Students will expand their photographic competency while learning techniques to improve their work and build a greater understanding of advanced functions of the digital camera while building their aesthetic vision. The course stresses the development of project and client based works. Major emphasis is placed on the techniques of workflow including the taking, editing, and printing photographs for newspapers, magazines, websites and clients. Adobe Photoshop and Adobe Lightroom, and the Macintosh platform. Studio fee required.

ART 316 INTRODUCTION TO PRINTMAKING (3) *Prerequisites: ART 156, 256.* This course introduces the fundamentals of intaglio and relief printmaking with techniques to include etching, drypoint, aquatint, monotype, linocut and woodcut. Learning involves lectures, demonstrations and hands on studio experiences. Offered in alternate years only, see advisor for scheduling. Studio fee required.

ART 322 **ADVANCED 3-D FORMS AND SPACE (3)** *Prerequisites: ART 122, 151, 152, and 222.* Advanced level study in three-dimensional media and aesthetics--like those of two-dimensional studies--offers opportunities for advanced concept development plus three-dimensional form and space explorations. Students will combine these practices with other art and non-art experiences toward the completion of three-dimensional works eliciting significant content, combined with noted growth of critical evaluative abilities through group discussions and critiques. Studio fee required.

ART 329 **ART OF CLASSICAL ANTIQUITY (3)** This course examines the classical foundations of western art and architecture, beginning with the earliest work in Greece and ending with the collapse of the Roman world order.

ART 333 **RENAISSANCE ART (3)** This course follows the development of the Renaissance in the fifteenth and sixteenth centuries in northern and southern Europe from the Medieval era through the High Renaissance.

ART 335 **TOWARD A MODERN WORLD (3)** This course examines the movements of the seventeenth, eighteenth, and nineteenth centuries from the reactions of the Baroque to the battles between the Academy and Avant-Garde. Slides serve as a primary teaching aid along with the text(s).

ART 339 **HISTORY OF WESTERN ARCHITECTURE (3)** This course explores the development of architecture in Western European culture from the Paleolithic Era to the end of the twentieth century.

ART 340 **20TH CENTURY ART AND CONTEMPORARY ISSUES (3)** The triumph of the Avant-Garde is studied in the painting, sculpture, photography, architecture, and mixed media works of the twentieth century.

ART 356 **ADVANCED STUDIO STUDIES: DRAWING (3)** *Prerequisites: ART 151, 152, 156, 256 or 257, and 262* This course provides advanced level study in drawing that offers opportunities for advanced ideation, visual perception, and the organization of experience into compositions. Primary emphasis is on developing visual expression, skill in using various materials, and growth of critical evaluative abilities through group discussions and critiques. Students are expected to carry out sustained involvement in specific projects focused on process and content. Studio fee required.

ART 357 **FIGURE DRAWING (3)** *Prerequisites: ART 156, 256.* This course involves drawing from a model and employing various media and ranges of interpretation of the figure in art from quick studies to finished portraits and figure groupings. Studio fee required. Offered in alternate years. Consult with advisor for scheduling.

ART 362 **ADVANCED STUDIO STUDIES: PAINTING (3)** *Prerequisites: ART 151, 152, 156, and 262.* This course provides advanced level study in two-dimensional media that offers opportunities for advanced ideation, visual perception, and the organization of experience into compositions. Primary emphasis is on developing visual expression, skill in using various materials, and growth of critical evaluative abilities through group discussions and critiques. Students are expected to carry out sustained involvement in specific projects focused on process and content. Studio fee required.

ART 366 **ALTERNATIVE PROCESS PHOTOGRAPHY (3)** *Prerequisite: ART 166.* This course provided advanced level study in the use of the photo image as part of a broad vocabulary of image-making processes. Students explore cyanotype, van dyke prints, salt printing, tintype, collage, reproduction, and transfer techniques, and are given a working knowledge of the photographic history and medium. Students will also examine historical and contemporary precedents that relate to their own work so that their individual explorations can be brought into dialogue with other perspectives. Students are required to have their own DSLR cameras. Studio fee required.

ART 374 **GRAPHICS III: INNOVATION AND ANALYSIS (3)** *Prerequisites: ART 152, 156, and 274.* This advanced level course will focus on graphic design problem solving and promote analysis of solutions. Students will concentrate on the relationship between message and media, and the exploration of both digital and traditional production techniques. Studio projects will be student driven and include problems integrating typographic, photographic, and historical concepts in graphic communication. Students will be expected to explore, experiment, and make decisions as they relate to standards of professional practice. Studio fee required.

ART 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

ART 397 INDEPENDENT STUDY IN ART (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

ART 398 SPECIAL TOPICS IN ART (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

ART 399 INTERNSHIP IN ART (1-12) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator, and supervising faculty prior to registration.* Internships are offered in cooperation with a sponsoring individual or agency to provide students with ongoing educational opportunities in art beyond the classroom that are appropriately related to their area of emphasis. (See "Internships.")

ART 402 SENIOR STUDIO SEMINAR: CONTEXT, CRITICISM, AND CRAFT (3) *Prerequisites: ART 122, 131-132, 151-152, 156, 162, 166, 256 and 6 hours of other ART courses 200-level and above. One 300 level studio course must be completed before attempting the capstone.* The senior seminar experience in art prepares students for active, life-long engagement in the studio arts. Students will pursue independent research and publication through a semester-long project. Research will result in a public presentation the form of which will be decided in conjunction with the instructor. Projects may include an exhibition or installation, a written thesis with a public defense, community-based research, web-based publication, and/or other forms of public dissemination. Through both inventive and interpretive participation in visual arts activities, students will demonstrate skills in critical thinking, creative problem-solving, and intra/inter personal communication.

ART 405 ART STUDIO WORKSHOP (1-3) *Prerequisites: Basic art experience and approval of the instructor.* This course is an on- or off-campus activity in studio art workshops under specialized instruction (drawing, painting, printmaking, sculpture, ceramics, crafts, photography). The student will be responsible for related expenses. Satisfactory/Unsatisfactory credit only.

ART 407 PORTFOLIO PREPARATION (2) *Prerequisites: ART 152, 156, and 294.* This course focuses on student development of building a professional portfolio (print and electronic). Students will explore self-promotion and prepare for a career or further study in graphic design.

ART 408 GRAPHIC DESIGN SENIOR SEMINAR(1) *Prerequisites: ART 152, 156, and 294.* This advanced studio course focuses on independently solving design problems. This course gives students the freedom and responsibility to pursue practical project work and research, to reflect their personal direction. It also prepares students for the Graphic Design Senior Capstone course. Studio fee required.

ART 409 GRAPHIC DESIGN SENIOR CAPSTONE (3) *Prerequisites: ART 152, 156, 294, 394, 407, and 408.* This culminating course in graphic design explores issues pertaining to design and society while concentrating on the development of creativity, emphasis on pre-professional training in advanced design problems, research, writing, presentation, and related professional skills. This course gives students the freedom and responsibility to pursue practical project work and research, to reflect their personal direction. Interdisciplinary course work may be appropriate. Studio fee required.

ART 411 SUPERVISED PRACTICUM: CAMPUS PUBLICATIONS (1-3) Enrollment in these courses is limited to students holding art offices on the editorial or related staffs of the *Critograph*, *Argonaut*, or *Prism*. Requirements and hour designations are established between instructor and student on an individual basis. Satisfactory/Unsatisfactory credit only.

ART 480 DESIGN PRACTICUM (3) *Prerequisite: a background of working in the discipline and consent of instructor.* This course provides students with professional practice in graphic design. Practical work experience in the course includes client work approved by art faculty. The course functions much like a professional design agency where students maintain clients, and learn about account management, and production. Students will gain an understanding of professionalism and business knowledge while providing a service that would strengthen their portfolio.

ATHLETIC TRAINING COURSES (A T)

A T 100 INTRODUCTION TO ATHLETIC TRAINING (3) This course is an introductory course to the fundamentals of athletic training. This course introduces concepts and practical skills of athletic training, including the prevention, recognition, evaluation, and management of orthopedic injuries and general medical conditions. Course fee required.

AT 175 BASIC ATHLETIC TRAINING SKILLS (3) This course provides students with the skills and knowledge needed to maximize the benefit of athletic training clinical education. Some of the skills included in this course are taping, wrapping, protective padding fabrication, protective equipment fitting and modality application. Course fee required.

A T 350W THERAPEUTIC INTERVENTIONS I [Writing Enriched] (3) *Prerequisites: AT 100, BIOL 222/222L, 223/223L, and ENGL 111W-112W or ENGL 223W.* Therapeutic exercise and how it affects tissue healing and its role in the treatment of injuries will be examined. Basic components, design, and implementation of rehabilitation programs will be discussed and practiced. Therapeutic modalities will be introduced.

BIOLOGY COURSES (BIOL)

BIOL 101 BIOLOGICAL INQUIRY (4) In this course, students will explore a topic in biology as impetus to learning about scientific discovery. The primary emphases in this course include scientific ways of knowing, causal and correlational relationships, reasoning, and interpreting data from either personal or published data.

BIOL 113 EVOLUTION, ECOLOGY, AND ORGANISMS (4) Three hours of lecture and three hours of laboratory. The emphasis of this course is on the fundamentals of the relationships among organisms and their environment. This course serves primarily as the first part of a two-semester introduction for those students planning to major in biology or biomedical sciences.

BIOL 114 CELLS: GENETIC AND MOLECULAR PERSPECTIVES (4) Three hours of lecture and three hours of laboratory. Understanding of organismal structure and function is based on knowledge of the underlying cellular and molecular structure and function. These in turn are controlled by the genetic mechanisms that determine cellular structure and behavior. The relationships among cells, molecules, and their genetic controls are the focus of this course. This course serves primarily as the second part of a two semester introduction for those students planning to major in biology or biomedical sciences.

BIOL 205W PLANT BIOLOGY [Writing Enriched] (4) *Prerequisites: BIOL 113-114 or ENV5 101/101L-102/102L, and ENGL 111W-112W or ENGL 223W.* Three hours lecture and three hours laboratory. This course examines the evolution, structure, function, physiology, basic ecology, and life histories of organisms traditionally studied in the context of botany, including photosynthetic bacteria, protists, plants, and fungi. Labs complement lecture content, providing opportunities to gain skills in microscopy, morphology, ecology, and classification.

BIOL 210 ANIMAL BIOLOGY (4) *Prerequisites: BIOL 113-114 or ENV5 101/101L-102/102L.* Three hours lecture and three hours laboratory. Introduction to the structure, function, and ecology of the major groups of protozoans and animals within the context of a modern phylogenetic perspective. Special emphasis is placed on the modification of structure and function by natural selection within different animal groups as adaptations to specific physiological and ecological constraints.

BIOL 214 HUMAN ANATOMY (3) Three hours lecture. This course is a study of the structures of the body with emphasis on the organ systems involved in movement. Introductory material focuses on terminology, examining the hierarchical organization of the body and study of the four major tissues of the body. Subsequently, the interrelationships among the bones, joints, muscles, nerves, and blood supply of each body region are examined using a regional approach. This course is designed to meet the outcomes expected for pursuing upper-level courses in the HMSR majors.

BIOL 214L HUMAN ANATOMY LABORATORY (1) *Corequisite or prerequisite: BIOL 214.* Three hours laboratory. The primary goal of the laboratory course is to provide a hands-on opportunity for students to apply the terminology and concepts covered during lecture. Accordingly, physical models, dissection, computer software, and Internet resources are used as part of a problem-solving pedagogy in which collaborative learning is emphasized.

BIOL 215 HUMAN PHYSIOLOGY (3) Three hours lecture. This course is a study of the function, integration, and interaction of various organ systems in the body. Introductory material focuses on an overview of organ systems, the concepts of homeostasis and negative feedback, and fundamental chemical, physical, and cellular concepts. Subsequently, the physiology of the systems involved in movement and exercise, particularly the nervous, endocrine, muscular, cardiovascular, pulmonary, digestive, and urinary systems are emphasized. This course is designed to meet the outcomes expected for pursuing upper-level HMSR major courses.

BIOL 215L HUMAN PHYSIOLOGY LABORATORY (1) *Corequisite or prerequisite: BIOL 215.* Three hours laboratory. The primary goal of the laboratory course is to provide a hands-on opportunity for students to apply the principles and concepts covered during lecture. Accordingly, physiological experiments, physical models, computer software, and Internet resources are used as part of inquiry-based, problem-solving pedagogies in which collaborative learning is emphasized.

BIOL 220W CELLULAR DIVERSITY [Writing Enriched] (4) *Prerequisites: C- or better grade in BIOL 113-114, CHEM 111, and ENGL 111W-112W or ENGL 223W.* Three hours lecture and three hours lab. This course introduces the student to the connectivity between all cellular forms of life, with its primary focus being the kingdoms of fungi and protists and their evolution from and parallel to prokaryotic organisms (bacteria and archaea). Specific topics include systematics and evolution, endosymbiosis, evolution from single to multi-celled life, and molecular aspects of communication and cell structure. Students will integrate a cellular view into their understanding of biology. Laboratories focus on microscopy, histology, and basic culture, molecular and biochemical techniques for cells.

BIOL 222 HUMAN ANATOMY AND PHYSIOLOGY I (3) Three hours lecture. This course explores the fundamental structure and function of the human body, beginning at the cellular and molecular level of organization and progressing through integumentary, skeletal, nervous, and endocrine systems.

BIOL 222L HUMAN ANATOMY AND PHYSIOLOGY LABORATORY I (1) *Corequisite or prerequisite: BIOL 222.* Three-hour laboratory to accompany BIOL 222.

BIOL 223 HUMAN ANATOMY AND PHYSIOLOGY II (3) *Prerequisite: BIOL 222.* Three hours lecture. This course explores fundamental structure and function of muscular, cardiovascular, pulmonary, digestive, renal, and reproductive systems in human beings. Emphasis is placed on interrelatedness of organ systems and applications to allied health professions.

BIOL 223L HUMAN ANATOMY AND PHYSIOLOGY LABORATORY II (1) *Corequisite or prerequisite: BIOL 223.* Three-hour laboratory to accompany BIOL 223.

BIOL 233 TROPICAL BIOLOGY (1-3) *Prerequisites: BIOL 113-114, ENVS 101/101L-102/102L or equivalent.* This course examines extremely diverse ecosystems of the tropical forests which provide excellent opportunities to study several basic concepts of biological and environmental science. Students also study the unique fauna and flora of the tropical forest and learn how and why this ecosystem is threatened.

BIOL 238 INTRODUCTION TO RESEARCH (1-3) *Prerequisite: Consent of supervising instructor.* This course provides the beginning student the opportunity to conduct lab, field, or library research under the supervision of a faculty member. Credit is dependent upon the scope of the work.

BIOL 305 PLANT ECOLOGY (4) *Prerequisites: BIOL 205, MATH 103 and STAT 222.* Three hours lecture and three hours laboratory. This course focuses on ecological constraints that plants experience by virtue of their predominantly sessile lifestyle. Populations dynamics, competition, plant-animal interactions, community structure, function, succession, and the influence of abiotic factors will be considered. Lab exercises emphasize problem-solving approaches to a series of field investigations.

BIOL 309 ENVIRONMENTAL ENTOMOLOGY (4) *Prerequisites: BIOL 113-114 or ENVS 101/101L-102/102L; BIOL 210 recommended.* Three hours lecture and three hours laboratory. An introduction to insect structure, function, adaptation, and ecology, with an emphasis on insect interactions with their natural environments and with humans. Students will be trained in insect, sampling, curation, and identification during labs, lectures, and field trips. The utility of insects in assessing the health of terrestrial and aquatic ecosystems (biomonitoring) will be a key component of the course.

BIOL 310 ORNITHOLOGY (4) *Prerequisites: BIOL 113-114 or ENVS 101/101L-102/102L; BIOL 210 recommended.* Three hours lecture and three hours laboratory. Introduction to avian biology with an emphasis on the evolution, classification, physiology, behavior, ecology, natural history, and conservation of birds. Laboratory focuses on anatomical adaptations and biodiversity, as well as on field identification of birds of the Mid-Atlantic States with field trips to local and regional areas.

BIOL 313 MARINE BIOLOGY (4) *Prerequisites: BIOL 113-114 or ENVS 101/101L-102/102L.* Three hours lecture and three hours laboratory. This introduction to the marine environment emphasizes the influence of oceanographic, evolutionary, and ecological principles on marine organisms and ecosystems. Discussion of the diversity of marine life focuses on the constraints of different marine ecosystems. Students gain experience in field identification of marine organisms during the laboratory. The laboratory is conducted at selected sites on the ocean and in the estuary. A small additional cost will be incurred for a field trip.

BIOL 314 BIOLOGY OF WEST INDIAN CORAL REEF ORGANISMS (3) (Winter Term) *Prerequisites: BIOL 113 or ENVS 101/101L.* This course covers the organisms inhabiting the coral reefs of the West Indies and will be taught on San Salvador Island in the Bahamas. Field work is intensive, and skin diving and optional scuba techniques are employed. Limited collections are made, and a paper on a topic of special interest is required. An additional fee will be charged to cover expenses.

BIOL 321W GENERAL ECOLOGY [Writing Enriched] (4) *Prerequisites: BIOL 113-114 or ENVS 101/101L-102/102L.; ENGL 111W-112W or ENGL 223W, MATH 103 or STAT 222; junior or senior standing.* Three hours lecture and three hours laboratory. This course is a survey of general ecological principles from the evolutionary perspective, incorporating multiple levels of analysis (e.g. population, community, etc.). Primary emphasis is placed on framing ecological theory in perspective with field models of ecological principles from historical and current research.

BIOL 323 GENETICS (4) *Prerequisites: BIOL 113-114, ENVS 101/101L-102/102L, or CHEM 111-112.* Three hours lecture and three hours laboratory. Basic concepts and principles of prokaryotic and eukaryotic genetics are discussed, including Mendelian inheritance, polygenic inheritance, linkage and mapping chromosome aberrations, population genetics, DNA structure and replication, gene expression, mutation, gene regulation, recombinant DNA technology, and the molecular basis of disease. Lab exercises utilize bacteria, plants, and animals as model systems.

BIOL 332 VERTEBRATE ANATOMY (4) *Prerequisites: BIOL 113-114; BIOL 210 recommended.* Three hours lecture and three hours laboratory. This course provides a comparative study of the development, structure, and relationships of different organ systems in various vertebrate groups. Recommended for pre-medical, pre-dental, and medical technology students.

BIOL 333 VERTEBRATE PHYSIOLOGY (4) *Prerequisites: BIOL 113-114, CHEM 111-112; BIOL 210 recommended.* Three hours lecture and three hours laboratory. This course is a study of the cellular and molecular bases of organ system function in vertebrates, primarily humans. Emphasis is placed on nervous and endocrine control systems and the coordination of body functions. Clinical examples are frequently used.

BIOL 345 ANIMAL BEHAVIOR (4) *Prerequisites: BIOL 113-114 or ENVS 101/101L-102/102L, and MATH 103 or STAT 222.* Three hours lecture and three hours laboratory. This course includes a review

of concepts of animal behavior and the methods employed to study behavior including an analysis of mechanistic and adaptive aspects of behavior in a variety of animal taxa. Emphasis is placed on analysis of current primary literature and development of critical tests of behavior.

BIOL 356 NEUROBIOLOGY (4) *Prerequisites: BIOL 113-114; BIOL 220 recommended.* Three hours lecture and three hours laboratory. This course serves primarily as a companion course to Physiological Psychology (PSYC 355) but can also serve as a stand-alone course for anyone interested in the biology of the human nervous system. Introductory material focuses on an overview of the organization of the nervous system and on cellular aspects of neural function. Subsequent emphasis is on reflexes, sensory function, motor function, and sensorimotor integration.

BIOL 360 MOLECULAR CELL BIOLOGY (4) *Prerequisites: BIOL 113-114; CHEM 111-112, 221; BIOL 220 recommended.* Three hours lecture and three hours laboratory. This course introduces the student to the complex events occurring in the nucleus of the cell, resulting in cell division and the continuation of species. It also examines the molecular processes of cell differentiation, cell signaling, cancer, and events that cause DNA mutations.

BIOL 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

BIOL 397 INDEPENDENT STUDY IN BIOLOGY (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

BIOL 398 SPECIAL TOPICS IN BIOLOGY (1-4) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her enrollment.

BIOL 399 INTERNSHIP IN BIOLOGY (1-12) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator, and supervising faculty prior to registration.* This course is offered to qualified students allowing them to gain personal and practical experience in various areas of the biological sciences. Internships include but are not limited to research projects with professionals, laboratory analysis and management, conservation management, statewide or regional conservation, fisheries, wildlife or botanical projects, and a variety of other possible on-site experiences. (See "Internships.")

BIOL 405 EVOLUTION (3) *Prerequisites: BIOL 113-114 or ENVS 101/101L-102/102L; CHEM 111-112; BIOL 323 recommended.* Evolutionary biology addresses fundamental questions whose answers influence all other levels of biological understanding, from molecular and cellular biology to ecological processes. This course will provide a survey of the basic concepts of evolutionary biology, address empirical methods in evolutionary biology, and examine the importance of an evolutionary understanding across other sub-disciplines.

BIOL 424 MICROBIOLOGY (4) *Prerequisites: BIOL 113-114, CHEM 111-112 with a C- or better in all; BIOL 220 recommended.* Three hours lecture and three hours laboratory. The ecological, genetic and molecular basis of the microscopic world is studied with an emphasis on the prokaryotes; the bacteria and archaea. Human microbial disease investigation includes virology, mycology (fungi), and bacterial infections as well as drug treatments, and case studies of infection and epidemiology. Labs concentrate on classic microbiological techniques, microscopy, biochemistry and genetics of prokaryotic organisms.

BIOL 428 INDIVIDUAL RESEARCH IN BIOLOGY (1-6) *Prerequisites: Junior or senior standing; consent of supervising instructor.* This independent opportunity to conduct a field, laboratory, or literary study project culminates in a formal paper and/or presentation as directed by the supervising instructor. Credit is dependent on the nature of the work but may not exceed three credit hours per semester.

BIOL 480 CASE STUDIES IN BIOLOGY (3) *Prerequisite: Senior standing.* Three hours lecture. This course is intended as a capstone course and is designed to allow students to study specific topics in biology in depth. It utilizes case studies in biology and draws upon previous coursework in the biology major. Emphasis is placed on critical thinking and problem solving skills.

BIOL 490 BIOLOGY SEMINAR (1) *Prerequisite: Senior standing.* This seminar is intended as a capstone course and provides an opportunity for students to study a range of biological questions presented by outside speakers. Additionally, students' communication skills are assessed through oral presentations on internships or individual research projects, as well as other topics.

BIOMEDICAL SCIENCE COURSES (BIOM)

BIOM 238 INTRODUCTION TO RESEARCH (1-3) *Prerequisite: Consent of supervising instructor.* This course provides the beginning student the opportunity to conduct lab, field, or library research under the supervision of a faculty mentor. Credit is dependent on the scope of the work.

BIOM 301W BIOMEDICAL SCIENCE SEMINAR [Writing Enriched] (1) *Prerequisite: Junior or senior standing, and ENGL 111W-112W or ENGL 223W.* One hour lecture. Students meet for presentations (prepared by the students) on various aspects of careers and trends in the health-related professions. Topics may include ethics in medicine, current research problems in the health fields, health insurance options, job outlook predictions for various medical specialties, average QPA and MCAT scores for last year's entering class, demonstrations of interesting websites, and standardized test and interview preparation. Experimental design is also addressed. The grade is based on attendance, presentations, several short essays, and a final paper on which the student can base the essay required for professional school application.

BIOM 312 FORENSIC SCIENCE (4) *Prerequisites: Satisfactory completion of the following: BIOL 114, CHEM 112.* This course introduces the student to the forensic science profession. Course topics include crime scene investigation, techniques used for the identification and analysis of body fluids, hair, glass, fibers, latent fingerprints, firearms, and narcotics. Laboratory experiments emphasize the collection/preservation of evidence, serology, wet chemical techniques, microscopy, and the use of spectroscopic instrumentation.

BIOM 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

BIOM 397 INDEPENDENT STUDY IN BIOMEDICAL SCIENCE (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

BIOM 398 SPECIAL TOPICS IN BIOMEDICAL SCIENCE (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her enrollment.

BIOM 399 INTERNSHIP IN A HEALTH PROFESSION (1-12) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA, approval of written proposal by internship coordinator, and supervising faculty prior to registration.* This internship provides practical experience in the health professions under supervision of a qualified professional. A final written report is required of the student intern. (See "Internships.")

BIOM 420 CANCER BIOLOGY (3) *Prerequisites: BIOL 113-114; recommended BIOL 360.* Three hours lecture. This course will address current issues in cancer: the genesis and progression of a tumor, types of tumors, mechanisms of tumorigenicity and effective treatment strategies.

BIOM 428 INDIVIDUAL RESEARCH IN BIOMEDICAL SCIENCE (1-6) *Prerequisites: Junior or senior standing; consent of supervising instructor.* This independent opportunity to conduct a field, laboratory, or literary study project culminates in a formal paper and/or presentation as directed by the supervising instructor. Credit is dependent on the nature of the work but may not exceed three credit hours per semester.

BIOM 454 IMMUNOLOGY (4) *Prerequisites: BIOL 113-114, and CHEM 111.* Three hours lecture and three hours laboratory. A study of the structure and function of the mammalian immune systems, principally focused on mouse and human immunology. This course builds basic knowledge about the function of the cellular components of immunity and examines an integrated view of the biochemical and genetic aspects that contribute to immune action in infectious disease and immune disorders.

BUSINESS ADMINISTRATION COURSES (BUAD)

BUAD 100 PERSPECTIVES ON BUSINESS (3) This course presents basic concepts and problems found in business. Topics such as marketing, organizational forms, management, production, finance, and economics are discussed. The business environment is also emphasized, including the global, social, ethical, political, legal, and regulatory business environment. Leading business executives bring the “real world” to the classroom, and a technological component emphasizing computer presentation software is presented. Team-building skills are strongly emphasized and developed.

BUAD 222 ETHICAL DILEMMAS IN BUSINESS AND LEADERSHIP (3) This course examines moral and ethical dilemmas related to business and leadership, including ethical decision making and core decision making skills in the business environment. Close attention will be paid to contemporary ethical dilemmas faced by business, political and world leaders.

BUAD 241 BUSINESS STATISTICS (3) This course focuses on the development of the theory of inferential statistics with the aim of generating an understanding of the selection, application, and interpretation of statistical methodology necessary for making informed management decisions. Topics include sets and probability, probability distributions, expected value, statistical measures, sampling distributions, estimation, and hypothesis testing. Note: business and economics majors will not meet the statistics requirement by substituting STAT 222 for BUAD 241.

BUAD 243 DATA MINING (3) This hands-on course focuses on the application of current data mining techniques in business and economics. Supervised and unsupervised learning techniques will be discussed, including association rules, decision trees, and classification. These are applicable in marketing (customer profiling), economics (fraud detection), accounting (auditing), information systems (security), and a variety of other contexts.

BUAD 265 LEADERSHIP AND THE CLASSICS (3) This course studies the concepts and techniques of effective leadership. The classics are used as resources to gain insightful knowledge about ways in which concepts and techniques of leadership work in the business environment.

BUAD 322 LEGAL ENVIRONMENT OF BUSINESS (3) This course examines legal principles and ethics, the role of law in society, and the legal environment in which business operates.

BUAD 352 PRINCIPLES OF INTERNATIONAL BUSINESS (3) *Prerequisites: ACCT 201, ECON 201-202, and MGMT 260.* An introduction to the study of the theory and practice of the field of international business that focuses on managerial, operational, strategic, and environmental factors. The roles of intercultural communications and cross-cultural awareness in successful global strategies are emphasized. Analysis of the procedures and processes of international business and alternative modes of entry are also stressed.

BUAD 377 STUDY ABROAD (3) *Prerequisite: Permission of instructor.* This course is a study-course experience, normally lasting one week, that takes students outside the United States. The purpose is to deepen students’ understanding of other cultures as they learn how the requirements for operating a successful enterprise differ from those in the United States. This is accomplished through a series of papers completed prior to and following the study-tour experience.

BUAD 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

BUAD 397 INDEPENDENT STUDY IN BUSINESS ADMINISTRATION (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

BUAD 398 SPECIAL TOPICS IN BUSINESS ADMINISTRATION (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her enrollment.

BUAD 399 INTERNSHIP IN BUSINESS (1-12) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator and supervising faculty prior to registration.* Internships are offered in cooperation with a faculty sponsor responsible for academic quality who assigns the final grade. Student interns may or may not be paid for their work. (See "Internships.")

BUAD 406 INTRODUCTION TO ENTREPRENEURSHIP (3) *Prerequisites: ACCT 201-202.* This course emphasizes aggressive strategic planning of entrepreneurial projects. The course integrates professional management and entrepreneurial values, concepts, and tools. Students are coached through development of strategic plans for their projects.

BUAD 430 PRACTICUM IN BUSINESS (3) *Prerequisite: Senior standing in a School of Business And Economics major.* This course provides the student with firsthand experience in problem solving and decision making in a business environment. Students will work as part of a team on an actual business case culminating in a thorough report recommending solutions for the firm's problems.

BUAD 441W INTEGRATED APPLICATION OF BUSINESS PRINCIPLES [Writing Enriched] (3) *Prerequisites: ECON 201-202, ENGL 111W-112W or ENGL 223W, FIN 317, MGMT 244, 260, and MKTG 209.* This course focuses on integrating business theory and practice. Students apply core business concepts (accounting, economics, finance, law, management, marketing, and operations management) to develop a business plan. Students also explore topics associated with the strategic management and control of small- to medium-size business enterprises.

CHEMISTRY COURSES (CHEM)

CHEM 111 FUNDAMENTALS OF CHEMISTRY I (4) *Prerequisite or corequisite: MATH 102 or 103.* Three hours lecture and three hours laboratory. This course covers fundamental principles and concepts necessary for a successful understanding of major aspects of chemistry. Major topics include atomic structure, periodicity, bonding, and intermolecular forces.

CHEM 112 FUNDAMENTALS OF CHEMISTRY II (4) *Prerequisites or corequisites: CHEM 111, MATH 102 or 103.* Three hours lecture and three hours laboratory. This course is a continuation of CHEM 111 and continues to cover fundamental principles and concepts necessary for a successful understanding of major aspects of chemistry. Major topics for this course include chemical reactions, thermodynamics, kinetics, equilibrium, acid/base chemistry, and electrochemistry.

CHEM 127 THE CHEMISTRY OF LIFE (4) This is an introductory course in general, organic, and biological chemistry recommended for, but not restricted to, those who are preparing for nursing. Major concepts include atomic structure, chemical bonding, acid/base chemistry, carbon-containing compounds, and biomolecules (carbohydrates, proteins, and lipids). The laboratory is designed to investigate the role chemistry plays in biological life processes.

CHEM 206 ENVIRONMENTAL CHEMISTRY (4) *Prerequisite: Satisfactory completion of CHEM 111.* Three hours lecture and three hours laboratory. This course can substitute for CHEM 112 for environmental science majors only. This course focuses on the application of fundamental chemical principles to environmental problems. Laboratory techniques and field collection methods used in modern environmental analysis are introduced to assess aspects of water quality, atmospheric chemical reactions, and soil chemistry.

CHEM 221 ORGANIC CHEMISTRY I (4) *Prerequisites: A grade of C- or better in both CHEM 111 and 112.* Three hours of lecture and three hours of lab. The fundamentals of organic chemistry are presented with an emphasis on the nomenclature, stereochemistry and reaction mechanisms that functional groups undergo. Specifically, the reactions of alkyl halides, alkenes and alkynes are reviewed. Laboratory techniques used to synthesize, purify, and analyze organic compounds are investigated. Spectroscopic and instrumental methods of analysis are also examined with a focus on IR spectroscopy.

CHEM 222 ORGANIC CHEMISTRY II (4) *Prerequisite: CHEM 221 with a grade of C- or better.* Three hours of lecture and three hours of laboratory. The fundamentals of organic chemistry are further explored in this course. The nomenclature, stereochemistry and reaction mechanisms of specific functional groups are expanded upon. Specifically, the reactions of aromatic compounds and carbonyl chemistry are explored. This course emphasizes the multistep synthesis of small organic compounds and an exploration into retrosynthetic analysis. More advanced organic laboratory techniques used to synthesize, purify, and analyze organic compounds are investigated. Spectroscopic and instrumental methods of analysis are examined with emphasis on H1 and C13 NMR and MS.

CHEM 238 INTRODUCTION TO RESEARCH (1-3) *Prerequisite: Consent of supervising instructor.* This course provides the beginning student the opportunity to conduct lab, field, or library research under the supervision of a faculty member. Credit is dependent upon the scope of the work.

CHEM 242W RESEARCH METHODOLOGY IN CHEMISTRY [Writing Enriched] (3) *Prerequisites: CHEM 111-112 and ENGL 111W-112W or ENGL 223W.* One hour lecture and three hours laboratory. This course introduces the student to chemistry research protocols including experimental design, conducting a literature review, and introductory instrumentation. Students will create and present an independent research proposal based on their review of the chemical literature.

CHEM 320 INTRODUCTORY BIOCHEMISTRY (4) *Prerequisites: CHEM 221-222.* Three hours lecture and three hours laboratory. This course is a study of the structure and function of biological macromolecules and the relation of chemistry to metabolic processes. Biochemistry is especially recommended for biology majors and pre-health science students.

CHEM 352 ADVANCED ORGANIC CHEMISTRY (3) *Prerequisite: CHEM 222.* Three hours lecture. This course explores advanced topics in organic chemical bonding and reactivity, including molecular orbital theory, stereochemistry, stereoelectronic effects, molecular rearrangements, structure-reactivity relationships, pericyclic reactions, additions, and condensations. These concepts are applied in the study of organic synthesis and determination of mechanisms. Modern spectroscopic methods, including mass spectrometry, infrared spectroscopy, and one- and two-dimensional nuclear magnetic resonance spectroscopy will be emphasized. Structure determination using a combination of methods will also be emphasized.

CHEM 359 ANALYTICAL CHEMISTRY I (4) *Prerequisite: CHEM 112.* Three hours lecture and three hours laboratory. This course focuses on the theory and practice of modern analytical chemistry including volumetric and electrochemical methods, sample collection, preparation, and sample validation. Laboratory work is designed to complement this study.

CHEM 360 ANALYTICAL CHEMISTRY II (4) *Prerequisite: CHEM 359.* Three hours lecture and three hours laboratory. This course examines theoretical and experimental aspects of instrumental analysis with an emphasis on modern chromatographic, spectroscopic, and electrochemical methods.

CHEM 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

CHEM 397 INDEPENDENT STUDY IN CHEMISTRY (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

CHEM 398 SPECIAL TOPICS IN CHEMISTRY (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her enrollment.

CHEM 399 INTERNSHIP IN CHEMISTRY (1-12) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator and supervising faculty prior to registration.* This internship is offered to provide practical experience in applications of chemical knowledge while under the supervision of a qualified professional. Internship opportunities are limited. Only three hours of this course may be applied toward the chemistry major. (See "Internships.")

CHEM 421 PHYSICAL CHEMISTRY I (4) *Prerequisites: CHEM 242W, PHYS 141-142 or 161-162. Strongly recommended: MATH 301.* Three hours lecture and three hours laboratory. This course focuses on theoretical and experimental principles of chemistry that are used to explain and interpret observations made on states of matter. This course focuses on an in-depth understanding of equilibrium thermodynamics and chemical kinetics. Key topics include internal energy, work, enthalpy, entropy, Helmholtz free energy, Gibb's free energy, chemical potential as they relate to the solids, liquids, gases, and mixtures. Students keep a journal-style laboratory notebook and submit reports consistent with American Chemical Society style guidelines.

CHEM 422 PHYSICAL CHEMISTRY II (4) *Prerequisite: CHEM 421.* Three hours lecture and three hours laboratory. This course focuses on the theoretical and experimental principles of chemistry that are used to explain and interpret chemical data. This course will focus on chemical quantum mechanics with a particular emphasis on the Schrodinger equation and the postulates of quantum mechanics. Quantum mechanical models will be developed for the particle-in-a-box, harmonic oscillator, rigid rotor, and hydrogen atom. These models will be studied as they relate to spectroscopic properties of atoms and molecules. In addition, computational methods in chemistry will be investigated. Students keep a journal-style laboratory notebook and submit reports consistent with American Chemical Society style guidelines.

CHEM 428 INDIVIDUAL RESEARCH IN CHEMISTRY (1-6) *Prerequisites: Junior or senior standing; consent of supervising instructor.* This independent opportunity to conduct a field, laboratory, or literary study project culminates in a formal paper and/or presentation as directed by the supervising instructor. Credit is dependent on the nature of the work but may not exceed three credit hours per semester.

CHEM 441 CHEMISTRY SEMINAR (1) *Prerequisite: Senior standing.* Two hours lecture. This capstone course focuses on advanced scientific written and oral communication skills, scientific philosophy, research methodology, and scientific reasoning.

CHEM 461 SENIOR PROJECT I (2) *Prerequisites: Senior standing and completion of CHEM 242W.* Students will conduct an individual research project under the guidance of a faculty member. Students are expected to meet weekly with their peers and faculty to discuss progress. Students will present periodic written and oral reports of their progress and keep accurate records in a research notebook.

CHEM 462 SENIOR PROJECT II (1) *Prerequisites: Senior standing and completion CHEM 461.* Students will continue an individual research project under the guidance of a faculty member. Students are expected to meet weekly with their peers and faculty to discuss progress. Students will present periodic written and oral reports of their progress and keep accurate records in a research notebook. Students will present a final written research report on their project as well as present their findings at the annual Tri-College Chemistry Consortium.

COMMUNICATION COURSES (COMM)

COMM 101 ARGUMENTATION AND PRACTICAL REASONING (3) This course in oral argumentation emphasizes student ability to support and refute claims, master linear organization, and deliver arguments confidently and effectively. In creating and delivering arguments across topics and disciplines, students are introduced to such basics of critical thinking as inductive and deductive reasoning, recognition of fallacies, and argument analysis.

COMM 104 INTRODUCTION TO MEDIA TECHNOLOGY (3) This course will introduce basic technologies that are vital to success in communication courses requiring video and multi-media production and will serve as a foundation for the advanced study of media production techniques. Students will receive instruction in the aesthetics and hands-on application of various technologies related to the communication field including video camera operation, digital video editing, and media presentation software.

COMM 112 INTERPERSONAL COMMUNICATION (3) This course focuses on traditional and contemporary theory and research in interpersonal communication in formal and informal settings. Practical application with attention to communication concepts and behaviors such as self-concept, perception, verbal and non-verbal codes, relational development, maintenance, and termination are included.

COMM 114 SMALL GROUP COMMUNICATION (3) This course focuses on theory and research relevant to the communication process in formal and informal small group settings. It provides practical application through participation in structured and unstructured group simulations, and effective group participation, including group influence, leadership, role behavior, attraction, cohesiveness, interaction networks, decision making, problem solving, and discussion agenda systems.

COMM 171 MEDIA AND CULTURE (3) Mass media play a prominent role in our lives, conveying cultural meaning that impacts us on many levels, from the global to the everyday. This course examines the dynamic relationship between mass media and culture. Students will also explore the history, structure, and regulation of mass media industries.

COMM 180 STAGE AND STUDIO TELEVISION (3) This course introduces the aesthetics, technology, and practices of working in a television studio environment. Critical analysis of directing techniques and directorial problem solving are included. Students will engage in a series of training exercises and larger projects that develop basic skills in all the major duties associated with conducting a studio production. Additionally, they will be introduced to standard audio studio practices.

COMM 201W MEDIA WRITING I [Writing Enriched] Prerequisites: ENGL 111W-112W or ENGL 223W. (3) A study of the principles and practices of writing for print, broadcast, and online media. The emphasis is on acquiring skills in reporting, writing, and the presentation of information.

COMM 202 MULTIMEDIA NEWS WRITING AND REPORTING (3) Prerequisite: COMM 104 and 201. Writing for publication in campus media, students gain skills in news style and form for online and print mediums. Students are expected to be part of and work in The Critograph newsroom. Students work in teams and produce one story a week developing their writing and reporting skills. Students begin work on their E-Portfolio.

COMM 206 ADVERTISING AND PRODUCTION DESIGN (3) Prerequisites: COMM 104 and 201. This course focuses student activity on the development of planning, writing, and production techniques for promotional media including commercials and public service announcements for radio and television, as well as other forms of promotional electronic media. Students will analyze professional examples of promotional media, formulate scripts based on desired client messages, and then design and execute productions of their scripts.

COMM 228 PUBLIC PRESENTATION (3) Prerequisite: COMM 101 or 114. This course moves beyond the basics of argument and persuasion to develop theoretical and strategic understanding and skill in the various forms of public address. Students may engage in a combination of any of the following: oral interpretation, persuasion, informative speaking (with Power Point), broadcast presentation, ceremonial address, and business presentation.

COMM 229 INTRODUCTION TO FILM (3) For over a century, film has played an important role in both American and global popular culture. In this course, that role is examined through screenings of films and through the study of film aesthetics, theories, and genres.

COMM 230W PERSUASION [Writing Enriched] (3) *Prerequisite: COMM 101, 112, or 114 and ENGL 111W-112W or ENGL 223W.* This course examines theory and practice in understanding persuasion as a means of advocacy and social influence. Persuasion theory will be applied to the areas of politics, advertising and public relations, media, and interpersonal and other communication settings.

COMM 232 DEBATE AND FREEDOM OF SPEECH (3) *Prerequisite: COMM 101.* This performance course examines the substantive structure, strategic bases and freedom of speech issues associated with public forms of debate. Students examine political, constitutional and collegiate forms of debate. Students participate in formal debates.

COMM 251 INTERCULTURAL COMMUNICATION (3) *Prerequisite: COMM 101, 112, or 114.* Students develop the knowledge and intercultural thinking approach necessary for today's global society. Emphasis is on conceptual tools needed to understand culture, communication theory, how culture influences communication, and the process of communication between people from different cultures, including the rules and norms relating to verbal and nonverbal language. Values and communication systems of the United States are compared and contrasted with those of other countries and world religions. Diversity and identity within the United States is explored.

COMM 260 INTRODUCTION TO PUBLIC RELATIONS (3) *Prerequisite: COMM 201.* This course focuses on principles and practice in the major forms of writing used in public relations: news releases; broadcast publicity and public service announcements; planning and publicity for special events; feature stories; in-house publications; and institutional advertising. Learning activities include case studies of public relations problems and projects for College and community groups.

COMM 275 VISUAL RHETORIC (3) *Prerequisite: COMM 101, 112, or 114.* Visual Rhetoric is the study of visual representation, the rhetorical nature of the visual, and the theories that explain how visual images construct meaning. This course emphasizes making the student an informed reader/consumer of visual images and their symbolic content. Students will use critical methods to analyze visual images as they occur in photos, cartoons, memorials, television (particularly news), film (particularly documentary), and the internet.

COMM 301 RHETORICAL CRITICISM (3) *Prerequisite: COMM 230.* This course analyzes various forms of public address including speeches, advertising, political communication, business communication, and ceremonial address according to classical and contemporary methodologies. Emphasis is placed on developing analytical and critical thinking skills.

COMM 302 STRATEGIC PUBLIC RELATIONS WRITING (3) *Prerequisite: COMM 260.* This course engages a specialized writing curriculum developed for the contemporary public relations student. Assignments work toward cultivating relationships among a variety of audiences using traditional, organizational and social/digital media. Students will build upon theoretical public relations knowledge and further develop writing skills for clarity of message dissemination and evaluation.

COMM 303W RESEARCH METHODS IN COMMUNICATION [Writing Enriched] (3) *Prerequisites: COMM 112, 171, and ENGL 111W-112W or ENGL 223W.* This introduction to communication research methodologies emphasizes the areas of documentation and writing as well as information retrieval, organization, and management.

COMM 304 DIGITAL EDITING AND MOTION GRAPHICS (3) *Prerequisite: COMM 104.* This course introduces students to the technology of digital video manipulation and motion graphics. While learning basic image layering and control, students will engage in critical analysis of professional work.

COMM 316 AMERICAN PUBLIC ADDRESS (3) *Prerequisite: COMM 101, 112, or 114.* This course introduces the rich diversity of American oratory, past and present, emphasizing the historical and critical study of principal speakers and speeches and of their relationship to American political, social, and intellectual life.

COMM 322 ADVANCED REPORTING AND WRITING (3) *Prerequisite: COMM 202.* This course provides rigorous in-depth instruction and critiques of students' news and feature assignments for campus publication with emphasis on public affairs. Writing uses different reporting methodologies: interviewing, official records research, direct and participant observation, and survey research.

COMM 338W ENVIRONMENTAL COMMUNICATION [Writing Enriched] (3) *Prerequisite: COMM 101 or 114, and ENGL 111W-112W or ENGL 223W. COMM 171 recommended.* This course examines communication challenges for individuals & organizations as related to environmental issues. Taken in three parts, this course begins by examining the challenges of connecting information (science) and emotion for a variety of purposes. Second, it will focus on these and other elements necessary to effective policy negotiation. Third, it will move to focus on basic concepts relevant to expectations, planning, and managing communication during environmental crises.

COMM 341 PROFESSIONAL AND ORGANIZATIONAL COMMUNICATION (3) *Prerequisite: COMM 101, 112, or 114.* This course introduces organizational theories and communication networks as they function in today's human organizations. Emphasis is on internal communication of the organization within itself and also on the abilities one needs in that environment, such as interviewing, group discussion techniques and decision-making, and public presentation in a business setting.

COMM 350 POLITICAL COMMUNICATION (3) *Prerequisite: COMM 101, 112, or 114.* This course focuses on the theory, research, and practice of political communication. Students are involved in understanding the theories regarding political and campaign rhetoric including local levels of political rhetoric, state levels of political rhetoric and presidential rhetoric. Students locate and discuss candidate and office holder strategies through commercials, speeches, debates, print materials, and appearances on television. Students serve as mock communication advisors to candidates and office holders and make recommendations on matters involving rhetorical style and content.

COMM 362 CRISIS COMMUNICATION (3) *Prerequisites: COMM 171, 260.* This course offers students the opportunity to study crisis communication theory applied to a variety of contexts including the significance of crisis communication in businesses, politics, entertainment, and social advocacy. Course content includes the components of crisis communication, forming a crisis management team, communication responses to crisis, effectively employing crisis communication strategies, and structuring organizational crisis communication.

COMM 372 MEDIA CRITICISM (3) *Prerequisite: COMM 171.* As both future producers and consumers of mass media texts, students face the challenge of creating and determining meaning in our society. By applying critical theory to popular culture texts, this course develops analytical skills needed to determine how meaning is placed in and taken from texts and to understand the cultural contexts of media messages.

COMM 377 STUDY ABROAD (1-6) *Prerequisite: Consent of instructor.* This course provides students with the opportunity to study principles of communication in foreign settings.

COMM 381 CONVERGENCE MEDIA: STORYTELLING IN AN INTERNET WORLD (3) *Prerequisites: COMM 104 and 202.* This course is a study of reporting, writing, and producing multimedia news stories. Attention is given to the preparation and challenges faced by multimedia journalists working with still photos, audio, video, and text. This course will prepare students for digital production and editing news stories in the Capstone course. The history of journalism news and legal aspects of news communication are discussed in the context of evolving cultural interests, changing business paradigms, and emerging technologies. Students will produce content for their E-Portfolio, which is assessed in the capstone course.

COMM 382 DOCUMENTARY DESIGN AND PRODUCTION (3) *Prerequisites: COMM 201 and 202 or 206.* This course provides students with the opportunity to examine documentary film, video, and audio forms while researching and producing projects in those fields. Projects will blend field taping and editing with studio production.

COMM 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

COMM 394 CULTURE INDUSTRIES, AUDIENCES, AND THE SUPERHERO (3) In 1938, audiences were thrilled by the story of a strange visitor from another planet who had come to save them. After Superman arrived, the superhero exploded into a popular culture phenomenon in a variety of media outlets. Students will evaluate the superhero genre as both the products of culture industries and as the texts from which audiences develop meaning. Students will also develop skills and theoretical concepts to understand contemporary popular culture production and reception and to critique the popular culture texts from a variety of perspectives.

COMM 395 CULTURAL IMPACT OF POPULAR MEDIA (3) *Prerequisite: COMM 171.* Mass media has a rich and varied history. In this course, students will explore the historical and cultural dimensions of particular genres and/or media. Students will also examine the role of popular memory through the study of media audiences and their experiences with media.

COMM 397 INDEPENDENT STUDY IN COMMUNICATION (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

COMM 398 SPECIAL TOPICS IN COMMUNICATION (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her enrollment.

COMM 399 INTERNSHIP IN COMMUNICATION (1-12) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator, supervising faculty, and School dean prior to registration.* This internship provides application of historical, critical, and/or theoretical knowledge under direct supervision of a practicing professional. Interns may work in radio and television stations, newspapers, advertising and public relations agencies, and other areas approved by the faculty advisors. (See "Internships.")

COMM 401 ADVANCED COMMUNICATION THEORY AND SENIOR THESIS (3) *Prerequisites: Minimum of 82 credit hours of coursework, COMM 303W, and 301 or 372.* This course examines the process of theory creation and recent developments in communication theory and research. Emphasis is placed on important theories in the areas of rhetoric, media, and speech communication. Students will design, implement, and present in correct written form an original research study that serves as their senior thesis.

COMM 404 ADVANCED DIGITAL EDITING AND MOTION GRAPHICS (3) *Prerequisite: COMM 304.* This course continues student progress in advanced digital media composition with particular emphasis on developing problem solving skills. The ability to deconstruct a creative idea into manageable components allows students to go beyond imitation and repetition and develop new creative projects.

COMM 405 COMMUNICATION LAW AND ETHICS (3) *Prerequisites: COMM 101, 112 or 114.* This course examines both legal responsibilities and ethical decisions in communication. Key principles and court rulings will be examined that define our First Amendment responsibilities and our rights to speak, publish, and dissent. Content includes libel, privacy, free press/fair trial, fighting words, obscenity, advertising and broadcast regulations, symbolic dissent, and prior restraint. This course also examines ethical theories and moral responsibilities for communication choices in personal relationships, politics, advertising and public relations, organizations, and media.

COMM 411 SUPERVISED PRACTICUM - CRITOGRAPH (1-3) *Prerequisite: COMM 202.* Enrollment in these courses is limited to students holding positions of responsibility on the *Critograph* staff. Requirements and review criteria are established between instructor and student and the course is open to any Communication Studies major.

COMM 412 COMMUNICATION AND LEADERSHIP (3) *Prerequisite: COMM 341.* The study of principles, methods, and theories of effective leadership and its relationship to communication practices and organizational culture. Leadership is examined from both the professional or business environment and as applied to daily life through the study of classic films.

COMM 440 PUBLIC RELATIONS MEDIA AND CAMPAIGNS (3) *Prerequisites: COMM 302.* This course is an intensive experience in “real world” public relations problems. Students will draw on communication theory and engage in experiential learning while they produce “authentic” public relations campaign (or communication) materials and proposals for practical analysis. It also serves as the capstone course for the Public Relations track within the major.

COMM 450 PRODUCING AND EDITING ACROSS MEDIA (3) *Prerequisites: COMM 202, 381, 405.* This course provides study and practice in multimedia production and news-flow oversight. Students gain practical experience working with a client and across a range of media while applying analytical and theoretical approaches to fact-based digital storytelling. Audience, legal and ethical considerations are also emphasized. Students will contribute to their existing E-Portfolio, which includes projects from COMM 202 and COMM 381 in text, photography, video, audio. Their work is assessed through a semester long digital storytelling assignment that will include reporting, editing, management, design, analytics, and marketing skills.

COMM 477 SENIOR PROJECT (3) *Prerequisite: Permission of instructor.* This course allows journalism students to gain practical experience in the field of public relations or newspaper, magazine, or broadcast reporting. Independent study on or off campus is usually required. The nature of the project determines the credit given.

COMM 480 ADVANCED STAGE AND STUDIO TELEVISION (3) *Prerequisites: COMM 104, 180.* This course examines advanced studio practices including programming of major studio components such as the broadcast switcher and live graphics workstations. Additionally, students will gain experience in the integration of studio, multi-camera field production, and multimedia elements. Critical analysis of directing techniques and directorial problem solving are also included.

COMM 485 PRODUCING AND DIRECTING FOR ELECTRONIC MEDIA (3) *Prerequisites: COMM 104, 206.* Students in this course will develop and execute advanced productions ranging from live broadcasts to multimedia presentations. Emphasis will be on the organizational processes unique to producing and directing media projects. The course will also include seminar discussions of the media industry. Students will develop material for professional portfolios.

COMM 499 DONOVAN MEDIA DEVELOPMENT CENTER PRACTICUM (3-6) *Prerequisites: COMM 104, 206.* This practicum provides for the application of multimedia production knowledge and skills to produce work commissioned by the Donovan Media Development Center under the direct supervision of a faculty member. The Donovan Center solicits projects from non-profit clients and others to create video and audio productions, PowerPoint presentations, and graphic designs that promote the aims of those organizations. Students create portfolios of their work for these clients that may be used for evaluation purposes and in their search for employment upon graduation.

COMPUTER SCIENCE COURSES (C S)

C S 100 INTRODUCTION TO COMPUTER CONCEPTS (3) Two hours lecture and one hour lab. This hands-on computer literacy course is designed to introduce students to computer concepts and applications in today’s world. Topics include word processing, spreadsheet software, database management, computer communications, and networking. Important historical, moral, and social issues related to computing are covered.

C S 105 INTRODUCTION TO COMPUTATION (3) Three hours lecture. This course introduces students to the true nature of computer science, what computer scientists really do, how they think, and what they accomplish. The focus is on using computation and logical thought techniques to solve problems. Many of the most interesting and significant topics in computer science will be covered. Selected topics may include, but are not limited to, artificial intelligence, digital logic, fractals, Gödel’s theorem, NP-complete problems, parallel computing, probability, random number sequences, Turing machines, and scientific visualization.

C S 131 FUNDAMENTALS OF PROGRAMMING FOR NON-MAJORS (3) Three hours lecture. This course is an introduction to computer programming for students who are not planning to major in computer science. Students learn the fundamentals of programming, including the use of variables, arrays, control structures, functions, file I/O, and basic graphics.

C S 135 INTRODUCTION TO PROGRAMMING FOR MAJORS (1) One hour lecture. This course is an introduction to computer programming for majors in computer science. Students learn the fundamentals of programming in a modern language, including the use of variables, control structures, and functions.

C S 141-142 INTRODUCTION TO COMPUTER SCIENCE AND STRUCTURED PROGRAMMING (4, 4) *Prerequisite: C S 141 (B- or better) for C S 142.* Three hours lecture and two hours lab. This introduction to computer science course sequence focuses on programming, problem solving, and algorithm development with implementation on a computer using a modern programming language. Topics include computer organization, debugging and testing techniques, structured programming, string processing, pointers, objects, templates, and an introduction to data structures. It is strongly recommended that students without any prior programming experience complete C S 135 before enrolling in C S 141.

C S 201 SYSTEM AND NETWORK ADMINISTRATION (3) *Prerequisite: C S 131 or 141.* Three hours lecture. Students experience a hands-on approach to system and network administration. General network and system administration is explored using two or more operating systems. Topics include system configuration, network planning, routine system maintenance, firewalls and security, Internet connectivity, system optimization, troubleshooting, and scripting languages.

C S 220 BUSINESS COMPUTER PROGRAMMING AND FILE SYSTEMS (4) *Prerequisite: C S 131 or 141.* Three hours lecture and two hours lab. The student studies a programming language appropriate for a business environment and uses this language to write programs that have applications to business and information systems. The student studies the creation and use of sequential, direct access, indexed, and indexed-sequential files.

C S 231 SOPHOMORE PROJECT (3) *Prerequisite: C S 142.* Three hours lecture. In this course students produce a number of intermediate-level programs using skills learned in C S 141-142. Sophomore Project is designed to provide the student with substantial experience writing software. Emphasis will be placed on software development skills needed to produce larger programs. Effective techniques for designing, implementing, and debugging intermediate-sized programs will be mastered.

C S 241-242 DATA STRUCTURES AND ABSTRACTION I, II (4,4) *Prerequisites: C S 142 (B- or better) or C S 231 (B- or better) for C S 241; C S 241 for C S 242.* Three hours lecture and two hours lab. These courses combine a study of data structures and data in computer systems. Topics may include, queues, stacks, trees, hashing, sorting, graphs, algorithm analysis, and algorithmic problem solving.

C S 271 COMPUTER ARCHITECTURE AND ASSEMBLY LANGUAGE PROGRAMMING (4) *Prerequisite: C S 131, 135 or 141.* Three hours lecture and two hours lab. This course introduces the concepts of machine and assembly language programming and computer architecture. The student studies the syntax of assembly language and becomes proficient in writing programs in assembly language.

C S 298 SPECIAL TOPICS IN COMPUTER SCIENCE (3) Appropriate for freshman and sophomores, this course can focus on a wide variety of topics that provide detailed explorations of technologies of particular interest to computer science majors and minors. Topics will frequently incorporate preparation for professional certification.

C S 322 PROGRAMMING LANGUAGES (3) *Prerequisite: C S 142 (B- or better).* Three hours lecture. This course is a comparative study of modern high-level programming languages, their syntax, and acceptors. The student is expected to write programs in any of the languages studied which may include procedural, functional, logic, object-oriented, and scripting languages.

C S 335 COMPUTER NETWORKS (3) *Prerequisite: C S 142 (B- or better).* Three hours lecture. This course is a study of the design, use, and analysis of computer networks. Topics include the major theoretical aspects of computer networks and the algorithms used in their implementation and the principal networks currently in use. Topics covered include client-server programming, and application layer, transport layer, network layer, data layer, and physical layer protocols.

C S 345 EVENT-DRIVEN PROGRAMMING (3) *Prerequisites: C S 141 (B- or better).* Three hours lecture. This course will provide the student with the tools needed to create modern graphical user interfaces for desktop and mobile devices. Core topics include the event-driven programming model, graphical coordinate systems, and libraries for creating, managing and rendering windows, and simple graphics and animation. Students will create graphical user interfaces for a number of programs.

C S 350 SOFTWARE ENGINEERING (3) *Prerequisite: C S 142 (B- or better).* Three hours lecture. This course teaches best practices for building large, reliable computing systems. Topics include software development life-cycles, agile development techniques, configuration management, test-driven development, coding standards, design patterns, and other fundamental software engineering concepts. Students will get lots of hands-on experience as they develop a group project.

C S 355 COMPUTER FORENSICS (3) *Prerequisite: C S 142 or 235.* Three hours lecture. Securing relevant evidence from computer systems and other electronic devices requires a range of skills and a deep understanding of how data is stored and organized electronically. This course serves as an introduction to the technologies relevant to computer forensics and provides the student with hands-on experience collecting and analyzing electronic data.

C S 360 OPERATING SYSTEMS AND COMPUTER ORGANIZATION (3) *Prerequisite: C S 142 (B- or better).* Three hours lecture. This course is a study of the hardware and software systems that make the basic components of a computer system accessible to the applications users of that system. Topics include processes, scheduling, resource allocation, protection, virtual memory, concurrent processing, input/output processing, persistent data storage, and file systems.

C S 365 GAME PROGRAMMING (3) *Prerequisite: C S 142 (B- or better).* Three hours lecture. This course introduces the concepts of 3-D graphics and modeling and realtime interaction in an event-driven environment. Topics include geometric transformations, light models, texture mapping, special effects, 3-D sound, physics modeling, and graphics engines.

C S 370 DATABASE MANAGEMENT SYSTEMS (3) *Prerequisite: C S 131 (B- or better) or C S 141 (B- or better).* Three hours lecture. This course studies the fundamental principles and roles of database management systems. The primary focus of this class is designing and using relational databases. Other topics may include physical storage management, database theory, and alternative persistent data management systems.

C S 375 PRINCIPLES OF DIGITAL SYSTEMS (4) Three hours lecture and two hours lab. This course explores the principal concepts of digital systems and digital circuit design. Topics include basic logic circuits, combinational-circuit design, sequential circuit design, synchronous and asynchronous circuits, and the use of a high-level hardware design language such as VHDL or Verilog. Students will gain experience building and testing their own circuits.

C S 380 ARTIFICIAL INTELLIGENCE (3) *Prerequisite: C S 142 (B- or better).* Three hours lecture. This course is a study of the theoretical issues and programming techniques involved in artificial intelligence. Core topics include search, knowledge representation, and reasoning. Additional topics may include game theory, planning, understanding, natural language processing, machine learning, neural networks, genetic algorithms, expert systems, and real-time systems. Students develop competence in a language widely used for A.I. programming, typically LISP or PROLOG.

C S 385 INTERNET PROGRAMMING (3) *Prerequisite: C S 131 (B- or better) or C S 141 (B- or better).* Three hours lecture. In this course students learn to create interactive web sites using graphics, tables, forms, styles, and database access. Technologies used may include HTML, CSS, PHP, MySQL, and/or Javascript.

C S 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

C S 390 DATA MINING (3) *Prerequisite: CS 131 or 141.* The goal of this course is to introduce students to the different approaches of machine learning such as neural networks, decision trees, logistic regression, etc. It also aims at providing applied information about how to use these approaches to extract knowledge from data. This prepares students to enter into the area of applied artificial intelligence (AI) and data science. It also provides the skills necessary to apply machine learning techniques within the areas of bioinformatics.

C S 397 **INDEPENDENT STUDY IN COMPUTER SCIENCE (1-3)** *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

C S 398 **SPECIAL TOPICS IN COMPUTER SCIENCE (1-3) [credit depends on topic]**
This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her enrollment.

C S 399 **INTERNSHIP IN COMPUTER SCIENCE (1-12)** *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator, and supervising faculty prior to registration.* Internships occur in businesses or other institutions involved in computer science-related work. (See "Internships.")

C S 451-452 **SENIOR PROJECT (3,3)** *Prerequisites: C S 241 and senior standing.* This is a capstone course in which the student proposes and completes an independent research or development project. Research projects involve review of significant literature and the writing of a major technical paper, which may require design, implementation, and evaluation of experimental systems. Development projects require the specification, design, implementation, testing and analysis, of a software system or concept.

CRIMINOLOGY COURSES (CRIM)

CRIM 211 **LAW AND SOCIETY (3)** This course examines major theoretical perspectives and social science research on the relationship between law and society. It will focus on the writings of classic social scientific thinkers such as Durkheim, Weber, Marx and Simmel on the subject of law through the lens of social scientific concepts such as norms, social control, authority, and power; the school of sociological jurisprudence as expounded by legal theorists/jurists such as Pound and Brandies; and will explore the use of the social sciences in legal arguments and reasoning.

CRIM 241 **CRIMINOLOGY (3)** This course is a sociological analysis of the nature and extent of criminal behavior in the United States and around the world. It reviews the past and current theories that attempt to explain the causes of criminal behavior. In addition, society's response to crime, the criminal justice system, and its various components are examined.

CRIM 243 **JUVENILE DELINQUENCY (3)** The course examines the nature and extent of juvenile delinquency in the United States and other modern societies. It explores how juvenile delinquency differs from adult criminal behavior in its legal status, causes, and the ways society reacts to it. The juvenile justice system and its various components are examined.

CRIM 244 **CRIMINAL JUSTICE PROCESS (3)** This course presents a sociological analysis of the various practices and institutions that modern societies have created to deal with criminal behavior. The institutions examined include law enforcement, judicial and corrections, including probation, other community-based techniques, jail, prison, parole, and capital punishment. The consequences and effectiveness of each are analyzed.

CRIM 245 **WOMEN AND CRIME (3)** This course presents an analysis of crime and how it relates to women from three major perspectives: Women as Victims; Women as Offenders; and Women as a Solution. Specifically, the course will examine victimization of females through sexual assault, domestic violence, human trafficking, etc. The course will explore both traditional and emerging types and trends of criminality committed by women plus review the challenges and opportunities faced by women pursuing a criminal justice system career today.

CRIM 250 **POLICE AND SOCIETY (3)** This course presents an analysis of police and how they interact with society. Specifically, this course will discuss the history of law enforcement and how it has evolved to continuously meet the unique needs of a democratic society. Additionally, this course will address the challenges of maintaining order while protecting the constitutional rights of the citizens they serve.

CRIM 255 CRIME SCENE INVESTIGATION (3) *Prerequisite: CRIM 241.* This course presents an analysis of crime and how it is evaluated and processed at a crime scene. Specifically, this course will focus on the various types of investigative techniques on how to identify and retrieve physical evidence. Additionally, this course will address the ethics and responsibility for those who handle crime scene investigations. This course will also focus on the unique challenges of how evidence is introduced in court and its influence on jurors.

CRIM 275 RESEARCH METHODS (3) *Prerequisite: CRIM 241.* This course introduces students to research methodologies in the social sciences with a grounded, real-world approach, integrating contemporary research methods using examples of real criminological and criminal justice studies to illustrate concepts and techniques. Research sources and resources from both classic and contemporary literature in Criminal Justice/Criminology are used to help students and professionals better understand the extensive diversity of research available. Research ethics and the incorporation of social justice approaches are discussed. The course covers each stage of research design from the conceptualization of the research question/hypothesis to the presentation of the findings. Students are exposed to and discuss a variety of methodological approaches including survey methods, experiments, ethnography, interview methods, and participatory action research. The course incorporates both readings and lectures on the process of research design, as well as readings and class discussion on research in practice.

CRIM 285 CRIMINAL LAW (3) The course examines criminal law in the United States and common law societies. It explores statutory construction, with a focus on the elements of criminal offenses, and how conclusions are made in their application to concrete fact patterns. It also examines Supreme Court precedent and Constitutional Rights and how key case law issues, holdings, reasoning and decisions are applied by the Court.

CRIM 301 COMPARATIVE CRIMINAL JUSTICE (3) *Prerequisite: CRIM 244.* This course examines the world's major criminal justice systems. In particular it analyzes the effects of history, culture and politics on the policies and operations of law enforcement, judicial and correctional institutions in common law, civil law, Islamic and socialist legal systems around the globe.

CRIM 320 VICTIMOLOGY (3) Victimology will provide a comprehensive overview of the process of victimization throughout our society. This course will also discuss the history of victimization, theories of victimization, and various categories of victimization, stratification and victim typologies. Specific topics will include the scope of victimization, restorative justice, victims' rights, school/workplace violence, intimate partner violence, child abuse, elder abuse, international sex trafficking, and the victimization of the disabled.

CRIM 321 CHILD ABUSE AND EXPLOITATION (3) This course presents an analysis of abuse and exploitation and how it relates to children. Specifically, this course will focus on the various types of exploitation, abuse (sexual, physical, emotional, and neglect), as well as human trafficking, etc. Additionally, this course will focus on the physical and emotional indicators of child abuse, long term effects of victimization, as well as the unique challenges of investigating child abuse, and the criminal justice response.

CRIM 372W QUANTITATIVE METHODOLOGY (3) *Prerequisites: CRIM 275, and ENGL 111W-112W or ENGL 223W.* This course will focus on data collection and analysis techniques that are particularly useful in community settings. Attention will be given to needs and assets assessments, program evaluations, gathering and using secondary data, focus groups, and action research.

CRIM 377 STUDY ABROAD (1-6) *Prerequisite: consent of instructor.* This course provides students with the opportunity to study societal institutions and social organizations' patterns in foreign settings.

CRIM 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

CRIM 397 INDEPENDENT STUDY IN CRIMINOLOGY (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is devel-

oped in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

CRIM 398 SPECIAL TOPICS IN CRIMINOLOGY (1-3) [credit depends on topic] *Prerequisite:* *A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her enrollment.

CRIM 399 INTERNSHIP IN CRIMINOLOGY (1-12) *Prerequisites:* *Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator, supervising faculty, and School Dean prior to registration.* This internship provides the student with a supervised work experience in a setting in which criminology is applied. Examples of work setting include, but are not limited to, law enforcement agencies, correctional agencies, and social service departments. Internships are developed by the student with the assistance from the criminology staff and/or the internship coordinator. (See "Internships.")

CRIM 401 MEDICAL FORENSICS (3) *Prerequisite:* *BIOL 222.* This course presents a path in how the criminal justice field and the medical/nursing field collide. This course will focus on the history of forensic nursing, child physical abuse, child sexual abuse, adult abuse and neglect, domestic violence, and adult sexual assaults. The course will address the medical aspects of care in victims of violence and how that care crosses over to the criminal justice system. Additionally this course will address the courtroom testimony regarding fact vs. expert witnesses, and how the testimony is utilized in the court system.

CRIM 430W SENIOR RESEARCH CAPSTONE [Writing Enriched] (3) *Prerequisite:* *CRIM 372W, and ENGL 111W-112W or ENGL 223W.* This course is designed to be the capstone course in which the student, utilizing substantive and methodological knowledge accumulated through previous course work, will develop and test relevant research questions related to crime theories and/or criminal behaviors. The course culminates with the writing and presentation of a formal research paper.

ECONOMICS COURSES (ECON)

ECON 100 ECONOMIC PERSPECTIVES ON CURRENT ISSUES (3) This course applies economic thinking to contemporary issues using a non-technical approach. Topics include environmental issues, crime, poverty, health care, the global economy, and the role of government. This is an introductory course and is not a substitute for ECON 201 or 202.

ECON 101 FRESHMAN SEMINAR IN ECONOMICS (3) This theme-based course gives students exposure to economics early in their college career. Designed around the interests of the instructor, the course will provide students with the opportunity to use economic principles to explore an issue from multiple perspectives. Through in-depth study of a specific topic (e.g., clean energy, immigration, globalization, financial crises, health care economics, and slavery), students will be introduced to basic economic concepts as they develop their critical thinking and communication skills.

ECON 201 PRINCIPLES OF ECONOMICS-MICRO (3) This study of basic economic principles and the structure and functioning of a modern economy serves as an introduction to microeconomics.

ECON 202 PRINCIPLES OF ECONOMICS-MACRO (3) This study of basic economic principles and the structure and functioning of a private enterprise economy serves as an introduction to macroeconomic.

ECON 250 RESEARCH METHODS IN ECONOMICS (4) *Prerequisite:* *General Education Math.* Three hours lecture and two-hour lab. Basic mathematical and statistical tools are developed in this course. Topics include hypothesis testing and introductory regression analysis. Basic calculus, linear and matrix algebra, and other mathematical tools used in economic analysis are also developed. Emphasis is on applications of statistical and mathematical tools for economic analysis and on preparation for writing the senior thesis.

ECON 255 ENVIRONMENTAL ECONOMICS (3) An examination of environmental issues from an economic perspective, this course helps students understand environmental problems by applying

a rational choice framework to resource allocation decisions in the presence of externalities. Significant attention is paid to the discrepancy between market allocations that are economically efficient and regulated allocations that are socially optimal. Topics covered include the Tragedy of the Commons, production and consumption externalities, pollution abatement strategies (including regulation, corrective taxation, pollution credits, and property rights delineation), as well as the political and economic foundations of optimal environmental policy.

ECON 300 INTERMEDIATE MACROECONOMIC THEORY (3) *Prerequisites: ECON 201-202. Corequisite ECON 250.* This course examines theories of national income determination, focusing attention on the factors and processes that govern the growth rate of income, employment, output, and prices. Fiscal and monetary policies, as well as supply-side strategies, to facilitate full employment and economic growth are studied.

ECON 301 INTERMEDIATE MICROECONOMIC THEORY (3) *Prerequisites: ECON 201-202 and ECON 250.* This course provides a theoretical analysis of the resource allocation mechanism in a market economy, including consideration of the impacts of government policies on market outcomes. Students study the behavior of individual producers and consumers, the influence of market structure on the pricing and output decisions by firms, and the microeconomic foundations of competitive strategy.

ECON 303 MANAGERIAL ECONOMICS (3) *Prerequisites: ECON 201-202, 250, and General Education Math.* This course introduces the use of economic theory and new techniques of decision-making in the management of business enterprise. Cost and demand analysis, economic forecasting, profit management, capital budgeting, and pricing policies are among the topics covered.

ECON 305 MONEY, CREDIT, AND BANKING (3) *Prerequisites: ECON 201-202.* The nature and functions of money and the role played by financial intermediaries are studied with focus on full-service commercial banks and the federal reserve banks. Emphasis is placed on money creation by the depository institutions and the Federal Reserve System of the United States.

ECON 308 INTERNATIONAL ECONOMIC POLICY (3) *Prerequisites: ECON 201-202.* Focus is on important areas in current international economic policy and international trade policy, international monetary relationships, and operations of transnational corporations in the world economy. Microeconomic and macroeconomic tools are used in the study of these issues.

ECON 330 HISTORY OF ECONOMIC THOUGHT (3) This course studies the development of economic theory from scholasticism to classical thought (including Malthus, Mill, Ricardo, Smith, and Marx) to Neo-Classical economics. Each writer's contribution is evaluated in light of the development of modern economic theory.

ECON 331 ECONOMIC HISTORY OF THE UNITED STATES: PART I (3) *Prerequisites: ECON 201-202.* This course studies the historical development of the United States economic system and its role in the growth of the nation. Emphasis is placed on the eighteenth and first half of the nineteenth centuries. Micro and macro economic factors are analyzed. Topics include mercantilism, the economic determinants and consequences of the American Revolution, slavery, and the Civil War.

ECON 332 ECONOMIC HISTORY OF THE UNITED STATES: PART II (3) *Prerequisites: ECON 201-202.* This course studies the United States economy from the end of the Civil War to the present. Both macro and micro economic theory are applied to period events. Topics include labor unions, the rise of big government, and the Great Depression.

ECON 361 PUBLIC FINANCE (3) *Prerequisites: ECON 201-202.* This course is a theoretical and institutional study of government and its effects on resources allocation, income distribution, resource employment level, and economic growth.

ECON 364 URBAN AND REGIONAL ECONOMICS (3) *Prerequisites: ECON 201-202.* This study of location theory, land use, and regional development emphasizes policy problems in urban housing, transportation, crime, and pollution.

ECON 365 ECONOMICS OF TERRORISM (3) *Prerequisites: ECON 201-202.* This course explores the causes and consequences of terrorism from an economic perspective. In addition to studying the

economic implications of terrorism and gaining an understanding of the fundamentals of political risk assessment, students will use principles of competitive strategy to develop and evaluate alternative responses to the terrorist threat.

ECON 377 **STUDY ABROAD (3)** *Prerequisite: Consent of instructor.* This course offers students the opportunity to study economics in foreign settings.

ECON 387 **DOMESTIC STUDY AWAY (3)** Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

ECON 397 **INDEPENDENT STUDY IN ECONOMICS (1-3)** *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

ECON 398 **SPECIAL TOPICS IN ECONOMICS (1-3)** [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her enrollment.

ECON 399 **MANAGERIAL ECONOMICS INTERNSHIP (1-12)** *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator and supervising faculty prior to registration.* Qualified students may earn credit for an internship with a business firm or agency while being supervised by an appropriate member of the economics faculty. (See "Internships.")

ECON 400 **INFORMATION, UNCERTAINTY, AND RISK (3)** *Prerequisites: ECON 300 or 301.* This course offers an introduction to the tools and techniques for making decisions under conditions of risk and uncertainty, including such topics as risk analysis, scenario planning, game theory, decision trees, and contingency management. Heavy emphasis will be placed on real-world applications, e.g., information management, competitive intelligence, and security issues associated with political conflict. Students will be exposed to the challenges of dealing with ill-defined problems through a variety of case studies.

ECON 450W **SENIOR SEMINAR IN ECONOMICS [Writing Enriched] (3)** *Prerequisites: ECON 300-301, and ENGL 111W-112W or ENGL 223W.* Students are required to undertake a research project using mathematical and statistical methods introduced in ECON 250.

EDUCATION COURSES (EDUC)

EDUC 101 **INTRODUCTION TO EDUCATION AND RELATED PROFESSIONS (3)** With particular attention to American public education and the role of the licensed professional teacher, the course examines historical, philosophical, and current social influences on contemporary practice, institutional development, and public attitudes about children and education. The course includes an exploration of the expanding range of career paths open to teaching and human development professionals and introduces teacher licensing requirements and procedures. Professional vocabulary, attitudes, and performance expectations are introduced as an integral and functional component of the course.

EDUC 201 **CLASSROOM MANAGEMENT IN THE INSTRUCTIONAL CONTEXT (3)** This course introduces the primary task model used by effective teachers. Students study the ongoing cycle of planning, implementation, and assessment and how these are linked. Classroom and behavior management theory and strategies are developed as integral components of the instructional cycle.

EDUC 202 **FIELD EXPERIENCE I (1)** This course is designed to provide pre-service teachers with initial opportunities to observe and participate in the dynamics of a classroom and to share, question, and reflect upon those experiences in campus seminars. This course may be retaken only once with the permission of the instructor. A grade of B- or above is required before taking EDUC 320, 444, or SPED 330.

This course requires a mandatory Criminal and Social Services background check conducted at the end of the prior semester at the student's expense.

EDUC 211 INSTRUCTIONAL STRATEGIES (3) *Prerequisite: EDUC 201.* This course deals with the specific instructional strategies teachers develop including: establishing rapport with faculty and staff; becoming familiar with school policies and routines; reviewing cumulative folders to find out required accommodations for individual students; introducing themselves to parents; arranging classrooms; organizing and ordering materials; mentoring; working with aides and paraprofessionals; setting up grade books; becoming familiar with community resources; and setting behavioral expectations.

EDUC 313W READING AND LANGUAGE ACQUISITION I [Writing Enriched] (3) *Prerequisites: EDUC 211, and ENGL 111W-112W or ENGL 223W; Corequisite: EDUC 320 or SPED 330.* This course is designed to impart a thorough understanding of the complex nature of language acquisition and the reading process to pre-service teachers. It develops their comprehension of sound/ symbol relationships, phonemic awareness, word attack skills, and a wide variety of comprehension and instructional strategies.

EDUC 320 FIELD EXPERIENCE II (E) (1) *Prerequisites: EDUC 201 and 211. Corequisite EDUC 313.* This course provides pre-service teachers with opportunities to apply instructional skills in controlled situations under the guidance of experienced professionals. Students participate in two hours of observations and tutorial instructional activities per week in classrooms in local school districts. Seminars and other activities provide opportunities for analysis and reflection. This course may be retaken only once with the permission of the instructor. A grade of B- or above is required before taking EDUC 420. This course may be retaken only once with permission of the instructor. Enrollment in EDUC 320 is limited to students enrolled in a teacher licensure program. This course requires a mandatory Criminal and Social Services background check conducted at the end of the prior semester at the student's expense.

EDUC 324 METHODS: SOCIAL STUDIES INSTRUCTION (2) *Prerequisite: EDUC 201, 211, HIST 255, 256. Corequisite: EDUC 325 second half of the semester.* This is a linked course with EDUC 325 and is taught the first half of the semester. It is an interactive approach designed to help pre-service teachers gain the necessary knowledge, skills, and processes in social studies based on the Virginia Standards of Learning and practices recommended by the National Council for the Social Studies.

EDUC 325 METHODS: LANGUAGE ARTS INSTRUCTION (2) *Prerequisite: EDUC 201, 211. Corequisite: EDUC 324 first half of the semester.* This is a linked course with EDUC 324 Methods: Social Studies and is taught the second half of the semester. This course is designed to help pre-service teachers gain the necessary knowledge, skills, and processes which foster students' success on the Virginia Standards of Learning tests in language arts. Major goals are to promote intellectual curiosity and support lifelong learning.

EDUC 345 CURRICULUM IN EARLY CHILDHOOD EDUCATION (3-5) (3) *Prerequisites: EDUC 101, 201, 211, PSYC 241.* This course is designed for prospective early childhood teachers at the undergraduate level. Current policies, theories, and practices in early childhood education will be presented. Students will learn historical aspects of early education, learning and developmental theories (such as the impact of brain development on learning), developmentally appropriate practices (DAP), social and cultural contexts, creative appropriateness, importance of play for young children, curriculum planning and evaluation, early childhood schedules and routines, and ways to communicate with parents.

EDUC 351 READING IN THE CONTENT AREAS (3) *Prerequisites: EDUC 201 or HPE 310.* This course is designed to impart a thorough understanding of the methodologies and strategies for developing literacy skills to enhance the learning of content area subject matter across all disciplines while addressing the diverse needs of the secondary student population.

EDUC 352 TEACHING IN MIDDLE/SECONDARY SCHOOL (3) *Prerequisite: EDUC 201.* This course is designed to impart a thorough understanding to pre-service teachers of the methodologies and strategies for developing instruction and emphasizing the planning of lessons, units, and related materials to enhance the learning of content area subject matter across all disciplines while addressing the diverse needs of the middle and secondary school student population. Methods for meeting the developmental needs of students from grades 6-12 will be stressed.

EDUC 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

EDUC 377 STUDY ABROAD (1-3) *Prerequisite: Consent of instructor.* This course provides students with the opportunity to study principles of education in foreign locations.

EDUC 397 INDEPENDENT STUDY IN EDUCATION (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

EDUC 398 SPECIAL TOPICS IN EDUCATION (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

EDUC 420 FIELD EXPERIENCE III (E) (1) *Prerequisites: EDUC 202, 320, with a B- or above.* This course provides students with opportunities to apply instructional skills in controlled situations under the guidance of an experienced professional. Students participate in two hours of observations, tutorial, and small and large group instructional activities per week in classrooms in local school districts. On-campus and in-school seminars provide opportunities for analysis and reflection. A grade of B- or above is required in this course before student teaching. This course may be retaken only once with the permission of the instructor. Enrollment in EDUC 420 is limited to students enrolled in a teacher licensure program. This course requires a mandatory Criminal and Social Services background check conducted at the end of the prior semester at the student's expense.

EDUC 423 READING AND LANGUAGE ACQUISITION II (3) *Prerequisite: EDUC 313.* Taken the semester prior to student teaching, this course builds on knowledge acquired in Reading and Language Acquisition I (EDUC 313). It introduces additional skills to achieve proficiency in a wide variety of comprehension strategies, including a repertoire of questioning strategies, understanding the dimensions of word meanings, teaching summarizing and retelling skills, and guiding students to make connections beyond the text.

EDUC 424 METHODS: SCIENCE INSTRUCTION (2) *Prerequisites: EDUC 201, 211. Corequisite: EDUC 425 second half of the semester.* This is a linked course with EDUC 425 Methods: Math and is taught the first half of the semester. It is an active inquiry approach to model practices recommended by the National Science Education Standards. Methods for teaching knowledge and skills based on the Virginia Standards of Learning are offered from a student-centered approach. Multiple forms of assessment are modeled and the effective use of technology as a tool for learning is stressed.

EDUC 425 METHODS: MATH INSTRUCTION (2) *Prerequisites: EDUC 201, 211. Corequisite: EDUC 424 first half of the semester.* This is a linked course with EDUC 424 Methods: Science and is taught the second half of the semester. This course uses model practices recommended by the National Council on Teaching Mathematics. Methods for teaching knowledge and skills based on the Virginia Standards of Learning are offered from a student-centered approach. Multiple forms of assessment are modeled and the effective use of technology as a tool for learning is stressed.

EDUC 427 STUDENT TEACHING (E) (11) *Prerequisites: Completion of all major course requirements, and admission to student teaching. Corequisite EDUC 448.* This course is an application of effective teaching skills and content at the elementary level. Students are assigned to one semester, full-time block in school systems under the guidance of College personnel and classroom teachers where they practice their teaching skills. This course requires a mandatory Criminal and Social Services background check conducted at the end of the prior semester at the student's expense.

EDUC 440 **ADVANCED FIELD EXPERIENCE IN CHILD DEVELOPMENT (3-6)** *Prerequisites: Successful completion of field experiences, minimum 2.5 GPA overall, consent of instructor for 3 credit hours and consent of dean for 6 credit hours.* This course provides an opportunity for a pre-professional learning experience in a non-school setting. Possibilities include preschool education, libraries, educational support programs (e.g. tutorial services) for students with special needs, and social service organizations. Open only to senior students taking the non-licensure option. Application required.

EDUC 444 **FIELD EXPERIENCE II (S) (2)** *Prerequisite: Admission to Teacher Preparation Program and passing scores on Praxis Math Core and VCLA. Corequisite: EDUC 352.* This course provides students with opportunities to apply instructional skills in controlled situations under the guidance of an experienced professional. Students participate in observations, videotaped lessons, and on-site practice teaching. On-campus and in-school seminars provide opportunities for analysis and reflection. A grade of B- or above is required in this course before student teaching. This course may be retaken only once with the permission of the instructor. Enrollment in EDUC 444 is limited to students enrolled in a teacher licensure program. This course requires a mandatory Criminal and Social Services background check conducted at the end of the prior semester at the student's expense.

EDUC 447 **STUDENT TEACHING (SECONDARY) (11)** *Prerequisites: Completion of major and minor course requirements and admission to student teaching. Corequisite EDUC 448.* This course is an application of all the effective teaching skills and content at the secondary level. Students are assigned to a one semester, full-time block in school systems under the guidance of College personnel and classroom teachers where they practice their teaching skills. This course requires a mandatory Criminal and Social Services background check conducted at the end of the prior semester at the student's expense.

EDUC 448 **STUDENT TEACHING SEMINAR (1)** *Corequisite: EDUC 427, 447, SPED 437, HPE 467, or MUSC 460.* This course will continue the student teachers' study of best practices and engage in discussions and activities to help them acquire the professional values and practical strategies to make the successful transition from college student to student teacher to licensed professional teacher.

ENGLISH COURSES (ENGL)

ENGL 111W **COMPOSITION I [Writing Enriched] (3)** In this introduction to the writing process, students learn how to write, revise, and edit papers using a variety of expository forms to prepare for research and analytical writing done primarily in ENGL 112W. The course includes a significant amount of reading related to writing, such as essays across the disciplines, classics, and modern literature. ENGL 111W and 112W must be completed as a sequence. That is, a student must take ENGL 111W until successful completion, and in the following semester, a student must take ENGL 112W until successfully completed.

ENGL 112W **COMPOSITION II [Writing Enriched] (3)** In this continued work on the writing process, students learn how to take command of an argument and support it effectively. Students learn to read and interpret texts containing language with multiple levels of meaning, develop techniques of writing research papers using argument and analysis (with multiple sources), and research topics efficiently and effectively using the full range of resources, tools, and methodologies.

ENGL 201 **LITERATURE AND CULTURE I: MASTERPIECES FROM ANTIQUITY THROUGH THE RENAISSANCE (3)** *Prerequisite: ENGL 111W or 111.* This introduction to the study of literature emphasizes the analysis of selected works from the period. The course includes a significant amount of writing related to the readings, including response essays, critical and creative papers, and tests.

ENGL 202 **LITERATURE AND CULTURE II: WORKS FROM THE ENLIGHTENMENT TO THE PRESENT (3)** *Prerequisite: ENGL 111W or 111.* This introduction to the study of literature emphasizes the analysis of selected works from the period. The course includes a significant amount of writing related to the readings, including response essays, critical and creative papers, and tests.

ENGL 203W **EXPOSITORY WRITING [Writing Enriched] (3)** *Prerequisites: ENGL 111W-112W or ENGL 223W.* This course continues the development of the writer's abilities to generate, edit, and refine written compositions through the study of professional and student expository prose. Particular attention is given to the improvement of composing methods and to the expansion of the writer's range.

ENGL 205 INTRODUCTION TO CREATIVE WRITING (3) *Prerequisite: ENGL 111 or 111W.*

This course focuses primarily on the writing of poetry and fiction and creative nonfiction and includes study of student and professional texts.

ENGL 207W TECHNICAL WRITING IN THE HEALTHCARE INDUSTRY [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W.*

In this course, students will be introduced to different facets of writing in the healthcare arena, including organizational, clinical, campaign, and research perspectives. This course seeks to provide a specific skillset of writing for students pursuing healthcare-related careers, providing foundational tools that can be applied directly in the field. Students will explore various topics, purposes, and audiences of writing and analyze existing health-related documents and writing. Through multiple in-class activities and assignments, students will develop the ability to create their own health writing, implementing a variety of formats and strategies while utilizing strong and credible sources.

ENGL 208W SCIENCE WRITING FOR A GENERAL AUDIENCE [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W.*

This course is meant to be an introduction to writing about science—including nature and technology—for general readers. The aim in the reading and writing assignments will be to explore the craft of making scientific concepts and the work of scientists accessible to the public. The focus of this course will be writing intensive and the student will be expected to complete five major writing assignments. Additionally, as part of the exploration of the craft of science writing, the student will read books, essays, and articles by writers such as Eula Biss, Steve Johnson, David Quammen, and Elizabeth Kolbert.

ENGL 209W NATURE WRITING [Writing Enriched] (3) *Prerequisite: ENGL 111W-112W or ENGL 223W.*

Students advance their writing skills and their understanding of the natural world by reading model texts and writing creatively in at least two genres (such as poetry, creative nonfiction, and fiction). Students explore an array of approaches for writing about nature and the environment, including detailed personal observations, and students analyze how nature writing presents complex relationships between the human and natural worlds. Field trips to nearby sites may be required.

ENGL 210 WRITING IN THE WORKPLACE (3) *Prerequisite: ENGL 111 or 111W.*

Students in this course will engage core professional writing concepts, including audience analysis, research, document design, usability, and ethical composing practices. Students will produce works including feasibility reports, usability tests, and public relations documents. Individual and group projects are a feature of this course, as is directed service-learning interaction with community partners.

ENGL 220W INTRODUCTION TO LITERARY STUDIES [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W.*

Using literary texts as a focal point, this course explores the nature and functions of literature, the basics of literary analysis, the three principal genres (poetry, fiction, drama), conventions of writing about literature, and methods and materials of research. The course is intended to be the first course in the English major and is required for all English majors.

ENGL 223W ACADEMIC WRITING [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 111-112.*

Students in English 223W have taken English 111W-112W or the equivalent where they learned to write, revise, and edit papers using a variety of expository forms and have practiced research and analytical writing. In this course, students will draw upon those skills to write with purpose and intent. Students will hone their reading and writing skills and apply their abilities to write effectively. With real-world application as the goal, students will work toward polishing and revising their writing as they prepare projects for publication.

ENGL 302 AMERICAN LITERATURE 1607-1865 (3) *Prerequisite: ENGL 220W.*

This course is a study of major literary movements and writers from the time of the earliest settlers to the Civil War. Authors of the period may include Bradstreet, Franklin, Rowson, Sedgwick, Emerson, Thoreau, Hawthorne, Melville, Stowe, and Dickinson.

ENGL 303 AMERICAN LITERATURE 1865-1999 (3) *Prerequisite: ENGL 220W.*

This course is a study of major literary movements and writers from the end of the Civil War to the end of the 20th century. Authors of the period may include Alcott, Twain, Crane, Wharton, Cather, Dreiser, Chopin, Jewett, Steinbeck, and Faulkner.

ENGL 306 **MEDIEVAL LITERATURE (3)** *Prerequisite: ENGL 220W.* This course is a survey of the major English literary texts of the medieval period, 500-1500 A.D. The course explores the tensions between warfare and romance in secular and religious literature of the period, including Beowulf, Arthurian legend, mystery plays, Chaucerian poetry, and the courtly lyrics of the later Middle Ages. All Old and Early Middle English texts are read in translation.

ENGL 308W **ENGLISH FOR LIFE [Writing Enriched] (3)** *Prerequisite: ENGL220W.* This course will emphasize the lifelong value of literature and writing, including such applications as graduate study and careers. Students in the course will engage with classical works that consider the value of education and what it means to live an examined life. Students will compile a personal writing portfolio suitable for both graduate applications and the job market for students of English. This course is most appropriate for English majors and minors in the first semester of the senior year who are preparing for life after graduation.

ENGL 314W **HISTORY OF THE ENGLISH LANGUAGE [Writing Enriched] (3) [Teacher Licensure]** *Prerequisites: ENGL 111W-112W or ENGL 223W.* This course surveys the development of the English language from the Anglo-Saxon period to the present day. Changes in the language are explored in connection with social and historical contexts in Great Britain. Course work includes study of Old and Middle English grammar and some translation of texts. This course also focuses on application of material to teaching in the secondary schools.

ENGL 315W **ENGLISH GRAMMAR [Writing Enriched] (3) [Teacher Licensure]** *Prerequisites: ENGL 111W-112W or ENGL 223W.* Especially recommended for those planning to teach, this course meets Virginia State Department of Education certification requirements for the teaching of English. This course offers an introduction to the basic elements of the study of language, including phonology (sound patterns), morphology (word formation), syntax (sentence structure), semantics (vocabulary), and orthography (spelling). The course also explores ways of teaching grammar and its impact on writing, reading, and speaking.

ENGL 317 **TEACHING WRITING (3) [Teacher Licensure]** *Prerequisite: ENGL 112.* In this course, designed for prospective teachers of writing, students will investigate current theory and research on the teaching of writing, consider how people learn to write, and reflect on their own writing. They will not only explore how new technologies are shaping the teaching of writing but will apply them as they create writing curricula for hypothetical students, which will include lesson plans, writing activities, and assessment tools. This course meets Virginia State Department of Education certification requirements for the teaching of English.

ENGL 320 **LITERARY CRITICISM (3)** *Prerequisite: ENGL 220W.* Surveying a range of theoretical approaches, this course focuses on the application of theory to literature.

ENGL 323 **MODERN MULTICULTURAL LITERATURE (3)** *Prerequisite: ENGL 220W.* Using twentieth and twenty-first century writers from around the world such as Milan Kundera, Fae Myenne Ng, and Chinua Achebe, the course explores different cultures, the effects of culture on perspective, the historical self-concepts of various peoples, and other peoples' attitudes toward America.

ENGL 334 **GENDER AND LITERATURE (3)** *Prerequisites: ENGL 111W-112W or ENGL 111-112.* This course focuses on representations of women and men, constructions of femininity and masculinity, and sexual politics. Major issues include constructions of gender, and intersections of gender with race, class, and nationality, and the role of reading and writing in processes of social change.

ENGL 337 **AMERICAN MULTI-ETHNIC LITERATURE (3)** *Prerequisite: ENGL 220W.* An examination of multi-ethnic literature by American authors in order to study and appreciate the collective construction of American identity by different cultural traditions.

ENGL 346 **CREATIVE WRITING: NON-FICTION (3)** *Prerequisite: ENGL 205.* This workshop deepens the student's familiarity with the craft of creative nonfiction. Course content includes readings in literary nonfiction that demonstrate a range of formal and aesthetic styles, workshop discussion of student works-in-progress, and writing assignments culminating in a portfolio or series of completed works. Upon course completion, the student will have made satisfactory progress in writing a personal essay, memoir, portrait, travel essay, or other work of creative nonfiction. The student will demonstrate competence in the workshop peer review process.

ENGL 349 CREATIVE WRITING: POETRY (3) *Prerequisite: ENGL 205.* This workshop deepens the student's familiarity with the craft of poetry. Students read model texts, write to practice a variety of poetic techniques and forms, and share their own work. Students complete a portfolio of revised poems.

ENGL 350 CREATIVE WRITING: FICTION (3) *Prerequisite: ENGL 205.* This workshop deepens the student's familiarity with the craft of fiction. Students read model texts, write to practice a variety of fictional techniques, and share their own work. Students complete a portfolio that includes revised fiction.

ENGL 353 LITERATURE OF THE TUDOR DYNASTY (3) *Prerequisite: ENGL 220W.* A survey of the literature in England during the turbulent reigns of the Tudor kings and queens, this course includes works shaped by Humanism, the Reformation, scientific empiricism, and an emerging independent British identity. Readings may include poetry, prose, and drama, and will explore developments in literary forms in a nation entering the early modern world.

ENGL 354 THE GOLDEN AGE (3) *Prerequisite: ENGL 220W.* A survey of the literature of late-Tudor and Stuart England, beginning in the 1580's and ending on the eve of the English Civil War, this course explores literature written during a time when public theatres, mass printing, and drastic changes in religious and political leadership changed the audience of English literature. The course will focus on the developments in poetry, prose, and drama of the period.

ENGL 357 LITERATURE OF THE ROMANTIC PERIOD (3) *Prerequisite: ENGL 220W.* This course focuses on the principal writers of the Romantic Period in Britain such as Coleridge, Shelley, Byron, Wordsworth, Blake, and Keats, and on the essential elements of British Romanticism.

ENGL 358 LITERATURE OF THE VICTORIAN PERIOD (3) *Prerequisite: ENGL 220W.* This course examines the literature of the Victorian period through the works of such writers as Dickens, Eliot, Carlyle, Tennyson, Arnold, the Brownings, the Brontës, and Hardy, and may include transitional authors such as Shaw, Conrad, and Yeats.

ENGL 360 THE ENGLISH NOVEL (3) *Prerequisite: ENGL 220W.* This course allows students to study the development of the novel through the Eighteenth and Nineteenth centuries in England. The course considers the novel as a genre and narrative and thematic innovations in English novels through the different periods.

ENGL 362W THE SHORT STORY: FROM FAIRY TALES TO FLASH FICTION [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W and ENGL 220W.* The short story is an enduring and flexible form, with roots in fairy tales and oral narratives developing into written classic, contemporary, and experimental fiction. This study of narrative via the short story genre gives students a variety of critical perspectives to enhance their acumen as readers and creators of literary texts.

ENGL 365 MODERN POETRY (3) *Prerequisite: ENGL 220W.* This course focuses on poetry through the twentieth and twenty-first centuries. The course considers poetry as a genre and examines the innovations in poetic conventions through different modern literary periods.

ENGL 366 SOUTHERN LITERATURE (3) *Prerequisite: ENGL 220W.* An overview and analysis of the seminal prose and poetry of the American South from the twentieth and twenty-first centuries. Writers under examination will include such figures as William Faulkner, the fugitive poets, Eudora Welty, Alice Walker, and Lee Smith.

ENGL 371 CONTEMPORARY LITERATURE (3) *Prerequisite: ENGL 220W.* An examination of literature written in English from the second half of the twentieth century to the present.

ENGL 373 LITERATURE AND FILM OF VIETNAM (3) *Prerequisites: ENGL 111W-112W or ENGL 111-112.* This course will concentrate on the literature, feature films, and documentaries generated by the Vietnam War. In addition to offering the "facts" surrounding the war, it will incorporate a variety of uncommon perspectives on that war - i.e. fiction and non-fiction written by women and by Vietnamese authors. Social/political commentary on the 60's and 70's and on the long-range effects of this Vietnam experience upon the American psyche will also be incorporated.

ENGL 377 STUDY ABROAD (3) *Prerequisite: ENGL 220.W* This course provides students with the opportunity to study in foreign settings.

ENGL 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

ENGL 397 INDEPENDENT STUDY IN ENGLISH (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor, and credit is dependent on the nature of the work. May be repeated for no more than six credits.

ENGL 398 SPECIAL TOPICS IN ENGLISH (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

ENGL 399 INTERNSHIP IN ENGLISH (1-6) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator and supervising faculty prior to registration.* The internship program allows students practical experience in fields using their training as English majors. Interns may work in such settings as radio and television stations, advertising and public relations agencies, local industries and civic organizations, state and local governments, and individually designed situations. (See "Internships.")

ENGL 414 CHILDREN'S LITERATURE (3) *Prerequisites: ENGL 111W-112W or ENGL 111-112.* This advanced course is designed for classroom teachers and librarians or administrators wishing to extend their knowledge of literature available for children and to understand the criteria for evaluating books. Emphasis is on integrating trade books with all aspects of the curriculum in the modern school. Note: This course does not count for credit for the English major or minor.

ENGL 417 CHAUCER (3) *Prerequisite: ENGL 220W.* This course introduces students to the range of works by the poet Geoffrey Chaucer (c. 1343-1400), as well as the cultural context in which he lived. The course explores the poet's longer narrative works, including the *Canterbury Tales*, and a sampling of his prose and short lyrics with emphasis on the impact of Chaucer's writings on modern audiences. All texts are available in translation.

ENGL 420 SENIOR SEMINAR IN ENGLISH (3) *Prerequisite: ENGL 220W.* Using knowledge of literary history, genres, form, and techniques, as well as expertise in writing and interpretation, senior English majors will assemble a theme-based literary anthology comprising texts from specified eras and genres. These anthologies will also include a formal introduction and headnotes for each entry. Senior standing is normally required to enroll.

ENGL 421-422 SHAKESPEARE I, II (3, 3) *Prerequisites: ENGL 201 or 202 and ENGL 220W.* English 421 provides an in-depth study of the best known tragedies and most important English history plays by Shakespeare. Some attention is given to major critical approaches and background material. English 422 focuses on the romantic comedies, the problem plays, and the romances. References are made to plays studied in 421, but 421 is not a prerequisite.

ENGL 424 ADVANCED CREATIVE WRITING (3) *Prerequisites: Two of the following: ENGL 346, 349, 350.* This course includes advanced study of craft in published and student work. Students complete a portfolio of revised creative writing and learn about the current strategies and trends of creative writing engagement, including publication.

ENGLISH AS A SECOND LANGUAGE (ESL)

ESL 151 INTERMEDIATE ESL GRAMMAR (3) International students at an intermediate level will study English grammar with work in both written and oral forms. This course will focus on improving grammar and editing skills so that Students will develop their ability to compose grammatically correct and comprehensible sentences and short writings.

ESL 153 INTERMEDIATE LISTENING AND SPEAKING (3) International students at an intermediate level will develop their conversation skills in American English with particular focus on interaction in an academic setting. Emphasis will be given to developing oral proficiency with grammatical accuracy in class discussions and speaking assignments.

ESL 155 INTERMEDIATE READING (3) International students at an intermediate level will study reading skills and strategies. Emphasis will be placed on academic vocabulary, critical reading, dictionary use, writing styles and how to summarize, paraphrase, and identify main ideas and supporting details.

ESL 157 INTERMEDIATE WRITING (3) International students at an intermediate level will study English writing with emphasis on process, syntax, and paragraph development. Particular attention will be given to writing paragraphs and short essays based on personal experience and response to readings.

ESL 159 INTERMEDIATE READING AND WRITING (3) International students with an intermediate command of academic reading and writing will study academic texts and learn to write effective responses. Vocabulary development and a review of grammar are integrated into the course.

ESL 201 ADVANCED ESL GRAMMAR (3) *Prerequisite: ESL 151 or TOEFL 500.* International students at an advanced level will study English grammar with work in both written and oral forms. This course will focus on improving grammar and editing skills so that Students will develop their ability to compose complex and grammatically correct writings.

ESL 203 ADVANCED LISTENING AND SPEAKING (3) *Prerequisite: ESL 153 or TOEFL 500.* International students at an advanced level will develop their conversation skills in American English with particular focus on interaction in an academic setting. Emphasis will be given to developing oral proficiency with grammatical accuracy in class discussions and speaking assignments.

ESL 205 ADVANCED READING (3) *Prerequisite: ESL 155 or TOEFL 500.* International students at an advanced level will study reading skills and strategies through both assigned and self-selected materials to develop strategies required of independent readers. Emphasis will be placed on academic vocabulary, critical reading, dictionary use, writing styles and how to summarize, paraphrase, and identify main ideas and supporting details.

ESL 207 ADVANCED WRITING (3) *Prerequisite: ESL 157 or TOEFL 500.* International students at an advanced level will study English writing with emphasis on process, syntax, and paragraph development. Particular attention will be given to writing paragraphs and short essays based on personal experience and response to readings.

ENVIRONMENTAL SCIENCE COURSES (ENVS)

ENVS 101-102 EARTH AND ENVIRONMENTAL SCIENCE I, II (3, 3) *Corequisite: ENVS 101L-102L.* Three hours lecture. This course sequence offers an interdisciplinary introduction to the scientific study of the earth's physical and biological systems with an emphasis on environmental changes and their implications.

ENVS 101L-102L EARTH AND ENVIRONMENTAL SCIENCE LABORATORY I, II (1, 1) *Corequisite: ENVS 101-102.* Three hours laboratory to accompany ENVS 101-102.

ENVS 201W HISTORY OF EARTH AND LIFE [Writing Enriched] (4) *Prerequisites: ENGL 111W-112W or ENGL 223W, ENVS 101/101L-102/102L.* This course provides an overview of the Earth's composition, structure, and the geologic processes that continually shape the planet. Special attention will

be given to rocks, minerals, plate tectonics, and the history of the geology. The biological evolution of life on Earth will be studied by examination of fossils and the fossil record.

ENVS 211 PHYSICAL GEOGRAPHY (3) Three hours lecture. This course provides a broad natural science background for students. The interrelationship of the lithosphere-hydrosphere-atmosphere, climate-soil-vegetation, and landforms of the world bring into perspective observable natural phenomena.

ENVS 238 INTRODUCTION TO RESEARCH (1-3) *Prerequisite: Consent of supervising instructor.* This course provides the beginning student the opportunity to conduct lab, field, or library research under the supervision of a faculty member. Credit is dependent upon the scope of the work.

ENVS 321 CONSERVATION ECOLOGY (4) *Prerequisites: BIOL 113-114 or ENVS 101/101L-102/102L.* Three hours lecture and three hours laboratory. This course addresses biological diversity at the genetic, population, and species levels. In particular, human impacts on diversity are investigated, and practical approaches to understanding and preventing extinction are explored. In addition, the mechanisms underlying large-scale ecological processes and their changes across space and time are examined, with the relationships among landscape structure, resource distributions, and populations also studied.

ENVS 324 SUSTAINABLE FOREST MANAGEMENT (4) *Prerequisites: satisfactory completion of the following: BIOL 113 or ENVS 101/101L and 102/102.* This course teaches the principles and techniques of forest management from both economic and environmental standpoints. Students will be trained in silviculture, dendrology, and timber cruising and harvesting during lectures, labs, and field trips. Topics related to timber harvesting such as watershed management, wildlife conservation, rangeland management, global climate change, and outdoor recreation will also be explored. The importance of managing forests so that they do not become depleted will be the overriding theme of the course.

ENVS 331 PRINCIPLES OF HYDROLOGY (4) *Prerequisites: CHEM 111, MATH 103.* Three hours lecture and three hours laboratory. This course is a study of the principles and theory of surface water and groundwater flow, chemistry, and quality; understanding and determination of water budget, hydrologic cycle, and Darcy's law; social, political, and economic issues related to hydro-logical systems.

ENVS 333 PHYSICAL OCEANOGRAPHY (4) *Prerequisites: BIOL 113-114 or ENVS 101/101L-102/102L.* Three hours lecture and three hours laboratory. This course focuses on ways in which oceans function and interact with earth systems. Consideration is given to ocean currents and vertical mixing, water chemistry, heat and energy transfer, sea floor geology, and coastal processes.

ENVS 336 PHYSICAL GEOLOGY (4) *Prerequisites: BIOL 113-114 or ENVS 101/101L-102/102L, or permission of instructor.* Three hours lecture and three hours laboratory. This course is a study of the earth's structure, composition, surface features and processes, rocks, minerals, mountain building, volcanoes, earthquakes, and the weathering and erosional effects of wind, water, and ice.

ENVS 337 HISTORICAL GEOLOGY (4) *Prerequisites: BIOL 113-114 or ENVS 101/101L-102/102L.* Three hours lecture and three hours laboratory. This course looks through the earth's past through the record hidden in the rocks and the fossils contained within and includes a study of the development of life on earth as well as the climate and geologic changes of the earth's surface from the Precambrian until the present.

ENVS 338 ENVIRONMENTAL GEOLOGY (4) *Prerequisites: BIOL 113-114 or ENVS 101/101L-102/102L.* Three hours lecture and three hours laboratory. This course is a systematic study of processes that operate at or near earth's surface and influence the development, preservation, and destruction of natural environments. Topics covered include the influence of fluvial, atmospheric, mass-wasting, glacial, volcanic and tectonic systems on the environment. Mitigation strategies to prevent environmental degradation will be discussed.

ENVS 340 INTRODUCTION TO REMOTE SENSING (3) *Prerequisites: BIOL 113-114 or ENVS 101/101L-102/102L.* This course introduces students to the science and applications of remote sensing, with a focus on data acquisition and analysis. Remote sensing platforms including aerial photography and satellite imagery – as well as the use of unmanned aerial vehicles and drones – will all be addressed and explored. Students will study the relevance of remote sensing technologies across a variety of fields, including land cover mapping, climate change assessment, pollution detection, and disaster monitoring.

ENVS 345 METEOROLOGY (3) *Prerequisites: ENVS 101/101L-102/102L.* This class investigates the structure, components and processes of the earth's atmosphere. Global circulation patterns, precipitation, tropical systems, severe weather events, and air pollution issues are all studied. Understanding how to analyze and produce weather forecasts will be emphasized.

ENVS 347 CLIMATOLOGY (3) *Prerequisites: ENVS 101/101L-102/102L.* This course explores how the atmosphere, oceans, and land masses all interact to influence earth's climate. Various local climates on our planet will be studied along with influencing factors such as latitude, topography, land-water interactions, and air and ocean circulation. A special emphasis will be placed on understanding both short- and long-term natural climate changes, and how humans might influence such variability.

ENVS 365 WETLANDS (4) *Prerequisites: ENVS 101/101L-102/102L.* This course provides an overview of the general ecology, hydrology, vegetation types, wildlife habitats, biogeochemistry, and conservation issues of wetlands. Special attention will be given to the legal and mitigation issues surrounding wetland conservation and preservation.

ENVS 375 FRESHWATER ECOLOGY (4) *Prerequisites: BIOL 113-114 or ENVS 101/101L-102/102L.* Three hours lecture and three hours laboratory. This course focuses on the physical, chemical, and biological properties of the freshwater environment. A special emphasis will be placed on studying anthropogenic impacts on aquatic habitats and their organisms.

ENVS 377 STUDY ABROAD (3) This course provides students with the opportunity to study principles of environmental science in foreign settings.

ENVS 380 GEOGRAPHIC INFORMATION SYSTEMS (GIS) (4) *Prerequisite: Junior/ senior standing.* Three hours lecture and three hours laboratory. This course introduces students to the theory and practice of Geographic Information Systems (GIS) and prepares them for its use across numerous fields of study. Geographic Information Systems (GIS) is specially designed hardware and software for the analysis and display of spatially explicit data. With intelligent digital maps, such systems allow users to store, query, and retrieve information based on desired parameters.

ENVS 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

ENVS 397 INDEPENDENT STUDY IN ENVIRONMENTAL SCIENCE (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

ENVS 398 SPECIAL TOPICS IN ENVIRONMENTAL SCIENCE (1-4) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

ENVS 399 INTERNSHIP IN ENVIRONMENTAL SCIENCE (1-12) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator and supervising faculty prior to registration.* This internship is offered to qualified students allowing them to gain personal and practical experience in various areas of environmental science. Internships include but are not limited to working in environmental laboratories, natural resources conservation, restoration of natural areas, and help with research projects conducted by senior scientists and engineers.

ENVS 428 INDIVIDUAL RESEARCH IN ENVIRONMENTAL SCIENCE (1-6) *Prerequisites: Junior or senior standing; consent of supervising instructor.* This independent opportunity to conduct a field, laboratory, or literary study project culminates in a formal paper and/or presentation as directed by the supervising instructor. Credit is dependent on the nature of the work but may not exceed three credit hours per semester.

ENVS 490 ENVIRONMENTAL SCIENCE SEMINAR (1) *Prerequisite: Senior Standing.* This seminar is intended as a capstone course and provides an opportunity for students to study a range of biological questions presented by outside speakers. Additionally, students' communication skills are assessed through oral presentations on interships or individual research projects, as well as other topics.

ENVIRONMENTAL STUDIES COURSES (ENST)

ENST 210 W PEOPLE AND THE ENVIRONMENT [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W, or HONR 103W.* This course provides an introduction to the various dimensions of human interaction with the environment and natural resources. Topics include environmental management, economics, law, policy, and global issues, as well as environmental education, communication, recreation, eco-tourism, values, and ethics.

ENST 238 INTRODUCTION TO RESEARCH (1-3) *Prerequisite: consent of supervising instructor.* This course provides the beginning student the opportunity to conduct lab, field, or library research under the supervision of a faculty mentor. Credit is dependent on the scope of the work.

ENST 350 ENVIRONMENTAL LAW AND POLICY (4) *Prerequisites: ENVS 101/101L-102/102L.* This course provides an introduction to the laws and policies governing pollution, hazardous wastes, the use of natural resources, etc. Environmental policy formulation and implementation and the role of the judicial system will be topics of focus.

ENST 360 SUSTAINABLE LIVING (4) *Prerequisites: ENVS 101/101L-102/102L.* This course examines the impact of personal and collective choices on natural resources and the sustainability of communities. Integration of service learning opportunities allows student teams to extend course principles to the local community.

ENST 365 ENVIRONMENTAL ARCHAEOLOGY (3) This course will provide students with new ways to understand the past, and offer opportunities to approach the environmental challenges faced today from a deeper historical perspective. Archaeological method and theory will be discussed alongside case studies, from the earliest cultures to historic times, illustrating key discoveries that have been made by archaeologists about the relationship between past people and their landscapes through such evidence as artifacts, ecofacts, archaeological features, historic maps, soil layers, and written remains.

ENST 370 ENVIRONMENTAL MANAGEMENT (4) *Prerequisites: ENVS 101/101L-102/102L.* This course is a survey of management techniques and topics in the environmental field. Land use planning and ecosystem management are emphasized.

ENST 377 STUDY ABROAD (3) This course provides students with the opportunity to study principles of environmental science in foreign settings.

ENST 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

ENST 397 INDEPENDENT STUDY IN ENVIRONMENTAL STUDIES (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

ENST 398 SPECIAL TOPICS IN ENVIRONMENTAL SCIENCE (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

ENST 399 **INTERNSHIP IN ENVIRONMENTAL STUDIES (1-12)** *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator and supervising faculty prior to registration.* This internship is offered to qualified students, allowing them to gain personal and practical experience in various areas of the environmental field. Internships include but are not limited to working in environmental laboratories, natural resources conservation, environmental law and policy, restoration of natural areas, and help with research projects conducted by senior researchers.

ENST 428 **INDIVIDUAL RESEARCH IN ENVIRONMENTAL STUDIES (1-6)** *Prerequisites: Junior or Senior Standing; consent of supervising instructor.* This independent opportunity to conduct a field, laboratory, or literary study project culminates in a formal paper and/or presentation as directed by the supervising instructor. Credit is dependent on the nature of the work but may not exceed three credit hours per semester.

ENST 480 **CAPSTONE COURSE IN ENVIRONMENTAL STUDIES (3)** *Prerequisites: ENVS 101/101L-102/102L, junior or senior standing.* This course serves as the capstone course for the Environmental Studies major. A current environmental issue will be chosen for in-depth study from various perspectives (policy, economics, sociology, history, science, etc.).

EXERCISE PHYSIOLOGY COURSES (EXPH)

EXPH 100 **PHYSIOLOGICAL ASSESSMENTS IN EXERCISE PHYSIOLOGY (3)** This hands-on course is designed to teach the exercise physiology major about tests used to assess health and skill related physical fitness. Students will learn how to conduct and participate in various assessments of physical fitness. Course fee is required.

EXPH 200W **EXPLORATION IN EXERCISE PHYSIOLOGY [Writing Enriched] (3)** *Prerequisites: ENGL 111W-112W or ENGL 223W; pre or corequisite: EXPH 100.* This course will examine the numerous career opportunities that exist in the field of Exercise Physiology, how they relate to the field of study, and what are the qualifications and certifications needed to pursue a career in the specific sub-disciplines of Exercise Physiology. This course will also focus on techniques regarding reading and locating research as well as incorporate scientific writing techniques about different topics within exercise physiology.

EXPH 225 **BASIC EMERGENCY AND INJURY CARE MANAGEMENT (3)** This course is designed to introduce students to basic orthopedic injuries, conditions, and disorders. In addition, students will learn basic emergency management. Course fee required.

EXPH 325 **PHYSIOLOGY OF EXERCISE (3)** *Prerequisites: BIOL 222/222L, 223/223L.* This course studies the human body's short term and long term adjustments to exercise. Topics include: musculoskeletal function, energy metabolism, respiratory adjustments, heart and circulatory adjustment, neural control, temperature regulation, environmental effects, and conditioning principles.

EXPH 326 **ADVANCED PHYSIOLOGY OF EXERCISE (3)** *Prerequisite: EXPH 325.* This course is designed to provide students with an in-depth study of physiological and biochemical alterations occurring in the human body as a result of exercise. Topics will include control of bioenergetics, exercise metabolism, acute and chronic adaptations to aerobic and resistance training programs, physiology of performance, environmental effects, hormonal responses, and temperature regulation.

EXPH 330 **ASSESSMENT AND TREATMENT OF GENERAL MEDICAL CONDITIONS (3)** *Prerequisite: EXPH 325.* This course is designed to provide students with the knowledge and skill necessary to recognize and treat a variety of systemic pathologies.

EXPH 342 **LABORATORY TECHNIQUES IN EXERCISE PHYSIOLOGY (3)** *Prerequisites: EXPH 325, STAT 222.* This course provides students with the opportunity to learn the techniques used in laboratories to test the physiological changes in response to acute and chronic exercise. Students will be required to utilize their knowledge of the underlying physiology and the responses to exercise in order to accurately examine and explain the observations.

EXPH 355 SCIENTIFIC PRINCIPLES OF STRENGTH AND CONDITIONING (4) *Prerequisite: EXPH 325.* Three hours lecture and two hours laboratory. This course provides students with the scientific principles and practical skills to develop and adjust conditioning programs. Students learn how to design conditioning programs to address strength, power, speed, agility, and endurance needs. Students also learn how to adjust programs for those with special needs (e.g. injuries) so programs can be safe and effective. The lab will entail movement instruction, practice, and hands on coaching experience. Students will be required to participate in learning the various movements, practicing the movements in order to work towards becoming proficient as well as observe and critique fellow classmates on the movements.

EXPH 370 SPORTS NUTRITION (3) *Prerequisite: EXPH 325.* This course will discuss macronutrient and micronutrient needs in relation to physical activity. Additional topics include ergogenic aids and the timing of food and fluids before, during, and after physical activity for optimal performance.

EXPH 380 KINESIOLOGY (3) *Prerequisites: BIOL 222/222L, 223/223L.* This course is a study of the origin, mechanics, and effectiveness of human motion.

EXPH 382 EXERCISE PHYSIOLOGY OF SPECIAL POPULATIONS (3) *Prerequisites: EXPH 326, 342.* This course is designed to discuss physiological differences in populations such as children and youth, older adults, pregnant women as well as populations with diseases such as heart disease, pulmonary disease, obesity, and diabetes and the modifications required for exercise testing and prescription of these populations.

EXPH 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

EXPH 397 INDEPENDENT STUDY IN EXERCISE PHYSIOLOGY (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

EXPH 398 SPECIAL TOPICS IN EXERCISE PHYSIOLOGY (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

EXPH 415 INTERNSHIP IN EXERCISE PHYSIOLOGY (1-12) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; EXPH 326, 342, 355; approval of written proposal by internship coordinator, and supervising faculty prior to registration.* This course offers a professional internship with an appropriate health fitness organization/program. The student and faculty sponsor agree on the location and responsibilities of the intern. The number of credits depends on the number of hours involved. (See "Internships.")

EXPH 425 ADVANCED HEALTH AND FITNESS EVALUATION AND PROGRAMMING (3) *Prerequisites: EXPH 326, 342.* This course provides the student with the knowledge and skills necessary for risk stratification, physiological assessment, interpretation of test results, and design of health and activity programs for apparently healthy populations. Emphasis on developing competency in following ACSM guidelines for exercise testing and prescription will be stressed.

EXPH 435 LEADERSHIP AND PROFESSIONALISM FOR EXERCISE PHYSIOLOGISTS (3) *Prerequisite or corequisite: EXPH 425.* This course explores leadership techniques and professionalism issues relevant for a variety of settings in the health and fitness industry. Students will be introduced to legal, organization and risk management aspects associated with working in the health and fitness industry. The role of leadership in managing human and fiscal resources and creating marketing plans will also be covered.

EXPH 450W RESEARCH METHODS IN EXERCISE PHYSIOLOGY (3) *Prerequisites ENGL 111W-112W or ENGL 223W, Prerequisite or corequisites: EXPH 326, 342.* This course is a capstone designed to teach students the research process as it pertains specifically to exercise physiology. Students will be expected to utilize their knowledge of exercise physiology in the discussion of how to conduct quality research, how to critique current relative research in the profession, and how to summarize research for understanding by the lay population. Students must complete this course with a C or better and have IRB approval of a research proposal if they choose to take EXPH 451 as an elective.

EXPH 451 RESEARCH METHODS IN EXERCISE PHYSIOLOGY: DATA COLLECTION AND FINAL MANUSCRIPT (2) *Prerequisite: EXPH 450 (C or better) and IRB approval of a research proposal.* This course is an elective second research course designed for students to complete a research project that has already been proposed and approved by the Institutional Review Board. Students will integrate their knowledge of exercise physiology as well as their skills and mastery at performing a myriad of assessments to collect data, analyze results, and write a final manuscript according to professional guidelines. The course will culminate with the student presenting their research at the Student Scholar Showcase or an equivalent forum approved by the instructor.

FINANCE COURSES (FIN)

FIN 150 FAMILY AND PERSONAL FINANCE (3) This functional course is designed to meet the needs of individuals and married couples in their attempt to save, invest, and spend wisely. Primary emphasis is placed on buying a house, appropriate life insurance policies, and investing in the stock market.

FIN 317 PRINCIPLES OF FINANCE (3) *Prerequisites: ACCT 201, ECON 201-202, and one of the following: General Education Math, BUAD 241, or ECON 250.* Course examines basic financial principles involving procurement, allocation, and control of funds of the business firm. Topics include maximizing shareholder wealth, time value of money, stock and bond valuation, risk and expected return, capital budgeting, and financial statement analysis.

FIN 318 FINANCIAL MANAGEMENT (3) *Prerequisite: FIN 317.* This course applies basic financial techniques and principles to financial administration, policy, and decision-making of the firm. This course also examines ethical issues involved in financial administration, policy, and decision-making. The case-study method is used. A continuation of FIN 317. Through case analysis and discussion, students will gain increased sophistication in their knowledge and application of managerial models relevant to the topics covered in the Principles of Finance. The course will also introduce in-depth material in the areas of capital market behavior, mergers, acquisitions, divestitures, and international finance.

FIN 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

FIN 397 INDEPENDENT STUDY IN FINANCE (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

FIN 398 SPECIAL TOPICS IN FINANCE (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

FIN 405W INVESTMENT FUNDAMENTALS [Writing Enriched] (3) *Prerequisites: ECON 201-202, ENGL 111W-112W or ENGL 223W, and FIN 317.* This course studies the economic, fundamental, and technical analysis of financial securities and their use in achieving investment objectives. The course focuses on assessing the risks and returns offered by the major classes of financial securities and their derivatives; the assessment of intrinsic versus market values; the construction of portfolios for different purposes and basic portfolio management practices; and the mechanics of participation in securities markets.

FRENCH COURSES (FREN)

All students entering the 102, 201 and 202 language levels will be required to take a placement test. The results of this test will determine the highest level of the language in which a student may enroll: i.e. 0-24 = FREN 101, 25-40 = FREN 102, 41-52 = FREN 201 and 53-56 = FREN 202. Class level placement is also based upon the successful completion of the prerequisite language course at the college level, earned AP credit or by consent of the instructor.

To waive the general education requirement for FREN 201, students must score 53 or above and pass an additional evaluation that includes an oral interview and a written component.

Work in the MLRC constitutes part of the elementary and intermediate language courses. It is designed to furnish peer language tutors for review and to teach and test listening comprehension and speaking skills, the components of which are auditory discrimination, auditory memory, pronunciation and fluency.

For students whose native language is not English, the foreign language general education requirement may be waived using the substitution waiver form based on documentation of proficiency in the native language provided to the Department of Modern and Classical Languages. In cases in which students are foreign nationals, documentation of their International Student status from a country where English is not the native language is sufficient for the department to waive the foreign language requirement.

FREN 101-102 ELEMENTARY FRENCH I, II (3,3) This course sequence introduces four language skills in French: listening comprehension, speaking, reading, and writing with emphasis on basic grammar and oral proficiency. Work in the language laboratory is required.

FREN 201 INTERMEDIATE FRENCH (3) *Prerequisites: FREN 101-102.* (Each student's level is determined by a placement test that is given at the beginning of the course.) This course provides a review of grammar and intensive reading and conversational practice emphasizes the speaking of French. This course should bring students to the novice high/intermediate low oral proficiency level (ACTFL Guidelines). Work in the language laboratory is required.

FREN 202 INTERMEDIATE FRENCH (3) *Prerequisite: FREN 201.* This review of grammar and intensive reading practice of French is based on selected literary and civilization texts. Work in the language laboratory is required.

FREN 203-204 FRENCH INTERMEDIATE CONVERSATION (3, 3) *Prerequisites: FREN 101-102, or the equivalent; pre or corequisite: FREN 201.* This course sequence involves the spoken use of practical, day-to-day French.

FREN 207 FRENCH LITERATURE IN TRANSLATION I (3) With readings and lectures entirely in English, this course covers French writers from the Middle Ages through the eighteenth century. Representative works and writers include the "Song of Roland," "Tristan and Yseult," Montaigne, Pascal, Moliere, Corneille, Racine, Voltaire, and Rousseau.

FREN 208 FRENCH LITERATURE IN TRANSLATION II (3) With readings and lectures entirely in English, this course covers French writers from the nineteenth and twentieth centuries. Writers include: Balzac, Maupassant, Flaubert, Proust, Camus, and Sartre.

FREN 221-222 ADVANCED LANGUAGE PRACTICE (3,3) *Prerequisite: FREN 202.* This course sequence provides intensive practice in oral and written French to develop fluency and correctness of expression. Special emphasis is on vocabulary building, development of style, and cultural awareness.

FREN 241-242 CONVERSATION AND COMPOSITION (3,3) *Prerequisite: FREN 202.* This course sequence provides intensive practice in oral and written French to develop fluency and correctness of expression. Special emphasis is on vocabulary building and development of style. The course will use a political and historical approach to French cultural topics and include an introduction to French literature and literary criticism.

FREN 277 STUDY ABROAD (3) *Prerequisite: consent of instructor.* This course, offered in a francophone country, involves intensive French instruction in oral communication, civilization, culture, and language. This course is open to all students with consent of instructor; no prior knowledge of French is required.

FREN 300 THE CULTURE AND CIVILIZATION OF FRANCE: 400BC -1789 (3) *Prerequisite: French 202 for French majors and minors or **no prerequisite but simply consent of instructor for those taking this course as an elective.* This broad introduction to French culture and civilization focuses on the significant historical events, political movements, philosophic schools, and social phenomena which contributed to the formation of France and French culture. Through a careful analysis of geographic, economic, cultural, and political phenomena, the evolution of the French state and its people from the beginnings of Celtic tribal culture to the dominant intellectual, artistic, political, and cultural nation of the Enlightenment period of the 18th century will be studied. Please note that any term in which there are non-French majors and minors enrolled in this course it would be taught in English (to attract a broader target public). In this case only French majors, minors, and specialists (and those who so desire) would perform all their written work in French.

FREN 310 FRENCH CIVILIZATION IN FRENCH FILM (3) *Prerequisite: Consent of instructor.* This course explores through French film events in French history that have most influenced France and francophone countries and current social issues. Content includes history of the technologies that led to the development of film projection as the “septième art”. The unique cultures of the French speaking world are presented through the classic and contemporary films of various genres. Providing the terminologies of French film and elements of film production will give students the tools necessary to make informed critiques.

FREN 311-312 SURVEY OF FRENCH LITERATURE (3,3) *Prerequisite: FREN 222, 242.* This course sequence focuses on readings in French covering the Middle Ages through the eighteenth century.

FREN 313-314 SURVEY OF FRENCH LITERATURE (3,3) *Prerequisite: FREN 222, 242.* This course focuses on readings in French from the nineteenth and twentieth centuries.

FREN 333-334 CONTEMPORARY FRENCH LITERATURE (3,3) *Prerequisite: FREN 222, 242.* In this course, sequence readings focus on the works of Proust, Gide, Valéry, Alain, Sartre, Camus, Claudel, and others. Surrealism and existentialism are discussed.

FREN 377 STUDY ABROAD (3) *Prerequisite: Consent of instructor.* This course, offered in a francophone country involves intensive French instruction in oral communication, civilization, culture, and language.

FREN 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

FREN 389-390 BUSINESS FRENCH (3,3) *Prerequisite: Consent of instructor.* A survey of business concepts in France, this course is approached both in terms of study of daily French business practices and as training in vocabulary skills to permit such study. Most standard aspects of commerce in France are covered.

FREN 397 INDEPENDENT STUDY IN FRENCH (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

FREN 398 SPECIAL TOPICS IN FRENCH (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

FREN 399 INTERNSHIP IN FRENCH (1-6) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator and supervising faculty prior to registration.* Students may earn college credit for participation in an internship with a business firm, a government agency, or a private non-profit organization; jointly supervised by the program and the responsible orga-

nization administrator. The internship is expected to provide the student with an opportunity to apply, in a practical way, some of the language skills acquired in the study of French. (See “Internships.”)

FREN 470 METHODOLOGY OF TEACHING SECOND LANGUAGES (3) *Prerequisite: Junior or senior status.* This course is designed for students interested in teaching French, Spanish or English as a second language (ESL). The course provides a thorough introduction to contemporary theories of second language acquisition, methods of language teaching and assessment, and current issues in second language teaching. Additional work will be required for graduate credit.

FREN 475W-476W SEMINAR IN FRENCH [Writing Enriched] (3,3) *Prerequisites: ENGL 111W-112W or ENGL 223W.* This capstone course sequence is required of all French majors. The first semester focuses on stylistic, advanced translation, and aspects of literary criticism, based on knowledge acquired in previous course work. In the second semester students will be prepared to present orally and in writing a portfolio of their work, including a senior thesis to be written and defended in French.

GENDER STUDIES COURSES (GNDR)

GNDR 210 INTRODUCTION TO GENDER STUDIES (3) *Prerequisite: HIST 101-102.* This course introduces students to gender theories as they emerge in a wide variety of disciplines, with an emphasis on gender as a social construction.

GNDR 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

GNDR 397 INDEPENDENT STUDY IN GENDER STUDIES (1-3) *Prerequisite: Approval of faculty sponsor and school dean: junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May not be repeated.

GNDR 410 GENDER STUDIES CAPSTONE PROJECT (3) *Prerequisites: GNDR 210 and nine hours of Gender Studies approved coursework.* Students will apply appropriate theoretical models in gender studies in a research project that will demonstrate understanding of that application’s usefulness as well as its limitations. The project will be evaluated by a committee (the “Research Committee”) consisting of the director of gender studies, the research advisor (in the student’s field of interest), as well as one other committee member selected by the student.

GENERAL STUDIES COURSES (G S)

G S 100 FRESHMAN SUCCESS SEMINAR (1) This seminar is designed to help freshmen make a successful transition to University of Lynchburg. Emphasis is placed on educating new students about campus policies and resources as well as helping new students make sound decisions relative to their academic and co-curricular lives. Specific topics addressed include goal-setting, time management, and working with advisors and other faculty members.

G S 104 COLLEGE SUCCESS STRATEGIES (1) This support course teaches the skills and strategies, and encourages the attitudes a student needs to achieve the academic goals the College set forth for its students as part of its mission. Goal-setting, time management, note-taking, active reading, and other important study skills and strategies are addressed. The course also provides students with opportunities for self-reflection and development of decision-making strategies to help them make a smoother transition into college. Attention is also devoted to student understanding of basic academic rules and regulations.

G S 105 CAREER DEVELOPMENT FOR THE LIBERAL ARTS AND SCIENCES (1) Open only to freshmen and sophomores, this course introduces students to the career-decision making process through self-assessment, major/career exploration, and the integration of this information into career fields. Particular emphasis is given to the use of the Internet as a resource for career exploration.

G S 111 **APPLIED INFORMATION LITERACY – BASIC 1 (1)** This course provides an introduction to information retrieval skills needed for successful research and critical analysis of information in the scholarly setting as well as everyday life activities. Topics covered will include types of information and classification schemes, basic library research skills, and strategies for finding monographic resources in Knight-Capron Library.

G S 112 **APPLIED INFORMATION LITERACY – BASIC 2 (1)** This course introduces the student to types of information found in the periodical literature and their application to scholarly activities and life-long learning situations. In addition to exploring different types of periodicals, print and electronic indexes that are used to locate appropriate resources will also be covered. The course will provide an introduction to the issue of plagiarism and how to avoid it.

G S 113 **RESEARCH STRATEGIES FOR COLLEGE PAPERS AND PRESENTATIONS (1)** This course is designed to develop critical thinking skills when using Internet information resources for academic course work. Search strategies, topic analysis, Boolean logic, and refinement of searching techniques are among the areas covered as they apply to available online databases and Web search engines. In addition to improving students' Internet skills, the course develops a better understanding of how and when to use electronic resources.

G S 135 **FRESHMAN SYMPOSIUM (1-3)** This course is designed to link with existing General Education courses to create a learning community. Interdisciplinary in nature, the course uses collaborative learning processes to explore a variety of topics that enrich the General Education offerings to which they are linked. Specific topics vary based on faculty interests and current issues.

G S 150 **EFFECTIVE READING STRATEGIES (1)** This course is designed to provide instruction and support to enable individuals to comprehend complex college readings. The course provides instruction in research-based strategic reading strategies found to improve reading success along with individual or small group tutoring sessions for support in applying strategies.

GS 151 **EFFECTIVE WRITING STRATEGIES (1)** This course will provide instruction and support to enable students in comprehending essential writing skills including grammar/mechanics, content, and organization. The course will utilize a textbook that covers standard English and writing instruction.

GS 152 **COLLEGE MATH (1)** This course introduces students to college mathematics. Essential quantitative and algebraic concepts and skills are introduced and reinforced.

G S 201 **PEER TUTORING/MENTORING SEMINAR (1)** This course is based on a theoretical framework of peer-based tutoring, mentoring, and advising coupled with direct application through learning resource services, the LC Connections program, and academic/career advising. The learning format combines a weekly one-hour seminar with a weekly one-hour session of direct tutoring, mentoring, and/or advising.

G S 175 **ACADEMIC SURVIVAL SKILLS: WHAT EVERY COLLEGE STUDENT SHOULD KNOW (2)** This course will provide new students with an overview of university life placing an emphasis on the development of reading, writing, and research skills needed to be successful in college. This course will also focus on self-leadership and self-management assisting the transition from high school to college.

G S 220 **EXPLORING SOCIAL ENTREPRENEURSHIP AND LEADERSHIP (1)** The course will explore what it means to be a social entrepreneur in a wide variety of fields. Guest lecturers will include entrepreneurs working in non-profit and for-profit settings who will discuss their personal experiences as leaders and entrepreneurs, and describe the qualities they feel are necessary for students to become effective leaders and successful entrepreneurs.

G S 275 **WORLD WAR I: HOW THE WORLD CAME UNGLUED (3)** *Prerequisite or corequisite: ENGL 111W, 112W, HONR 103W.* This course addresses the complications that led up to the war, the war itself, and the impact of the war on politics, women and African Americans, art and literature, science, and society's perception of war. The students will write reflection papers and a research paper on a topic of their choice related to the war.

G S 277 **STUDY ABROAD: CROSS-CULTURAL EXPLORATIONS (1)** This course prepares students to participate in an international, cross-cultural experience. Students will address issues related to the cultural and practical side of international travel.

G S 293 **APPLIED INFORMATION LITERACY – ADVANCED (1)** This course focuses on the development and practical application skills necessary to find and evaluate efficiently a wide variety of information sources for major term papers, presentations and other student research courses, including the senior theses. It is designed to be taken concurrently with a course that involves a substantial student research project with the approval of the course professor. As the content is based on the nature of the specific research project, this course may be repeated in conjunction with additional research projects.

G S 303 **PROFESSIONAL AND BUSINESS ETIQUETTE IN THE WORK PLACE (1)** This class is open to all students and does not require a prerequisite. This course explores professional business etiquette in organizations and prepares students to understand appropriate behavior with regards to: co-worker interaction, professionalism with supervisors, professional use of email and social media, appropriate dress for the workplace, customer service relationships, office romance policies and office gossip along with dining etiquette.

G S 304 **RESUMES AND MOCK INTERVIEWS (1)** This class is open to sophomore, junior, and senior students and does not require a prerequisite. This course will assist students in creating differing styles of resumes and interviewing skills in order to prepare students whether it is for the corporate world, graduate school or other post graduate applications. Particular emphasis will be placed on catering their resume type and practicing interviewing techniques for life after LC.

G S 305 **ADVANCED CAREER DEVELOPMENT: PLANNING FOR YOUR FUTURE (1)** Open to upperclassmen, this course will assist students in planning their entry into the world of work, creating resumes and cover letters, developing interviewing and networking skills, and exploring graduate/professional school and other options. Particular emphasis will be placed on activities that develop skills which will enhance the initial stage in one's career.

G S 306 **CAREER NETWORKING (1)** This class is open to sophomore, junior, and senior students and does not require a prerequisite. This course introduces career networking through a variety of contexts. Specific, interpersonal relationship building is explored using face-to-face as well as social media contexts for short and long term career networking. Socially acceptable industry practices are examined as students are offered pragmatic strategies to build professional networking relationships.

G S 330 **LEADERSHIP IN ACTION PRACTICUM (3)** *Prerequisites: Must complete at least six credit hours from BUAD 222, 265, and MGMT 260.* This course provides a capstone experience for students pursuing the Leadership minor. In accordance with the College's strategic emphasis on experiential learning, students will apply leadership principles in a variety of real-world settings while under the guidance of an academic advisor. In the course of this experience, they will develop their own personal leadership style and demonstrate leadership action through the initiation or support of an organizational initiative.

G S 360, 361 **WASHINGTON CENTER SEMINARS (2,3)** *Prerequisite: Students in good academic standing with consent of faculty sponsor.* Washington Center seminars provide short-term programs in which participants explore selected topics in depth. Students attend lectures and participate in panel discussions and small group discussions. Past topics have included international relations, business, politics, law, leadership, women's issues, and communication. Evaluation is based on participation, journal entries, and written work. Grades are determined cooperatively by the Washington Center and faculty sponsor. G S 360 involves a seven- to nine-day program granting two credits; G S 361 involves a twelve- to fifteen-day program granting three credits.

G S 377 **STUDY ABROAD (3)** *Prerequisite: Permission of instructor.* This course provides students with foreign study and travel experience. The course develops multiple perspectives, including, but not limited to, cultural, economic, historical, and political.

G S 387 **DOMESTIC STUDY AWAY (3)** Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

G S 397 INDEPENDENT STUDY IN GENERAL STUDIES (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

G S 398 SPECIAL TOPICS IN GENERAL STUDIES (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

G S 399 INTERNSHIP IN GENERAL STUDIES (1-12) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator, supervising faculty, and associate dean prior to registration.* This internship is career-focused and bridges more than one academic discipline. (See "Internships.")

G S 415 SOCIAL ENTREPRENEURSHIP INTERNSHIP (1-6) *Prerequisite: G S 220.* Students will work as interns in the community at non-profit organizations or develop socially responsible initiatives in the community for non-profit organizations. This class will also serve as an opportunity for students to receive credit for developing their own non-profit programming. Many students will have previously observed and interacted with a variety of social entrepreneurs, determined the qualities that are common to them, and explored their own inclinations and capabilities as social entrepreneurs in the prerequisite class.

G S 435W SENIOR SYMPOSIUM [Writing Enriched] (2) *Prerequisites: ENGL 111W-112W, 111-112, or ENGL 223W, and completion of 86 credit hours or more.* This course provides a consideration of major issues affecting mankind in the perspective of total experience. The course has three components: lectures by leaders of thought and opinion (including visiting scholars, public officials, artists, and business and professional people); selections from classical readings; and discussion seminars covering a variety of topics. Students needing an exception to the prerequisites must speak with the Director of Senior Symposium for approval.

GERMAN STUDIES COURSES (GRMN)

All students entering the 102, 201 and 202 language levels will be required to take a placement test. The results of this test will determine the highest level of the language in which a student may enroll: i.e. 0-24 = GRMN 101, 25-40 = GRMN 102, 41-52 = GRMN 201 and 53-56 = GRMN 202. Class level placement is also based upon the successful completion of the prerequisite language course at the college level, earned AP credit or by consent of the instructor.

To waive the general education requirement for GRMN 201, students must score 53 or above and pass an additional evaluation that includes an oral interview and a written component.

Work in the MLRC constitutes part of the elementary and intermediate language courses. It is designed to furnish peer language tutors for review and to teach and test listening comprehension and speaking skills, the components of which are auditory discrimination, auditory memory, pronunciation and fluency.

For students whose native language is not English, the foreign language general education requirement may be waived using the substitution waiver form based on documentation of proficiency in the native language provided to the Department of Modern and Classical Languages. In cases in which students are foreign nationals, documentation of their International Student status from a country where English is not the native language is sufficient for the department to waive the foreign language requirement.

GRMN 101-102 ELEMENTARY GERMAN I, II (3, 3) Study of the fundamentals of German grammar. Emphasis on oral expression. Work in the Modern Language Resource Center (MLRC) constitutes part of the course.

GRMN 201 INTERMEDIATE GERMAN (3) *Prerequisites: GRMN 101-102.* (Each student's level is determined by a placement test administered at the beginning of the course.) This course is a review of grammar and intensive reading and conversational practice with emphasis on speaking German. This course should bring students to the novice high/intermediate low oral proficiency level (ACTFL Guidelines). Work in the Modern Language Resource Center (MLRC) is required.

GRMN 202 **INTERMEDIATE GERMAN II (3)** *Prerequisite: GRMN 201.* This review of grammar and intensive reading and conversational practice is based on selected literary and civilization texts. Work in the Modern Language Resource Center (MLRC) is required.

GRMN 208 **GERMAN LITERATURE IN TRANSLATION (3)** With readings and lectures entirely in English, this course covers German writers from the nineteenth and twentieth centuries. Writers include Heine, Hauptmann, Kafka, Grass, Mann, Brecht, etc.

GRMN 209 **GERMAN FAIRY TALES IN THEIR EUROPEAN CONTEXT (3)** This course will focus on the Grimm brothers' fairy tales, which present a unique lens for students to examine 19th-century German culture and history. In addition, students' analysis of these tales within their broader European (and world) context reveal surprising commonalities within the human experience. Other themes explored within the course include the relationship between storytellers and their intended audiences, the concept of children's literature and its influence upon our understanding of childhood, and the ways in which fairy tales continue to shape us and our perception of the world around us.

GRMN 241 **CONVERSATION AND COMPOSITION (3)** *Prerequisite: GRMN 202.* This course provides intensive practice in oral and written German to develop fluency and correctness of expression. Special emphasis is on vocabulary building and development of style. The course will use a political and historical approach to German cultural topics and include an introduction to German literature and literary criticism.

GRMN 313 **SURVEY OF GERMAN LITERATURE (3)** *Prerequisite: GRMN 241.* This course focuses on readings of original texts in German literature from the nineteenth and twentieth century.

GRMN 377 **STUDY ABROAD (3)** *Prerequisite: Consent of instructor.* This course, offered in a German-speaking country, introduces students to German civilization, culture, and language. It will compare and contrast German traditions with those of other cultures and will enhance global perspectives and awareness of cultural diversity.

GRMN 387 **DOMESTIC STUDY AWAY (3)** Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

GRMN 397 **INDEPENDENT STUDY IN GERMAN (1-3)** *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

GRMN 398 **SPECIAL TOPICS IN GERMAN (1-3) [credit depends on topic]** *Prerequisites: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

HEALTH AND PHYSICAL EDUCATION COURSES (HPE)

HPE 102 **CONCEPTS FOR EXERCISE AND LIFETIME WELLNESS (2)** This course is designed to assist students in establishing the basis for a healthy lifestyle. Emphasis is placed on the possible consequences of lifestyle choices; utilizing technology to become aware of fitness and nutrition; and how to make appropriate choices for positive changes.

HPE 108 **INTRODUCTION TO ADVENTURE ACTIVITIES (1)** This course is an introduction to adventure activities as an experiential approach to developing self-confidence, trust, team building, and open communication. Activities include the low and high elements of the adventure course, climbing on rocks and walls, rappelling, caving, and orienteering.

HPE 109 COOPERATIVE AND COMPETITIVE MOVEMENT CHALLENGES (1) These instruction and problem solving activities involve participation, success, equity, and trust with emphasis on challenges that develop fitness. The purpose of the course is to emphasize success in skill performance, acceptance of other performers' abilities, and cooperation to achieve goals.

HPE 116 THE TEACHING OF TEAM SPORTS (2) This course involves the development of skill, tactics, teaching, and analysis of team sports. Students develop their skills and tactical play to a competent level and acquire the ability to teach, analyze, and assess skilled performance based on a learner's developmental level. Students will demonstrate skill and tactics in authentic environments as well as plan, instruct, and assess learners in these sports. A lab fee is required for upkeep and maintenance of equipment utilized in the course.

HPE 118 THE TEACHING OF INDIVIDUAL SPORTS AND DANCE (2) This course involves the development of skill, tactics, teaching, and analysis of individual sports and dance. Students develop their skills and participate to a competent level and acquire the ability to teach, analyze, and assess skilled performance based on a learner's developmental level. Students will demonstrate skill in authentic environments as well as plan, instruct, and assess learners in an individual sports and dance environment. Course fee.

HPE 119L THE TEACHING OF OUTDOOR PURSUITS AND FITNESS EDUCATION (2) This course involves the development of skill, tactics, teaching, and analysis of outdoor pursuits and fitness education. Students develop their skills and tactical play to a competent level and acquire the ability to teach, analyze, and assess skilled performance based on a learner's developmental level. Students will demonstrate skill and tactics in authentic environments as well as plan, instruct, and assess learners in these endeavors. Course fee.

HPE 120 SCUBA DIVING (1) *Prerequisite: Pass Swim test (200 yards and float/tread water for 10 minutes).* The PADI Open Water Diver course consists of three main phases: knowledge development to understand basic principles of scuba diving, confined water dives to learn basic scuba skills, and open water dives to review your skills and explore. A lab fee of \$425 required of students to cover scuba equipment, transportation, and camping fees.

HPE 125 ROCK CLIMBING AND VERTICAL ROPE WORK (1) This course is designed to provide the student with the skills and experience to enjoy the sport of rock climbing and other vertical endeavors. The focus of the course is on rope work, anchor building, rappelling, and top rope climbing. Classes will be held in the classroom, on the ropes course, on local rock faces, and in local caves.

HPE 126 CHALLENGE COURSE AND ADVENTURE TRAINING (1) This course is an overview of challenge course programming and adventure training. Classes will be taught in the classroom as well as utilizing the low and high elements of the New Horizons Adventure Course. Topics covered include group facilitation, debriefing, problem solving, initiatives, and trust building activities.

HPE 127 BASIC BACKPACKING AND HIKING (2) This course is designed to teach the basic skills and concepts of backpacking and hiking. Topics will include: camping, cooking, fire and stove use, equipment, safety, nutrition, map reading skills, first aid, trail etiquette, campsite selection, pace, tents, packing skills, and hear hand construction. Additional fee is required.

HPE 128 BASIC CANOEING AND KAYAKING (2) This course is designed to teach the basic skills and concepts of flat water canoeing and kayaking. Topics will include individual canoeing and kayaking skills such as: various strokes, safety, portaging, entering and exiting a canoe and kayak safely, map reading skills, interpreting water and weather conditions, and trip planning. Students will be required to participate in off-campus trips to the James River, Smith Mountain Lake, and/or Holiday Lake. An additional fee may be required.

HPE 129 MOUNTAIN BIKING (2) This course is designed to teach the basic skills and concepts of mountain biking. Topics will include group and individual biking skills such as braking, climbing, shifting, and navigating over rough terrain. Other topics will include bike repair and adjustments, basic first aid, safety, map reading, and trip planning. Students will be required to have their own mountain bike and helmet. An additional fee is required.

HPE 141 **ELEMENTARY TENNIS (1)** This course offers instruction and practice in forehand, backhand, serve, and volley with competition in singles and doubles.

HPE 149 **STRENGTH TRAINING (1)** This course provides instruction in principles of conditioning utilizing free weights, body resistance, and weight machines. Individualized programs of flexibility and strength are implemented.

HPE 190 **HATHA YOGA (1)** This course emphasizes Iyengar-style and includes standing poses, forward bends, back bends, and inversions for the beginning student, as well as integration of the breath with asanas (postures).

HPE 191 **CONSCIOUS RELAXATION TECHNIQUES FOR STRESS MANAGEMENT (1)** This course includes the techniques of visualization, slow-motion movement, Benson's relaxation response, and breath management.

HPE 205 **COACHING APPRENTICESHIP (1-6)** *Prerequisite: Consent of the instructor.* This course provides students with an apprenticeship experience in coaching a selected sport with emphasis on observation, leadership, and management of skill development. If more than one HPE 205 is taken it must be applied to experiences with different sports. Only one HPE 205 experience can be done within the University of Lynchburg Intercollegiate Athletic Department.

HPE 258 **FOUNDATIONS OF HEALTH AND PHYSICAL EDUCATION (3)** This course addresses the foundation of health and physical education, including historical, philosophical, and sociological influences on educational practices in the United States. The class will also examine education as an institution in America from a cultural and organizational perspective and address how health and physical education are part of the process.

HPE 265 **PHILOSOPHY OF OUTDOOR EXPERIENTIAL EDUCATION (3)** This course is designed to provide students with the philosophical background of Outdoor Experiential Education. Students will study readings including Plato and John Dewey, but also more current work from Outward Bound and the Association of Experiential Education. Topics will include the roles and responsibilities of the teacher and the instructor, the role of the natural world, confidence building, and the societal impact of experiential learning. Skills include lesson planning and group facilitation.

HPE 266 **OUTDOOR RECREATION LEADERSHIP (3)** This course includes teaching principles and planning, implementing, leading, supervising, and evaluating outdoor recreational programs. Emphasis is given to wilderness leadership techniques and programming. Practical application is gained through planning and implementing a group trip.

HPE 303W **MOTOR DEVELOPMENT [Writing Enriched] (3)** *Prerequisites: BIOL 222/222L, 223/223L, and ENGL 111W-112W or ENGL 223W.* This course describes and analyzes normal motor development across the lifespan, from prenatal development through older adulthood. It emphasizes identifying and classifying motor behaviors across the lifespan, as well as understanding the interaction of environmental and biological factors that affect acquisition of these movement behaviors. Laboratory experiences are included.

HPE 304W **SPORT, EXERCISE, AND PERFORMANCE PSYCHOLOGY [Writing Enriched] (3)** *Prerequisites: ENGL 111W-112W or ENGL 223W.* This course explores psychological and social processes in sport, exercise, and physical activity. The course will examine both how psychological and social factors influence physical activity participation and performance, and how participating in exercise/physical activity affects psychological well-being. The course will explore theoretical, methodological, and applied approaches to a variety of topics including motivational and behavioral strategies, stress and coping, self-perceptions, social relationships, communication, performance enhancement, and exercise adherence.

HPE 310 **PK-5 PHYSICAL EDUCATION METHODS PRACTICUM (4)** *Prerequisite: HPE 303.* This course is designed to develop the knowledge and practical experience necessary to help individuals, grades K-5, achieve optimum growth and potential. The concepts of motor development, skills acquisitions, psycho-social development, and pedagogy will be linked to the curricular areas of skill themes, gymnastics, dance, games, and physical fitness. Observation and experience in the application of instructional theories to the teaching of movement are implemented during field practicum. This course requires a

mandatory approved background check conducted at the end of the fall semester prior to enrollment in the course at the student's expense.

HPE 320 **6-12 PHYSICAL EDUCATION METHODS PRACTICUM (4)** *Prerequisites: HPE 310, approved background check, and admission to teacher preparatory program.* This course provides fundamental concepts and methods of inquiry associated with the middle and high school curriculum in fitness, dance, gymnastics, and sports. Some observation and experience in the application of instructional theories to the teaching of movement are implemented in on-site clinical experiences.

HPE 335 **COMPREHENSIVE SCHOOL HEALTH PRACTICUM (4)** *Prerequisites: HPE 102, H P 270, and admission to teacher preparatory program.* The focus of this course is curriculum development and instruction in school health education. It includes health concerns of school-age populations, curriculum resources, and unit and lesson plan development.

HPE 361 **THE MEASUREMENT OF PERFORMANCE IN HEALTH AND PHYSICAL EDUCATION (3)** *Prerequisites: MATH 103, 105, 106, or STAT 222.* This course focuses on analyzing performance from quantitative and qualitative perspectives and the proper use of various instruments in health and movement.

HPE 362 **HEALTH AND PHYSICAL EDUCATION FOR EXCEPTIONAL POPULATIONS (3)** *Prerequisites: Approved background check and admission to teacher preparatory program.* This course surveys individualization of instruction for persons with challenging conditions and provides on-site clinical experiences with special populations. This course requires a mandatory Criminal and Social Services background check conducted at the end of the prior semester at the student's expense.

HPE 387 **DOMESTIC STUDY AWAY (3)** Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

HPE 397 **INDEPENDENT STUDY IN HEALTH AND PHYSICAL EDUCATION (1-3)** *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

HPE 398 **SPECIAL TOPICS IN HEALTH AND PHYSICAL EDUCATION (1-3) [credit depends on topic]** *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

HPE 401 **INTRODUCTION TO DRIVER EDUCATION (3)** The content organization of the vehicle operator's tasks as presented in an instructional program. Included are defensive driving, psycho-physical factors and the effects of natural and traffic laws on the vehicle operator.

HPE 402 **DRIVERS EDUCATION INSTRUCTIONAL PRINCIPLES (3)** *Prerequisite: HPE 401 for driver education endorsement.* A lab course for practice of instructor's tasks for teaching drivers education to the beginning driver. Included are classroom, in-car and multiple instructional tasks.

HPE 415 **INTERNSHIP IN HEALTH AND PHYSICAL EDUCATION (1-12)** *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator and supervising faculty prior to registration.* This course offers a professional internship with an appropriate health fitness organization/program. The student and faculty sponsor will agree on the location and responsibilities of the intern. The number of credits will depend on the nature of the project and the number of hours involved in the project. (See "Internships.")

HPE 467 **STUDENT TEACHING IN HEALTH AND PHYSICAL EDUCATION K-12 (11)** *Prerequisite: Admission to Student Teaching; corequisite EDUC 448.* This supervised full-time, one semester field experience in K-12 culminates in full responsibility for teaching health and physical education

under the direction of a cooperating teacher and College supervisor. All students will have placements in both elementary and secondary programs. This course requires a mandatory Criminal and Social Services background check conducted at the end of the prior semester at the student's expense.

HEALTH PROMOTION COURSES (H P)

H P 102 LIFE CHOICES FOR HEALTH AND WELLNESS (2) This course explores the various factors influencing health. Students differentiate between healthy behaviors and those which place individuals at risk; investigate resources for health information; and become knowledgeable about and practice lifestyle health management skills.

H P 210 HEALTH DISPARITIES, EQUITY, AND ADVOCACY (3) This course provides opportunities for students to build knowledge and skills in the competencies of health disparities, diversity, inclusion, equity and advocacy. Students will examine cultural competence and cultural humility necessary for effective professional practice and interactions with diverse individuals, organizations and communities. Emphasis is placed on solutions and strategies related to improving the health of individuals and communities.

H P 221W GLOBAL HEALTH [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W.* This course will provide students with an overview of the multiple factors that affect health on a global scale, and will equip students to meet the health needs of individuals in a multitude of cultural settings. Students will also be introduced to ethical and human rights concerns as they relate to global health.

H P 239 DIMENSIONS OF HEALTH AND WELLNESS (3) This course surveys historical and philosophical perspectives of health issues including the identification of individual responsibility for the development of attitudes and patterns of health behavior.

H P 270 NUTRITION (3) This course is a study of the science of food, its use within the body, and its relationship to a positive concept of good health.

H P 271 FOUNDATIONS OF HEALTH PROMOTION (3) This course examines foundations of the profession and the concepts and principles underlying the use of educational strategies to promote health in school, worksite, health care, or community settings. Identification of theoretical frameworks from behavioral and social sciences and their relationship to designing health education programs are discussed.

H P 275 MEDICAL TERMINOLOGY (3) This course will familiarize students entering the public health fields with fundamental medical terms, medical instrumentation, and medical exams used for a diagnosis, while also providing essential spelling and grammatical skills for the medical workplace.

H P 290 SPIRITUALITY AND HEALTH (3) Spiritual health is one of the six dimensions of wellness and is a vital component in the development and maintenance of overall health and well-being. Spiritual health can be defined as the experience of connection to self, others, and the community at large, providing a sense of purpose and meaning. The course is an exploration of current knowledge about the intersection of human spirituality and health. It is intended for health promotion and other health professionals and endeavors to address such questions as, What is spirituality? What is health? How are they related and how is spirituality currently being integrated into primary health care?

H P 292 PSYCHOSOCIAL HEALTH (3) This course emphasizes connections between the mind and the body by focusing on the impact that attitudes, perceptions, emotions, relationships, and social support have on a person's overall health.

H P 300 DRUGS AND BEHAVIOR MANAGEMENT (3) *Prerequisites: BIOL 222/222L, 223/223L.* This course surveys addictive substances and the causes of addictive behavior, theories of prevention, and treatment.

H P 322 HEALTH ASPECTS OF AGING (3) This course studies the biological, epidemiological, and social aspects of an aging population and the relationship to health and health care.

H P 325 HUMAN DISEASES (3) *Prerequisites: BIOL 222/222L, 223/223L, H P 239.* This course is a study of communicable and chronic diseases with regard to disease description, etiology, signs and symptoms, diagnostic procedures, treatment, prognosis, and prevention.

H P 340 WOMEN'S HEALTH ISSUES (3) Much of previous health research has focused on health-related issues solely as they relate to the male population. This course will explore current health research, which has taken a more intentional look at health-related issues as they relate to the female population. The course will look at women's health issues, with particular attention to their relevance for health promotion and education. Topics covered will focus on several dimensions of wellness, including the physical, mental, emotional, and spiritual and include: gender bias in health research; leading causes of death for women; body image and the media; eating disorders; depression; stress from multiple roles; violence and abuse; nutrition for pregnancy & breastfeeding; exercise and pregnancy; alcoholism among women; alcohol use and pregnancy; impact of tobacco, caffeine, and illegal drug use on women and on pregnancy; complications of sexually transmitted infections in women; cardiovascular disease as the leading cause of death among women; osteoporosis among women; pregnancy and asthma, epilepsy, lupus, and multiple sclerosis; cancers of the lung, breast, cervix, uterus, ovaries, skin, colon, and rectum.

H P 371W RESEARCH IN HEALTH PROMOTION [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W, H P 239, STAT 222.* This course is intended to prepare students pursuing careers in health science fields (health education, public health, allied health, and medical professions) to be proficient in the practical aspects of health science research with a basis in theory. Basic principles of research will be examined with emphasis on study design, data collection, and basic statistical analysis of research data.

H P 372 CONTEMPORARY HEALTH ISSUES (3) This course is directed toward current health problems and concerns and includes such topics as disease, fitness, environmental health, global health, consumer health, and drug therapies.

H P 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

H P 397 INDEPENDENT STUDY IN HEALTH PROMOTION (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor, and credit is dependent on the nature of the work. May be repeated for no more than six credits.

H P 398 SPECIAL TOPICS IN HEALTH PROMOTION (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

H P 415 INTERNSHIP IN HEALTH PROMOTION (6-12) *Prerequisites: H P 271, 325, 420; senior status with a minimum 2.25 QPA; approval of written proposal by health promotion department chair prior to registration.* This course offers a professional internship with an appropriate public health/clinical site. The student and internship coordinator will agree on the location and responsibilities of the intern. The number of credits will depend upon the nature of the project and the number of hours involved in the project. (See "Internships.")

H P 420W HEALTH PROGRAM PLANNING [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W, H P 239, 271, 371, 372.* This course prepares students to plan, develop, implement, and evaluate health education programs for a variety of settings, including community and worksite.

HISTORY COURSES (HIST)

HIST 101-102 HISTORY OF CIVILIZATION I, II (3,3) This is the basic course sequence in history designed to provide the student with a knowledge of world cultures and an introduction to the nature of historical thinking. A two-semester sequence, the first semester encompasses the period from prehistory to about 1600 C.E., the second from 1600 to the present.

HIST 200W THE HISTORIAN'S CRAFT [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W, HIST 101-102.* An introduction to historical methods and writing, this course exposes students to ways in which historians think and assists students in developing research topics, conducting original research, and presenting the results in the form of papers and reports. Normally taken in the sophomore year, it is required of all history majors and is open to any student interested in the historical perspective.

HIST 203 CRIME AND PUNISHMENT IN AMERICA (3) *Prerequisites: HIST 101-102.* The course is an overview of changing attitudes concerning legal and extralegal issues in crime and law enforcement in America. Among the issues it will address are the roles of race, gender, religion, ethnic origin, and sexuality in the interplay of cultural and legal perceptions in defining, policing, and punishing crimes. It may include such topics as punishment of chattel slaves and penal servitude in the eighteenth and nineteenth centuries, the use of chain gangs and prison farms in the nineteenth and twentieth centuries, rise of the ethnic gangs in the nineteenth and twentieth centuries, the use of civil disobedience in the 20th and 21st centuries, and the rise of anarchism and terrorism in the nineteenth and twentieth centuries.

HIST 204 HISTORY ON FILM (3) This course is a history of the medium of film and an exploration of how film represent historical subjects. Students will be asked to re-conceptualize the boundaries between media and history and understand how film can be both a source for historians to interpret the past and a window into the culture of the filmmaker and the intended audience. This course will not cover the art of film and the technical aspects of filmmaking, but rather, the different ways film and history inform one another.

HIST 243 CONTEMPORARY AFRICA (3) *Prerequisites: HIST 101-102.* This introduction to Africa from an interdisciplinary perspective includes geography, history, social structure, political development, and culture. Themes include the impact of colonialism and African nationalism, the role of women in society, the quest for social justice, leadership, and politics since independence, and the role of Africa in world affairs.

HIST 255 AMERICA TO 1877 (3) *Prerequisites: HIST 101-102.* This course deals with the founding American colonies, their growth, and eventual break with England that led to the establishment of the republic. Subsequent topics include Federalism, Jacksonian Democracy, Slavery and Sectionalism, the Civil War, and Reconstruction.

HIST 256 AMERICA SINCE 1877 (3) *Prerequisites: HIST 101-102.* This course examines the changes that have redefined American life since the 1870s. Special attention is given to the impact of industrialization and urban development, and the emergence of the United States as an international power. Issues of gender, race, class, and family are explored through class discussion, role plays, and debates. Special attention is given to local manifestations of larger historical developments such as war, politics, and social change.

HIST 265 INTRODUCTION TO ARCHAEOLOGY (3) This course is an introduction to the methods, theories, and history of the discipline of archaeology. It presents a variety of approaches and techniques used by archaeologists to analyze the material remains of human activities in order to understand human behavior, culture, and history. Archaeological case studies will range widely and examples will be taken from anthropological, classical, and historical studies in archaeology from around the globe. These examples will span from the earliest hunter-gatherers, to classical civilizations, and to the birth of the modern world.

HIST 275 LATIN AMERICAN HISTORY (3) *Prerequisites: HIST 101-102.* This course examines the history of the Spanish- and Portuguese-speaking countries of Latin America from the colonial period to present-day, with a brief overview of pre-Columbian civilizations. Major themes will include the Iberian legacy, the role of the Catholic Church, cultural development, social and political evolution, and changing economic contexts. Modern issues to be examined include social hierarchies, revolutionary movements, periods of dictatorship, and the history of democratic change in the region.

HIST 301 RISE OF THE AMERICAN CITY (3) *Prerequisites: HIST 101-102.* This course examines the changes in the functions of the city in American society and the transformation of urban life from the colonial period to the present. Topics include America's evolution from an agricultural to an urban society, the impact of industrial and transportation technologies as well as migration on the city, and the redefinition of urban politics.

- HIST 305** **ENGLAND TO 1485 (3)** *Prerequisites: HIST 101-102.* This course traces the development of England as a state from the Roman invasions through the Middle Ages to the early modern period, including the origins of Parliament and the Common Law, the Hundred Years War, and the War of the Roses.
- HIST 306** **GREAT BRITAIN SINCE 1714 (3)** *Prerequisites: HIST 101-102.* This course covers the creation of the British Empire and its evolution into the British Commonwealth through revolutions, colonial crises, and two world wars.
- HIST 311** **MEDIEVAL CULTURE (3)** *Prerequisites: HIST 101-102.* This course covers the breakup of the Roman Empire, development of feudal institutions, growth of the Church, rise of towns, the development of commerce, political theory, art, music, and literature.
- HIST 312** **RENAISSANCE AND REFORMATION (3)** *Prerequisites: HIST 101-102.* This course presents the flowering of art, literature, music, and science; the emergence of the sovereign state; and the religious crisis of the sixteenth century.
- HIST 322** **EUROPE SINCE 1914 (3)** *Prerequisites: HIST 101-102.* In this course the diplomatic approach is utilized with emphasis on the interaction of the major European nations (and the United States after World War II) as they deal with the realignment of power after World War I, the rise of Nazism, the expansion of Communism into Eastern Europe after World War II, the emergence of the European Union, and the fall of the Berlin Wall.
- HIST 323** **GREEK CIVILIZATION (3)** *Prerequisites: HIST 101-102.* This consideration of all phases of Greek achievement places special attention on intellectual and artistic accomplishments and Greek historical writing.
- HIST 324** **ROMAN CIVILIZATION (3)** *Prerequisites: HIST 101-102.* This course is a survey of Rome's political, social, economic, and cultural history as a background for our culture today.
- HIST 330** **MILITARY HISTORY (3)** *Prerequisites: HIST 101-102.* This course is a survey of the military in American and European history from the seventeenth century to the present.
- HIST 333** **THE CIVIL WAR AND RECONSTRUCTION (3)** *Prerequisites: HIST 101-102.* This course examines the period 1850-1877 including the causes and consequences of the war, the major battles, the changes in political parties, and the attempt to provide constitutional protection for the freedmen.
- HIST 336** **AMERICAN SOCIAL HISTORY (3)** *Prerequisites: HIST 101-102.* This course is an examination of the experience of Americans in such social contexts as gender roles, family, work, and leisure from the Colonial period to the present. The impact of historical factors on American attitudes and lifestyles are of particular interest.
- HIST 339** **ATLANTIC WORLD IN THE SEVENTEENTH CENTURY (3)** *Prerequisites: HIST 101-102.* This course is a study of the initial development of Atlantic civilization from the first contacts between Europeans and indigenous peoples in the Americas and sub-Saharan Africa, to the establishment of permanent Portuguese, Spanish, English, French, and Dutch settlements in the above-mentioned areas, ending ca. 1701.
- HIST 340** **ATLANTIC WORLD IN THE EIGHTEENTH CENTURY (3)** *Prerequisites: HIST 101-102.* This course traces the evolution of Atlantic civilization from the establishment of European empires and the exploitation of Africa and the Americas, to the wave of revolutions that swept these regions between 1776 and 1830.
- HIST 341** **AGE OF COURTS AND KINGS (3)** *Prerequisites: HIST 101-102.* This course is a survey of modern Europe from the death of Philip II of Spain in 1598 to the fall of the ancient regime in France in 1789 with particular emphasis on the expansion of European civilization and its transformation by the scientific and intellectual revolutions.
- HIST 342** **FROM REVOLUTION TO ARMAGEDDON (3)** *Prerequisites: HIST 101-102.* This course focuses on the emergence of a new Europe during the French Revolution and its steady progress until the tragedy of World War I.

HIST 343 SOUTH AFRICAN HISTORY (3) *Prerequisites: HIST 101-102.* This course focuses on the social, political, cultural, and economic life of contemporary South Africa and its changing role in the world, all set in the context of its history and character as a ‘Rainbow Nation.’ Students will consider South Africa’s prospects for establishing a multiracial democracy while facing a host of social and economic challenges: unemployment, crime and violence, and an HIV/AIDS epidemic that threatens social cohesion.

HIST 344 HISTORY OF WOMEN IN THE AMERICAS (3) *Prerequisites: HIST 101-102.* The course will use the lives of women to understand the shared American experience, as well as to determine which factors make each region of the Americas unique. Students will explore the historical forces that created “the Americas,” focusing on the commonalities and differences of the North American and Latin American regional histories. Students will look at transnational movements such as the abolitionism and feminism as well as Latin American responses to the United States and its policies.

HIST 345 TUDOR ENGLAND (3) *Prerequisites: HIST 101-102.* This course is a study of the evolution of English institutions and culture from the time of national renewal under Henry VII to the glorious reign of Elizabeth I.

HIST 346 THE STUART CENTURY (3) *Prerequisites: HIST 101-102.* A survey of England from the accession of James I to the death of Queen Anne with an emphasis on the birth of the British Empire, the Civil Wars, the Restoration, the Revolution of 1688, and the emergence of political parties.

HIST 347W SLAVERY AND RACE IN THE EARLY AMERICAS [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W, HIST 101-102.* An examination of the roles slavery and emerging European understandings about racial difference played in the social, cultural, and political development of settler societies in the Americas. By studying the economic structures, cultural interactions, and moral quandaries created by the African slave trade, the course will lead to a fuller appreciation of the culturally embedded and historically constructed intertwining of economics, ideas, race, and identities in the early Americas.

HIST 348 RACISM AND EMPIRE IN THE AMERICAN CONTEXT (3) *Prerequisites: HIST 101-102.* The continuation of HIST 347 Slavery and Race in the Early Americas, this course examines the practice of modern racism and imperialism in the Americas during the nineteenth and twentieth centuries. The course investigates how conceptions of race and national identity influenced the European and American pursuit of empire during the era of “new imperialism”. Topics covered include racism in America after the Civil War, eugenics and “scientific” racism, anti-semitism, and American and European involvement in Latin America and Asia.

HIST 349 PUBLIC HISTORY (3) *Prerequisites: HIST 101-102.* Public History is history that is seen, heard, read, and interpreted by a popular audience. Public historians expand on the methods of academic history by emphasizing non-traditional evidence and presentation formats, reframing questions, and in the process creating a distinctive historical practice. This class introduces the student to the methodology and practical applications in the field.

HIST 353 THE HOLOCAUST (3) *Prerequisites: HIST 101-102.* This course introduces students to Nazi Germany’s systematic mass murder of Jews in Europe during the Second World War. Topics to be covered in this course include Jewish life in Europe prior to the 20th century, the origins of racial anti-Semitism, the development of National Socialist ideologies, the origins of Nazi racial policies in the 1930s, Nazi eugenics and euthanasia campaigns, the war of annihilation waged against Jews under Germany’s control during World War II, the mass murders of other groups during the war, Jewish resistance to the Holocaust, and the help or lack thereof offered by non-Jews to mitigate the Holocaust.

HIST 370 THE U.S. AND THE WORLD (3) *Prerequisites: HIST 101-102.* This course traces the history of American foreign relations from the Revolutionary period to the present within the context of national development and world politics.

HIST 375 HISTORY OF LOVE AND SEX IN LATIN AMERICA (3) *Prerequisites: HIST 101-102.* This course will examine the historical forces that affect the role definitions, institutions, and behaviors related to gender relationships, love and courtship, the formation of families (formally through marriage or informally through cohabitation), and sexual expression in Latin America from the 1870s to the present. Students will also examine the intersections of gender with class and race to demonstrate how society has used these social constructions to create and reinforce hegemony.

HIST 377 **STUDY ABROAD (3)** *Prerequisites: HIST 101-102.* Through travel to another country, this course provides the student the opportunity to study the historical, political, economic, social, and cultural development of that country and compare it with the development of the United States.

HIST 379 **HISTORY AND POLITICS OF THE MIDDLE EAST (3)** *Prerequisite: HIST 101 or 102.* This course is a survey of the Middle East from the birth of Islam in the seventh century to the present, although most of the course focuses on the modern era. Through an exploration emphasizing the growth and decline of the Ottoman Empire, this course analyzes Islamic ideas and institutions as the foundations for state and social organizations, cultural patterns of continuity and change, the origins and record of Great Power involvement in the region, the rise of Arab and other nationalist movements, the emergence of successor states in the nineteenth and twentieth centuries, the Arab-Israeli conflict, relations between states in the Middle East and the United States, and the wave of uncertain change sparked by the “Arab Spring.”

HIST 380 **AMERICA IN THE 1960s (3)** *Prerequisites: HIST 101-102.* This course addresses some of the problems, potentials, and legacies of the 1960s by sampling the opinions of historians and contemporary observers about such issues as the women’s movement, the civil rights movement, the Kennedy and Johnson presidencies, the counter culture, New Left, and Vietnam.

HIST 387 **DOMESTIC STUDY AWAY (3)** Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

HIST 397 **INDEPENDENT STUDY IN HISTORY (1-3)** *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

HIST 398 **SPECIAL TOPICS IN HISTORY (1-3) [credit depends on topic]** *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

HIST 399 **INTERNSHIP IN HISTORY (1-6)** *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator and supervising faculty prior to registration.* An internship is a planned work experience for academic credit under the supervision of a qualified professional who is responsible for professional performance and a faculty sponsor who is responsible for academic quality and who assigns the final grade. (See “Internships.”)

HIST 402W **HISTORY SENIOR THESIS SEMINAR [Writing Enriched] (3)** *Prerequisites: ENGL 111W-112W or ENGL 223W, HIST 200, and senior standing.* Students will write a thesis based on primary sources and relevant secondary material on a topic of their own choosing. The instructor will consult with students during each phase of the research process and evaluate the progress of the thesis throughout the semester.

HONORS COURSES (HONR)

HONR 100 **FRESHMAN SEMINAR: THE HONORS EXPERIENCE (1)** This course prepares students for the honors experience by providing them with essential skills needed to function effectively as members of a living and learning community.

HONR 103W **ADVANCED ENGLISH COMPOSITION [Writing Enriched] (3)** *Corequisites or prerequisites: ENGL 111W-112W or ENGL 223W.* This course emphasizes the process of writing in which students produce a range of expository essays. Students’ writing and reading skills are refined through the close analysis of selected texts and careful editing of student writing.

HONR 111-112W HUMANITIES SEMINAR I, II [Writing Enriched] (3,3) *Prerequisites: ENGL 111W-112W or ENGL 223W for HONR 112W.* These seminars explore topics in Western civilization from an essentially historical perspective including consideration of questions relating to political stability, war and revolution, economic development, social conditions, and significant ideas and movements in the arts, sciences, philosophy, and religion. First semester generally comprises studies from the ancient Near East, Greece, and Rome through the Middle Ages and the Renaissance. Second semester treats topics from the Age of Discovery and the Reformation through the French Revolution and Napoleonic Wars, the Industrial Revolution, and the twentieth century.

HONR 121 MATHEMATICS SEMINAR (3) This overview of the fundamentals of mathematics includes selected topics such as symbolic logic, elementary set theory, theory of numbers, inductive and deductive reasoning, analysis of algorithms, geometry, probability, calculus, and mathematical foundations of computer science.

HONR 131 SOCIAL SCIENCE SEMINAR (3) This course is an inter-disciplinary analysis of economic, political, and social issues including issues related to methods of social research.

HONR 211W HUMANITIES SEMINAR [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W.* This course is a comparative study of selected texts from world literature that provides students with multiple perspectives on significant human issues.

HONR 212W HUMANITIES SEMINAR [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W.* This seminar examines major schools of philosophy and/or major religious traditions with discussion of varied specific topics within these disciplines.

HONR 221 FINE ARTS SEMINAR (3) This seminar provides interdisciplinary inquiry into the processes of imagination and artistic creation, relationships among the visual and performing arts, and the social and cultural values of the fine arts.

HONR 341, 342, 343, 344, 345, 346 HONORS COLLOQUIUM (3) Thematic colloquia are organized around artistic, philosophical, scientific, and other issues in areas such as war and peace, tyranny and freedom, poverty and wealth, and faith and morals. Recent colloquia include “The Film Maker as Philosopher,” “The Challenge of Economic Change After Communism,” “Probability and Reality,” and “Re-thinking American Literature.”

HONR 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

HONR 397 INDEPENDENT STUDY IN HONORS (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

HONR 398 SPECIAL TOPICS IN HONORS (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

HONR 435-436 HONORS SYMPOSIUM (1,1) *Corequisite: G S 435W.* Students in Honors Symposium enroll in the regular Senior Symposium (GS 435W) and attend the lectures and a discussion section with the other students in that class. They then meet separately for an additional hour of discussion.

HONR 451W-452 SENIOR HONORS PROJECT [Writing Enriched] (3,3) *Prerequisites: ENGL 111W-112W or ENGL 223W for HONR 451W.* An approved project must be developed with a faculty advisor and evaluated with the aid of a three-person faculty committee that includes the advisor and an instructor from outside the project's discipline. Each project must meet the guidelines of the Westover Program's “Policy on

the Senior Honors Project.” All students must complete a minimum of three hours of Senior Honors Project. Students are encouraged to pursue a project in their major discipline, although interdisciplinary projects are acceptable if approved by the advisor. Enrollment in the senior honors project for six hours credit ordinarily requires one project of appropriate depth to necessitate a full year of attention or two individual projects credited at three hours each.

HUMAN SERVICES COURSES (HMSV)

HMSV 201 INTRODUCTION TO HUMAN SERVICES (3) With interdisciplinary roots and global reach, the core of the human services discipline is the respect for, awareness of, and action toward meeting human need. In this introductory course, students will focus on four themes: (1) The ethical principles and historical foundations of human services; (2) contemporary service settings in human services; (3) vulnerable populations with whom human services professional work; and (4) the underpinnings of the generalist human services perspective. Students will write, speak, and think critically about key issues related to human rights, social justice, human need, and professional helping.

HMSV 210 DOMESTIC VIOLENCE: INTERVENTIONS AND ADVOCACY (3) This course will survey theories, interventions, and advocacy topics regarding the causation of domestic violence, the history of domestic violence in contemporary United States, and the policy issues on the local, state, and national levels. Specific topics addressed in this course include: Defining domestic violence, assessing lethality, power and control, effects on children, religion and domestic violence, same sex partners, laws and programs, specialized interventions, advocacy approaches, and safety planning. This course is designed to empower future human services practitioners with the conceptual frameworks and knowledge base necessary for effective intervention and advocacy.

HMSV 220 WORKING WITH GROUPS AND COMMUNITIES (3) This course provides an opportunity for students to explore the topics of group work and community work. The course strongly emphasizes understanding, affirming, and respecting groups with diverse background, including (but not limited to) race, ethnicity, culture, class, gender, sexual orientation, religion, physical or mental ability, age, and national origin. Content is taught utilizing empirically-based theories, interventions, and advocacy approaches that maximize client goals in groups and communities. Students consider their roles as emerging leaders and practitioners in the human services field.

HMSV 268 SOCIAL WELFARE POLICY (3) The focus of this course is on introducing students to the history of social welfare policy in the United States, and engaging students in critical thinking around the impact of past and current policies on the welfare of individuals in urban and rural communities with whom human service professionals interact.

HMSV 285 RESEARCH WITH DIVERSE POPULATIONS: COMMUNITY-BASED PARTICIPATORY ACTION RESEARCH (3) *Prerequisite: Permission of instructor or HMSV 201.* This course provides students with an introduction to the human services action research foundations and framework toward the goal of developing an action research proposal in which qualitative and quantitative methodological and analysis techniques are utilized to address an area of practice, policy, or other pertinent topic in human services that relates to a theme of diversity, cultural competence, international populations, vulnerable populations, and/or underrepresented or overrepresented populations in the human services sector

HMSV 320 MENTAL HEALTH, SUBSTANCE ABUSE, AND CHILD WELFARE: HUMAN SERVICES CASE MANAGEMENT (3) *Prerequisites: HMSV 201.* In this course, students will be exposed to the processes and procedures involved with the many career fields in which human services professionals work with a focus on client populations who interact with human services mental health, substance abuse, and child welfare services. Students will learn to apply these processes and procedures to develop the skills necessary to develop culturally competent models of professional practice and be effective and ethical case managers, program managers, advocates, and supervisors.

HMSV 375 EVIDENCE-BASED PRACTICE AND EVALUATION (3) *Prerequisites: Permission of instructor and understanding of basic research methodology.* Using professional practice and program evaluation as a framework for enhancing students' knowledge and skills in social science research, this course focuses on the art and science of conducting rigorous and ethical qualitative, quantitative, and mixed-methods studies. Students will focus on the evaluation research process, the conducting evaluation

research, evaluating and analyzing evidence-based practice, and the collection and analysis of data in human services settings.

HMSV 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

HMSV 396 HUMAN SERVICES PRACTICUM (3, 6) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator, supervising faculty, and school dean prior to registration.* This course provides students in the Human Services program with a supervised practicum experience in a setting consistent with the student's professional area of interest. Examples of practicum settings include, but are not limited to, social services departments; primary and secondary schools; higher education student affairs departments; human service agencies and organizations; community organizing coalitions; grass roots organizations; mental health, substance abuse, and crisis intervention service settings; and hospital organizations. Practicum experiences are developed by the student with assistance from the human services faculty and/or the practicum coordinator. Practicum experiences are intended for students completing the Human Services minor.

HMSV 397 INDEPENDENT STUDY IN HUMAN SERVICES (1-3) *Prerequisites: Approval of faculty sponsor, coordinator of human services program, and school dean; and junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six (6) credits.

HMSV 398 SPECIAL TOPICS IN HUMAN SERVICES (1-3) *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her enrollment.

HMSV 399 INTERNSHIP IN HUMAN SERVICES (1-12) *Prerequisite: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator, supervising faculty, and school dean prior to registration.* This course provides the student with a supervised work experience in a setting in which human services is applied. Examples of internship settings include, but are not limited to, human and social service agencies, government organizations, non-profit agencies, hospitals, and case management/behavioral health companies. Internships are developed by the student with assistance from the human services faculty and/or the internship coordinator. Human services internships are intended for students to use as an elective course; and for students seeking supervision from human services faculty for an internship in their major (completion and approval of required paperwork for substitution courses would be required).

HMSV 400 HUMAN SERVICES PROFESSIONAL DEVELOPMENT SEMINAR (1) *Prerequisite: Senior standing.* In this course students will explore how previous course work, experiential learning opportunities, and personal learning styles aid in the development of their professional identity. Areas of focus include professional ethics; resilience, burnout, and self-care among human services professionals; graduate study in human services fields; and life-long learning and career planning in human services.

INFORMATION TECHNOLOGY COURSES (I T)

I T 101 I T FUNDAMENTALS (3) This course introduces students to the academic discipline of IT as well as the general meaning of IT.

I T 132 PROGRAMMING FUNDAMENTALS FOR I T (4) *Prerequisite: C S 131 or prior programming experience.* This course introduces students to the basics of programming. Includes data structures, programming constructs, algorithms and problem-solving, object-oriented and event-driven programming, and recursion.

I T 201 SYSTEM ADMINISTRATION AND MAINTENANCE (3) *Prerequisite: I T 132 or C S 141.* This course introduces students to system administration and maintenance as well as platform

technologies. Includes operating systems, applications, administrative activities and domains, computer architecture and organization, and computing infrastructures.

IT 225 FUNDAMENTALS OF HUMAN COMPUTER INTERACTION (3) *Prerequisite: IT 132 or CS 141.* This course introduces students to HCI. Includes human factors, HCI aspects of application domains, human-centered evaluation, developing effective interfaces, accessibility, emerging technologies, human-centered software development

IT 331 INTEGRATIVE PROGRAMMING (3) *Prerequisites: CS 370, IT 101, and 132.* The course introduces students to integrative programming. Includes intersystem communication, data mapping and exchange, integrative coding, scripting techniques, software security, and an overview of programming languages.

IT 332 SYSTEM INTEGRATION AND ARCHITECTURE (3) *Prerequisite: IT 331.* Students are introduced to system integration and architecture. Includes requirements analysis, acquisition, sourcing, integration, project management, testing and quality assurance, organizational context and architecture.

IT 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

IT 390 INFORMATION ASSURANCE AND SECURITY I (3) *Prerequisites: CS 370 and CS 385.* This course introduces students to IAS. Includes fundamental aspects, security mechanism, operational issues, policy, attacks, security domains, forensics, information states, security services, threat analysis and vulnerabilities.

IT 391 INFORMATION ASSURANCE AND SECURITY II (3) *Prerequisite: IT 390.* This course provides a follow-up to IT 390. It includes advanced outcomes from IAS.

IT 451 IT CAPSTONE (3) *Prerequisite: IT 332.* The IT senior project including project proposal, feasibility studies, intellectual property, teamwork, budgets, schedule management, professional communications (reports and presentations), design implementation, testing.

INTERNATIONAL RELATIONS COURSES (INTL)

INTL 101 GLOBAL POLITICS (3) This course is an introduction to the study of interstate relations in the post-Cold War era. Emphasis is on global policy making with respect to issues of global concern. Special attention is paid to global environmental issues, human rights, globalization of the international economy, and the promotion of global peace and security.

INTL 213 WORLD REGIONAL GEOGRAPHY (3) This course is a study of the earth in terms of the cultural, environmental, historic, economic, and organizational qualities of its human inhabitants.

INTL 270 INTERNATIONAL RELATIONS THEORY (3) *Prerequisite: INTL 101, POLI 111, or 112.* This course analyzes the politics among nation-states with particular attention to the political, military, technological, and economic forces at work shaping the post-Cold War world. Students also explore theories of international conflict and cooperation.

INTL 280 SECURITY STUDIES IN A GLOBAL CONTEXT (3) *Prerequisite: CRIM 241, INTL 101, POLI 111, or 112.* This course will focus on readings and practical application of theories in the study of security policy and security theory. It will also explore the structure of the global security complex with an idea towards exposing students to real-life implementation of theory. The class will use case studies in Security, as well as lectures either in class or via Skype from practitioners in the field. Students will work in groups on a real life case, coming up with a policy proposal white paper.

INTL 290 INTRODUCTION TO INTERNATIONAL POLITICAL ECONOMY (3) *Prerequisite: INTL 101.* This course explores the interaction between politics (the state) and economics (business). It will explore topics such as globalization, development, fiscal policy and trade policy, among others, using current events to illustrate theory.

INTL 321W RESEARCH METHODS IN INTERNATIONAL RELATIONS [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W, INTL 101, 213.* This course provides an introduction to research methods and writing in international relations, covering such concepts as hypothesis, research designs, and techniques of qualitative and quantitative data analysis.

INTL 377 STUDY ABROAD (1-6) *Prerequisite: Consent of the instructor.* This course provides students with the opportunity to study principles of international relations in foreign settings.

INTL 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

INTL 397 INDEPENDENT STUDY IN INTERNATIONAL RELATIONS (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

INTL 398 SPECIAL TOPICS IN INTERNATIONAL RELATIONS (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

INTL 399 INTERNSHIP IN INTERNATIONAL RELATIONS (1-6) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator and supervising faculty prior to registration.* Internships in international relations may be arranged with the U.S. Department of State (either in Washington, D.C. or at a U.S. embassy abroad), with other U.S. Government agencies having an international orientation, certain types of Congressional positions having a foreign policy connection, international agencies (governmental or private), and businesses with significant international operations. (See "Internships.")

INTL 400W SENIOR THESIS IN INTERNATIONAL RELATIONS [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W and INTL 321.* The senior thesis is designed to be a capstone course in which the student, working under the supervision of an international relations faculty member, designs and executes a research program in some aspect of international relations. The course culminates with the writing and presentation of a formal research paper.

LATIN COURSES (LATN)

All students entering the 102, 201 and 202 language levels will be required to take a placement test. The results of this test will determine the highest level of the language in which a student may enroll: i.e. 0-49 = LATN 101, 50-79 = LATN 102, 80-100 = LATN 201. Class level placement is also based upon the successful completion of the prerequisite language course at the college level, earned AP credit or by consent of the instructor.

To receive a waiver from LATN 201, and place into LATN 202, a student must score at least 60% on a test comparable to the final examination in Latin 201, Intermediate Latin I, which includes translation of unadapted classical Latin, reading comprehension and grammar, composition, and culture. The examination is proctored at University of Lynchburg and scored by the Latin instructor.

Work in the MLRC constitutes part of the elementary and intermediate language courses for Latin. It is designed to furnish peer language tutors for review and to teach and test vocabulary, comprehension and translation skills, the components of which are auditory discrimination, auditory memory, pronunciation and fluency.

For students whose native language is not English, the foreign language general education requirement

may be waived using the substitution waiver form based on documentation of proficiency in the native language provided to the Department of Modern and Classical Languages. In cases in which students are foreign nationals, documentation of their International Student status from a country where English is not the native language is sufficient for the department to waive the foreign language requirement.

LATN 101 ELEMENTARY LATIN I (3) This is the first part of a two-course sequence in basic Latin. The course covers vocabulary and fundamentals of Latin grammar with simple sentence translation and composition together with aspects of Roman culture, including history and daily life. Placement in this course will be determined by score range on the Latin Placement Test required of all students wishing to register for Latin at University of Lynchburg.

LATN 102 ELEMENTARY LATIN II (3) This is the second part of a two-course sequence in basic Latin. The course continues the study of vocabulary and Latin grammar from Elementary Latin I, with simple passage translation and composition, together with aspects of Roman culture and history. Placement in this course will be determined by score range on the Latin Placement Test required of all students wishing to register for Latin at University of Lynchburg.

LATN 201W INTERMEDIATE LATIN [Writing Enriched] (3) *Prerequisites: LATN 101, 102. Corequisites or prerequisites: ENGL 111W-112W or ENGL 223W.* (Each student's level is determined by a placement test that is given at the beginning of the course.) The course reviews Latin grammar and intensive reading and course brings students to the novice high/intermediate low level (ACTFL Guidelines).

LATN 202 INTERMEDIATE LATIN II (3) *Prerequisite: LATN 201.* The course focuses on the reading of classical Latin prose and poetry, with attention to comprehension, interpretation, and accurate translation into coherent English, with an introduction to manuscript studies, the contexts in which the classical authors were preserved.

LATN 203 MEDIEVAL LATIN (3) *Prerequisite: LATN 201.* This course is designed to provide a recertification credit opportunity for Latin teachers in middle and high schools. It is also open to interested college and university students and faculty. Building on the classical tradition, this course shows how the Latin language and genres of writing such as legends, biographies, letters, and poetry, including drama, were influenced by and expanded upon classical Latin sources during the Middle Ages, following the fall of Rome in 476 A.D. Thus it provides continuity from the study of ancient Roman culture, prose, and poetry, which spread throughout the empire, was preserved in manuscripts and printed books, and developed in new forms.

LATN 205 INTERMEDIATE LATIN I – MEDICAL (3) *Prerequisites: LATN 101 and 102, or placement test.* This special section of Intermediate Latin focuses on medical and health-related terminology, contexts, and situations. The course offers practice of the same grammatical concepts and linguistic functions as in all other sections of Intermediate Latin, but the vocabulary and readings are taken from sources that provide an introduction to the history of medicine from which terms in present-day use developed. Readings include primary sources in Latin from anatomy and physiology, diseases and their treatments, and pharmacology. This course will bring students to the novice high/intermediate low reading comprehension level (ACTFL guidelines). By taking this course, students planning for careers in health sciences fields should be better able to use and comprehend technical terms, many of which derive from Latin, in these fields. This course fulfills the General Education requirement for languages.

LATN 208 CLASSICAL LATIN LITERATURE IN ENGLISH TRANSLATION (3) This course focuses on selected works from classical Latin literature, from the Early Republic to the High Empire of Rome, c. 240 B.C. - 200 A.D. Genres include epic, comedy and tragedy, lyric, elegiac and pastoral poetry, history, biography, orations, and letters.

LATN 377 STUDY ABROAD (1-6) *Prerequisite: Consent of instructor.* This course involves intensive Latin instruction with grammar instruction, reading comprehension, and translation, background pertaining to the region where the travel takes place, plus site visits related to texts read will take place.

LATN 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

LATN 397 INDEPENDENT STUDY IN LATIN (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

LATN 398 SPECIAL TOPICS IN LATIN (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

LATN 399 INTERNSHIP IN LATIN (1-3) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator and supervising faculty prior to registration.* Students may earn college credit for participation in an internship that requires familiarity with terminology from Latin, such as medical facilities, health, law offices, courts, schools, or organizations where terms from the Latin language are a regular part of the vocabulary. Jointly supervised by the program and the responsible organization administrator, the internship is expected to provide the student with the opportunity to apply, in a practical way, some of the language skills acquired in the study of Latin. (See "Internships.")

LATN 470 MEDIEVAL LATIN FOR TEACHERS (3) *Prerequisite: LATN 201 or above.* This course shows how the Latin language and genres of writing such as legends, biographies, letters, and poetry developed during the period 500-1500 CE, following the fall of Rome in 476 CE. Thus it provides continuity from the study of ancient Roman culture, prose, and poetry, which spread throughout the empire, was preserved in manuscripts and printed books, and developed in new forms. The course includes reading and translation, an introduction to paleography or handwriting styles in manuscripts, and lesson plans for teaching.

LIBERAL ARTS STUDIES COURSES (LIBS)

LIBS 321 RESEARCH AND WRITING: LIBERAL ARTS STUDIES (3) This course provides an introduction to research and writing across disciplines in the Liberal Arts, covering concepts such as hypothesis, literature review, and research design including critical analyses.

LIBS 400 LIBERAL ARTS STUDIES CAPSTONE PROJECT (3) *Prerequisite: LIBS 321.* The student, working under the supervision of a committee composed of the major supervisor, and at least 2 faculty members from 2 existing departments, will execute a research project. The capstone culminates with writing (synthesis and analyses) and presentation of either 3 short papers or one formal research paper as decided by the committee.

LINGUISTICS COURSES (LING)

LING 201 INTRODUCTION AND OVERVIEW OF LINGUISTICS (3) This is an introduction to linguistics with a focus on North American English (NAE) and provides an overview of syntax, morphology, phonology, phonetics, the International Phonetic Alphabet (IPA), semantics, and pragmatics.

LING 301 PHONOLOGY/PHONETICS OF NORTH AMERICAN ENGLISH (3) This course provides a detailed account of the phonology and phonetics of North American English for TESL/TEFL with an emphasis on teaching pronunciation. Topics include the International Phonetic Alphabet (IPA), phonemes and allophones, articulators and air stream mechanisms, phonotactics, and prosody (stress, rhythm, phrasing, assimilation, intonation.)

LING 302 SECOND LANGUAGE ACQUISITION (3) This course provides an overview of foundational theories related to second-language acquisition. Topics include first language acquisition and age effects; differences and similarities between learning a first language and a second (or third language); the development of "inter-language grammars"; cross linguistic interference or transfer effects, variability in second language learning, and the role and effectiveness of teachers in the language classroom.

LING 303 PSYCHO-LINGUISTICS (3) This course provides an overview of psychological and neurobiological processes that are important in understanding how a first, second, or additional language is

encoded and processed in the brain. This course will also review current methods of “observing” language processing through brain imaging, e.g. by positron emission tomography (PET); functional magnetic resonance imaging (fMRI); event-related potentials (ERPs), etc. and how such information informs our understanding of where and how language is processed.

LING 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

LING 397 INDEPENDENT STUDY IN LINGUISTICS (3) *Prerequisites: Approval of faculty sponsor and school dean.* This course provides students an opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

LING 398 SPECIAL TOPICS IN LINGUISTICS (1-3) *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently more than one may be taken by a student during his/her matriculation.

LING 399 INTERNSHIP IN TESL/TEFL (1-6) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator, supervising faculty, and school dean prior to registration.* Students may earn college credit for participation in an internship with a company, a government agency, a non-profit organization; jointly supervised by the program and the responsible organization administrator. The internship is expected to provide the student with an opportunity to apply in a practical way some of the skills acquired in the study of TESL/TEFL and applied linguistics.

MANAGEMENT COURSES (MGMT)

MGMT 101 FRESHMAN SEMINAR IN MANAGEMENT (3) *Prerequisite: Freshman standing only.* This theme-based course gives students exposure to management early in their college career. Designed around the interests of the instructor, the course will provide students with the opportunity to use management principles to explore an issue from multiple perspectives. Through in-depth study of a specific topic (e.g., productivity through people and team development), students will be introduced to basic management concepts as they develop critical thinking and communication skills.

MGMT 244 OPERATIONS MANAGEMENT (3) *Prerequisite: BUAD 241.* This course introduces production and operations functions in business. Topics include forecasting, plant location, transportation models, inventory models, scheduling techniques, just-in-time, and other application uses for quantitative methodology.

MGMT 260 PRINCIPLES OF MANAGEMENT AND ORGANIZATIONAL BEHAVIOR (3) This course studies the common activities of managers and includes planning, problem solving, organizational theory and application, direction of personnel utilizing organizational behavior theories, and control principles and their application.

MGMT 262 HUMAN RESOURCE MANAGEMENT (3) This introduction to human resource management includes human resource planning, workforce planning, employment law, recruiting and hiring personnel, training and developing employees, motivating and compensating employees, and evaluating and rewarding employees.

MGMT 303 INTERNATIONAL MANAGEMENT AND NEGOTIATIONS (3) *Prerequisite: MGMT 260.* This course provides students with the analytical and practical foundations and strategies needed to manage in diverse and multinational environments. The student’s “cultural intelligence” will be honed through the exploration of similarities and differences among organizations in varied cultural and relationship contexts, including the negotiation context. This course change more fully integrates organizational change management into this course and the human resource management curriculum.

MGMT 310 MANAGEMENT INFORMATION SYSTEMS (3) *Prerequisite: MGMT 260.*

This course examines information systems from a management perspective and surveys key topics of information systems including: computer software, hardware, communications, examples of applications, and information systems planning.

MGMT 321 TRAINING, DEVELOPMENT, AND CHANGE (3) This course is designed to focus on critical issues within the field of training, development, and change management. First, students in this course will learn how to design, implement, and evaluate effective training programs. In the second half of the course, students will study the organizational change management process.

MGMT 360 PROJECT MANAGEMENT (3) This course introduces established norms, methods, processes, and practices in project management. Students learn to plan a project, create a project schedule, assign resources and costs, track projects, and share information across projects, applications, and the World Wide Web.

MGMT 363 MANAGING DIVERSITY WITHIN ORGANIZATIONS (3) This course introduces students to diversity in organizations, focusing on three levels of analysis: organizational, team, and individual. The intent is to assist students, as future managers, to lead a diverse workforce and to manage diversity as a business strategy. The course is designed to develop both individual and organizational competencies for managing diversity through the medium of different theories, approaches, and images. Students will survey theory, research, and practices associated with diversity. The course will supplement assigned readings with exercises, case studies, debates, and simulations to improve student's analytical and reasoning skills.

MGMT 364 WORKFORCE PLANNING, STAFFING, AND COMPENSATION (3) This course underscores the strategic nature of human resource management in planning, staffing, and compensation. It examines how organizations plan for workforce and hiring needs, and design and implement compensation policies and protocols.

MGMT 377 STUDY ABROAD: INTERNATIONAL MANAGEMENT (3) *Prerequisite: MGMT 260.* This course offers students the opportunity to study management challenges associated with business activity in foreign settings. It aims to provide students with knowledge, understanding, and skills that will help them manage more effectively in an international environment.

MGMT 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

MGMT 397 INDEPENDENT STUDY IN MANAGEMENT (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

MGMT 398 SPECIAL TOPICS IN MANAGEMENT (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

MGMT 399 INTERNSHIP IN MANAGEMENT (1-12) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator and supervising faculty prior to registration.* Internships are offered in cooperation with a member of the management faculty who is responsible for holding a weekly class meeting and assigning the final course grade. Student interns may or may not be paid for their work. (See "Internships.")

MGMT 475 STRATEGIC HUMAN RESOURCE MANAGEMENT (3) *Prerequisites: MGMT 262, 321.* This course provides a capstone experience where students integrate principles of business strategic management and strategic human resource management. Topics covered include strategic management,

HRM planning, HRM audit, HRM metrics, measuring HRM effectiveness, and HRM alignment.

MGMT 477 MANAGEMENT CONSULTING (3) *Prerequisites: MGMT 244, MGMT 260, MGMT 262, MKTG 209.* This course is for business majors who are interested in understanding management consulting as a profession and industry, the consulting process, and the tools and techniques that can be used to help organizations improve performance and become more effective. Students will learn the fundamentals of consulting practice, including diagnosing situations, planning and executing assignments, client management, common mistakes, and ethical issues in consulting. A variety of diagnostic and problem-solving methodologies will be applied.

MARKETING COURSES (MKTG)

MKTG 101 FRESHMAN SEMINAR IN MARKETING (3) This theme-based course gives students exposure to marketing early in their college career. Designed around the interests of the instructor, the course will provide students with the opportunity to use marketing principles to explore an issue from multiple perspectives. Through in-depth study of a specific topic (e.g., social media marketing, consumer privacy rights, cross-cultural branding, and videogame marketing), students will be introduced to basic marketing concepts as they develop their critical thinking and communication skills.

MKTG 200 SOCIAL MEDIA MARKETING (3) This interactive course will focus on how to design, strategize, implement and evaluate a digital marketing strategy for small and mid-size organizations. An understanding of the opportunities and challenges of the Digital Media Revolution will be developed through readings, case studies, and hands-on activities. Students will learn how to use and optimize basic social media tools [Blogs, Facebook, Twitter, YouTube, and LinkedIn] with traditional marketing efforts. Teams will launch a Digital Marketing Strategy.

MKTG 209 PRINCIPLES OF MARKETING (3) This course provides a comprehensive study of the structure and function of marketing systems in the firm, the economy, and society. The course develops the analysis of target markets, the assessment of the firm's external environments, and the management of marketing practices both domestically and internationally.

MKTG 371 MARKET RESEARCH (3) *Prerequisites: BUAD 241, MKTG 209.* This quantitative course provides students with the tools and knowledge required to acquire data in product development or product management situations, to analyze the data appropriately, and to generate useful recommendations on the basis of their analysis.

MKTG 372 SALES AND SALES MANAGEMENT (3) *Prerequisite: MKTG 209.* This course examines direct sales environments with an emphasis on industrial goods selling. Students develop personal selling skills in concert with an understanding of buyer needs and requirements as expressed in the buying motion. Other topics include sales strategy development, organizational design, performance evaluation, compensation, and territory administration.

MKTG 374 RETAILING AND MERCHANDISING (3) *Prerequisite: MKTG 209.* This study of distribution systems management emphasizes retail store management. Topics include location decisions, layout, service, strategy, product mix, pricing, purchasing and stocking, and local advertising.

MKTG 375W CONSUMER AND BUYER BEHAVIOR [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W, MKTG 209.* This course is an interdisciplinary approach to the analysis and application of psychological, social, and cultural influences on the behavior of consumers and organizational buyers. The interrelationships of marketing actions and buyer behavior are analyzed with the goal of making effective marketing decisions.

MKTG 377 STUDY ABROAD (3) *Prerequisite: MKTG 209.* This course focuses on marketing challenges associated with business activity across national boundaries. It aims to provide students with the knowledge, understanding, and skills that will help them market more effectively in an international environment. Included in this course is a field study experience in a foreign country.

MKTG 379 MARKETING COMMUNICATIONS (3) *Prerequisite: MKTG 209.* This course is an intensive examination of the roles of advertising, personal selling, sales promotion, and public relations in

product or service marketing efforts. Topics include theme selection, copy and artwork preparation, media selection, performance analysis, budgeting, and other areas relevant to promotion.

MKTG 380 SERVICES MARKETING (3) *Prerequisite: MKTG 209.* The course examines dimensions of the services sector, including the structural differences between services and consumer/industrial products. It explores service marketers' difficulties in using traditional marketing concepts and focuses on new marketing approaches for service sectors in the information age economy.

MKTG 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

MKTG 397 INDEPENDENT STUDY IN MARKETING (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

MKTG 398 SPECIAL TOPICS IN MARKETING (1-3) [credit depends on topic] *Prerequisites: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

MKTG 399 INTERNSHIP IN MARKETING (1-12) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator and supervising faculty prior to registration.* Internships are offered in cooperation with a member of the marketing faculty who is responsible for holding a weekly class meeting and assigning the final course grade. Student interns may or may not be paid for their work. (See "Internships.")

MKTG 425 INTERACTIVE MARKETING (3) *Prerequisite: MKTG 209.* This course is designed to give students a hands-on experience in interactive marketing and social media through the development and implementation of a WordPress site. During the course students will learn the fundamentals of persuasive communication theory and garner an understanding of database driven web site/ blog site design. Topics covered include: visual communication techniques as well as WordPress theme design, HTML, CSS, PHP and SQL. Students will learn to implement the programs needed to develop these tools (Image editor, Text editor, FTP transfer program). To demonstrate their proficiency in these areas students will develop a personal promotional site.

MKTG 451 MARKETING MANAGEMENT (3) *Prerequisites: MKTG 371, 375.* This course focuses on the application of problem-solving in the area of marketing management. Emphasis is placed upon the analysis of markets, planning the marketing effort, management of the marketing organization, and control of marketing operations. This course is taught using the case method and/or computer simulation.

MATHEMATICS COURSES (MATH)

MATH 102 PRECALCULUS (3) *Prerequisite: At least two years of high school algebra.* This course includes the study of a variety of functions and their graphs and transformations, including linear, quadratic, rational, polynomial, logarithmic, exponential and trigonometric functions. The study of trigonometry will include both the right triangle and the unit circle approach. The course is intended to strengthen the algebra and trigonometry skills required for the study of calculus.

MATH 103 CALCULUS I (3) *Prerequisite: MATH 102.* This course introduces the student to elementary differential calculus with applications.

MATH 104 CALCULUS II (3) *Prerequisite: MATH 103.* Differential and integral calculus of single variable transcendental functions, methods of integration, and applications are studied.

MATH 105 PROBLEM SOLVING IN MATHEMATICS (3) This course introduces students to the true nature of mathematics, what mathematicians really do, how they think, and what they try to accomplish. The focus is on using quantitative reasoning and intuitive logical thought techniques to solve problems rather than formal rigid processes. Selected topics may include, but are not limited to, number estimation, number theory, probability, mathematical modeling, regression, infinity, strange geometries, chaos and fractals, and famous math problems. This course meets the general education mathematics requirement.

MATH 106 LIBERAL ARTS MATHEMATICS (3) This course introduces the student to the language and modeling capabilities of mathematics by providing a broad overview of several different fields of mathematics including logic, linear algebra, probability, statistics, and the mathematics of finance with the purpose of developing an appreciation of the extent and usefulness of those ideas in our ordinary lives.

MATH 117 INTRODUCTION TO SCHOOL MATHEMATICS I (3) *Prerequisite: General Education Math.* This course covers key topics in school mathematics including an introduction to the central concepts of pre-secondary mathematics and the National Council of Teachers of Mathematics (NCTM) recommended standards. Topics include problem-solving methodologies, sets, elementary number theory, arithmetic of the whole and rational number systems. This course may not be used to satisfy any of the requirements for the mathematics minor or major.

MATH 118 INTRODUCTION TO SCHOOL MATHEMATICS II (3) *Prerequisite: MATH 117.* This is a continuation of MATH 117 and covers the basic concepts and operations of real numbers as well as various selected topics in mathematics from the recommended Standards of the National Council of Teachers of Mathematics (NCTM) and the PRAXIS exam. Topics include number theory, geometry and measurement, probability, and statistics. This course may not be used to satisfy any of the requirements for the mathematics minor or major.

MATH 211 CALCULUS III (3) *Prerequisite: MATH 104.* Polar coordinates, infinite series and sequences, multivariable calculus, partial differentiation, multiple integration, three-dimensional analytic geometry and applications are studied.

MATH 231 THE MATHEMATICS OF COMPUTER SCIENCE (3) This course introduces the theoretical and mathematical foundations of computer science. Topics include sets, summations and limits, number systems, mathematical induction, logic and Boolean algebra, probability and statistics, automata and grammars, combinatorics, and graph theory.

MATH 260W MATHEMATICAL REASONING AND PROOF [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W, MATH 104.* This course is an introduction to mathematical reasoning as exemplified in the proof methodology inherent to formal mathematics. This course will include a formal study of logic and the different methods of proof and then use examples from various branches of mathematics to illustrate these ideas. Fields from which the examples will be taken include, but are not limited to, set theory, cardinality, relations and order, functions, elementary group theory, and combinatorics.

MATH 301 DIFFERENTIAL EQUATIONS (3) *Strongly Recommended: MATH 211.* This course focuses on existence and uniqueness theorems; first order equations; linear, homogeneous, and non-linear equations; transform methods; numerical methods; and series solutions.

MATH 304 COLLEGE GEOMETRY (3) *Prerequisite: MATH 104.* This course covers the important aspects of Euclidean Geometry including topics involving angles, triangles, parallel and perpendicular lines, circles, polygons, similarity, areas, volumes, as well as various selected topics in mathematics from the recommended Standards of the National Council of Teachers of Mathematics (NCTM) and the PRAXIS II exam. It is also intended to give students further exposure to the art of formal proof writing in a setting where many steps of the proof can be displayed and explained visually.

MATH 307 LINEAR ALGEBRA (3) *Strongly recommended: MATH 260.* This course provides a study of linear transformations over vector spaces covering vectors, vector spaces, matrices, determinants, systems of linear equations, and linear transformations.

MATH 310W HISTORY OF MATHEMATICS [Writing Enriched] (3) *Prerequisite: ENGL 111W-112W or ENGL 223W; corequisite: MATH 260 or permission of instructor.* This course will introduce students to mathematics from a historical perspective. Course topics will include number theory, algebra, geometry and calculus.

MATH 311 **PROBABILITY THEORY (3)** *Prerequisite: MATH 104.* This course introduces mathematical probability theory using an axiomatic approach and considering numerous applications.

MATH 313 **COMPLEX VARIABLES (3)** *Prerequisite: MATH 211.* This course examines properties of complex numbers; elementary functions of a complex variable; complex derivatives and analytic functions; mappings; definite and indefinite integrals; Cauchy's theorem and integral formulas; Taylor and Laurent expansions; singular points and the residue theorem; conformal mapping with applications.

MATH 323 **NUMBER THEORY (3)** *Prerequisite: MATH 260.* This course deals with the properties of the set of integers. Topics considered include divisibility and division algorithm, congruences, quadratic residues, recurrence functions, diophantine equations, and continued fractions.

MATH 328 **VECTOR ANALYSIS (3)** *Prerequisite: MATH 211.* This course includes vector algebra; vector geometry; vector functions; vector calculus: derivatives, gradient, curl, divergence, and Laplacian operators; line and surface integrals; Stokes' and Gauss' theorems; applications to physics; generalized coordinates; linear vector spaces.

MATH 350W **EXPERIMENTAL MATHEMATICS [Writing Enriched] (3)** *Prerequisites: CS 131 or programming ability, ENGL 111W-112W or ENGL 223W, and consent of the instructor.* This course will introduce students to the fine art of problem solving. The focus is on using computers, models, and examples to investigate problems rather than formal rigid processes to uncover a solution. Selected topics will include, but are not limited to, number theory, probability, mathematical modeling, graph theory, fractals, real analysis, and open math problems. This course will fulfill a math elective requirement.

MATH 387 **DOMESTIC STUDY AWAY (3)** Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

MATH 397 **INDEPENDENT STUDY IN MATHEMATICS (1-3)** *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

MATH 398 **SPECIAL TOPICS IN MATHEMATICS (1-3) [credit depends on topic]** *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

MATH 399 **INTERNSHIP IN MATHEMATICS (1-12)** *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator, and supervising faculty prior to registration.* Students may earn college credit for participation in an internship with a business firm or agency, jointly supervised by the program and the responsible organization administrator. The internship is expected to provide the student with an opportunity to apply, in a practical way, some of the mathematical skills acquired. (See "Internships.")

MATH 405-406 **ABSTRACT ALGEBRA (3, 3)** *Prerequisite: MATH 260.* Three hours lecture each semester. This course sequence introduces students to algebraic concepts such as groups, rings, integral domains, and fields. The elementary number systems occupy a central place. Mappings, especially homomorphisms, are introduced fairly early and emphasized throughout.

MATH 407-408 **ADVANCED CALCULUS (3, 3)** *Prerequisite: MATH 260.* Three hours lecture each semester. This sequence introduces students to the foundations of analysis including a study of limits and continuity, functions of several variables, and finite and infinite series.

MATH 409 **NUMERICAL ANALYSIS (3)** *Prerequisite: MATH 211.* This course examines some commonly used numerical methods for the solutions of linear and non-linear equations and systems; difference calculus and interpolation; numerical differentiation and integration.

MATH 420 TOPOLOGY (3) *Prerequisite: MATH 260.* This course explores basic concepts of a topological space; continuous functions and mappings; separation axioms; metric spaces; deformations; and topology of plane sets.

MATH 451W SENIOR PROJECT [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W; senior standing and at least three mathematics courses numbered 300 or higher.* This course serves as a capstone for those students with a major in mathematics. The student does an intensive study of a mathematics topic of his/ her choice under a supervising professor. This study must involve a synthesis of available material on the topic including (but not limited to): traditional books, journal articles, and web-based materials. The student must write a research paper on the topic and present it to a faculty committee.

MUSEUM STUDIES COURSES (MST)

MST 101 INTRODUCTION TO MUSEUM STUDIES (3) This course is a survey of the history, mission, methods, contemporary applications, and future roles of museums. Images, text, and additional readings comprise the primary teaching aids, and the Daura Gallery and Historic Sandusky are used as teaching resources as well. Field trips are made to museums, especially those with disciplines other than art, to provide an understanding of all types of museums including art, material culture, natural history, anthropology, and historical sites.

MST 102 THE GREAT AMERICAN MUSEUM (1) Since the early 20th Century, American museums have been centers of education and interpretation (teaching through the use of original objects). This course focuses on one significant American museum through the examination of its history, mission, interpretation of its collection, and current educational and social roles. The course will be taught periodically in the Fall semester from the opening day of classes through Fall Break. The course will culminate with travel to a selected museum over Fall Break. The trip and travel fee are required.

MST 201 CURATORIAL PRACTICES (3) This course focuses on the identification and understanding of tangible objects within the historical perspective, their relevance and use by museums of all types, and the application of curatorial methodology and care of collections. Historical, artistic, decorative, and scientific objects will be examined for authenticity, composition, history, and value.

MST 202 MUSEUM EXHIBITIONS (3) This course focuses on the theory of museum exhibitions, with emphasis on the role of museums in providing interpretive exhibitions that stimulate critical thinking, discourse, and contemplation, and pertaining to museums of all types, including art, material culture, natural history, anthropology, science, historical sites, etc. The Daura Gallery is used as a teaching resource.

MST 301 LEGAL AND ETHICAL ISSUES IN MUSEUM STUDIES (3) This course examines the ethical and legal issues of global importance in the 21st century.

MST 302 MUSEUMS IN THE PUBLIC DIMENSION (3) *Prerequisite: MST 202.* A course that blends theory with practice through interpreting and curating an exhibition, and developing educational and ancillary programming for the Daura Gallery.

MST 304 HISTORICAL ARCHAEOLOGY (6) *Prerequisite: MST 101.* Historical Archaeology is an archaeology field school at Historic Sandusky, which provides a foundation in current methods and theories of historical archaeology, and offers a solid introduction to the practical skills of site survey, excavation, recording, and laboratory procedures.

MST 305 UNDERSTANDING THE HISTORIC HOUSE MUSEUM AS PUBLIC HISTORY (3) America's cultural heritage can be found in its people and its buildings. Preservation of social and cultural history is embodied in historic buildings. This course will provide an awareness and knowledge of the rich complexity of details and issues associated with the architectural restoration and public interpretation of historic properties. Through lectures, assigned readings, research assignments, and site visits, the course will focus on the philosophy, professional practices, and unique issues of interpreting historic house museums. In particular, the class has an opportunity to participate in the current process of documentation and interpretation associated with Historic Sandusky, a developing house museum in Lynchburg.

MST 377 STUDY ABROAD (3) *Prerequisite: MST 101.* This course is a specialized program for museum studies students to study abroad at museums in Europe, Asia, Australia, New Zealand, Africa, North America outside the United States, or South America. Students will examine issues of cultural patrimony, and the similarities and differences between missions, collections, exhibitions, and public services of museums throughout the world.

MST 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

MST 397 INDEPENDENT STUDY IN MUSEUM STUDIES (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

MST 398 SPECIAL TOPICS IN MUSEUM STUDIES (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

MST 399 INTERNSHIP IN MUSEUM STUDIES (1-12) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator, and supervising faculty prior to registration.* This internship in a museum, gallery, historic site, or science center must be appropriately related to the student's major and career objectives. (See "internships").

MUSIC COURSES (MUSC)

APPLIED MUSIC

Private instruction in applied music is available to all students. All work is adapted to the ability and needs of the individual student. An extra, non-refundable fee is required. For music majors whose applied lessons are in the area of their projected senior project, e.g., voice lessons toward a senior voice recital, the University will waive the lesson fee. Private lessons are courses that may be required of students to meet proficiency standards. Lessons begin in the second complete week of classes each semester. Normally, students will receive one lesson each week for thirteen weeks each semester. Private lessons are listed as "TBA" by the Office of the Registrar. The student will arrange his/her lesson time. There is no overload fee for any of the applied music courses (001-010).

MUSC 001 Piano (.5 or 1)

MUSC 002 Organ (.5 or 1)

The beginning student in organ must display technical proficiency at the piano to the satisfaction of the instructor.

MUSC 003 Voice (.5 or 1)

MUSC 004 Woodwinds (.5 or 1)

MUSC 005 Brass (.5 or 1)

MUSC 006 Percussion (.5 or 1)

MUSC 007 Strings (.5 or 1)

MUSC 008 Composition (.5 or 1)

MUSC 010 Guitar (.5 or 1)

MUSIC ENSEMBLES

University music ensembles are available to all students. Overload fees, if applicable, are waived by the University for any ensemble participation.

MUSC 016 PERCUSSION ENSEMBLE (1) *Corequisite: MUSC 021.* The purpose of this organization is to develop ensemble techniques by studying and performing both standard and contemporary percussion literature. The ensemble is open to all students and faculty/staff members of University of Lynch-

burgas well as interested community members. University of Lynchburg students are required to co-enroll in MUSC 021. An audition is required. Repeatable for credit.

MUSC 017 BRASS ENSEMBLE (1) *Corequisite: MUSC 021.* The purpose of this organization is to develop ensemble techniques by studying and performing both standard and contemporary brass literature. The ensemble is open to all students and faculty/staff members of University of Lynchburg as well as interested community members. University of Lynchburg students are required to co-enroll in MUSC 021. An audition is required. Repeatable for credit.

MUSC 018 ORCHESTRA (1) The purpose of this organization is to develop ensemble techniques, music reading ability, and general musicianship and to acquaint students with a wide variety of orchestra music. For music majors who will become teachers, the Orchestra will provide experience in organization, music selection, and program planning. The Orchestra performs numerous times a semester on campus and within the Central Virginia area. Open to all students by audition.

MUSC 019 CHAMBER MUSIC ENSEMBLE (1) This is an opportunity to be involved with the smaller, more intimate forms of music called chamber music. Instrumentalists and vocalists may create their own ensembles, which may include duo-piano or accompanying, but must meet two hours a week with music faculty supervision. Singers must have an ensemble with two or more instruments. Involvement must include a public performance each semester and, if one ensemble member is a music major, an appearance before the music faculty at the end of the semester.

MUSC 020 JAZZ ENSEMBLE (1) *Corequisite: MUSC 021.* An eighteen-piece ensemble comprised of saxophones, brass, percussion, and guitars. Membership is selected from the Wind Ensemble and/or by audition for interested students, faculty and staff members, alumni, and community musicians. University of Lynchburg students are required to co-enroll in MUSC 021.

MUSC 021 WIND SYMPHONY (1) The purpose of this organization is to develop ensemble techniques, music reading ability, and general musicianship and to acquaint students with a wide variety of band music. For music majors who will become teachers, the Wind Ensemble will provide experience in organization, music selection, and program planning. The Wind Ensemble performs numerous times a semester on campus and within the Central Virginia area. Open to all students by audition.

MUSC 022 CONCERT CHOIR (1) The purpose of this ensemble is to rehearse and perform choral music from all major periods of choral literature, to learn some basic rudiments of singing and diction, and to develop general musicianship. The Concert Choir performs on campus and represents the University in concerts from New England to Florida. Open to all students by audition.

MUSC 023 HANDBELL CHOIR (1) The purpose of this ensemble is to rehearse and perform handbell music. The handbell choir presents concerts on campus and Christmas and in the spring. Open to all students. Basic music reading skills are required.

MUSC 024 CHAMBER CHOIR (1) *Prerequisite: Permission of the instructor.* Chamber Choir is a small, auditioned choral ensemble. The purpose of this ensemble is to rehearse and perform music written for small choral and chamber ensembles. Music will be selected from all major periods of music from the Medieval Age through the twenty-first century. Membership is open to University of Lynchburg students by audition only.

MUSC 025 CHORAL UNION (1) The Choral Union is a non-auditioned large choral ensemble. The purpose of this choir is to provide a quality choral music experience for all its members. Membership is open to all students and faculty/staff members of University of Lynchburg as well as interested community members. Since this choir is an open-membership choir for singers with various levels of musical skills, members will have ample opportunity to develop concepts of proper singing, including proper breathing, placement, intonation, balance, blending, and interpretation, while experiencing a wide variety of musical styles from the Medieval Age to the twentieth-century with an emphasis on major choral/orchestral works.

MUSC 026 JAZZ ORCHESTRA (1) *Prerequisite: Successful audition. Corequisite: MUSC 020.* The University of Lynchburg Jazz Orchestra is an ensemble for students, faculty, and community members. The purpose of this organization is to develop ensemble techniques by studying and performing both standard and contemporary Big Band and Jazz literature. An audition is required. Repeatable for credit.

GENERAL MUSIC COURSES

MUSC 100 MUSIC APPRECIATION (3) This course is an introductory study of Western Art Music. Various elements, forms, and styles will be taught through listening, viewing videos, and discussing the great music of the Middle Ages, Renaissance, Baroque, Classical, Romantic, and Modern Periods.

MUSC 102 WORLD MUSIC AND CULTURE (3) This introductory course on non-Western music explores the relationship of music of various cultures to events important to those cultures.

MUSC 103 MUSIC FUNDAMENTALS (3) This course is designed for students with limited or no skills in the fundamentals of music theory. Topics include pitch and rhythm notation, time classification, note and rest values, time signatures, intervals, major and minor scales, key signatures, and triads.

MUSC 104 INTRODUCTION TO MUSIC THEORY AND AURAL SKILLS (3) *Corequisite for music and music education majors: MUSC 108.* This study of the fundamentals in tonal music includes notation, scales, rhythms, intervals, chords, figured bass, and melody writing. This course also includes an introduction to basic aural skills. MUSC 104 is offered each fall semester. MUSC 104 may be waived by departmental placement exam.

MUSC 105 DIATONIC HARMONY (3) *Prerequisite: MUSC 104. Corequisite for music and music education majors: MUSC 107 and 109.* This study of diatonic harmonic practices in tonal music includes figured bass and lead-sheet notation, cadences, non-harmonic tones, harmonic progression, phrases, modulation, and small forms. MUSC 105 is offered each spring semester.

MUSC 107 INTERMEDIATE AURAL SKILLS (1) *Corequisite or prerequisite: MUSC 105 or its equivalent. Corequisite for music and music education majors: MUSC 109 or its equivalent.* This laboratory course is designed to increase skills in aural perception of music. Students develop skills in singing from notation and in notating music that they hear. Offered each spring semester.

MUSC 108-109 PIANO CLASS I, II (1, 1) *Corequisite for MUSC 108: MUSC 104. Corequisite for MUSC 109: MUSC 105.* This laboratory course provides application of the principles of elementary theory to the keyboard. Students learn to play the major and minor scales, along with various harmonic formulae, and learn to improvise accompaniments to simple melodies. These courses must be taken in sequence. . MUSC 108 is offered each fall semester and MUSC 109 is offered each spring semester. Successful completion of the Piano Proficiency Exam may substitute for these courses. Music majors must include MUSC 104-105 and MUSC 108-109 as corequisite requirements.

MUSC 110 VOICE CLASS (1) This group study of the fundamentals of singing involves the principles of phonation, resonance, diction, breathing, and other related techniques pertinent to producing a good singing tone, using selected rhythmic exercises and singing materials. Recommended especially for music theatre students, teachers of public school music, choir directors, ministerial students, and directors of religious education.

MUSC 111 MUSIC TECHNOLOGY (2) *Prerequisite: must be able to read music.* The purpose of this course is to provide a hands-on study of current technologies used in the elementary and secondary classroom as well as by performing musicians. Topics include office/music software, video/audio digital recording and editing, and music notation software including, but not limited to Sibelius and Finale. An introduction to U. S. copyright law as it applies to musicians is also covered in this course.

MUSC 163 INTRODUCTION TO MUSIC EDUCATION (2) A study of the history of music education in the United States and its global connections, cornerstone philosophies of music education, and elements of the music education profession. Introduction to Music Education offers project-based learning, demonstration, and individual guidance in music lesson design, development, and implementation.

MUSC 164 SERVICE LEARNING IN MUSIC (1) This course provides students the opportunity to pursue service learning opportunities at the University of Lynchburg and in the surrounding communities. The area for service is developed in consultation with the instructor. This course may be repeated for credit each semester.

MUSC 204 CHROMATIC HARMONY AND COMMERCIAL MUSIC (3) *Prerequisite: MUSC 105. Corequisite for music and music education majors: MUSC 206.* This course is a continuation and elaboration of tonal harmony as begun in MUSC 104-105 with in-depth study of eighteenth-century counterpoint, chromatic and extended harmony, and commercial music. MUSC 204 is offered each fall semester.

MUSC 206-207 ADVANCED AURAL SKILLS I, II (1, 1) *Corequisite for MUSC 206: MUSC 204 or its equivalent. Corequisite for MUSC 207: MUSC 306W.* This laboratory course sequence is a continuation of MUSC 107. These courses must be taken in sequence. MUSC 206 is offered each fall semester and MUSC 207 is offered each spring semester.

MUSC 211 DIGITAL AUDIO TECHNIQUES (2) *Prerequisite: COMM 104 or MUSC 111.* This course provides students with opportunities for practical application of digital audio and its various audio, digital, and recording techniques. Topics include microphone types, use, and placement; field recording; audio software; mixing; and overdubbing. In addition, students will work with vocalists and instrumentalists for live recording opportunities.

MUSC 215 JAZZ AND THE ORIGINS OF ROCK MUSIC (3) This course will examine the history of jazz and rock music. A thorough examination of the musical elements of the genres will be accompanied by study of the social/cultural contexts that contribute to the artistic developments of jazz and rock music.

MUSC 222 ACCOMPANYING (1) *Prerequisite: MUSC 109.* This course builds on the principles and skills gained in Piano Class II. Students will learn to accompany vocal soloists and vocal ensembles. Students will apply keyboard skills to play individual vocal lines, read open score, and accompany using keyboard scores as well as improvised piano accompaniment in preparation for the elementary or secondary choral classroom. May be repeated for credit.

MUSC 223 CHORAL METHODS (1) A hands-on study of vocal-choral pedagogy for secondary/elementary music educators. This course explores theories and practices of vocal pedagogy, repertoire, rehearsal procedures, and administration of choral music education.

MUSC 226 PERCUSSION METHODS (1) Class instruction in percussion instruments emphasizes the snare drum including basic playing techniques, teaching methods, and materials. (Required for public school music licensure in instrumental music.)

MUSC 227 STRING METHODS (1) Class instruction in string instruments emphasizes the violin including basic playing techniques, teaching methods, and materials. (Required for public school music licensure in instrumental music.)

MUSC 228 INSTRUMENTAL SURVEY (1) Class instruction in brass, woodwinds, string, and percussion instruments including basic playing techniques, teaching methods, and materials. (Required for licensure in public school vocal/general music.)

MUSC 230 MARCHING BAND TECHNIQUES (2) This course will address the administration and management of high school marching bands as a part of the total public school instrumental music program. Students will be exposed to philosophical, educational, and musical techniques used in producing a superior performance ensemble. The course will emphasize rehearsal techniques and the application of pedagogical skills to the marching ensemble. Show design, computer-aided charting, marching and maneuvering, rehearsal planning, equipment selection, personnel management, color guard units, percussion sections, discipline, and performance preparation will be addressed.

MUSC 233 INSTRUMENTAL METHODS AND TECHNIQUES I (1) Class instruction in woodwind and brass instruments includes basic playing techniques, teaching methods, and materials. (Required for public school music licensure in instrumental music education)

MUSC 234 INSTRUMENTAL METHODS AND TECHNIQUES II (1) *Prerequisite: MUSC 233.* Class instruction in woodwind and brass instruments includes intermediate playing techniques, teaching methods, and materials. (Required for public school music licensure in instrumental music education).

MUSC 240 **DICTION FOR SINGERS I (1)** An introduction to phonetics as well as the practical applications for pronunciation fundamentals in the English, Latin, and Italian languages through the use of the International Phonetic Alphabet (IPA) and appropriate art song repertoire.

MUSC 241 **DICTION FOR SINGERS II (1)** *Prerequisite: MUSC 240.* An introduction to phonetics as well as the practical applications for pronunciation fundamentals in the German and French languages through the use of the International Phonetic Alphabet (IPA) and appropriate art song repertoire.

MUSC 248 **BEGINNING CHORAL AND INSTRUMENTAL CONDUCTING (2)** This course is a study of the basic techniques of instrumental and choral conducting. MUSC 248 is offered each fall semester.

MUSC 249 **REHEARSING FROM THE PODIUM (2)** *Prerequisite: MUSC 248 or permission of instructor.* This course is a continuation of MUSC 248 and includes practical experience in conducting ensembles. MUSC 249 is offered each spring semester.

MUSC 263 **CURRICULUM AND ASSESSMENT IN MUSIC (2)** *Prerequisite: MUSC 163.* A study of curriculum and assessment methods applicable to music education settings including principles and techniques of teaching music in the secondary school. Offers observation, demonstration, and individual guidance in the areas of vocal, instrumental, and general music.

MUSC 302W-303 **MUSIC HISTORY AND LITERATURE I [Writing Enriched], II (3, 3)** *Prerequisites for MUSC 302W and 303: ENGL 111W-112W or ENGL 223W.* This survey of music literature acquaints the student with the musical styles of important periods and with the composers from the age of plainsong to the present.

MUSC 306W **FORM AND POST-TONAL ANALYSIS [Writing Enriched] (3)** *Prerequisites: ENGL 111W-112W or ENGL 223W, MUSC 204.* This course is a study of the structure of musical composition from the basic components to large composite units.

MUSC 307 **COUNTERPOINT (3)** *Prerequisite: MUSC 205.* This course studies contrapuntal styles of the sixteenth and eighteenth centuries.

MUSC 308 **TWENTIETH CENTURY MUSIC AND THEORY (3)** *Prerequisite: MUSC 205.* This course is an in-depth study of the music and theory of the twentieth century.

MUSC 350 **VOCAL PEDAGOGY AND LITERATURE (3)** *Prerequisite: Open to students with at least four semesters applied vocal music instruction.* This course involves the study of the anatomy and physiology of the larynx, breathing mechanism, and skeletal structure as it relates to singing. Related topics include phonation, resonance, vowel fragments, registers, timbre, vocal health, vocal literature, and contest music. Practical application of applied voice lessons emphasized.

MUSC 351 **INSTRUMENTAL PEDAGOGY AND LITERATURE (3)** *Prerequisite: Open to students with at least four semesters of applied instrumental music instruction.* This course acquaints the student with current methods, issues, and materials in instrumental teaching and their practical applications.

MUSC 363 **MUSIC IN ELEMENTARY AND SPECIAL EDUCATION (2)** *Prerequisite: MUSC 105.* This course provides materials and methods for pre-kindergarten through elementary school and for special populations in public schools and special settings.

MUSC 364 **FIELD EXPERIENCE I (LAB)-MUSIC IN ELEMENTARY AND SPECIAL EDUCATION (1)** *Corequisite: MUSC 363.* This lab experience is designed to provide opportunities for application of pedagogical theories and techniques in the music classroom in elementary school.

MUSC 366 **FIELD EXPERIENCE II (LAB)-MUSIC IN SECONDARY EDUCATION (2)** *Corequisite: MUSC 365.* This lab experience is designed to provide opportunities for application of pedagogical theories and techniques in the music classroom in secondary school.

MUSC 387 **DOMESTIC STUDY AWAY (3)** Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States.

Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

MUSC 397 INDEPENDENT STUDY IN MUSIC (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

MUSC 398 SPECIAL TOPICS IN MUSIC (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

MUSC 399 INTERNSHIP IN MUSIC (1-12) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator, and supervising faculty prior to registration.* This course is a practical application of music in the professional world. Possible areas include music management, music merchandising, church music, music in the theatre, and music in some private educational settings. (See "Internship.")

MUSC 400 ARRANGING AND ORCHESTRATION (2) *Prerequisites: Successful completion of MUSC 205 and 306.* This course introduces the musical craft of arranging as related to the setting of music for various combinations of instruments and voices. Topics will include transpositions and practical ranges for instruments and voice. Students will participate in class exercises, prepare weekly arrangements, and complete a final project.

MUSC 402W SENIOR SEMINAR IN MUSIC PERFORMANCE [Writing Enriched] (2) *Prerequisites: ENGL 111W-112W or ENGL 223W, MUSC 306.* This course introduces performance and analysis techniques in music with links to literature performed in senior recital for music performance and music education emphasis students. This course involves a substantial amount of oral presentation by students, in addition to writing program notes for the senior recital. This course will culminate with the performance of a senior recital.

MUSC 460 STUDENT TEACHING IN MUSIC (11) *Prerequisite: Admission to student teaching.* This course is a culminating, full-time, supervised field experience at two levels of music instruction, for a minimum of 200 hours of "in charge" teaching. Vocal/general or instrumental classes are assigned to satisfy the desired endorsement area. Biweekly support team meetings with fellow student teachers, College supervisor, and clinical faculty consider such issues as planning, classroom, management, and interaction with parents. Required for music teacher licensure. This course requires a mandatory Criminal and Social Services background check conducted at the end of the prior semester at the student's expense.

NURSING COURSES (NRSG)

NRSG 220 PATHOPHYSIOLOGY (3) *Prerequisites: CHEM 127, BIOL 222/222L (C or better for all), NRSG 225 (B- or better). Prerequisite or corequisite BIOL223/223L (C or better).* This course introduces the student to major concepts and commonly used terminology related to pathology in each organ system. Selected pathophysiological phenomena, common disease processes, conditions and injuries are analyzed relative to their clinical manifestations and implications for nursing management.

NRSG 225 NURSING FUNDAMENTALS (3) *Prerequisite: CHEM 127 (C or better). Prerequisites or corequisites: BIOL 222/222L, BIOL223/223L (C or better).* This course introduces students to concepts, theories, and standards of nursing practice in today's evolving health care systems. Students use the nursing process to examine normal developmental changes across the lifespan from childhood to older adult. Critical thinking is examined as a basis for decision-making in nursing and emphasis is placed on developing therapeutic nursing interventions and communication skills. Laboratory learning activities provide the student opportunities to practice and demonstrate skill proficiency in a simulated setting.

NRSG 225L NURSING FUNDAMENTALS LAB (1) *Prerequisites: BIOL 222/222L (C or better for all), CHEM 127, and NRSG 225 (B- or better). Prerequisite or corequisite: BIOL223/223L (C or better).*

Laboratory learning activities provide the student opportunities to practice and demonstrate skill proficiency in a clinical and simulated setting.

NRSNG 232 HEALTH ASSESSMENT (2) *Prerequisites: BIOL 222/222L (C or better for all), CHEM 127, NRSNG 225 (B- or better). Prerequisite or corequisite: BIOL223/223L (C or better).* In this course students are introduced to a comprehensive, systematic approach to health assessment. Students learn the components of a complete health history, including interviewing and documentation. In addition, students are introduced to the techniques of physical assessment and practice in a laboratory setting.

NRSNG 232L HEALTH ASSESSMENT LAB (1) *Prerequisites: CHEM 127, BIOL 222/222L (C or better for all), NRSNG 225 (B- or better). Prerequisite or corequisite: BIOL223/223L (C or better).* Three-hour skills laboratory must be taken concurrently with NRSNG 232.

NRSNG 300 NURSING PHARMACOLOGY (3) *Prerequisites: BIOL 214/214L and 215/215L or BIOL 222/222L and 223/223L (C or better).* This course establishes a knowledge base in pharmacology and provides an opportunity to investigate pharmacological principles. Students will focus on the relationship between pharmacological knowledge, nursing practice, and athletic training. Drug prototypes, mechanisms of action, and the implications for clinical management are discussed.

NRSNG 300L NURSING PHARMACOLOGY LAB (1) *Prerequisites: Completion of nursing prerequisite courses; corequisite or prerequisite: NRSNG 300; concurrent enrollment in 300 level clinical nursing courses required.* The pharmacology lab focuses on principles of safe medication administration. It provides psychomotor skill development opportunities as well as clinical practice simulations.

NRSNG 335 NURSING CARE OF CHILDBEARING FAMILY (3) *Prerequisites: NRSNG 220 (C or better), 225/225L, 232/232L (B- or better); corequisite or prerequisite: NRSNG 300/300L (B- or better).* This course applies the nursing process to the care of well and high-risk pregnant women and their families within the context of their environment. Students will use critical thinking to explore concepts of normal pregnancy, growth and development, the childbirth process, and women with high-risk pregnancies. Theory, research, and evidence-based practice are foundations.

NRSNG 335L NURSING CARE OF CHILDBEARING FAMILY LAB (1) *Prerequisites: NRSNG 220, 225/225LW, 232/232L (B- or better); corequisite or prerequisite: NRSNG 300/300L (B- or better). Must be taken concurrently with NRSNG 335.* Students apply concepts, principles, theories, and skills in the nursing care of well, acutely ill and high-risk pregnant women and their families in the hospital and community settings. Students are exposed to a wide variety of clinical skills gaining beginning practice in planning and facilitating nursing care for pregnant women and their families.

NRSNG 336 NURSING CARE OF CHILDREN AND FAMILIES (3) *Prerequisites NRSNG 220, 225/225LW, 232/232L (B- or better); corequisite or prerequisite: NRSNG 300/300L (B- or better).* This course applies the nursing process to the care of well, acutely and chronically ill, and special needs children and their families within the context of their environment. Emphasis is on anatomical, physiological and developmental differences among neonates, infants, children and adolescents that influence care. Theory, research, evidenced-based practice and critical thinking are foundations.

NRSNG 336L NURSING CARE OF CHILDREN AND FAMILIES LAB (1) *Prerequisites: NRSNG 220, 225/225LW, 232/232L (B- or better); . corequisite or prerequisite: NRSNG 300/300L (B- or better). Must be taken concurrently with NRSNG 336.* Students apply concepts, principles, theories, and skills in the nursing care of well, acutely or chronically ill children and families. In hospital and community settings, students are exposed to a wide variety of clinical skills gaining beginning practice in planning and facilitating nursing care for children and their families.

NRSNG 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

NRSNG 397 INDEPENDENT STUDY IN NURSING (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue

individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

NRSG 341 MEDICAL SURGICAL NURSING I (3) *Prerequisites: NRSG 220, 225/225LW, 232/232L (B- or better).* This course focuses on care of the adult individual who is experiencing an acute illness. Students integrate the nursing process as preparation for care of individuals in acute care settings. The student functions in a variety of roles and partners with health team members to provide appropriate care to assigned clients.

NRSG 341L MEDICAL SURGICAL NURSING I LAB (2) Six-hour clinical laboratory must be taken concurrently with NRSG 341.

NRSG 342 MEDICAL SURGICAL NURSING II (3) *Prerequisites: NRSG 300/300L, 341/341L (B- or better).* This course focuses on care of individuals and families with alterations in health. Students explore the impact of illness on individuals and families in home health and community-based settings. In addition, students examine the influence of political, economic, and social factors on the delivery of home health care.

NRSG 342L MEDICAL SURGICAL NURSING II LAB (2) Six-hour clinical laboratory must be taken concurrently with NRSG 342.

NRSG 398 SPECIAL TOPICS IN NURSING (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

NRSG 399 INTERNSHIP IN NURSING (1-12) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator; and supervising faculty prior to registration.* A limited number of internships are available that allow junior and senior nursing majors to have additional opportunities to work in an agency setting under direct supervision. (See "Internships.")

NRSG 402W PROFESSIONAL NURSING SEMINAR (2) *Prerequisites: ENGL 111W-112W or ENGL 223W; senior standing.* The student examines historical, legal, ethical, and economic factors which impact contemporary nursing practice. Students explore ways nursing professionals can impact health care delivery and policy, and analyze selected issues relevant to contemporary nursing. Strategies for transition from the role of student to professional nurse are emphasized.

NRSG 410W CLINICAL MANAGEMENT AND RESEARCH PROJECT (3) [Writing Enriched] *Prerequisites: ENGL 111W-112W or ENGL 223W, NRSG 335/335L, 336/336L, 342/342L, 412 (B- or better).* In this course, students examine their roles as leaders and managers in a variety of health care settings. Concepts such as organizational theory, leadership style, change, time management, finance, quality improvement, and conflict resolution are discussed. Teaching strategies emphasize the use of student teams and computer technology to complete course objectives.

NRSG 412W NURSING RESEARCH AND EVIDENCE BASED PRACTICE [Writing Enriched] (2) *Prerequisites: ENGL 111W-112W or ENGL 223W, NRSG 335/335L, 336/336L, 342/342L (B- or better); corequisite or prerequisite: STAT 222 (C or better).* In this course students are introduced to evidence based practice and the research process in nursing. Content focuses on critically evaluating research evidence and applying it to nursing problems. Students develop the beginning skills in critiquing evidence through quantitative and qualitative methodologies.

NRSG 418 COMMUNITY HEALTH AND PSYCHIATRIC MENTAL HEALTH NURSING (3) *Prerequisites: NRSG 335/335L, 336/336L, 342/342L (B- or better).* Students expand the use of the nursing process with a focus on health promotion/disease prevention as it relates to psychiatric-mental health and community nursing. Students explore the use of evidenced based practice through the use of research studies to promote health for individuals in the psychiatric-mental health and community settings.

NRSG 418L COMMUNITY HEALTH AND PSYCHIATRIC MENTAL HEALTH NURSING LAB (2) *Prerequisites: NRSG 335/335L, 336/336L, 342/342L (B- or better).* This is a six hour laboratory

experience encompassing community health and psychiatric mental health settings. It must be taken concurrently with NRS 418. The roles and activities of the nurse will vary depending on the agency and population served.

NRS 419 SYNTHESIS PRACTICUM (3) *Prerequisites: NRS 412,418/418L, 420, 428/428L (B- or better); corequisite: NRS 410 (B- or better); corequisite or prerequisite: NRS 402 (B- or better).* This course emphasizes the synthesis and application of concepts, principles, and skills learned in prerequisite nursing courses. Students are given the opportunity to have intensive clinical experiences in selected clinical settings. Clinical experience is directed by faculty and supervised by clinical preceptors in a variety of settings.

NRS 428 CARE OF ADULTS WITH COMPLEX ILLNESSES (3) *Prerequisites: NRS 335/335L, 336/336L, 342/342L (B- or better).* This course prepares students to provide care to adults with moderate to severe alterations in health. Critical thinking is incorporated into written and verbal communications as students synthesize knowledge and integrate a variety of nursing skills.

NRS 428L CARE OF ADULTS WITH COMPLEX ILLNESSES LAB (2) Six-hour clinical laboratory must be taken concurrently with NRS 428.

PHILOSOPHY COURSES (PHIL)

PHIL 200W INTRODUCTION TO PHILOSOPHY [Writing Enriched] (3) *Corequisites or prerequisites: ENGL 111W-112W or ENGL 223W.* This course examines traditional philosophy problems with readings from major works in the history of Western philosophy. The basic principle of logic and major approaches to ethical decision-making are important parts of the course.

PHIL 201 INTRODUCTION TO LOGIC (3) This beginning course focuses on aspects of valid and invalid reasoning. Topics include definition, fallacious argumentation, the various uses to which language may be put, and elementary deduction.

PHIL 204 INTRODUCTION TO ETHICS (3) This course introduces moral philosophy and several applications to the problems of present-day living.

PHIL 214W GREEK PHILOSOPHY [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W, and PHIL 200W or 204.* This introduction to Greek philosophy focuses primarily on Plato and Aristotle.

PHIL 215 MEDIEVAL PHILOSOPHY (3) *Prerequisite: PHIL 200W or 204.* Philosophical themes of the Middle Ages are related to the Neoplatonic and Aristotelian traditions as they influenced major thinkers of the period. Topics include wisdom as the goal of inquiry; the relation between faith and reason; the existence of God; the nature of humanity; and the immortality of the soul.

PHIL 216 MODERN EUROPEAN PHILOSOPHERS (3) *Prerequisite: PHIL 200W or 204.* This study of seventeenth- and eighteenth-century European philosophers includes Descartes, Locke, Berkeley, Hume, and Kant.

PHIL 217 CLASSIC AMERICAN PHILOSOPHERS (3) *Prerequisite: PHIL 200W or 204.* This course is an analysis of the philosophy writings of major American philosophers from the Pragmatic and Idealistic schools including Charles Sanders Peirce, William James, and John Dewey.

PHIL 220 ART, TRUTH, AND VALUE (3) *Prerequisite: PHIL 200W or 204.* An introduction to the philosophy of the fine arts, this course includes an examination of various definitions of art, discussions of the value of art to society, and an analysis of emotions found in the esthetic experience.

PHIL 221 MEANING AND EXISTENCE (3) *Prerequisite: PHIL 200W or 204* This course examines the existential nature of human beings as they encounter and search for meaning in existence. Topics for discussion include such existential themes as authenticity, guilt, personal freedom, and the meaning of death. Course readings include the writings of theistic and atheistic existentialists.

PHIL 222W GOD, FAITH, AND EVIL (3) *Prerequisites: ENGL 111W-112W or ENGL 223W, and*

PHIL 200W or 204. This course examines philosophical problems relating to religious faith.

PHIL 223 ETHICAL ISSUES IN BUSINESS (3) *Prerequisite: PHIL 200W or 204.* This course examines moral issues related to business, including conflicts of interest, the social responsibility of corporations, affirmative action, and preferential treatment.

PHIL 224 ETHICAL ISSUES IN MEDICINE (3) *Prerequisite: PHIL 200W or 204.* This course analyzes moral issues related to the areas of health care such as informed consent, abortion, physician-patient relationship, and the just distribution of health care.

PHIL 225 ENVIRONMENTAL ETHICS (3) *Prerequisite: PHIL 200W or 204.* An introduction to ethical issues and approaches concerning environmental studies. Topics to be addressed include the application of moral theory to various significant environmental issues, ethical treatment of animals, private ownership versus the common good, public policy and environmental concerns, and justice to current and future generations of humans.

PHIL 305 PHILOSOPHY OF SCIENCE (3) *Prerequisite: PHIL 200W or 204.* This introduction to the philosophy of science includes a study of the concepts of the empirical sciences, their methods and procedures, and their philosophical implications.

PHIL 306 KNOWLEDGE AND REALITY (3) *Prerequisite: PHIL 200W or 204.* This examination of the nature of knowledge places emphasis on the distinction between knowledge and belief, different types of knowing, the problem of skepticism, the role of perception in knowledge, and the nature of truth.

PHIL 313 SYMBOLIC LOGIC (3) *Prerequisite: PHIL 200W or 204.* This beginning course in symbolic formal logic introduces students to the formalization of arguments and the formal nature of deduction.

PHIL 314W THE MIND AND BRAIN [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W, and PHIL 200 or 204.* This course is an examination of various theories of what the mind is and its relation to the body. Concepts such as consciousness, belief, sensation, perception, and desire are discussed.

PHIL 315W THE PHILOSOPHY OF LAW [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W, and PHIL 200W or 204.* This course is an examination of various theories of what a legal system is. Attention is given to a number of related issues including the role of morality in the formation of a legal system, legal justice, the proper limits of state authority over an individual citizen's autonomy, and theories of punishment.

PHIL 330W LAW ENFORCEMENT AND MORALITY (3) *Prerequisites: ENGL 111W-112W or ENGL 223W, and PHIL 200W or 204.* This course focuses primarily on the philosophical issues inherent in law enforcement. Included are different views of the justification of the state's power to coerce, the duty to enforce unjust laws, rights against the state and the limits of those rights, victimless crimes, strict liability, types of punishment, fairness and proportionality in the application of punishment, and the bearing of developments in medical and psychological sciences on the notion of criminality.

PHIL 377 STUDY ABROAD (3) *Prerequisite: Consent of instructor.* This course provides students with the opportunity to study individual philosophers and various philosophical traditions in foreign settings.

PHIL 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

PHIL 397 INDEPENDENT STUDY IN PHILOSOPHY (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

PHIL 398 **SPECIAL TOPICS IN PHILOSOPHY (1-3) [credit depends on topic]** *Prerequisite:* *A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

PHIL 400W **THESIS GUIDANCE (3) [Writing Enriched]** *Prerequisites:* *ENGL 111W-112W or ENGL 223W, PHIL 200 or 204, and senior standing.* Supervision of senior thesis. Topic to be decided by student with approval of advisor.

PHYSICS COURSES (PHYS)

PHYS 131 **PHYSICS OF SPORTS (4)** The main goal of the course is to learn how to apply basic physics to the sports world. Learning how a scientist models the real world and conceptual understanding will be emphasized more than rigorous mathematical derivations. Project development will occupy the majority of the laboratory portion of the course. A proficiency in algebra and trigonometry is required to be successful in this course.

PHYS 141 **COLLEGE PHYSICS I (4)** Three hours lecture and two hours laboratory. Designed for students majoring in the natural sciences, this course will cover classical mechanics, properties of matter, waves, sound, and thermodynamics. A proficiency in algebra and trigonometry is required to be successful in this course.

PHYS 142 **COLLEGE PHYSICS II (4)** *Prerequisite:* *PHYS 141 or 161.* Three hours lecture and two hours laboratory. Designed for students majoring in the natural sciences, this course will cover electricity, magnetism, optics, and modern physics. A proficiency in algebra and trigonometry is required to be successful in this course.

PHYS 161 **PHYSICS I (4)** *Prerequisite:* *MATH 103 or concurrent enrollment in MATH 103.* Three hours lecture and two hours laboratory. This course is a calculus-based survey of classical physics, providing a background for persons who intend to use physics as a base for the physics major or for other science disciplines. The first semester introduces students to Newton's laws including their application to statics and dynamics; to momentum and energy and their respective conservation principles; to rotational and angular quantities; and to oscillations, waves, and fluids.

PHYS 162 **PHYSICS II (4)** *Prerequisite:* *MATH 103, 104 (or concurrent enrollment in MATH 104), PHYS 141 or 161.* Three hour lecture and two hours laboratory. This continuation of a calculus-based survey of classical physics introduces students to basic electromagnetic theory and optics.

PHYS 181 **ASTRONOMY: THE SOLAR SYSTEM (4)** Three hours lecture and two hours lab. Basic overview of the properties of the planets, satellites, and minor members of the solar system. No prior experience in astronomy is required. Course meets the general education laboratory science requirement.

PHYS 182 **ASTRONOMY: THE UNIVERSE (4)** Three hours lecture and two hours lab. Basic overview of current: knowledge about the universe beyond the solar system. No prior experience in astronomy is required; course meets the general education laboratory science requirement.

PHYS 211 **PHYSICS III (4)** *Prerequisite:* *MATH 211 (or concurrent enrollment in MATH 211) and PHYS 162.* Three hours lecture and three hours laboratory. Topics include thermodynamics and what is called traditionally "modern physics." This latter topic is a study of twentieth century developments in physics including an introduction to condensed matter physics, relativity, atomic physics, radioactivity, wave-particle duality, and nuclear processes. Symbolic mathematical software is also introduced.

PHYS 302 **PHYSICS IV (4)** *Prerequisites:* *MATH 211, PHYS 211. Corequisite:* *MATH 301.* Three hours lecture and three hours laboratory. This course prepares physics majors for the study of physics at the intermediate and advanced levels. We introduce and develop the following: new mathematical methods of physics, computational techniques, laboratory skills, and scientific writing. The aforementioned skills will be developed in the course theme of vibrations and waves, a topic that touches every area of science and one that is seen again and again in physics.

PHYS 309 **CLASSICAL MECHANICS (4)** *Prerequisite: PHYS 302.* Three hours lecture and one-hour problem session. This course introduces the study of kinematics, particle dynamics, central forces and planetary motion, and rigid-body motion. The Lagrange and Hamilton formulations of mechanics are also introduced.

PHYS 312 **ELECTROMAGNETIC THEORY (4)** *Prerequisite: PHYS 302.* Three hours lecture and three hours laboratory. This course introduces students to DC and AC circuits, electrostatics and magnetostatics in free space and materials, Maxwell's equations, boundary conditions, and electromagnetic waves.

PHYS 318 **QUANTUM MECHANICS (4)** *Prerequisite: PHYS 302.* Three hours lecture and one-hour problem session. This course introduces the methods of quantum theory. The Schrodinger approach is developed and is applied to the hydrogen atom, angular momentum, scattering theory, time-independent perturbation theory, and other topics.

PHYS 333W **COMPUTATIONAL PHYSICS [Writing Enriched] (4)** *Prerequisites: ENGL 111W-112W or ENGL 223W, PHYS 302.* Three hours lecture and one-hour problem session. This course develops the application of higher mathematics and the computer to the analysis and simulation of realistic physical systems. Topics covered typically include finite-difference approximations, Fourier analysis, Fourier transforms, Fast Fourier transforms, numerical integration, applications of Monte Carlo methods, solutions of differential equations, numerical solutions of Laplace's equation, and the application of matrix methods.

PHYS 355 **ELECTRONICS (2)** *Prerequisite: PHYS 333W.* One hour lecture and three hours laboratory. This course introduces students to microcontroller electronics. Students will learn how to use advanced circuit elements such as diodes, photoresistors, potentiometers, thermistors, transistors, and relays. Students will also gain experience in developing software to interface with hardware.

PHYS 387 **DOMESTIC STUDY AWAY (3)** Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

PHYS 397 **INDEPENDENT STUDY IN PHYSICS (1-4)** *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

PHYS 398 **SPECIAL TOPICS IN PHYSICS (1-4) [credit depends on topic]** *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

PHYS 432 **OPTICS (4)** *Prerequisite: PHYS 312.* Three hours lecture and three hours laboratory. A study is made of the properties of electromagnetic waves, particularly in the visible spectrum. Wave descriptions of scattering, reflection, interference, diffraction, and polarization are developed. The course also treats aspects of geometrical optics, including lenses and lens defects.

PHYS 436 **STATISTICAL THERMODYNAMICS (4)** *Prerequisite: PHYS 302.* Three hours lecture and one-hour problem session. Microscopic analysis of the physical world is developed using statistical methods. Macroscopic thermodynamics is then developed from microscopic results. More formal ideas of classical statistical thermodynamics, including the partition function, are then studied. Quantum statistical mechanics is also introduced.

POLITICAL SCIENCE COURSES (POLI)

POLI 111-112 **THE QUEST FOR JUSTICE I, II (3, 3)** A sequence of readings and discussions develop the student's grasp of the basic issues that underlie the political dynamism of Western society. Special emphasis is given to the moral and philosophical dimensions of these issues and their relationship to current

political questions and the concerns of other academic disciplines. Reading, class discussions, and written assignments are drawn from classic works in politics, economics, philosophy, and literature.

POLI 207 **COMPARATIVE POLITICS (3)** An introduction to political cultures and systems around the world, with emphasis on political behavior, competing ideologies, government institutions, and historical roots and contemporary manifestations of societal conflicts and divisions. Issues of political development, continuity and change will be addressed throughout the course, with brief case studies used to explore the above concepts more in depth.

POLI 220 **THE AMERICAN POLITICAL EXPERIENCE (3)** Students will explore the American constitutional order and political system in terms of two questions: what does the American government do? What should it do? This exploration will be conducted through the critical analysis of literature, primary historical sources, significant government documents, and social science research.

POLI 221 **AMERICAN POLITICAL CULTURE (3)** *Prerequisite: INTL 101, POLI 111, or 112.* This course is a survey and critique of the meanings attributed to various aspects of the American constitutional order and the politics associated with it. Classic American literature including fiction and non-fiction, films, primary historical sources, significant government documents, and social science research are assigned to promote student debate and discussion of each aspect of the course.

POLI 253 **CLASSICAL POLITICAL THOUGHT (3)** *Prerequisite: INTL 101, POLI 111, or 112.* This course is a study of the leading classical and medieval political thinkers including Plato, Aristotle, and Augustine with emphasis on reading and discussing their works.

POLI 254 **MODERN POLITICAL THOUGHT (3)** *Prerequisite: INTL 101, POLI 111, or 112.* This course is a study of the leading modern political thinkers including Machiavelli, Hobbes, Locke, Rousseau, and Marx with emphasis on reading and discussing their works.

POLI 257 **CAMPAIGNS, ELECTIONS, AND PROPAGANDA (3)** *Prerequisite: INTL 101, POLI 111, or 112.* This course reviews the place of elections in American constitutional order as the principal mode of citizen participation and of campaigns to influence those elections. Particular attention is given to contemporary reliance on paid advertising, including direct mailing and television, and questions of campaign finance and corruption. Critical attention is directed to the replacement of public policy debate by the images and rhetoric of celebrity culture.

POLI 258 **STATE AND LOCAL GOVERNMENT AND POLITICS (3)** *Prerequisite: INTL 101, POLI 111, or 112.* An examination of the use of governmental power influences daily life in often unrecognized ways and how that power is exercised by administrators. Particular attention will be given to situations that appear to display breakdowns in policy or in its execution, and on conflicting values of democratic political practice and administrative effectiveness.

POLI 259 **POWER, THE STATE, AND BUREAUCRACY (3)** *Prerequisite: INTL 101, POLI 111, or 112.* An examination of how the use of governmental power influences daily life in often unrecognized ways and how that power is exercised by administrators. Particular attention will be given to situations that appear to display breakdowns in policy or in its execution and on conflicting values of democratic political practice and administrative effectiveness.

POLI 260 **HONOR AND TERROR POLITICS: SOUTH ASIA (3)** *Prerequisite: INTL 101, POLI 111, or 112.* This course is a survey of contemporary political and governmental processes and institutions of southern Asia with particular attention given to the colonial legacy, post-independence political institutions, the processes of political evolution, the role of religion in politics, and foreign policy responses to big-power rivalry in the region.

POLI 265 **GROWLING TIGERS, FIERY DRAGONS: THE ASIA PACIFIC (3)** *Prerequisite: INTL 101, POLI 111, or 112.* This course offers a survey of the political traditions and contemporary political practice of major East Asian societies including those of China, Japan, and Korea. The primary focus is a comparison of contemporary political development, government institutions, domestic issues, and foreign policies within and among the countries of the region.

POLI 275 **LATIN AMERICAN POLITICS (3)** *Prerequisite: INTL 101, POLI 111, or 112.* An analysis of the political systems of Latin America, this course examines political development from the colonial period to the present as well as the principal actors of the Catholic Church, the military, labor, and political parties. Study of links between politics and economic underdevelopment and the influence of the United States in the region are included. The history and future of democracy in the region are considered.

POLI 283 **EUROPEAN UNION POLITICS (3)** *Prerequisite: INTL 101, POLI 111, or 112.* This course analyzes the governmental structures and politics in France, Germany, and other European nations. Attention is also given to European organizations such as NATO, the European Union (EU), and the reforming political systems in southern and eastern Europe. Students participate in a simulation of the European Union. There is a field trip fee associated with this course.

POLI 285 **EUROPEAN UNION LEADERSHIP (1)** *Prerequisites: POLI 283 and permission of instructor.* The course offers an in-depth exploration of the functions, institutions, and decision-making procedures of the European Union. The emphasis will be on a realistic representation of members of the major institutions and bodies of the EU: the Commission, the European Council, and the Council of Ministers. There is a field trip fee associated with this course.

POLI 290 **AMERICAN PUBLIC POLICY (3)** *Prerequisite: POLI 111 or 112.* This course will examine American public policy from three perspectives. First, students will explore the broad context of policy-making, including the historical, political, and economic contexts, with special emphasis placed on American federalism. Second, students will be introduced to models of the policy process, agenda setting and decision-making. Finally, students will learn about policy implementation and analysis.

POLI 296 **RUSSIA AND THE EUROPEAN NEIGHBORHOOD (3)** *Prerequisites: INTL 101 or POLI 112.* The course analyzes the political cultures, governmental institutions, and political behavior in European countries that are not members of the European Union, mostly in Eastern and Southeastern Europe, especially Russia. The emphasis is on explaining contemporary developments in this rapidly evolving region against the backdrop of long-term trends and recent transitions. Russia's growing role in the region and around the globe will be discussed.

POLI 301 **DEVELOPING WORLD (3)** *Prerequisite: INTL 101, POLI 111, or 112.* This course provides an examination of developing nations with a view toward understanding problems inherent in social, economic, and political change including the creation of nationalist sentiments, calls for democracy, improving the conditions of life, and promoting security and stability.

POLI 303 **TERRORISM AND REVOLUTION (3)** *Prerequisite: INTL 101, POLI 111, or 112.* This course is a comparative analysis of two major forms of political violence. Major revolutions of the twentieth century are the focus with particular attention to the Communist revolutions in Russia and China, the anti-colonial revolutions in Vietnam and Algeria, and the recent democratic revolutions in Eastern Europe and the former Soviet Union. Theories and explanations of terrorism are explored with attention given to the ways terrorists and the media influence each other and to various proposals for controlling terrorism.

POLI 304 **INTERNATIONAL ORGANIZATION AND WORLD POLITICS (3)** *Prerequisite: INTL 101, POLI 111, or 112.* This course examines the role of international organizations in world affairs. Study includes the United Nations, major regional political and economic organizations, and the impact of non-governmental international organizations. Current events are heavily emphasized. The course is also used to prepare students for model United Nations exercises.

POLI 306 **COMPARATIVE FOREIGN POLICY (3)** *Prerequisite: INTL 101, POLI 111, or 112.* This course investigates the development, determinants, and direction of the foreign policies of key nation-states in contemporary international relations including Russia, Germany, China, India, Japan, and the United States. The course includes simulation exercises and is used to help prepare students for participation in model United Nations activities.

POLI 311 **THE AMERICAN PRESIDENCY (3)** *Prerequisite: INTL 101, POLI 111, or 112.* This course explores the formal and informal powers of the American presidency in the American constitutional system. Students examine presidential elections; White House relationships with Congress, the public, the media, the courts, and the bureaucracy; and the practice of presidential leadership at home and abroad.

POLI 312 MONEY AND POWER: CONGRESS AND INTEREST GROUPS (3) *Prerequisite: POLI 111, 112, or 220.* This course will examine the constitutional foundation and historical development of Congress, with emphasis on institutional aspects of Congress, and the role of Congress in the legislative process, and electoral politics. The history of interest group politics, the effect these groups have on the legislative process, and the impact of these groups on democracy will also be treated.

POLI 321W POLITICAL SCIENCE RESEARCH METHODS [Writing Enriched] (3) *Prerequisites: , and POLI 220.* This junior-level course prepares students to write their senior theses. Required of all political science majors, the course examines how disciplined political knowledge (political science) is developed and reported. Students learn to develop and test hypotheses, prepare research designs, collect data, and use statistical analysis.

POLI 325-326 CONSTITUTIONAL LAW IN THE UNITED STATES (3, 3) *Prerequisite: INTL 101, POLI 111, or 112.* This course sequence is a survey of constitutional interpretation by the U.S. Supreme Court using the case method. The structure and powers of the American governmental system will be treated during the first semester. The second semester is devoted to the study of individual rights.

POLI 331-332 NATIONAL MODEL UNITED NATIONS I, II (3, 2) *Prerequisites: INTL 101, POLI 111, or 112, and permission of the instructor.* This course provides a survey of the United Nations and of the designated UN member state assigned for representation at the National Model United Nations in New York, by preparing students in an Experiential Learning course, with researching the assigned country's history, economics, politics and foreign policy, while learning UN policymaking procedure, negotiation, writing, debating and caucusing skills. There is a field trip fee associated with this course.

POLI 362 RECENT POLITICAL THOUGHT (3) *Prerequisite: INTL 101, POLI 111, or 112.* This course examines some of the leading political thinkers of the twentieth century in order to understand the difficulties that may stand in the way of achieving justice in the political sphere. We will examine how justice may be achieved within a liberal political order; how the demands of justice impact the family; whether justice can be confined to the political sphere, or whether it must apply also within the private; and possible limitations of liberal democratic conceptions of justice.

POLI 372W UNITED STATES FOREIGN POLICY [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W, and INTL 101, POLI 111, or 112.* This course examines the distinctive heritage of the United States in foreign affairs, the strengths and weaknesses of American foreign policy-making processes, and the means at the disposal of policymakers to carry out foreign policy in contemporary world affairs.

POLI 375 U. S. - LATIN AMERICAN RELATIONS (3) *Prerequisite: INTL 101, POLI 111, or 112.* An examination of relations between the countries of Latin America and the United States, this course considers the historical influence of the United States on Latin American countries' political, social, and economic development and how these relations have changed from Latin American independence to present-day. It includes analysis of current topics such as immigration, NAFTA, and the growing Hispanic influence within the United States society and politics.

POLI 377 STUDY ABROAD (1-6) *Prerequisite: INTL 101, POLI 111, or 112.* The course provides students the opportunity to study political science concepts, principles, and theories in foreign settings.

POLI 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

POLI 397 INDEPENDENT STUDY IN POLITICAL SCIENCE (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

POLI 398 SPECIAL TOPICS IN POLITICAL SCIENCE (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

POLI 399 INTERNSHIP (1-6) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator; and supervising faculty prior to registration.* In a small number of cases, students may earn credit for participation in an internship with a government agency, law firm, political campaign, or nonprofit organization. Limited internship opportunities are available and must be jointly directed by a faculty sponsor and the responsible agency administrator. (See “Internships.”)

POLI 410W SENIOR THESIS SEMINAR [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W, POLI 220, 321, and at least two other 300-level courses.* The senior seminar is designed to be a capstone course in which the student, utilizing substantive and methodological knowledge accumulated through previous course work, develops and tests a relevant political hypothesis or closely related set of hypotheses. The course culminates with the writing and presentation of a formal research paper.

PSYCHOLOGICAL SCIENCE COURSES (PSYC)

PSYC 103-104 GENERAL PSYCHOLOGY (3, 3) *Corequisites: PSYC 105L-106L.* Three hours lecture per semester. This course sequence provides an overview of the subfields of psychology.

PSYC 105L-106L GENERAL PSYCHOLOGY LABORATORY (1, 1) Two hours laboratory per semester. This course serves as an introduction to the laboratory techniques of psychology.

PSYC 212 INTRODUCTION TO BEHAVIOR MODIFICATION (3) *Strongly recommended: PSYC 106L.* Three hours lecture. This course studies the use of principles of learning and experimental design in the modification of a wide variety of human behaviors.

PSYC 213 PSYCHOLOGY OF EXCEPTIONALITIES (3) Three hours lecture. This course is designed to impart a basic understanding of persons with disabilities. It provides pre- service teachers with knowledge regarding disability-related laws, rules, and regulations (both state and federal), as well as definitions, causes, and characteristics of disability (all within a social-cultural, political, medical, psychological, and educational context).

PSYC 215 HEALTH PSYCHOLOGY (3) *Strongly recommended: PSYC 103-104.* Three hours lecture. This course examines the psychological, biological, and social factors involved in the promotion and maintenance of health and the prevention and treatment of illness. Students learn about the interaction of mind and body while exploring such topics as nutrition and eating disorders; cancer and heart disease; chronic illness and pain management; AIDS; smoking and alcoholism; and stress and coping.

PSYC 230 PSYCHOLOGY OF AGING (3) *Strongly recommended: SOCI 240.* Three hours lecture. This introductory overview course examines the conceptual and theoretical approaches to the psychological aspects of aging. Personality variables and adaptive as well as maladaptive behavioral patterns are also studied.

PSYC 238 INTRODUCTION TO RESEARCH (1-3) *Prerequisite: Consent of supervising instructor.* This course provides the beginning student the opportunity to conduct lab, field, or library research under the supervision of a faculty member. Credit is dependent upon the scope of the work.

PSYC 241 DEVELOPMENTAL PSYCHOLOGY (3) Three hours lecture. Growth, development, and associated behavioral change from conception through aging are studied in this course. Psychological science majors are advised to take PSYC 341, which counts as a requirement in the major.

PSYC 243 PSYCHOLOGY OF DIVERSITY (3) *Prerequisites: PSYC 103, 104.* This course covers psychological research relating to diversity. All major sub-disciplines of psychology (cognitive, social, developmental, clinical, neuroscience, etc.) have research-based insights to offer; our goal will be to synthesize the material through a close study of primary sources in all of these sub-disciplines and integrative reviews that connect them. We will focus closely on applications of basic psychological science (paying

special attention, for example, to how psychological research informs the justice system) as well as on emerging issues (for example, the controversy over recent advances in lie detection via brain scanning).

PSYC 245W HUMAN DEVELOPMENT FROM BIRTH THROUGH ADOLESCENCE [Writing Enriched] (3) *Corequisites or prerequisites: ENGL 111W-112W or ENGL 223W.* This course is intended for and required for students pursuing licensure in elementary, secondary, and special education programs. Skills in this area (from birth to adolescence) shall contribute to an understanding of the physical, social, emotional, speech and language, and intellectual development of children and the ability to use this understanding in guiding learning experiences and relating meaningfully to students.

PSYC 261 PSYCHOLOGY OF SEX AND GENDER (3) This course examines psychological approaches to the study of sex and gender. Issues of male and female psychology are examined with a consideration of ways in which the similarities and differences between men and women influence behavior, cognitive abilities, and physical and psychological health. Theoretical perspectives on sex, gender, sex-role socialization and gender differences, and similarities across the lifespan are covered.

PSYC 263 PSYCHOLOGY OF LAW (3) This course examines the application of psychological principles, research, and knowledge to legal issues dealing broadly with the interface between psychology and the law. As such, the course will critically investigate the wide range of contemporary applications of psychology to a variety of topics including understanding the origins and treatments of criminally deviant behavior, psychological autopsies, criminal profiling, jury selection, eye witness testimony, repressed memory, persuasive communication in the courtroom, child abuse investigation, competence determination, and the insanity defense.

PSYC 265 INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY (3) This course focuses on the application of psychological principles and research to a variety of human issues in industry. Research techniques applicable in the field, along with data associated with various concepts and theories, are covered. Additional topics covered are personnel selection, training and evaluation; human factors and engineering psychology; and the organizational and social context of human work.

PSYC 267 THEORIES OF PSYCHOTHERAPY (3) Students are introduced to the theories and techniques used in therapeutic interventions with individuals and groups that provide a framework for the process of psychotherapy. The course will provide a systematic, comprehensive, and balanced overview of the leading theories and techniques.

PSYC 274 STATISTICS FOR PSYCHOLOGISTS (4) Three hours lecture and two hours laboratory. This course introduces descriptive and inferential statistics with particular emphasis on applications to psychological research. A required laboratory supplements lectures.

PSYC 275W RESEARCH METHODOLOGY [Writing Enriched] (4) *Prerequisites: ENGL 111W-112W or ENGL 223W; PSYC 103/105L, 104/106L, 274.* Three hours lecture and two hours laboratory. This course examines experimental and non-experimental strategies used in psychology and other scientific disciplines. Studies are critiqued, designed, and conducted. Students are required to use the writing style of the American Psychological Association for their reports.

PSYC 302 SOCIAL PSYCHOLOGY (3) *Corequisites: PSYC 103-104.* Three hours lecture. This course analyzes the effects of others in the social environment on individual behavior. Topics include group dynamics, attitude theory, aggressive and pro-social behavior, and person perception.

PSYC 305 HUMAN MEMORY AND INFORMATION PROCESSING (3) *Prerequisites: PSYC 103/105L, 104/106L, 275.* Three hours lecture. This course focuses on current approaches to human information processing, encoding, storage, retrieval, and models of forgetting and memory storage. Laboratory exercises are computer-based and demonstrate concepts studied in class.

PSYC 306 THEORIES OF PERSONALITY (3) *Prerequisites: PSYC 103/105L, 104/106L.* Three hours lecture. A study of both the historical roots and the contemporary bases of personality theory.

PSYC 308 ABNORMAL BEHAVIOR (3) *Prerequisites: PSYC 103/105L, 104/106L.* Three hours lecture. This course looks at a variety of disturbing behaviors, as well as determining factors, symptoms, and methods of treatment.

PSYC 311 **SENSORY PROCESSES AND PERCEPTION (3)** *Prerequisites: PSYC 103/105L, 104/106L, 275.* Three hours lecture. This course examines cognitive information processing which occurs in the reception, integration, and interpretation of incoming sensory stimuli and the physiological and anatomical bases of these processes.

PSYC 312 **LEARNING AND BEHAVIOR (3)** *Prerequisite: PSYC 275.* Three hours lecture. The course focuses on a detailed analysis of data pertaining to theories of learning and to the determinants of behavior change.

PSYC 315 **DRUGS AND BEHAVIOR (3)** *Prerequisites: PSYC 103/105L, 104/106L.* Three hours lecture. The biochemical and physiological bases of drug action are presented as a basis for understanding the physiological and behavioral effects of drugs. The major classes of drugs are discussed with particular emphasis on popular drugs of abuse such as alcohol, nicotine, cocaine, and marijuana. The use of drugs in the treatment of mental disorders is also discussed.

PSYC 341W **PSYCHOLOGY OF DEVELOPMENT [Writing Enriched] (3)** *Prerequisites: ENGL 111W-112W or ENGL 223W, PSYC 274, 275.* This course in developmental psychology is intended for majors in psychology and critically examines the psychological theories and research that describe and explain human development.

PSYC 344 **COGNITIVE PSYCHOLOGY (3)** The purpose of this course is to introduce students to the major areas of cognitive psychology including the current methodologies used to study it. The course explores cognitive psychology within the domain of human information processing and the ways in which people learn and think in an attempt to understand the nature of human thought processes. Topics covered include attention, decision-making, language acquisition and use, knowledge representation, problem solving, and reasoning. Current models of cognition are considered in relation to the evidence on human thinking capabilities.

PSYC 353 **SLEEP AND CIRCADIAN RHYTHMS (3)** *Prerequisite: PSYC 104.* This course provides the basic neuroscience of sleep and how sleep affects our daily lives (e.g., physical health, emotional health, and cognition). The course will cover theories of why we dream (e.g. activation synthesis). The mechanisms of NREM and REM sleep will be discussed along with highly prevalent sleep disorders and identification of these disorders. The last part of the course will discuss research related to cognitive deficits after an acute or chronic sleep loss.

PSYC 355 **BEHAVIORAL NEUROSCIENCE (4)** *Prerequisites: PSYC 103/105L-104/106L, 275.* Three hours lecture and two hours laboratory. This course involves the study of the biological bases of behavior. The focus is on the physiological mechanisms that mediate emotional, sexual, ingestive, and aggressive behaviors, as well as on the mechanisms mediating perceptual, learning, and memory processes. Laboratory exercises complement lectures and reading materials by providing hands-on experience with research techniques used in physiological psychology that illustrate the links between physiology and behavior.

PSYC 356 **HUMAN NEUROPSYCHOLOGY (3)** *Prerequisite: PSYC 103.* This course examines the structure and function of the brain as they relate to specific psychological processes and behaviors. This course will familiarize you with functional neuroanatomy, principles of neuroscience, brain development, neurological disorders and etiologies, brain-based treatments such as ECT, medications and neurofeedback, normal and abnormal brain functioning, and neuropsychological and behavioral manifestations of neurological disorders. Students will learn how behavior and cognition are influenced by brain functioning and will apply the acquired knowledge to hypothetical clinical cases where students will identify which brain region is damaged based on behavioral and cognitive deficits.

PSYC 367W **CHILD PSYCHOPATHOLOGY [Writing Enriched] (3)** *Prerequisites: ENGL 111W-112W or ENGL 223W.* The goal of this course is to provide an overview of the field of child psychopathology. The etiology, assessment, and treatment of the major psychological disorders of childhood and adolescence will be discussed. Other topics covered include research methods, diagnosis and classification, child maltreatment, and cultural diversity.

PSYC 373 **ADVANCED METHODS: CLINICAL (1)** *Prerequisite: PSYC 275.* A two-hour laboratory focused on research in clinical psychology. Students investigate a topic of interest through aspects of

the research process that may include the design of a proposal, conducting research, analyzing information, and presenting results.

PSYC 374 ADVANCED METHODS: SOCIAL (1) *Prerequisite: PSYC 275.* A two-hour laboratory focused on research in social psychology. Students investigate a topic of interest through aspects of the research process that may include the design of a proposal, conducting research, analyzing information, and presenting results.

PSYC 375 ADVANCED METHODS: DEVELOPMENTAL (1) *Prerequisite: PSYC 275.* A two-hour laboratory focused on research in developmental psychology. Students investigate a topic of interest through aspects of the research process that may include the design of a proposal, conducting research, analyzing information, and presenting results.

PSYC 376 ADVANCED METHODS: COGNITIVE (1) *Prerequisite: PSYC 275.* A two-hour laboratory focused on research in cognitive psychology. Students investigate a topic of interest through aspects of the research process that may include the design of a proposal, conducting research, analyzing information, and presenting results.

PSYC 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

PSYC 392 PSYCHOLOGICAL ASSESSMENT (3) *Prerequisites: PSYC 103/105L, 104/106L, 308.* Three hours lecture. This study of psychological testing includes theories of test construction, the nature of psychological testing, and the kinds of tests available. General types of tests for assessment of personality, abilities/intelligence, psychopathology, and neurological functioning will be studied.

PSYC 392L INTRODUCTION TO EDUCATIONAL AND PSYCHOLOGICAL TESTS AND MEASUREMENT LAB (1) *Prerequisite or corequisite: PSYC 392.* This course will be an application of the administration, scoring, and interpretation of educational and psychological tests for diagnostic purposes.

PSYC 397 INDEPENDENT STUDY IN PSYCHOLOGICAL SCIENCE (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

PSYC 398 SPECIAL TOPICS IN PSYCHOLOGICAL SCIENCE (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

PSYC 399 INTERNSHIP (1-12) *Prerequisites: Eighteen hours of psychology exclusive of introductory psychology. Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator and supervising faculty prior to registration.* Internships occur in an agency or other institution involved in clinical services. (See "Internships.")

PSYC 401 HISTORY AND SYSTEMS OF PSYCHOLOGY (3) *Prerequisites: PSYC 103/105L, 104/106L, 275.* Three hours lecture. This course provides critical examination of historical antecedents and discernable systems of contemporary psychology. It is recommended for the senior year after considerable coursework in psychology.

PSYC 475W RESEARCH CAPSTONE I [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W, PSYC 103/105L, 104/106L, 274, 275W.* In this course, students will apply and expand their knowledge of the principles of research and begin to investigate a research question either independently or in collaboration with other students. Students will formulate a hypothesis, plan an experiment, propose that experiment, and submit their research plan to the Institutional Review Board (IRB). In addition,

students will discuss professional development topics. This course is to be taken during the final year of the program.

PSYC 476W RESEARCH CAPSTONE II [Writing Enriched] (2) *Prerequisites: ENGL 111W-112W or ENGL 223W, PSYC 103/105L, 104/106L, 274, 275W, 475.* For this continuation course, students will engage in data collection and analysis of an original research question, culminating in a formal APA style research paper. In addition, students will be expected to present their findings both within the context of the class and a local or regional conference.

RELIGIOUS STUDIES COURSES (RELG)

RELG 201W OLD TESTAMENT [Writing Enriched] (3) *Corequisites or prerequisites: ENGL 111W-112W or ENGL 223W.* This course is an introduction to literary and historical study of the Hebrew Bible/Old Testament, a collection of religious literature central in the canons of Judaism, Christianity, and Islam.

RELG 202W NEW TESTAMENT [Writing Enriched] (3) *Corequisites or prerequisites: ENGL 111W-112W or ENGL 223W.* This survey of the literature of the earliest church pays special attention to its historical development and the major themes of its teachings.

RELG 205W RELIGIONS OF ASIA [Writing Enriched] (3) *Corequisites or prerequisites: ENGL 111W-112W or ENGL 223W.* This course presents the central features of Hinduism, Buddhism, Taoism, Confucianism, and Shinto within the framework of an historical survey of the religions from early times to the present. The course includes an introductory unit that seeks to construct a descriptive definition of "religion" through a study of the religions of prehistoric peoples and contemporary indigenous peoples.

RELG 206W JUDAISM, CHRISTIANITY, AND ISLAM [Writing Enriched] (3) *Corequisites or prerequisites: ENGL 111W-112W or ENGL 223W.* This course considers those religions originating in the Near East in an historical perspective, looking at the main stages of their development. Relevant passages from the sacred writings are examined for their original meaning in their textual context and for their importance for religious faith and practice today.

RELG 207W RELIGION, BODY, AND HEALTH [Writing Enriched] (3) *Corequisite or prerequisites: ENGL 111W-112W or ENGL 223W.* How does religion affect the way society treats the human body? What role should faith play in health and medicine? What role have religious and philosophical assumptions about the body played in the development of contemporary health care? This course explores these fundamental questions. While introducing students to the analytical study of religion and religious views of the human person in relation to the sacred, this class explores the complex connections between religions, society, the human body, and health. Students will investigate a range of religious attitudes toward and practices involving the body and health, including those developed by Jewish, Christian, and Muslim traditions and some eastern traditions such as Hinduism or Buddhism. It will also investigate current issues concerning the practice of medicine in a religiously pluralistic and multi-cultural environment. Topics may include the role of prayer in healing, the right of parents to refuse life-saving treatments for minor children on religious grounds, or counseling patients about faith-based alternative medicines.

RELG 303W SEMINAR IN RELIGIONS OF ASIA [Writing Enriched] (3) *Prerequisite: ENGL 111W-112W or ENGL 223W, and RELG 201W, 202W, 205W, or 206W.* The seminar will examine texts from one of the following religions: Hinduism, Jainism, Buddhism, Sikhism or Confucianism. Selected topics will be chosen from the following: textual analysis, the relationship of religious norms to those of the modern secular state and its obligations to society; "fundamentalism"; the role of women; religious movements which spring from Eastern teachings, and Western teachings with Eastern roots.

RELG 304W SEMINAR IN ISLAM [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W, and RELG 201W, 202W, 205W, or 206W.* The seminar examines the development of Islam in seventh-century Arabia. Topics will be chosen from the following: the life and influences of Muhammad; the importance of the Qur'an (as Islam's sacred text); the Sunni and Shia split in Islam; the development of Islam as a coherent socio-religious system and the relevance of that system to the modern world; "fundamentalism;" the role of women in the Islamic world; and Islam in the United States.

RELG 305 SEMINAR IN RELIGION IN AMERICA (3) *Prerequisite: RELG 201W, 202W, 205W, or 206W.* This course provides an investigation of significant individuals, movements, institutions, and ideas of the American religious experience.

RELG 316 JESUS AND JUDAISM (3) *Prerequisite: RELG 201W, 202W, 205W, or 206W.* This seminar focuses on current New Testament research dealing with issues such as the historical Jesus and his ministry in his Jewish context; the development of early Christian thinking about Jesus; the teachings of Jesus, especially the parables; contemporary Jewish-Christian relations and dialogue concerning Jesus.

RELG 317 SEMINAR IN OLD TESTAMENT RESEARCH (3) *Prerequisite: RELG 201W, 202W, 205W, or 206W.* This seminar focuses on a selected issue in current Hebrew Bible/Old Testament and Inter-testamental research from the following topics: The Torah; the Prophets; the Wisdom Literature; the Apocrypha; the Dead Sea Scrolls; and other relevant topics that may be added.

RELG 322 CONTEMPORARY RELIGIOUS THINKERS (3) *Prerequisite: RELG 201W, 202W, 205W, or 206W.* This course critically examines the work of representative religious thinkers by close reading of their major texts.

RELG 328 SEMINAR IN RELIGIOUS ETHICS (3) *Prerequisite: RELG 201W, 202W, 205W, or 206W.* This seminar focuses on the writings of selected ethical thinkers and on specific social and moral issues in present-day society.

RELG 377 STUDY ABROAD (3) *Prerequisite: Consent of instructor.* This course provides students with the opportunity to study religious practices, ideas, and traditions in foreign settings.

RELG 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

RELG 397 INDEPENDENT STUDY IN RELIGION (1-3) *Prerequisites: Approval of faculty sponsor and school dean; sophomore, junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than nine credits.

RELG 398 SPECIAL TOPICS IN RELIGION (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

RELG 399 INTERNSHIP IN RELIGIOUS STUDIES (1-3) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator, and supervising faculty prior to registration.* Internships are open to a limited number of students and are arranged individually under the supervision of the Advisory Committee on Pre-Ministerial Education. (See "Internships.")

RELG 410W SENIOR SEMINAR [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W, and senior standing.* In this capstone course students explore issues within the study of religion and learn strategies for research culminating in the writing and presentation of a formal research paper.

SCIENCE COURSES (SCIE)

SCIE 101 PRINCIPLES OF SCIENCE I (4) Three hours lecture and three hours lab. This course provides an integrated study of science principles with an emphasis on the physical sciences (physics, chemistry, earth and space). These underlying principles help to connect knowledge of the natural world to the context of everyday life, including topical issues. Lecture and lab are integrated.

SCIE 102 PRINCIPLES OF SCIENCE II (4) Three hours lecture and three hours lab. This course is a continuation of SCIE 101, which is not necessary for enrollment in this course. This course includes an initial review of some basic physical science principles with an emphasis on the life sciences (biology, environmental, human biology). These underlying principles help to connect knowledge of the natural world to the context of everyday life, including topical issues. Lecture and lab are integrated.

SCIE 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

SCIE 397 INDEPENDENT STUDY IN SCIENCE (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

SCIE 398 SPECIAL TOPICS IN SCIENCE (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

SOCIOLOGY COURSES (SOCl)

SOCI 121 CULTURAL ANTHROPOLOGY (3) This course compares how certain universal human patterns, e.g., the family, economy, religion, education and political systems, are approached by different peoples/cultures in the contemporary world. The course specifically considers how different peoples/cultures respond to the universal crises—birth, maturation, death, the need for food and shelter, etc. Additionally this course examines how large scale, complex peoples/cultures deal with intra-cultural variation and with the existence of the different cultural groups of each which may have different patterns for resolving the universal crises named above.

SOCI 201 INTRODUCTION TO SOCIOLOGY (3) This course provides an introduction to the fundamentals of sociology including an analysis of culture, society, and personality and their relationship with one another. Attention is given to developing a sociological frame of reference that enables the student to gain a new perspective of modern society. Attention is also given to the multiple career patterns which allow for the use of sociological training.

SOCI 202 SOCIAL PROBLEMS (3) This course provides an examination of social problems within present-day society with attention directed to the strains and tensions within society and the resulting modifications.

SOCI 203 CULTURE, IDENTITY, AND CONSUMPTION (3) This course serves as an introduction to cultural studies. Students will explore the conceptual framework of cultural studies to include key concepts such as: mass culture, the culture industry, cultural production, consumption, cultural identities, representation, multiculturalism, hegemony, and postmodernism. The course will emphasize the critical analysis of the production and consumption of mass culture, interpretive strategies, and the role of mass culture in everyday life. Students should emerge from the course with an elevated level of cultural literacy and as more well-informed consumers of culture.

SOCI 209 APPLIED SOCIOLOGY (3) Applied sociologists use sociological concepts, theories, and methods in a variety of settings to work toward social change. As practitioners committed to social justice, applied sociologists work in collaboration with individuals and groups to identify and address social needs in an effort to create a more equitable society. This course focuses on the application of sociological knowledge in the three main areas of applied sociology: clinical helping processes, community organizing, and community-based research.

SOCI 214 RELIGION, SYMBOLS, AND CULTURE (3) This course examines the varied functions of religion in culture with special attention focused on the use of symbols and rituals that serve to distinguish the sacred from the profane. Students will examine the role that religion and religious institutions have had in shaping other cultural aspects of society. The course will also address varied religious social movements and highlight the construct of religious identity.

SOCI 222 SOCIOLOGY OF RACE AND ETHNICITY (3) This course examines race relations in the United States from the sociological perspective. Particular attention is paid to the social construction of race; racial conflict and inequality; white privilege; colorblind ideology; institutional racism; and the intersection of race, gender, and social class. Students will also explore racial and ethnic inequality within major social institutions such as education, work, housing, criminal justice, health care, politics, and the media.

SOCI 231 MARRIAGE AND THE FAMILY (3) The institutions of marriage and the family will be discussed in social and historical context. Research and analysis will be directed toward the strengths and weaknesses of these two primary social institutions. Topics will address the role of family members, the nature of the interactions within marriages and families, and how such experiences shape societal members over the life course.

SOCI 233 MUSIC, CULTURE, AND REPRESENTATION (3) This course offers a foray into the sociology of music wherein students will explore the multifarious cultural contexts in which music emerges and come to understand the varied functions of music in society. The course will focus on the means of production, creative process, and means of consumption with respect to music. Moreover, the course will deal with concepts central to the sociology of music to include: genres, music subcultures, authenticity, cultural resistance, co-optation, representation, stratification, cultural identities, professionalism vs. amateurism, and the relationship between music, media, and technology. A survey of genres will include: jazz, blues, rock, electronic, rap, country, soul, funk, punk, and indie. Lastly, the course will provide the student with a means to understand the various ways in which music permeates everyday life, whether as art, entertainment, background noise, or as a prop for a variety of rituals central to social life.

SOCI 245 THE INDIVIDUAL IN SOCIETY (3) In this course students examine how society affects individuals and how individuals affect society. Specific areas of study include socialization and the development of the self; personal and social identities; labeling theory and social stigma; interpersonal relationships; group processes; and the sociology of emotions. In addition, students will explore contemporary issues related to the individual in the age of social media and the digital world, such as the presentation of self in social media; the construction of digital identities and virtual selves; and social interactions within virtual environments.

SOCI 247 GENDER AND SOCIETY (3) This course introduces students to theoretical approaches in the sociological study of gender, including gender socialization; gender roles and stereotypes; the social construction of gender and gender identities; sexuality; and gendered violence. Focusing on the United States and globally, students will investigate gender and gender inequality within major social institutions, such as the family, education, work, politics, media, and sports.

SOCI 253 GLOBALIZATION AND CINEMA (3) This course examines how the cinema form became part of and helped to speed the processes linked with globalization. The course also explores how the values of any specific national culture leads to the representation of certain human types and how those values are/are not transmitted to other national cultures. The course will additionally investigate how national-culture representations do/do not become global stereotypes and how those stereotypes do/do not influence local behaviors.

SOCI 256 DEVIANCE, CRIME, AND SOCIAL CONTROL (3) The course provides a broad overview of theoretical treatments of deviance, deviant careers, and societal reaction to deviance including the formalization of deviant behavior within legal systems. Attention is given to the role of power relations in the social construction of deviance and social control. The course will entertain such topics as the medicalization of deviance, drug use, sexual deviance, religious deviance, and the simulation of deviance in popular culture and media.

SOCI 264 SOCIAL INEQUALITY AND OPPRESSION (3) With a focus on social stratification, structural inequality, and oppression, this course introduces students to the historical and theoretical foundations of understanding social inequality in a global age and provides students with opportunities to

engage in critical thinking around the intersectionality of poverty, social mobility, power and politics, oppressed group statuses, and the globalization of race, class, and gender.

SOCI 267 **FAMILY VIOLENCE: A SOCIOLOGICAL PERSPECTIVE (3)** Family Violence will be presented from a sociological perspective. Its various forms (i.e., intimate partner violence, violence against children, violence against women, violence against men, and violence against the elderly) will be researched and analyzed. Discussion will also include the prevalence of violence within families along with its causes and societal consequences. Implications for future research and strategies for preventing family violence will also be explored.

SOCI 277 **SOCIAL RESEARCH METHODS AND STATISTICS (3)** *Prerequisite: SOCI 201.* Students will analyze methods and techniques employed in sociological research. Attention is given to identification and formulation of research problems, sampling, data collection and analysis, and the interpretation of findings. Students will be introduced to descriptive and inferential statistics, including the analysis of quantitative data using statistical computer software.

SOCI 339 **SOCIOLOGY OF THE SOUTH (3)** This course examines the relationship between the South and the rest of the United States. Students will apply sociological perspectives to the analysis of the South's unique history and continued role in American culture. Areas of study will include such topics as race relations, social change, media representations of the South, collective memory and memorialization, social identities, and the cultural distinctiveness of the region.

SOCI 358W **SOCIOLOGICAL THEORY [Writing Enriched] (3)** *Prerequisites: ENGL 111W-112W or ENGL 223W, SOCI 201.* This course is designed to explore the literature of both classical and contemporary sociological theory. Attention is given to the major paradigms that characterize the discipline as well as more recent trends in social thought. The course will provide a survey and critique of major classical theorists such as Marx, Durkheim, and Weber. The exploration of contemporary theory may include forays into symbolic interactionism, structural functionalism, neo-functionalism, conflict theory, critical theory, feminism, and postmodernism. Students will be required to write extensively about an original work in the discipline. In addition special attention will be paid to the application of theory.

SOCI 363 **SOCIOLOGY OF THE CITY (3)** This course provides an intensive study of the sociological issues associated with suburbanization, urbanization, and globalization as it informs social life in the city. The course examines the impact that architecture, transportation, and communication have on urban communities, social networks, and individual identities. Special attention is given to theories of place, in addition to the constructs of race, class, housing, work, and consumption.

SOCI 374 **FIELDWORK (3)** *Prerequisite: SOCI 201 and 277.* Qualitative researchers explore questions related to groups and individuals in social settings, human interactions, the meanings people attach to their experiences, and how people make sense out of the social world through the use of symbols, norms, social roles, and social structures. This course introduces students to the fundamentals of qualitative research, with a focus on field research, in-depth interviewing, focus groups, and content analysis. Students will learn how to formulate research questions, design research studies, and collect and analyze qualitative data.

SOCI 377 **STUDY ABROAD (3)** *Prerequisite: consent of instructor.* This course provides students with the opportunity to study societal institutions and social organizations' patterns in foreign settings.

SOCI 387 **DOMESTIC STUDY AWAY (3)** Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

SOCI 397 **INDEPENDENT STUDY IN SOCIOLOGY (1-3)** *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

SOCI 398 **SPECIAL TOPICS IN SOCIOLOGY (1-3) [credit depends on topic]** *Prerequisite:* *A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

SOCI 399 **INTERNSHIP IN SOCIOLOGY (1-6)** *Prerequisite:* *Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator, supervising faculty, and school dean prior to registration.* This course provides the student with a supervised work experience in a setting in which sociology is applied. Examples of work settings include, but are not limited to, advertising agencies, personnel departments in large businesses, market research firms, municipal planning offices, correctional agencies, and social service departments. Internships are developed by the student with assistance from the sociology staff and/or the internship coordinator. (See "Internships.")

SOCI 430W **SENIOR RESEARCH CAPSTONE [Writing Enriched] (3)** *Prerequisites:* *ENGL 111W-112W or ENGL 223W, SOCI 201, 277, 358, and 374.* Contemporary Issues in Sociology. This course is designed to synthesize the student's sociology program experiences. During the semester each student chooses a research topic, carries out the appropriate literature review, and designs the research method to be used to investigate the topic chosen.

SPANISH COURSES (SPAN)

All students entering the 102, 201 and 202 language levels will be required to take a placement test. The results of this test will determine the highest level of the language in which a student may enroll: i.e. 0-24 = SPAN 101, 25-40 = SPAN 102, 41-52 = SPAN 201 and 53-60 requires an oral interview to determine proper upper-level placement. Class level placement is also based upon the successful completion of the prerequisite language course at the college level, earned AP credit or by consent of the instructor.

To waive the general education requirement for SPAN 201, students must score 53 or above and pass an additional evaluation that includes an oral interview and a written component.

Work in the MLRC constitutes part of the elementary and intermediate language courses. It is designed to furnish peer language tutors for review and to teach and test listening comprehension and speaking skills, the components of which are auditory discrimination, auditory memory, pronunciation and fluency.

For students whose native language is not English, the foreign language general education requirement may be waived using the substitution waiver form based on documentation of proficiency in the native language provided to the Department of Modern and Classical Languages. In cases in which students are foreign nationals, documentation of their international student status from a country where English is not the native language is sufficient for the department to waive the foreign language requirement.

SPAN 101-102 **ELEMENTARY SPANISH (3,3)** This course sequence introduces four language skills in Spanish: listening comprehension, speaking, reading, and writing with emphasis on basic grammar and oral proficiency. Work in the language laboratory is required.

SPAN 201 **INTERMEDIATE SPANISH (3)** *Prerequisites:* *SPAN 101-102 (each student's level is determined by a placement test that is given at the beginning of the course).* This course provides a review of grammar and intensive reading and conversational practice, with emphasis on speaking, in Spanish. This course brings students to the novice high/intermediate low oral proficiency level (ACTFL Guidelines). Work in the language laboratory is required.

SPAN 202 **INTERMEDIATE SPANISH (3)** *Prerequisite:* *SPAN 201.* This course reviews fundamental principles of grammar with an introduction to Spanish and Latin American civilization through readings in contemporary prose and poetry. Emphasis is on oral practice and vocabulary building based on readings.

SPAN 205 **INTERMEDIATE SPANISH - MEDICAL (3)** *Prerequisites:* *SPAN 101-102 (each student's level is determined by a placement test that is given at the beginning of the course).* This special section of Intermediate Spanish focuses on medical and health-related terminology, contexts, and situations. The course offers practice of the same grammatical concepts and linguistic functions as in all other sections of Intermediate Spanish, but the vocabulary and correlating role-play situations and lab activities will focus on health-related situations. This course will bring students to the novice high/intermediate low conversational level (ACTFL guidelines). By taking this course, students planning for careers in health sciences fields should be better able to address the health-related social, linguistic, and cultural needs of the Hispanic

population. Work in the Modern Language Resource Center is required. This course fulfills the General Education requirement for Foreign Languages.

SPAN 206 **SPANISH FOR INTERNATIONAL AND CRIMINAL LAW (3)** *Prerequisite: SPAN 201 or equivalent.* This special section of Intermediate Spanish 202 focuses on legal terminology, contexts, and situations. This course offers practice of the same grammatical concepts and linguistic functions as in other sections of Intermediate Spanish 202, but the vocabulary and correlating role-play situations and grammar practice activities will focus on situations involving criminal and international law. This course reviews fundamental principles of grammar through readings, projects, writing assignments and mock court procedures involving situations of international and criminal law.

SPAN 208 **HISPANIC LITERATURE IN ENGLISH TRANSLATION (3)** This course focuses on selected works of the most representative authors of the twentieth century in Spain and in Spanish America and satisfies the literature requirement in general education.

SPAN 221 **ADVANCED LANGUAGE PRACTICE: CONVERSATION (3)** *Prerequisite: SPAN 202.* This course offers intensive practice in both oral and written Spanish to develop fluency and correctness expression. While this course has both writing and speaking components, emphasis will be given to developing oral fluency with grammatical accuracy in class discussions and speaking assignments based on cultural readings.

SPAN 222W **ADVANCED LANGUAGE PRACTICE: COMPOSITION (3)** *Prerequisites: ENGL 111W-112W or ENGL 223W, and SPAN 202.* This course offers intensive practice in both oral and written Spanish to develop fluency and correctness expression. While this course has both writing and speaking components, emphasis will be given to developing writing ability through frequent compositions based on cultural readings and class discussions.

SPAN 277 **STUDY ABROAD: INTRODUCTION TO THE CULTURE AND CIVILIZATION OF SPAIN (3)** This course features the study of the history, culture, and civilization of Spain and is taught in Spain as part of the summer Study Abroad Program. There is no prerequisite and is taken as elective credit.

SPAN 311 **CINEMA IN SPANISH (3)** *Prerequisite: SPAN 221 or 222.* This course will explore a particular topic in depth through the use of Hispanic films and, when appropriate, literature. Possible topics include: Hispanic gender roles, the interpretation and representation of Hispanic history, contested Hispanic cultural and political questions, and the depiction of Hispanics in current U.S. and other non-Hispanic films.

SPAN 340 **THE CULTURE AND CIVILIZATION OF LATIN AMERICA (3)** *Prerequisite: SPAN 202 or 206.* This broad introduction to Spanish American culture focuses on the geography, environmental concerns, political systems, economics, and an abbreviated history of Spanish American culture, beginning with pre-Columbian cultures. Emphasis is placed on cultural contributions including, but not limited to, art, music, film, food, and literature.

SPAN 341 **THE CULTURE AND CIVILIZATION OF SPAIN (3)** *Prerequisite: SPAN 202 or 206.* This course is a study of the cultures, history, geography, politics, society, and the economy of Spain. Although the focus for the course will be contemporary, an overview of Spanish history is necessary to understand modern Spain.

SPAN 351 **INTRODUCTION TO SPANISH LINGUISTICS (3)** *Prerequisite: SPAN 221 or 222.* This course is an introduction to the basic linguistic issues concerning the Spanish language, from the point of view of contemporary linguistics theory. It will familiarize students with the basic concepts of the principle areas of linguistics: syntax, semantics, morphology, phonetics, phonology, historical linguistics, dialectology, psycholinguistics, first and second language acquisition and sociolinguistics.

SPAN 387 **DOMESTIC STUDY AWAY (3)** Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

SPAN 377 **STUDY ABROAD (3)** *Prerequisite: SPAN 101.* This course is designed for students studying abroad in a Spanish speaking country for linguistic and cultural immersion. The course will include language instruction or cultural/literary instruction pertaining to the region where the travel takes place in order to help students gain proficiency in the Spanish language and the cultural practices of the location. This course may be taught in English or Spanish. If taught in English the course must be taken in conjunction with another Spanish course at the 102 level or above.

SPAN 397 **INDEPENDENT STUDY IN SPANISH (1-3)** *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

SPAN 398 **SPECIAL TOPICS IN SPANISH (1-3) [credit depends on topic]** *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

SPAN 399 **INTERNSHIP IN SPANISH (1-6)** *Prerequisites: Juniors and seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator, supervising faculty and school dean prior to registration.* Students may earn college credit for participation in an internship with a business firm, a government agency or a private non-profit organization; jointly supervised by the program and the responsible organization administrator. The internship is expected to provide the student with an opportunity to apply, in a practical way, some of the language skills acquired in the study of Spanish. (See "Internships.")

SPAN 441 **ADVANCED CONVERSATION AND CULTURE THROUGH SPANISH LANGUAGE RESISTANCE MUSIC (3)** *Prerequisite: SPAN340 or 341.* This course will introduce students to major resistance movements in the Spanish speaking world and the role that music has played within these movements. The course will focus on music and resistance movements from the latter half of the 20th century to the present, and students will study the song lyrics and musical strategies that have been used to combat censorship and oppression.

SPAN 442 **ADVANCED CONVERSATION AND CULTURE THROUGH DOCUMENTARY FILM IN SPANISH (3)** *Prerequisite: SPAN340 or 341.* This course focuses on helping students improve their Spanish language skills while at the same time increasing their understanding of Spanish-speaking cultures. Students view, analyze and discuss documentary films that focus on contemporary and historical themes from the Spanish-speaking world.

SPAN 460W **LITERATURE IN SPANISH: LATIN AMERICA [Writing Enriched] (3)** *Prerequisites: ENGL 111W-112W, ENGL 223W, or HONR 103, and SPAN 221 or 222.* This course includes a broad survey of Latin American literature written in Spanish from the colonial period to the present. It will include a selection of the most representative works from the Colonial period, the 19th century, as well as works from the 20th and 21st centuries in the genres of prose, poetry and drama. Students will also learn strategies for conducting literary analysis of a text in Spanish.

SPAN 461W **LITERATURE IN SPANISH: SPAIN [Writing Enriched] (3)** *Prerequisites: ENGL 111W-112W, ENGL 223W, or HONR 103, and SPAN 221 or 222.* This course includes a broad survey of Peninsular Spanish literature from the medieval period to the present. It will include a selection of the most representative works from the Middle Ages, Spain's Golden Age, the Generation of '98, as well as works from the 20th and 21st centuries in the genres of prose, poetry and drama. Students will also learn strategies for conducting literary analysis of a text in Spanish.

SPAN 470 **METHODOLOGY OF TEACHING SECOND LANGUAGES (3)** *Prerequisite: Junior or senior status.* This course is designed for students interested in teaching French, Spanish or English as a second language (ESL). The course provides a thorough introduction to contemporary theories of second language acquisition, methods of language teaching and assessment, and current issues in second language teaching. Additional work will be required for graduate credit.

SPAN 478 **HONORS THESIS (3)** *Prerequisites: Spanish majors with senior standing and consent of instructor.* This course provides supervision and guidance of an Honors Thesis. Students will write

a thesis in Spanish on a topic relating to Spanish or Latin American culture, literature or linguistics using sources originally written in Spanish, under the direction of a faculty member in Spanish. Students will also be required to present their thesis orally in a thesis defense conducted entirely in Spanish.

SPECIAL EDUCATION COURSES (SPED)

SPED 213 INTRODUCTION TO SPECIAL EDUCATION (3) This course is the first to be taken in the study of special education. It provides understanding of disability –related laws, legislative/judicial mandates, rules and regulations on the federal, state and local level. Course content will focus on knowledge of the foundation for educating students with special needs including historical perspectives, models, theories, philosophies and trends in special education. Characteristics, definitions causation, behaviors, levels of severity, age span issues, and medical aspects of the major disability groups will be discussed and demonstrated. Educational implications, ethical /cultural/environmental issues and family rights/responsibilities are also addressed.

SPED 234 CHARACTERISTICS OF DEVELOPMENTAL DISABILITIES (3) *Prerequisite: SPED 213.* This course focuses on the study of the definitions, characteristics, theories, etiology and learning/behavioral support needs of students with disabilities who are accessing the general education curriculum at K-12 school levels. Included are students with intellectual and developmental disabilities, autism, other health impairments, traumatic brain injury and multiple/physical disabilities. Knowledge of characteristics as it relates to age, levels of severity and developmental differences in all areas of functioning are studied. Additional attention is directed to causes, programs/services, current issues and future directions in the field.

SPED 330 FIELD EXPERIENCE II (SE) (1) *Prerequisites: EDUC 202, 211; Corequisite: EDUC 313.* This course provides pre-service teachers with opportunities to apply instructional skills in controlled situations under the guidance of experienced professionals. Students participate in two hours of observations and tutorial instructional activities per week in special education classrooms in local public and private schools. There will be opportunities to view the structure of general education classrooms and other instructional settings representing the continuum of special education services. Seminars and other activities will provide opportunities for analysis and reflection. This course may be retaken only once with the permission of the instructor. A grade of B- or above is required in this course before taking SPED 430. Enrollment in SPED 330 is limited to students enrolled in a teacher licensure program. This course requires a mandatory Criminal and Social Services background check conducted at the end of the prior semester at the student's expense.

SPED 331 PROGRAM DESIGN IN SPECIAL EDUCATION (3) *Prerequisites: EDUC 211, SPED 213.* This course provides training in program design for students with disabilities who are accessing the general education curriculum across the K-12 grade levels. It provides knowledge regarding IEP and Section 504 plans, inclusion with nondisabled peers, service delivery, designing classroom environments and management, adapting materials and technology. Program accommodations, placement, scheduling, grouping, curriculum development/models (both general and special education) will also be addressed.

SPED 334 CHARACTERISTICS OF LEARNING AND RELATED DISABILITIES (3) *Prerequisite: SPED 213.* This course focuses on the study of the definitions, characteristics, theories, etiology and learning/behavioral support needs of students with disabilities who are accessing the general education curriculum at K-12 school levels. Included are students with learning disabilities, emotional disturbance and behavior disorders. Knowledge of characteristics as it relates to age, levels of severity, and developmental differences in all areas of functioning are studied. Attention is directed to causes, educational needs and specialized methods/ programs/services as well as current issues and future directions in the field.

SPED 336 COLLABORATION WITH FAMILIES, EDUCATORS, AND RELATED SERVICE PROVIDERS (3) *Prerequisites: EDUC 101, 201, 202, PSYC 241, SPED 213.* Students in this course are introduced to the issues and practices of educators who deal with students with diverse learning challenges. Students learn effective collaboration strategies that will help them deal with para-educators, peer teachers, families, related service providers, and community agency staff members. Attention is given to issues such as integrated services, coordination between general and special educators, teaming, family-focused collaboration, community resources, and models of service delivery.

SPED 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

SPED 397 INDEPENDENT STUDY IN SPECIAL EDUCATION (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

SPED 398 SPECIAL TOPICS IN SPECIAL EDUCATION (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

SPED 430 FIELD EXPERIENCE III (SE) (1) *Prerequisites: SPED 330 and passing scores on Praxis Math Core and VCLA.* This course provides students with opportunities to apply instructional skills in controlled situations under the guidance of an experienced professional. Students participate in two hours of observations, tutorial, and small and large group instructional activities per week in classrooms in local public and private schools. Students have the opportunity to experience the structure and organization of general education classrooms and other instructional settings representing the continuum of special education services. On-campus and in-school seminars provide opportunities for analysis and reflection. A grade of B- or above is required in this course before student teaching. This course may be retaken only once with the permission of the instructor. Enrollment in SPED 430 is limited to students enrolled in a teacher licensure program. This course requires a mandatory Criminal and Social Services background check conducted at the end of the prior semester at the student's expense.

SPED 432W METHODS FOR READING AND ACADEMIC CONTENT [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W, and SPED 331.* This course provides the skills to develop instruction, methods, materials for individual student special needs in academic subjects including reading, language arts, math, social studies. Alternate methods/ strategies for teaching in the general education curriculum with models such as differentiated instruction, direct instruction, student directed instruction, CBA etc. will be addressed. Best practice teaching methods in the continuum of special/general services models will be adapted for students.

SPED 433 TRANSITION, LIFE SKILLS, AND COMMUNICATION (3) *Prerequisites: SPED 234, 331, 334.* This course introduces preservice teachers in special education to transitions in the life of a student with special needs. Curriculum, instruction, methods, materials and technology for helping students to learn transition, training, employment, career/independent life skills and community experiences will be addressed. Writing of IEPs, ITPs and Person Centered Plans will be practiced. Skills and strategies of communication and language in the areas of social, pragmatics and alternative/assistive technology are explored.

SPED 437 STUDENT TEACHING (SPED) (11) *Prerequisite: Completion of all major course requirements; Corequisite EDUC 448.* This course is an application of all the effective teaching skills that have been learned in course work in mental retardation. Students are assigned to one semester, full time block under the supervision of university personnel and classroom teachers where they practice their teaching skills. This course requires a mandatory Criminal and Social Services background check conducted at the end of the prior semester at the student's expense.

SPED 445 ADVANCED FIELD EXPERIENCE IN DISABILITY SERVICES (3-6) *Prerequisite: Successful completion of field experiences, minimum 2.5 GPA overall, consent of instructor for 3 credit hours and consent of dean for 6 credit hours.* This course provides a non-school placement within the disabilities community, including vocational training, case management, early intervention, related therapies, specific disabilities, and advocacy. Open only to senior students taking the non-licensure option. Application required.

SPED 464W INTRODUCTION TO ASSESSMENT IN SPECIAL EDUCATION [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W, SPED 213, 234, and 334.* This course pre-

prepares students to take an active role in the determination of eligibility for special education services within public schools. The primary focus will be directed toward the administration, scoring, and interpretation of educational and individual achievement measures.

SPORT MANAGEMENT COURSES (SPMG)

SPMG 160 SPORTS BROADCASTING (3) Basic skills are taught in video production & broadcasting with emphasis on sports, audio, video, lighting, graphics, single and multi-camera technique and operation. Students gain “hands on” experience with fundamentals, terminology, production equipment and methodology as related to the world of sports broadcasting. Theoretical foundations relating to facility and event production are also incorporated in this class.

SPMG 215 SPORT MANAGEMENT PRACTICUM (1-3) Practica are part-time work experiences in the sport industry introducing the student to the work environment and exploring particular dimensions of the sport industry. The primary purpose is introductory with observational learning and minimal practice of skills and tasks. This course may not be taken for more than three total credit hours.

SPMG 260 PRINCIPLES OF SPORT MANAGEMENT (3) This course provides a survey of current practices of sports management as they apply to amateur, professional, informational, recreational, and school-related sports.

SPMG 270W GOVERNANCE OF SPORT ORGANIZATIONS [Writing Enriched] (3) *Prerequisites: ENGL 111W-112W or ENGL 223W, and SPMG 260.* This course is designed to expose the student to various governing bodies in professional and amateur sport. Students will study the organizational structure and functions of a variety of governing entities. There will be an examination of sport as a cultural product and the relationships within sport that affect sport organizational structures with emphasis given to the dynamics of sport organizations in professional, collegiate, scholastic, recreational, and corporate settings as they relate to mission, strategic planning, and the development of human resources. This course will introduce students to the constitutions and by-laws of various agencies governing sport at the various levels. Special emphasis is placed on how governmental agencies influence and sanction sport organizations and the route of appeal of a decision by a governing body.

SPMG 275 HISTORY OF SPORT IN AMERICA (3) This course will explore the major historical and philosophical developments in sport and recreation, including interscholastic, intercollegiate, and professional sport. Students will address sport as a pervasive facet of our popular culture, as a social institution, as an arena of human activity, and as a drama; sports and cultural values and values conflict; and the relationship of sport to social change throughout American history. Students will explore the timeline of sport in America considering the rise and fall of popularity for certain sporting activities in relationship to the cultural framework at the time.

SPMG 300 SPORT IN AMERICAN SOCIETY (3) *Coerequisites: SOCI 121 or 201 and SPMG 260.* This course is a study of sport as social phenomena with discussion of issues in sports and sport-related behaviors as they occur in social and cultural contexts. It includes an introduction to sociological issues, practices, and phenomena associated with sport. This course is designed to make students aware of the impact of sport upon the American culture. Course content explores such areas as social theories, the social significance of sport in society, social problems related to sport, the interaction of sport and other social institutions (e.g., family, education, economy, politics, mass media, and religion), and international cultures and sport. Analysis of the past, present, future impact of sports on contemporary society is applied to the transformation of sport into the present commercial enterprise. Course content includes theoretical positions in the sociology of sport and the significance of viewing sport from various social perspectives.

SPMG 340 SPORT FINANCE (3) *Prerequisites: ECON 201, SPMG 260.* This course is an in-depth study of financial analysis processes utilized in decision making by sport managers. The focus of the course is on basic principles of micro-economics, business structures in sport organizations, basic tools of financial management, e-commerce, sources of revenue, and stadium finance. As an introduction to the fundamentals of finance as it relates to the sport industry, students are introduced to financial statement analysis, the time/value of money, investments, the player’s contract, fund-raising, and the development of organizational budgets.

SPMG 350 GENDER AND SPORT: ISSUES AND CONTROVERSIES (3) *Prerequisites: junior standing and consent of instructor.* This course will expose students to obvious and subtle issues in the sport domain that contribute to different opportunities and experiences for males and females. The history of men's and women's participation patterns with American sport activities will be presented. There will be an exploration of the portrayal of the sporting images within the popular media that help shape the meanings of masculinity and femininity in America. In addition, the concepts of competitiveness and success will be explored with emphasis on the application to what this means for men and women. The issue of race/ethnicity on gender definition will be pursued as it is expressed in sport.

SPMG 353 SPORTS LAW (3) *Prerequisites: SPMG 260 and junior standing.* This course introduces legal principle application to a variety of sports settings. Issues related to risk management, individual rights of athletes and employees, and gender are explored.

SPMG 368 SPORTS FACILITIES AND EVENT MANAGEMENT (3) *Prerequisites: MGMT 260, SPMG 260.* This course focuses on the development of personal skills and competencies in the management and maintenance of movement and sport facilities and management of sport and physical performance events.

SPMG 370 SPORT PROMOTIONS AND MARKETING (3) *Prerequisites: MKTG 209, SPMG 260.* This course will compare and contrast the field of sport marketing with the practices and applications of mainstream marketing. The course will examine the application of marketing principles with the sport industry. Topics will include SWOT analysis, market segmentation, distribution, packaging, promotion, positioning, and pricing. This course explores the marketing process relative to sports in collegiate, recreational, commercial, and professional environments. Include in this study are market research techniques, pricing, promotional developments and strategies, identifying target markets, and advertising. This class builds on the general principles of marketing by discussing the unique aspects of sport marketing and applying marketing concepts to sport as a product and the promotion of sports activities. This course is designed to assist students in understanding and appreciating the multifaceted components of sport marketing, including sport consumer behavior, promotion, sponsorship and licensing, and media relations.

SPMG 377 STUDY ABROAD (3) This course focuses on sport management issues for spectator and participative sport events and facilities across the global sport environment. The student will be afforded the opportunity to observe and experience sport settings through travel excursions in foreign countries.

SPMG 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

SPMG 397 INDEPENDENT STUDY IN SPORT MANAGEMENT (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

SPMG 398 SPECIAL TOPICS IN SPORT MANAGEMENT (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline or prior consent of instructor.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

SPMG 415 INTERNSHIP IN SPORT MANAGEMENT (1-12) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator, and supervising faculty prior to registration.* This course offers a professional internship with an appropriate sport industry organization/program. The student and faculty sponsor will agree upon the location and responsibilities of the intern. The number of credits will depend upon the nature of the project and the number of hours involved in the project. (See "Internships.")

SPMG 420 **SPORT ETHICS AND CURRENT ISSUES (3)** *Prerequisites: PHIL 101, SPMG 260, and junior standing.* This course will explore the concepts of ethical decision-making processes as applied to issues found in sport settings. Areas such as fair play, equitable opportunity, exclusive membership policies, health and wellness concerns, and others will be explored. In particular, students will be exposed to concepts of morality and theories of ethical thought while developing a personal philosophy of social responsibility and professional codes of ethics. This course will focus on the ethical issues impacting sport organization policy formation and practice. Topics include moral and ethical development theories, models of ethical analysis, code of professional ethics, personal and management values, and situational analysis. Specifically, students explore critical issues related to professional ethics, rights and responsibilities

SPMG 441 **MANAGEMENT AND ADMINISTRATIVE PROCESSES IN FITNESS AND SPORT (3)** *Prerequisites: MGMT 260, SPMG 260.* This course involves a study of the management and administration procedures utilized in sport programs. Competency development in personnel, business and finance, and risk management is emphasized.

STATISTICS COURSES (STAT)

STAT 222 **CONCEPTS OF STATISTICS (3)** This is an introductory statistics course without a calculus prerequisite. Topics include probability, samples, distributions, sampling theory, estimation, hypothesis testing, two-sample tests, Chi-square and contingency tables, regression and correlation, analysis of variance, and decision theory.

STAT 300 **DATA SCIENCE AND APPLIED STATISTICS (3)** *Prerequisite: STAT 222.* Introduction to computing environments and statistical packages, descriptive statistics, basic inferential methods (confidence intervals, chi-square tests); linear models (regression and ANOVA models -- specification and assumption, fitting, diagnostics, selection, testing, interpretation); design and analysis of experiments.

STAT 302 **INTRODUCTION TO STATISTICAL INFERENCE (3)** *Prerequisite: STAT 222.* The purpose of this course is the development of basic theory and methods of statistical inference. Topics include sampling distributions, general techniques of statistical inference (point estimation, confidence intervals, tests of hypotheses), methods of inference on one or more means (one-sample, two-sample, many samples - one-way analysis of variance), inference on proportions, simple linear regression and non-parametric methods.

STAT 333 **MATHEMATICAL STATISTICS (3)** *Prerequisites: MATH 104, 311.* This course provides a theoretical background and an introduction to statistics by examining the topics of graphical displays and statistical measures, random samples, sampling distributions, expected value, the Central Limit Theorem, properties of the methods to determine point estimates, probability distributions (e.g., normal, t, F, Chi-squared), confidence intervals, hypothesis testing, Type I and II errors, the power of tests, determining sample sizes, correlation, simple and multiple linear regression and analysis of variance.

STAT 387 **DOMESTIC STUDY AWAY (3)** Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

STAT 397 **INDEPENDENT STUDY IN STATISTICS (1-3)** *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

STAT 398 **SPECIAL TOPICS IN STATISTICS (1-3)** *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

STAT 399 **INTERNSHIP IN STATISTICS (1-12)** *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator, and supervising faculty prior to registration.* Students may earn college credit for participation in an approved internship, jointly supervised by the program and the responsible organization administrator. The internship is expected to provide the student with an opportunity to apply, in a practical way, some of the mathematical and statistical skills acquired.

STAT 400 **STATISTICAL METHODS (3)** *Prerequisite: STAT 333.* Basic statistical methodology: exploratory data techniques, estimation, inference, comparative analysis by parametric, nonparametric, and robust procedures. Analysis of variance, multiple comparisons, and categorical data, simple and multiple, linear and nonlinear regression, analysis of covariance, measures of fit regarding multiple regression models, omnibus F-test, incremental F-test.

STAT 451 **SENIOR DATA SCIENCE PROJECT (3)** *Prerequisites: Senior standing and minimum of three STAT courses 300-level or higher.* This course serves as a capstone for those students with a major in Statistics. The student does an intensive study of a topic of his/ her choice under a supervising professor. This study must involve a synthesis of available material on the topic including (but not limited to): traditional books, journal articles, and web-based materials. The student must write a research paper on the topic and present it to a faculty committee.

THEATRE COURSES (THEA)

THEA 101 **INTRODUCTION TO THEATRE ARTS (3)** This course provides an introduction to all areas of theatre including acting, directing, design, and history, focusing on the role of the audience and performer and emphasizing the collaborative nature of theatre. The course includes lecture, discussion, and a scene project and is recommended for students who have had little participatory experience in theatre.

THEA 102 **INTRODUCTION TO TECHNICAL THEATRE AND DESIGN (3)** This course offers an introduction to the theatre organization, the theatre facility and its equipment, and to the basic design and visual environments of the stage. A study of materials, equipment, and techniques used in the construction of scenery is included.

THEA 120 **INTRODUCTION TO DANCE (3)** This beginning course in dance for the musical theatre stage focuses on basic foundations and techniques in ballet and jazz. Syntheses of these styles will be placed into basic musical theatre choreography.

THEA 123 **VOICE AND DICTION (3)** This course includes physical and vocal exercises, as well as the organization, preparation and execution of a variety of oral presentations. A persuasive speech is the culminating project. This is not a course for the identification and correction of chronic vocal problems, dialect reduction, or for the practice of English as a second language.

THEA 131 **FUNDAMENTALS OF ACTING (3)** This course presents concepts and exercises that set an actor in motion physically, verbally, and emotionally, leading to character development and scene study. This is an active, participatory course focusing on physical and vocal exercises, improvisation, and performance projects.

THEA 202 **TECHNICAL THEATRE (3)** A study of materials, equipment, and techniques used in the construction and finishing of scenery, this course also includes principles of drafting, lighting, sound, and special effects.

THEA 211 **THEATRE HISTORY AND LITERATURE I (3)** This course is a study of the great literary works of the theatre and their historical context during the major periods of the Greek, Roman, Medieval, and Renaissance eras.

THEA 212W **THEATRE HISTORY AND LITERATURE II [Writing Enriched] (3)** *Prerequisite: ENGL 111W-112W or ENGL 223W.* This course is a study of the great literary works of the theatre and their historical context during the major periods of the late seventeenth century to the present.

THEA 225 INTERMEDIATE DANCE (3) *Prerequisite: THEA 120.* Focusing on the creative process, group work and performance, this course expands on the techniques learned in THEA 120 incorporating ballet, jazz, and musical theatre techniques and beginning choreographic techniques that will conclude with the opportunity for student choreography.

THEA 232 SCRIPT AND CHARACTER ANALYSIS (3) *Prerequisite: THEA 131.* This course provides a variety of methods for analyzing plays, scenes, and characters. Course work includes oral reports and performance projects.

THEA 240 STAGE COMBAT (3) This course is a basic overview of violence for the stage and film. The course will involve analysis and interpretation of violence in scenes, plays and film. Students will be instructed in hand-to-hand combat, rapier and dagger, and broadsword techniques for use in theatrical productions and films.

THEA 250 STAGE MAKEUP (3) This course is an exploration of the techniques of stage makeup including traditional, corrective, old age, facial hair, prosthetics, and fantasy characters. It includes color theory, facial anatomy, and character analysis. Learning activities involve lectures, demonstrations, and studio participation. Students must purchase a make-up kit.

THEA 260W MUSICAL THEATRE HISTORY AND LITERATURE (3) *Prerequisites: ENGL 111W-112W or ENGL 223W.* This course is a study of the great literary works of the American musical theatre and their historical contexts from the mid-nineteenth century to the present.

THEA 275 MUSICAL THEATRE TECHNIQUE (3) An overview of the musical theatre genre, including the study and practice of singing, dancing, acting, style, interpretation, and audition techniques.

THEA 311 DIRECTING (3) *Prerequisite: Theatre major, THEA 131, THEA 232 and consent of instructor.* This study of the director's function in staging and producing plays for schools and community organizations includes script analysis and interpretation, production organization, and communication with actors. The final project involves the direction of a one-act play, from casting through rehearsal and performance.

THEA 315 ADVANCED ACTING (3) *Prerequisite: THEA 131, 232.* This course is a continuation of THEA 232 and includes a study of advanced performance techniques and theatrical career preparation.

THEA 325 ADVANCED DANCE (3) *Prerequisite: THEA 225.* Focusing on the creative process, group work and performance, this course will engage the student in advanced ballet, jazz, or musical theatre techniques, and may include the opportunity for student choreography.

THEA 330 DRAFTING FOR THE THEATRE (3) *Prerequisite: THEA 202.* An overview of drawing and drafting for the theatre. This will include practical and theoretical practices used in all areas of design.

THEA 331 SCENE DESIGN (3) *Prerequisite: THEA 202.* This course is an introduction to the theory, esthetics, and practice of scenery design for the theatre. It includes the study of line and form for visual presentation in ground plans, elevations, and three-dimensional models. Learning activities include lecture, discussion, individual projects, and CAD applications.

THEA 333 LIGHTING DESIGN (3) *Prerequisite: THEA 202.* This course is an introduction to the theory, esthetics, and practice of lighting design for the theatre and includes study of lighting instruments, electricity, and control systems. Learning activities include lecture, discussion, individual projects, and CAD applications.

THEA 335 SCENIC PAINTING (3) *Prerequisite: THEA 202.* This is an introductory course in the art and craft of scenic painting. Students will learn: a scenic painting vocabulary, color theory, color mixing, gridding, cartooning, textures, surfaces, and numerous brush (painting) techniques. Learning activities include lecture, discussion, individual and group projects, and realized production painting.

THEA 340 THEATRE MANAGEMENT (3) *Prerequisites: THEA 131, 202.* This course is an introduction to the economic and managerial aspects of American theatre, specifically professional resident theatre and non-professional educational and community theatre. Topics include the physical theatre plant, finances, public relations, audience development, box office procedures, and house management.

THEA 350 ADVANCED STAGE MAKEUP (3) *Prerequisite: THEA 250.* The study of advanced stage makeup techniques to include but not limited to prosthetics, beards and mustaches, hair and wigs, and nonrealistic makeup.

THEA 377 STUDY ABROAD (3) This course allows students the opportunity to explore theatre in the international community. Students will read plays, examine playwrights, and gain knowledge of the theatrical heritages and current trends generating from particular countries. During excursions, students will be immersed in theatrical performance by participation in workshops, academies, and other experiential activities. Students will have multiple opportunities to observe and examine theatrical performances.

THEA 387 DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

THEA 390 THEATRE AND DANCE PRACTICUM (.5 or 1) *Prerequisites: Consent of the instructor, academic advisor and school dean. Satisfactory/Unsatisfactory credit only.* May be repeated for credit. Specific assigned production responsibilities broaden a student's knowledge and practice in theatre and dance. A maximum of eight hours of practicum credit is allowed over a student's career at the College.

THEA 397 INDEPENDENT STUDY IN THEATRE (1-3) *Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing.* This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.

THEA 398 SPECIAL TOPICS IN THEATRE (1-3) [credit depends on topic] *Prerequisite: A background of work in the discipline.* This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

THEA 399 INTERNSHIP IN THEATRE (1-12) *Prerequisites: Juniors or seniors with a 2.25 minimum QPA; approval of written proposal by internship coordinator; and supervising faculty prior to registration.* This planned work experience for academic credit allows the student to explore the world of work as it relates to the student's theatre and career goals. (See "Internships.")

THEA 410 SENIOR PROJECT (3) *Prerequisites: Senior theatre majors only, consent of instructor, academic advisor and school dean.* In this capstone course, the student will complete a theatre production project demonstrating proficiency in the field. The project is designed to employ the principles stressed in upper-level theatre courses and will include research, documentation, and practical application. The body of work must be completed under faculty supervision.

ACADEMIC REGULATIONS

The student - not the advisor, parent, or guardian - is responsible for course selection, appropriate academic progress, and fulfillment of academic requirements.

Academic Degree Requirements

Bachelor Degree

To earn a baccalaureate degree from University of Lynchburg, a student must

1. Complete a minimum of 124 semester hours of study with at least 48 semester hours, including the senior year (last 33 semester hours), at University of Lynchburg. (Fifty percent of all hours applying to the major or minor must be completed at University of Lynchburg.);
2. Complete all University of Lynchburg General Education requirements;
3. Complete all University of Lynchburg Writing Enriched Program requirements;
4. Complete the requirements for a major program as outlined in the catalogue;
5. Earn a 2.00 minimum quality point average on all work taken at University of Lynchburg;
6. Earn a quality point average of at least 2.00 in the major;
7. Comply with all University standards, regulations, and procedures from the date of enrollment through the date of graduation; and
8. May not include in the 124 hours for graduation more than 12 semester hours of internship courses; six semester hours in HPE 100 level activities courses; or 12 semester hours in private music lessons.

A student may wish to satisfy specific requirements for admission to a graduate or professional school, for teacher licensure, or for a specialized program of an outside agency. These credits may be included in the 124 hours as electives or may be taken in addition to those required for graduation.

Second Degree

Candidates for a second baccalaureate degree must have earned their first degree from a college or university approved by the registrar, usually a regionally accredited college or university. A student pursuing a second degree must meet all requirements for a major and complete a minimum of 30 semester hours in residence beyond the requirements for the first degree. A comment referencing the first degree is applied to the University of Lynchburg academic record for the second-degree student. Only transfer credits applicable to the major are applied to the record. Major courses are reviewed and approved by the department chair.

Governing Catalogue

The catalogue in effect defines each student's academic regulations at the time he/she entered the University. The regulations include General Education requirements, major/minor requirements, and Writing Enriched requirements. If a later catalogue includes requirements that a student prefers, then that catalogue may be applied.

A degree-seeking student who is studying predominantly part time typically uses the catalogue in effect when junior status is reached. When study is interrupted for more than two consecutive semesters, the student becomes subject to the provisions of the most recent catalogue.

Application to Graduate

All students are required to complete an application for BA/BS degree prior to advance registration for their final year (two semesters) of enrollment to ensure that the student understands what requirements, if any, are yet to be fulfilled.

Graduation

Students are encouraged to participate in the official University commencement exercises in May. (January and August candidates are also recognized at the May commencement.) Undergraduate students needing up to 45 semester hours at the beginning of the fall semester or up to 27 hours at the beginning of the spring semester may be degree candidates for August and be allowed to participate in May commencement. The January graduation date is the Friday before official registration for second semester; the August date is the Friday following submission of the final grades for the summer session. If the graduation requirements have not been completed for a particular graduation date, students who have applied to graduate are automatically placed on the candidate list for the next graduation date.

Behavioral Standards for Learning Environments

The values and attitudes that should guide student behavior consistent with maintaining an environment conducive to learning are set forth in the University of Lynchburg catalogue and The Hornet. Responsibility and authority for maintaining order in the learning environment are assigned to faculty.

The following standards and procedures apply to all learning environments. However, each School and each instructor may have codes to specify additional standards suitable for learning environments or activities.

No student in University of Lynchburg classes, laboratories, performances, lectures, and/or organizations shall behave in any way that obstructs or disrupts the normal functioning of the environment. Such behavior includes, but is not limited to, behaviors that persistently or grossly (1) inhibit the ability of other students to learn; (2) interfere with the meaningful participation of other students; or (3) inhibit the ability of an instructor or presenter to do his/her job. Specifically, students should foster an optimal learning environment by doing the following:

- Arriving on time.
- Being seated when it is time to begin and being attentive throughout.

- Refraining from engaging in conversations with others unless participating in group activities.
- Using courteous tone when speaking.
- Refraining from leaving the event while it is in progress (except for illness or with prior approval).
- Treating others with respect.
- Refraining from eating.
- Respecting the process of discussion and group activity.
- Leaving the facility in a neat and clean condition.

Problem behavior may be identified through direct observation by a faculty or staff member or through a complaint brought by a student to a faculty or staff member.

Violations of the Behavioral Standards for Learning Environments

If an instructor believes that a student’s behavior violates the Behavioral Standards for Learning Environments policy, the instructor should take action to stop the disruption, including directing the student to cease the disruptive behavior. If the student does not comply with the instructor’s direction, or if the instructor considers the disruption to be of a more egregious nature, he/she may exercise any of the following options:

1. When deemed feasible by the instructor, he/she will initiate a private conversation with the student. At the discretion of the instructor, another member of the faculty/staff and/or the student’s academic advisor may be asked to be present for the conversation. The conversation should include
 - a. Identification of the problematic behavior;
 - b. Explanation of why the behavior is problematic;
 - c. A statement regarding expectations of future behavior; and
 - d. Explanation of the consequences of continued misconduct.

After the conversation, the instructor will create a written summary of the conversation and send copies to the student, the student’s academic advisor, and any staff member of the Academic Achievement Center responsible for monitoring the student’s progress. If a faculty/staff member was asked to be present for the conversation, a copy of the summary will also be sent to him/her.

2. If the instructor believes that a private conversation will not be effective in resolving the misconduct, he/she may call a meeting with the student and any of the following
 - The faculty member’s college dean;
 - The provost and vice president (or designee);
 - The vice president and dean of student development (or designee); and
 - The student’s academic advisor.

The meeting will address topics 1a – 1d listed above. After the meeting, the instructor and the ranking academic official in attendance will create a written summary of the meeting. Copies will be sent to the student, the student’s academic advisor, any staff member of the Academic

Achievement Center responsible for monitoring the student's progress, and any other faculty/staff members who attended the meeting.

3. The instructor may submit a written report of the problematic behavior to the Office of the Dean of Students for judicial review in accordance with policies and procedures described in the Honor and Student Conduct Codes (see "Judicial Procedures" in the student handbook).
4. If the instructor believes that the student's behavior is so disruptive as to require immediate action, he/she may require the student to leave the classroom immediately. If the student refuses to leave immediately, the instructor may summon security to escort the student from the room. After instructing the student to leave the classroom immediately, the faculty member will contact the provost and vice president to recommend a course of action, which may include
 - Dismissal from the course with a grade of "F" (The grade of "F" cannot be changed by student-initiated withdrawal.);
 - Suspension from the University (see "Academic Suspension"); and
 - Referral of the matter to the Office of the Dean of Students for judicial review in accordance with policies and procedures described in the Honor and Student Conduct Codes.

The provost and vice president (or designee) will arrange a meeting with the student, the instructor, and the instructor's college dean. During the meeting, the provost and vice president (or designee) will inform the student of the course of action deemed appropriate to address the reported disruption.

Academic Standing

Regular Standing

To maintain regular academic standing, students must achieve the quality point averages (QPA) on all work taken at University of Lynchburg shown in the table below. Students who do not maintain regular standing are placed on academic probation. Notification of academic probation is automatically included on the student's grade report.

Academic standing is determined by averaging summer grades with all preceding grades to arrive at the cumulative QPA. For repeated courses, grades earned in summer courses replace grades earned earlier and are then used to determine academic standing. Grades earned in winter term courses become part of the cumulative QPA but do not affect semester academic standings. Students who withdraw from the university or are suspended after the tenth week of the semester are assigned grades for all classes (either W or F). These grades become part of the student record and are used to determine semester and/or cumulative QPA in the same manner as if the student had completed the semester.

Academic Warning

The status of academic warning applies to any student whose quality point average for a semester is below 2.0. A student who is placed on academic warning at the conclusion of a semester is encouraged to contact his or her advisers to develop strategies for improving academic performance.

Academic Probation

Academic probation is an indication of serious academic difficulty and applies whenever a student’s cumulative quality point average falls below the minimum standards for regular standing. Students who are placed on academic probation are restricted to a course load of no more than 16 credit hours each semester until they are removed from academic probation. A student on academic probation should meet regularly with his or her academic adviser(s) and participate in the Academic Coaching Program.

**Undergraduate Degree Candidates’ Academic Standing
Based on Credit Hour and QPA Requirements**

Hours Completed and transferred	Regular Standing Cumulative QPA	Academic Probation or Academic Suspension if 2 consecutive semesters Cumulative QPA
0-18	1.00 - 4.00	0.00 - 0.99
19-36	1.60 - 4.00	0.00 - 1.59
37-54	1.70 - 4.00	0.00 - 1.69
55-72	1.80 - 4.00	0.00 - 1.79
73-90	1.90 - 4.00	0.00 - 1.89
90+	2.00 - 4.00	0.00 - 1.99

Academic Suspension

A student will be placed on academic suspension if that student’s cumulative quality point average falls below the minimum required for regular standing for two consecutive semesters.

A suspended student in the spring semester who wishes to raise his/her cumulative QPA may enroll in University of Lynchburg’s summer school following their suspension. If the student uses summer session to raise his or her cumulative quality point average to the minimum required for regular standing as defined in the above table, then that student will be eligible to enroll at the university for the fall semester. Students enrolled in summer school who are unable to raise their quality point average to the minimum required for regular standing as stipulated in the above table will be academically suspended and ineligible to appeal their suspension for fall semester. Students who enroll in the university’s summer session to improve their QPA are still eligible to appeal their suspension, and are encouraged to do so because decisions regarding appeals are made during the first summer term.

A first academic suspension is for a period of one academic semester. A second academic suspension is for a period of two academic semesters (i.e., one fall semester and one spring semester). A student who is suspended a third time for academic reasons is normally not readmitted to the university even after serving the three semester suspension.

Students placed on academic suspension receive a letter from the associate provost and dean of general studies informing them of their academic status. After serving a suspension, students wishing to return to University of Lynchburg must reapply to the University following the readmission policy. Readmission after suspension is not automatic and is contingent upon review by the Readmission Committee. To be considered for readmission, a student must document how his or her circumstances have changed and how said changes will contribute to the student's academic success. Academic success is defined as the student's persistence at and graduation from University of Lynchburg. Such review may result in denial or conditional readmission.

Regaining Regular Standing

A student regains regular standing by raising the cumulative QPA to the minimum required for regular standing as defined in the above table.

Academic Coaching Program

The Academic Coaching Program (ACP) provides individual academic support for students on academic probation. The program is mandatory for students returning from academic suspension, as well as for students who want to appeal the academic suspension ruling of the Academic Standing Committee. The program helps students succeed by helping them to develop critical skills such as time management, goal setting, organization, use of available resources, and balancing academic and social demands.

Appeal of Suspension

A student may file a written appeal of suspension to the associate provost and dean of general studies only if the student believes that extenuating circumstances make suspension unwarranted. The extenuating circumstances must be beyond the student's control and of such nature as to affect significantly the student's academic performance. Also, an academic plan that specifically addresses the extenuating circumstances and largely negates their effect on the student's academic performance must be feasible.

A student's written appeal must include the student's own statement documenting the extenuating circumstances and a specific plan for achieving the necessary academic improvements. In addition to the appeal letter, the student is encouraged to submit supporting documentation, such as relevant medical records, letters of support from faculty or staff who know the student well, or any other pertinent documentation.

Upon receipt of a written appeal, the Academic Standing Committee determines whether the extenuating circumstances described by the student meet the criteria set forth above. If so, the committee examines documentation provided in support of the appeal and the student's improvement plan for adequately addressing the extenuating circumstances and their impact on the

student's academic performance. At its discretion, the committee may also consider other information, such as the student's class attendance and participation, academic and disciplinary records, and co-curricular involvements.

Reapplication after Suspension

A suspended student may apply for readmission for an eligible following semester. If readmitted, the student returns on academic probation and must participate in the support program for readmitted students.

A student applying for readmission must demonstrate that achievement and motivation have sufficiently improved and that he/she will be able to meet the academic standards of the University.

The readmission committee includes the associate provost and dean of general studies (chair), the director of academic advising, the registrar, and the vice president and dean of student development. The entire student record is considered at re-admission.

Classification of Students

Degree Candidates

A student admitted as a candidate for the baccalaureate degree will be classified at the beginning of each semester as follows:

Freshman - a student who has not earned 25 credit hours;

Sophomore - a student with at least 25 credit hours but not more than 55;

Junior - a student with more than 55 credit hours but not more than 90;

Senior - a student with more than 90 credit hours;

Second Undergraduate Program Student - a student with a bachelor's degree who is pursuing a second degree, second major, or minor.

Non-Degree Students

A student designated as a Non-degree Student (SP) or a Visiting Undergraduate (VU) is not a candidate for a degree. Requirements specified for degree candidates do not apply to such students, but these students must be fully qualified to undertake the work for which they enroll. Continued enrollment in this status is subject to review by the provost and vice president. Non-degree students who fall below 2.00 in any semester or fail to meet criteria for continuing enrollment are subject to review by the Academic Standing Committee. These students may be subject to additional criteria for continuing enrollment or may be suspended. Please refer to the "Non-Degree Admission" section under "Admissions" for additional information.

Credit by Examination

Advanced Placement Examinations

A degree-seeking student who attains the designated score on an Advanced Placement Examination of the College Entrance Examination Board (CEEB) will be granted transfer credit. Credit by exam credits do not apply to writing enriched graduation requirements.

AP Subject Exams and University of Lynchburg Credit Awards

<u>AP Examinations</u>	<u>AP Score Required</u>	<u>Semester Hours</u>	<u>Credit Course</u>
Art History	3	6	ART 203-204
Art Studio: 2-D Design	3	3	ART Elective
Art Studio: 3-D Design	3	3	ART Elective
Art Studio: Drawing	3	3	ART Elective
Biology	3	4	BIOL101
Biology	4	4	BIOL114
Biology	5	8	BIOL113-114
Calculus AB	3	6	MATH 102-103
Calculus BC	3	6	MATH 103-104
Chemistry	3	4	CHEM 111
Computer Science A	3	3	C S 141
English Language/Comp.	4	6	ENGL 111-112
English Literature/Comp.	4	6	ENGL 111-112
Environmental Science	3	8	ENVS 101, 101L ENVS 102, 102L
French Language	3	6	FREN 201-202
German Language	3	6	GRMN 201-202
Govt./Politics: Comparative	3	3	INTL 101
Govt./Politics: U.S.	3	3	Gen. Ed. Soci. Scie.
History: European	3	6	HIST 102 + elective
History: U.S.	3	6	HIST 255-256
History: World	3	3	Elective
Human Geography	3	3	Elective
Latin	3	3	LATN 201
Macroeconomics	3	3	ECON 202
Microeconomics	3	3	ECON 201
Music Theory	3	6	MUSC 104-105
Physics I	3	4	PHYS 141
Physics II	3	4	PHYS 142
Physics C: Mechanics	4	4	PHYS 161
Physics C: Electricity/Magnetism	4	4	PHYS 162
Psychology	3	3	PSYC 103
Spanish Language	3	6	SPAN 201-202
Statistics	3	3	STAT 222

International Baccalaureate Program (IB)

University of Lynchburg awards academic credit for work completed in an International Baccalaureate program to students on an individual basis. After review, credit is generally awarded for completion of higher-level courses and achievement of 4 or above on the International Baccalaureate Examination. Credit by exam credits do not apply to writing enriched graduation requirements.

International Baccalaureate: Higher-Level IB Subject Exams and University of Lynchburg Credit Awards

<u>IB Examinations</u>	<u>IB Score Required</u>	<u>Semester Hours</u>	<u>Univ. of Lynchburg Credit Course</u>
Anthropology, Social/Cultural	4	3	SOCI 201
Biology	4	4	BIOL101
Biology	5	4	BIOL114
Biology	6	8	BIOL113-114
Business Management	4	3	MGMT 260
Chemistry	4	8	CHEM 111-112
Computer Science	4	6	C S 131 + elective
Dance	4	3	THEA 120
Economics	4	6	ECON 201-202
Film	4	3	COMM 229
Geography	4	3	INTL 213
History, Route One	4	3	HIST 101
History, Route Two	4	3	HIST 102
Information Technology	4	6	C S 100 + elective
Language and Literature	5	6	ENGL 111-112
Language B (Modern Languages)	4	6	201 -202
Literature	4	6	ENGL 201-202
Mathematics	4	3	MATH 106
Music	4	6	MUSC 100+ elective
Philosophy	4	3	PHIL 200
Physics	4	8	PHYS 141-142
Psychology	4	3	PSYC 103
Theatre	4	3	THEA 101
Visual Arts	4	3	ART 110

College-Level Examination Program (CLEP)

The College-Level Examination Program, also sponsored by the College Entrance Examination Board, enables students to establish, by examination, college credit at University of Lynchburg. CLEP provides for recognition of college-level achievement acquired outside the conventional classroom. The policy of University of Lynchburg is to award credit to individuals who achieve a score on a CLEP Subject Examination equal to the average scores on that examination of students who have earned a grade of C in a regular university course in that subject. CLEP credit will not be allowed for courses taken and failed by the student at University of Lynchburg. The amount of credit is determined by the relevant program according to the coverage of their courses. Students who wish to take one or more of these examinations should contact CLEP directly for information about testing sites. University of Lynchburg does not award credit for the CLEP General Exam. The minimum required score for all CLEP computer-based exams is 50, which represents the performance of students who earn a grade of C in the corresponding university course. Credit by exam credits do not apply to writing enriched graduation requirements.

CLEP Subject Exams and University of Lynchburg Credit Awards

<u>CLEP Subject Examinations</u>	<u>Semester Hours Credit</u>	<u>Univ. of Lynchburg Course</u>
Accounting, Financial	3	ACCT 201
Algebra, College	3	Elective
American Government	3	Gen Ed Soc Sci
American Literature	6	ENGL 201-202
Analyzing and Interp. Literature	6	ENGL Elective
Biology	4	BIOL 101
Business Law, Introduction	3	Elective
Calculus	3	MATH 103
Chemistry	4	CHEM 111
College Composition Modular	6	ENGL 111-112
English Literature	6	ENGL 201-202
French Language	6	FREN 201-202
German Language	6	GRMN 201-202
History of the U.S. I	3	HIST 255
History of the U.S. II	3	HIST 256
Human Growth and Development	3	PSYC 241
Humanities	3	Elective
Info. Systems and Computer Appl.	3	C S elective
Macroeconomics, Introduction	3	ECON 202
Management, Principles	3	MGMT 260
Marketing, Principles	3	MKTG 209
Mathematics, College	3	Gen Ed Math
Microeconomics, Intro	3	ECON 201
Psychology, Intro.	3	PSYC 103
Sociology, Intro.	3	SOCI 201
Spanish Language	6	SPAN 201-202
Western Civ. I: to 1648	3	HIST 101
Western Civ. II: 1648 to Present	3	HIST 102

DANTES Subject Standardized Tests

The Department of Defense agency known as Defense Activity for Non-Traditional Education Support (DANTES) offers a series of examinations in traditional academic areas. The policy of University of Lynchburg is to award credit, as recommended by the American Council on Education (ACE), for scores on the subject tests as specified by ACE.

Dean's List

A Dean's List of students with quality point averages of at least 3.50 and an Honorable Mention listing of all students who have earned between 3.00 and 3.49 is published each semester. These averages must be achieved on at least twelve hours in a given semester of which nine must be graded (A, B, C, D, F) hours. Any ungraded courses must have received S or P grades.

Dropping or Adding Courses

A student who wishes to drop or add a course or change to audit (i.e., attend without credit) may process a course change on-line through their MyLynchburg computer portal (valid through the Add Period of the academic term). A course change may also be processed with a Drop/Add/Audit form. The form is available from the Office of the Registrar or from the website: www.lynchburg.edu/registrar/forms.

For a change to be effective the change must be processed within the specified time periods (stated below). If illness or extenuating circumstances preclude a student from personally processing a change, the Office of the Registrar will process the change when notified in writing or by email of the request. The effective date of all changes is the date that the on-line transaction is submitted or the change form is received by the Office of the Registrar. For course drops last day of class attendance is used for the effective date.

Advisor approval is required for all student course changes processed by traditional-aged (less than 25 years of age) undergraduate students. During the Add Period course adds also require the instructor's signature for closed classes. After the Add Period all course changes require the instructor's signature.

It is a student's responsibility to attend class. A student who cannot attend class needs to withdraw from the class. Simply not attending a class does not accomplish a class withdrawal. Because student class enrollment information, including the prompt reporting of last date of attendance, is required by internal and external sources an instructor may withdraw a student from class. Following are the two ways this can occur:

- 1) A student fails to attend the first class of the term.
- 2) A student has missed so many classes and is unlikely to be able to complete the course. For example, if a student misses two weeks or more, of a normal 15 week semester, it is unlikely the student could complete the course. The faculty member can withdraw the student as part of the mid-term grading process, the final grading process, or at the point in the semester or term when the faculty member realizes that the student has stopped participating in class activities, has missed two or more weeks of class, and cannot likely complete the course. When processing the withdrawal, the faculty member must record the student's last day of attendance or participation.

Add Period - Prior to the completion of the sixth day of class of the semester, schedule conflicts should be resolved and courses added.

During First Three Weeks - Courses dropped during the first three weeks do not become part of the student's permanent record. An administrative fee of \$5 will be charged for each student-initiated section change or course add made after the Add Period. A student who wishes to audit a course (i.e., attend without credit) should apply to the Office of the Registrar. Overload fees are determined on the basis of enrollment at the end of this period.

Mid-term Grades - Faculty will review their classes at the mid-term and withdraw students who have not attended or participated in the class activities and therefore are unlikely to be able to complete the course.

After Completion of Three Weeks/Before Expiration of Ten Weeks – The grade of W will be assigned for all courses dropped during this period. A student may change from credit to audit during this period.

After Ten Weeks Until the End of the Semester - A student may not withdraw from a course or change from credit to audit during this period. After the 10th week, if a student stops participating in and attending class, a faculty member may record that the student unofficially withdrew (UW) from the class and submit a UW as a final grade. The faculty member must record the student's last day of participation or attendance. If the student is unofficially withdrawn from all classes, the University will assume that the student has unofficially withdrawn from the University unless it can document that the student completed the semester or term. If a student earns a grade in at least one course offered over the semester or term and the last date of attendance is after the 10th week, the University will assign a grade of F for the classes assigned the grade of UW. Students who withdraw from the university, or are suspended, after the tenth week of the semester will be withdrawn as of the last day of attendance.

Final Examinations

The University of Lynchburg faculty affirms the value of assessments of student learning. Thus a final examination, or other form of assessment, occurs in all courses for which such activities are deemed appropriate. Except for laboratory finals, final examinations will not be given during the final week of the semester.

In-class final examinations will be given at the scheduled examination hour. Take-home examination or final papers will normally be due at the scheduled examination hour, although an instructor may allow the work to be handed in at other times, either before or after the scheduled examination hour.

Students who have three scheduled examinations on the same day may petition the associate provost and dean of general studies to move one scheduled exam to another day. The associate provost and dean of general studies will work with the registrar and the instructors to determine which of the three examinations may most conveniently be rescheduled.

Grading System

Progress reports showing grades for all students in their first-year at University of Lynchburg, all students on academic probation, and other students whose work is below the level of C-, are issued at the middle of each semester. Final grades are given at the end of each semester to all students. Progress reports and final grades are distributed to students.

The grades used to indicate the quality of a student's work are relative, not absolute; their significance varies according to the level, the objectives, the materials, and the procedures of a given course. Instructors are guided by the following definitions in evaluating the achievement of their students:

- A** The grade of A is awarded for excellence. According to the nature of the course, the grade may indicate one or more of the following: deep and extensive scholarly mastery of the materials, genuine critical thought, clear insight into problems and understanding of values involved, notable originality and creativity, and unusual distinction in the acquisition of appropriate skills.
(Quality points per semester hour: A+, 4.0; A, 4.0; A-, 3.7)
- B** The grade of B indicates that the student's work, while not excellent, is distinguished in many ways. The work shows a depth of understanding of content and proficiency in skills, and it indicates initiative, enthusiasm, and creative thought.
(Quality points per semester hour: B+, 3.3; B, 3.0; B-, 2.7)
- C** The grade of C references a broad range of generally satisfactory work, signifies that the student has learned the basic materials and skills of the course, and that class performance is acceptable and adequate. In large classes with unselected enrollments, C would normally indicate the average attainment expected.
(Quality points per semester hour: C+, 2.3; C, 2.0; C-, 1.7)
- D** The grade of D indicates that the student's work has been acceptable in some respects but has noticeable deficiencies. It denotes that the class performance has barely met the minimum standards considered necessary for passing the course and receiving credit.
(Quality points per semester hour: D+, 1.3; D, 1.0; D-, .7)
- E** The grade of E, conditional failure, may be assigned to a student who fails a final examination or does not satisfactorily complete assigned work and where failure to achieve minimal objectives is sufficiently limited to warrant a reasonable expectation of success through re-examination or through completion of assigned work. The E counts as an F in computing the semester and cumulative quality point average until such time as it is removed. A student has until the end of the first two weeks of the following semester to remove a grade of E. If not removed within that time, an E automatically becomes an F.
- F** The grade of F signifies that the student's work is below the minimum standard and that the student has failed to pass the course. In computing quality point averages, failed courses are counted as work undertaken, but no credit and no quality points are awarded.

- I** Work Incomplete. The grade of I will be given in a course only for reasons of illness or other unavoidable conditions acceptable to the instructor. In each case, the instructor is required to report the reason for the I work and conditions for removal with the submission of course grades. All I work remaining at the end of the ensuing semester will become F unless the associate provost and dean of general studies has specifically approved an extension. I work must be removed prior to graduation.
- IP** In Progress. The grade of IP may be given in upper-level independent study courses and in certain other upper-level courses when an extension of time is justified. The student will be granted a reasonable time, not later than the end of the semester immediately following (excluding summer session), in consultation with the instructor, to remove an incomplete. Any IPs remaining at the end of that following semester will become F unless the associate provost and dean of general studies has granted an extension. IP must be removed prior to graduation.
- NG** No Grade. The grade of NG is given when a faculty member is unable to submit a grade to the registrar's office during the designated time period. The student should personally contact the faculty member for the grade.
- P/F** Pass Fail. Eligibility for P/F courses is based on
1. specific designation as P/F on course listing (University decision);
 2. elective status not being used to satisfy General Education, Writing Enriched, major, or minor requirements;
 3. junior standing;
 4. limit of two courses per semester;
 5. limit of four P/F grades; and
 6. submission of the specific form, signed by the faculty advisor, to the registrar's office by the end of the fourth week of the semester.

Students are expected to meet the same standards as graded students. A failure is recorded as an F and is computed in the quality point average. P grades are not assigned quality points but are counted in total hours.

The instructor is not told of a student's enrollment under the P/F option and reports a regular letter grade. The student may opt for the letter grade at a specified minimum level.

- S/NC** Satisfactory/No Credit. In certain designated courses in which regular letter grades are not appropriate, grades of S or NC may be given. No quality points are given for an S, but credit is earned and it is counted as work undertaken. No quality points or credit is given for an NC grade and the course is not included in hours attempted when computing QPA.

- W** Withdrew. The grade of W is given after the first three weeks and within the first ten weeks of a semester if a student drops a course with the written consent of the advisor, the instructor, and the provost and vice president of the University or the registrar. The course is not included in hours attempted when computing QPA. But the course is included in hours attempted when computing hours attempted for “Satisfactory Academic Progress for Financial Aid” (see section on Scholarships and Financial Aid). Faculty members processing the grade of W during the mid-term or final grading process must also record the last day of participation or attendance.
- UW** Unofficially Withdrew. The grade of UW is given when a student stops participating in course activities and attending class, who has not followed the University’s policy for withdrawing from a class. Faculty members processing the grade of UW during the mid-term or final grading process must also record the last day of participation or attendance. For UWs with the last day of attendance occurring prior to the 10th week, the course is not included in hours attempted when computing QPA. But the course is included in hours attempted when computing hours attempted for “Satisfactory Academic Progress for Financial Aid” (see section on Scholarships and Financial Aid). After the 10th week, if a student earns a grade in at least one course offered over the semester or term, the University will assign a grade of F for the class or classes graded UW.
- Z** Audit. The grade of Z is given to students who have registered for a course on an audit basis and who have met the professor’s attendance requirements. No credit is granted. If a student does not meet the professor’s attendance requirements, the grade of WZ is assigned.

Grade Review/Appeal a Grade

The principle of academic freedom gives an instructor broad discretion in establishing the goals for a course, specifying the criteria by which student achievement is to be assessed, and making decisions about the student’s accomplishments according to those criteria. Thus, except in unusual circumstances, an instructor’s decision about a grade may not be overruled. A student may, of course, request that his or her instructor review a grade for any required work in a course.

A student who believes a final grade is in error should first discuss the matter with the instructor. If the student fails to persuade the instructor, the student may submit a written appeal within three weeks after the grade notifications are provided by the registrar’s office to the dean of the college in which the course is listed in the catalogue. The college dean will, in turn, designate a review committee. The committee’s recommendation will be forwarded to the dean of the University who will notify the instructor and the student, in writing, of the decision. Other than the course instructor, only the provost and vice president may change a grade. (Detailed procedures are available from College deans and the Office of the Provost and Vice President.)

Honors at Commencement

Program honors include designation as Honors, High Honors, and Highest Honors in the major field. Seniors must apply to complete either (a) a research paper in the major area with an oral defense before a faculty committee of at least three members or (b) a comprehensive written and oral examination in the area judged by a faculty committee of at least three members. Qualifications for program honors include (a) a cumulative 3.5 QPA for all courses required for the major, (b) a cumulative 3.0 QPA for all courses taken, (c) a cumulative 3.0 QPA for all courses taken at University of Lynchburg, and (d) the senior year spent in residence at the University.

General Honors are designated as Cum Laude, Magna Cum Laude, and Summa Cum Laude. These refer to cumulative quality point averages of at least 3.50, 3.710 or 3.910 (or highest in the class) respectively.

Independent Studies

Independent study courses allow capable students an opportunity to pursue interests that are not otherwise available in courses for a given program. Students must have junior or senior status with a minimum QPA of 2.25. An independent study may also provide opportunity for a field experience or study trip to earn academic credit.

Special registration forms with the signature of the student, instructor, program coordinator, and associate provost and dean of general studies must be completed prior to beginning an independent study and by the end of the add period.

Internships

An internship is a planned work experience for academic credit that allows the student to explore the world of work as it relates to the student's major and career goals. Under the direction of a faculty sponsor and a qualified site supervisor, the student enters into an internship contract that establishes the goals, activities, and assessment for the internship experience. The internship office, located in the Career and Professionalism Center, provides administrative support and career planning guidance for all undergraduate interns.

The goals of the internship program are to help students

- acquire practical knowledge in a professional discipline;
- increase the use of workplace communication skills;
- clarify career interests and goals; and
- enhance productive and professional work habits.

The number of credits granted will depend on the projected number of hours to be worked, the nature of the work to be performed, and individual program requirements. Internships offered by academic programs are described in the course listings for each program. Internships that cross normal program lines or which cannot be appropriately assigned to a particular program may be taken for credit under the General Studies Internship with a faculty sponsor suggested by the internship coordinator. The General Studies Internship (G S 399) is described in the list of courses.

An internship should be approved the semester before it is to be taken. An internship application and contract must be completed prior to beginning

the internship assignment. The means of evaluation will be mutually agreed upon in advance by the intern, the site supervisor, and the faculty sponsor.

Registration for the internship cannot be completed without the application and written contract. Prerequisites are junior or senior standing with a minimum 2.25 QPA and approval of the faculty sponsor. A maximum of twelve credits may be applied toward graduation. Student interns may or may not be paid for their work. Internship credits must be earned during the term the internship is undertaken and should be registered for by the deadline specified.

A full listing of internship opportunities (local, national, and international) is available in the Career and Professionalism Center. University of Lynchburg is also affiliated with several agencies located in Washington, D.C. that can provide internships for all majors.

Leaves of Absence

Leave of Absence

A student may obtain a leave of absence from the university for personal reasons such as illness, to study abroad, or to complete an internship. To request a leave of absence for non-medical reasons, a student should speak with his/her academic advisor and submit a written request to the dean of students and the registrar's office stating the reason for the leave and the date of return. To request a medical leave of absence, a student should follow the procedures described in the section "Medical Leave of Absence."

If a leave of absence begins while a semester is in progress, grades will be assigned for that semester according to the normal policy governing withdrawal from courses. Refund of fees will be made in accordance with the refund policy.

Students granted a leave of absence do not need to apply for re-admission to the University. To ensure that their enrollment is reactivated, students on leave should register for classes for the semester they plan to return to the university at the first opportunity made available by the registrar's office. If the date of return needs to be changed, the student must submit a written request for an extension of leave to the dean of students.

Medical Leave of Absence

If a student needs to leave the university for health reasons, he/she should contact the administrative director of Health and Counseling Services at 434.544.8616 to request a medical leave of absence and to provide medical documentation supporting the request.

If a medical leave of absence begins while a semester is in progress, grades will be assigned for that semester according to the normal policy governing withdrawal from courses. Refund of fees will be made in accordance with the refund policy. Students who are academically eligible to continue enrollment for the next semester do not have to apply for re-admission; however they do need to provide medical documentation, supporting their return, to the director of Health and Counseling Services.

Military Leave of Absence

Students who are called to military service during the semester will be placed on Military Leave of Absence and receive 100 percent refund of the tuition for that semester. The room and board charges will be prorated for the time the student was in residence at the University prior to the call to military service.

Students will receive one of the following marks at the end of the semester, depending on their individual situations:

1. "I," for Incomplete;
2. a letter grade; or
3. "W," for withdrawn.

Students will normally receive a grade of "I" and the ten-week withdrawal period will be suspended. Incomplete grades will be continued beyond one semester as conditions warrant and must be completed within one year after the student returns from service.

Faculty will submit these "I" grades to the registrar, fully documenting the following:

- the individual and cumulative grades to date;
- the remaining requirements necessary for completion of the course; and
- possibilities for computation of a final grade.

A copy of this documentation should also be on file with the college dean.

For instances in which the major work of the course is completed at the time of deployment, the faculty member may provide an appropriate grade for the student.

In the case of course withdrawals, the student will receive a grade of "W".

Out-of-Residence Study

Completion of permission forms (available from the registrar's office) is required in advance for out-of-residence study. Approval of out-of-residence study must be obtained from the dean of the college offering the major toward which the out-of-residence course is to apply or by the associate provost and dean of general studies if the course will apply to general education or elective requirements. Credit will not be allowed for courses with a grade below C. Out-of-residence coursework does not affect academic probation. Upon completion of courses taken out of residence, the student must have the official transcript sent directly to the registrar's office at University of Lynchburg. Forty-eight hours applying toward a degree must be completed at University of Lynchburg. Fifty percent of all major or minor hours must be completed at University of Lynchburg.

Courses offered at University of Lynchburg are not approved for out-of-residence study during the same term at any other institution.

Part-Time Students

Part-time students have limited use of university resources. Student Health Services are available to part-time students for a fee. Part-time students do not receive campus mailboxes. Only full-time students are eligible to live

in the residence halls, to participate in varsity sports and other co-curricular activities, and to be eligible for student leadership positions. Many forms of financial aid are available only to full-time students.

Policy Regarding Class Attendance

Regular attendance, preparation for classes, and the prompt completion of assignments are obvious duties expected of students. Each instructor will inform students of the attendance policies in effect for each class. A statement about attendance policy will comprise a portion of the course syllabus.

Quality Point Averages

A student’s quality point average for a given semester is computed by dividing the number of quality points earned by the number of semester hours undertaken. The following illustrates the computation of a semester point average:

<u>Course</u>	<u>Semester Hours</u>	<u>Grade</u>	<u>Quality Points</u>
SOCI 201	3	B-	8.1
ENGL 201	3	A-	11.1
PHYS 161	4	B+	13.2
FREN 101	3	D+	3.9
HIST 101	3	A	12.0
C S 135	1	C	2.0
Total	17	(total undertaken)	50.3

Dividing the number of quality points (50.3) by the number of semester hours undertaken (17) results in a point average of 2.95.

Repetition of Courses

If a student repeats a course at University of Lynchburg, only the most recent grade will be considered in the calculation of the cumulative quality point average. Repeated courses are indicated on the grade transcript with a suffix of R on the original grade, for example: “FR,” “DR,” etc. In the event the grade of F is received in the repetition of a course previously passed, the quality points will be lost, though the previously established credit will remain. If a student fails a course more than once, the previous grades of F will be disregarded in computing the cumulative average. No additional credit may be granted for a repeated course.

Since credit is not given twice for the same course, out-of-residence repetition of a course originally passed at University of Lynchburg has the effect of increasing the hours required for graduation by that number of hours.

The above policy does not apply to courses repeated after the degree has been granted.

Residence Requirement

All degree candidates must earn at least forty-eight semester hours of credit (including fifty percent of credits for the major and minor) and must spend their senior year (last 33 credits) as regular students at University of Lynchburg, except those students who complete the fourth year of the degree pro-

gram in professional schools or who, for special reasons, are excused from the requirement by the provost and vice president of the University. Credit by examination, through CLEP and Advanced Placement, cannot be counted in the forty-eight hour residence requirement.

Semester Hours

A credit hour at University of Lynchburg is the amount of work represented in intended student learning outcomes and verified by evidence of student achievement. To maximize learning, students are expected to engage in the course material for at least 40 hours over the course of the 15 week semester for every credit awarded. One academic credit hour is traditionally accepted as 50 minutes to allow for passage to classes. This means 37.5 hours of seat time for a three credit course.

A three-credit-hour course at University of Lynchburg generally meets for periods of fifty minutes on Monday, Wednesday, and Friday or for seventy-five minutes on Tuesday and Thursday of the academic week.

Students who transfer work from an institution using the quarter system should note that the number of quarter hours is multiplied by two-thirds to calculate the equivalent number of semester hours at University of Lynchburg.

Student Academic Load

A student's academic load is normally 15 or 16 credit hours per semester. No student carrying fewer than 12 credit hours of work per semester will be classified as a full-time student. A traditional-age student from outside the Central Virginia region may not drop below 12 credit hours per semester for purposes of living off campus.

No student may take more than 18 hours of work during a semester without special permission from the director of advising or associate provost and dean of general studies. An extra charge is made for hours that constitute an overload beyond 18 hours for each semester. Overload charges are determined on the basis of enrollment at the end of the three-week drop period. Please refer to the "Expenses" section for information regarding these fees.

Withdrawal from the University

A student who withdraws from university must notify the University in writing. In extreme circumstances, the provost and vice president may withdraw the student from the University. If withdrawal occurs during the semester, a withdrawal form is available from the registrar's office. Grades will be assigned according to the normal policy governing withdrawal from courses. Refund of fees will be made in accordance with the refund policy.

ACADEMIC SERVICES AND RESOURCES

Academic Advising

The Academic Achievement Center coordinates the academic advising program. New students meet with advisors during orientation, Hornet Days, and scheduled advising sessions throughout the year. When a student declares a major (in the freshman or sophomore year), he/she is assigned an advisor in that discipline. Transfer students who have indicated their major are assigned directly to advisors in the college of their discipline. In their first year, freshmen are also assigned a Connection Leader and transfers are assigned a Link Leader, peer mentors who aid in the students' successful transition.

Advisors provide students with assistance in making decisions about academic programs, career/graduate program direction, and other matters supporting student success. Although academic advisors monitor advisees' educational progress, each student is responsible for complying with all academic requirements as listed in the catalogue and in tracking his/her individual progress to graduation. All students can find pertinent academic records, including the Graduation Progress Report (GPR), online through MyLynchburg. Students are encouraged to meet regularly with advisors or with the director of academic advising to discuss academic progress as well as short- and long-term academic goals.

Campus Store

The Campus Store, located in Drysdale Student Center, is open 10 a.m. to 5 p.m. weekdays and has extended hours at the beginning of each semester. Saturday hours during the semester are 10 a.m. to 4 p.m. For additional information on hours and special events and services, call 434.544.8239, option 1, for a voice recording of hours or visit the website at www.lynchburg.edu/student-life/campus-store.

The University of Lynchburg Campus Store offers the following services and products to the campus community: the online purchase/rentals of textbooks for enrolled students through MyLynchburg. Student/employee charge accounts and declining balance accounts may be opened on the Campus Store homepage. Purchases can be made on account at the Campus Store, Brewed Awakenings in Schewel Hall, Dominos Pizza on campus, campus post office, campus dining facilities, including On Common Ground. The Campus Store also offers school, office and health supplies, imprinted gift and clothing items and University rings. Check cashing and debit cash with purchase are available (\$100 limit for both with university I.D.). Additional services are mail order service (434.544.8241) and online web catalog at www.lynchburg.edu/student-life/campus-store. Graduation caps, gowns, degree hoods and announcements are ordered through the Campus Store.

The Campus Store provides students an option to view information about course materials for each enrolled class online at www.lynchburg.edu/studentsonline. (An active LC network password and pin are required for access to this information.) Textbook information is also available to non-enrolled students visiting the online site at lconline.lynchburg.edu/courseofferings/, then by clicking on the book icon beside each course.

Visa, MasterCard, American Express, and Discover credit/debit/check cards, University Account charge or declining balance accounts, personal checks, and cash are accepted for payment.

Career and Professionalism Center

Career and Professionalism Center offers resources, services, and counseling to assist students in the career planning process. Students are guided through decision making about academic programs, cocurricular activities, and experiential education opportunities that allow students to maximize opportunities throughout their entire university career in order to establish a foundation for lifelong career planning. Freshmen and sophomores may enroll in a career development course (GS 105) to provide a structure for the process. Students who have not declared a major or who are exploring several major possibilities are encouraged to use this course to help create a focus for their academic interests. Juniors and seniors may enroll in an advanced career development course (GS 305) to plan for their transition from university to the world of work and/or graduate school. In addition, all students can take three new courses: GS 303 Professional and Business Etiquette in the Workplace, GS 304 Resumes and Mock Interviews, and GS 306 Career Networking.

All students are encouraged to utilize Career and Professionalism Center to help prepare them for an after-university position or graduate program for which they will be well-suited. Comprehensive services available to students and alumni include career counseling, career testing, workshops, university-sponsored career fairs, research resources, on-campus interviewing, internship referral, and credentials file service.

Centers of University of Lynchburg

The Centers of University of Lynchburg provide interactive programs that support the University mission by offering unique learning opportunities for students and by strengthening the University commitment to community outreach. The Centers are interdisciplinary in nature and are oriented toward specific needs within the broader community.

Belle Boone Beard Center on Aging at University of Lynchburg

(Denise Scruggs, director) Named in honor of a 1923 alumna and former faculty member, this Center reflects the University's commitment to understanding and addressing issues of aging and needs of older citizens. The focus is on outreach, with an annual symposium and specific initiatives involving students and faculty, to support older individuals within the community.

Center for Community Development and Social Justice

(Dr. Kim McCabe, director) The focus of this Center is the enhancement of student educational experiences through service to and partnerships with the Central Virginia community. The Center involves students, faculty, and staff working with members of the local community to improve quality of life

Center for Family Studies

(Dr. Jeanne Booth, director) The primary mission of the Center for Family Studies is to offer training to educational professionals, parents, civic groups, and other audiences on a variety of issues relevant to respectful relationships, healthy family dynamics, fostering resilient youth, and essential communication skills. Center staff also work collaboratively with community organizations to provide service and consultation regarding initiatives related to the Center's mission. The emphasis in all programming is on interactive content that has relevance and direct application in everyday living. Individuals, school divisions, and other organizations interested in the Center's programming or seeking consultation may contact Dr. Booth at 434.544.8551 or booth@lynchburg.edu.

Claytor Nature Study Center

(Dr. Gregory Eaton, director) The Center occupies 491 acres in Bedford County and includes the Claytor Educational and Research facility, the Chandler Eco-Lodge, the Husted Educational Pavilion, the C. E. Richardson Laboratory Annex, the Belk Astronomical Observatory, a campground and amphitheater, the Cloverlea Farmhouse and Virginia Claytor Memorial Gardens, the Research and Demonstration Garden, the Big Otter River, two lakes, a federal wetlands reserve, and woodlands and fields. The Center offers a wide range of environmental education programs for University of Lynchburg students, K-12 students and teachers, and the broader community.

Center for Economic Education

(Rebecca Booth, '11 M.B.A., director) The Center provides training to area educators on incorporating economics within the curriculum. Workshops are provided for University of Lynchburg students and educators from throughout the region.

Donovan Center for Media Development

(Professor William Noel, director) The Donovan Center involves students, faculty, and staff in the development of media resources for non-profit agencies within the community.

Historic Sandusky

(Greg Starbuck, director) Historic Sandusky is a ca. 1808 property located near University of Lynchburg. Its mission is the enhancement of academics by providing hands-on experience for University of Lynchburg students. Through the use of Sandusky's restored house and its archaeology laboratory, museum, and historical landscapes, students are able to explore topics related to archaeology, education, history, environmental sciences, museum studies, historical interpretation, and historic site management.

Information Technology and Resources

The technology at University of Lynchburg includes a campus-wide network that connects all campus buildings including off-campus, university-owned residences. Wireless networking is provided in all academic areas and residence halls. There are more than 20 computer labs which provide ready access to course-related software, productivity software such as word processing and spreadsheets, the campus learning management system and the Internet. Each student is provided with an e-mail account and a G Suite for Education account.

Center for Global Education

Study Abroad

The mission of University of Lynchburg is to develop students with strong character and balanced perspectives and to prepare them for engagement in a global society. To this end, students at University of Lynchburg are encouraged to include study abroad as an integral part of their academic experience, earning academic credit in an international setting through study, work, or an internship abroad. While overseas, and by participating in thoughtfully designed multi-discipline programs, students discover and learn to appreciate the nature and scope of global interdependence from cultural, economic, historical, social, and political perspectives. In particular, all foreign language and international relation majors are encouraged to spend at least one summer term or one semester studying and living in another country.

University of Lynchburg offers different types of study abroad experiences: faculty-led programs, semester-long programs through outside providers, and exchange programs through partner universities. Faculty-led programs are short-term programs offered during January-term, spring break, and summer school. These programs are led by experienced University of Lynchburg faculty members. Program offerings encompass a wide range of academic disciplines including business, communication studies, economics, education, environmental science, fine arts, health promotion, international relations, Spanish, French, literature, museum studies, and political science. University of Lynchburg faculty-led programs around the world. Experiential Learning Grants are available for summer and January-term faculty-led programs and offer students a 50% reduction in tuition fees. Students should contact the Study Abroad Office (studyabroad@lynchburg.edu) for more information.

Students may also spend a semester or academic year abroad on direct exchange programs with partner schools in Austria, Canada, and South Korea or programs sponsored by outside providers such as American Institute for Foreign Study (AIFS), International Studies Abroad (ISA), Sol Education Abroad, and many other approved programs. Other study abroad options include programs sponsored by other colleges and universities, and students are encouraged to speak with staff in the Study Abroad Office to discern which program option best fits their academic and professional goals. Students who are interested in studying abroad should begin the process early by working with their academic advisor(s) and the staff in the Study Abroad Office. who advise students throughout the entire study abroad process from inquiry to

program participation, as well as upon return from their time abroad.

The University has several endowed scholarship funds for study abroad opportunities. Students studying abroad may also be eligible for federal and state financial aid. University-funded financial aid is awarded for study at University of Lynchburg only and is not available for study abroad. Students should contact the Office of Financial Aid to discuss availability of funding for study abroad programs. It is highly recommended that students should always apply for the various national-level scholarships available to assist in making study abroad as affordable as possible. Interested students should contact the Study Abroad Office for more information about these opportunities.

Information about study abroad opportunities can be obtained from the Study Abroad Office located in Hopwood Hall and from faculty who are knowledgeable about study abroad programs and opportunities.

Domestic Study Away

Domestic Study Away offers a unique opportunity for faculty and students to engage in high impact learning outside the classroom. In support of the mission and vision of the college, domestic study away courses will provide structured opportunities for comparative analysis, critical and creative thinking, and problem solving. These off-campus programs will allow students to develop their ability to interact and communicate effectively with those from another culture and background, while increasing their self-awareness through exposure to and reflection on difference. For more information, contact the director of study abroad and off-campus study (studyabroad@lynchburg.edu).

English as a Second Language

The student population at University of Lynchburg is increasingly more diverse, which includes a growing number of non-native English speakers. In supporting the English language skills for academic purposes, the University has approved the development of an English as a Second Language (ESL) program that include a series of courses, seminars, and workshops for students and faculty, both locally and from abroad. For more information on the ESL program, please contact the Study Abroad Office (studyabroad@lynchburg.edu).

International Student Services

International students bring the world to the University of Lynchburg. The Designated School Officials (DSOs) in the Center for Global Education, in collaboration with other colleagues, provide extensive support services for international students on F-1 visas who are enrolled as matriculating students at University of Lynchburg, including, but not limited to: student orientation and transition; compliance with US Department of Homeland Security; advising on immigration rules, regulations, forms, and application processes; on-an-off campus employment authorization; travel and visa application processes; health insurance; income tax filing, etc. For more information on the above and other services for international students, please contact the international student advisor (global@lynchburg.edu).

Visiting Scholars Program

The Center for Global Education collaborates with various schools and departments at University of Lynchburg and other local institutions in sponsoring visiting scholars from around the world. Visiting scholars program includes short-term professors, researchers, and exchange students on J-1 visa. For more information on the visiting scholars program, please contact the director of study abroad (visiting scholars@lynchburg.edu).

Learning Resources

A variety of learning resources are available on campus to support students' academic progress. Students are encouraged to become familiar with these resources and to utilize them fully.

Alton L. Wilmer Writing Center

The Wilmer Writing Center, located on the terrace level of Hopwood Hall, provides qualified tutors at no charge to students seeking assistance with written assignments. At the Wilmer Writing Center, students can receive help on papers at any stage of the writing process, including brainstorming, organizing ideas, using sources, and editing. Handouts on writing skills and networked computers are available as well. Writing Center services are available during specified hours each week, Sunday through Friday. Priority is given to students with appointments, but walk-ins are also welcome. The online appointment book can be found under "Online Forms" on MyLynchburg. Questions about the Writing Center should be addressed to the director, Jeremy Bryant at bryant.j@lynchburg.edu.

Individual Tutoring Lab

Individual tutors are available to work with students in a range of general education and major courses, most especially history and mathematics. Students can receive assistance with content and/or effective study strategies. Tutors offer lab hours throughout the day and evening, Sunday through Friday. Please make appointments through the "Online Forms" on MyLynchburg, and please direct any questions about individual tutoring to Dr. Edith L. Simms, the Learning Resources Specialist at simms.e@lynchburg.edu.

Modern Language Resource Center

This self-paced learning center, located in Schewel 366, provides computers, headsets, DVDs with microphones, and computer-based and CD-ROM interactive learning programs to help students reinforce their foreign language skills outside of class. Each computer has a webcam and Skype capabilities as well. Additionally, the language specific breakout rooms in the MLRC can be reserved to watch foreign language films in small groups as recommended by the faculty. French, German, Latin and Spanish tutors are also available to assist students with their assignments and test preparations and will practice conversation skills as requested. No appointment is necessary to use the computers, but appointments are strongly recommended to schedule tutoring and conversation sessions. Visit the MLRC in person or call 434.544.8312 during normal operating hours to schedule an appointment. Questions about

the MLRC should be addressed to the director, Dr. Sharon Robinson, at robinson.s@lynchburg.edu.

Peer Assisted Study Sessions (PASS)

Peer Assisted Study Sessions allow students to learn as a group outside of their scheduled classes. We offer PASS in historically difficult subjects - Accounting, Biology, Business Statistics, Chemistry, Economics, Math, and Psychology. Trained tutors attend the lectures and work with faculty to stay current with the material and lead weekly study sessions. Additionally, PASS leaders offer “drop-in hours” outside of their PASS sessions. Please direct any questions regarding PASS to Dr. Edith L. Simms, the Learning Resources Specialist at simms.e@lynchburg.edu.

Additional Academic Support Programs

Academic Coaching Program

The Academic Coaching Program (ACP) is a voluntary program designed to assist students on academic probation and students in need of additional academic support. For students returning to the university after a suspension, active participation in ACP may be part of the students’ readmission requirements. The goal of the program is to allow students to become academically successful by assisting in the development of critical skills such as time management, goal-setting, organization, use of available resources, and balancing academic and social demands. Questions about academic coaching should be sent to the program coordinator, Karen Hatter, at hatter@lynchburg.edu.

College Success Strategies (G S 104)

This course explores both the internal and external factors that contribute to college success. It reinforces basic study habits including time management, note-taking, and test preparation. GS 104 instructors also teach active reading, writing, and critical thinking skills that students can apply to other classes. Additionally, GS 104 helps students gain academic vocabulary and set academic goals. Questions about GS 104 should be sent to the Learning Resources Specialist, Dr. Edith L. Simms at simms.e@lynchburg.edu.

Get Organized (GO) Mentoring

The GO Mentoring Program provides individual, short-term, targeted assistance to students to help them develop better organizational skills, including but not limited to improved organization of their course materials and study habits, time management, priorities, connections to resources, and steps for completing a selected task. By utilizing this service, students can address their concerns in a timely manner, preventing the loss of good academic standing and motivating them to persevere through challenges. Appointments can be made with faculty, staff, or peer GO Mentors through “Online Forms” on MyLynchburg. Questions about GO Mentoring should be sent to Karen Hatter, Program Coordinator of Academic Coaching, at hatter@lynchburg.edu.

Center for Accessibility and Disability Resources

The Center for Accessibility and Disability Resources works with students who have documented disabilities to arrange for accommodations on campus. Students with cognitive, mental health, medical and physical disabilities which impact activities of daily living may qualify for services. The Center works in partnership with faculty, residence life and dining services in the approval and implementation of reasonable accommodations. Students are strongly encouraged to contact the Center as soon as the decision is made to attend the University so the process can begin as early as possible and accommodations can be implemented in a timely fashion. Visit <https://www.lynchburg.edu/academics/disability-services/> or contact timmons.j@lynchburg.edu, or call 434.544.8687 for additional information.

Library and Information Services

The Knight-Capron Library supports the learning environment at University of Lynchburg by providing information sources and services to students and faculty. By focusing on users' needs, the library staff will acquire and organize information resources to guide users toward information literacy and lifelong learning in traditional and innovative ways.

The Floyd L. Knight Memorial Library was completed in 1954 and renovated in 1969 to include the John A. Capron addition behind the original structure. The library boasts an ever-growing collection with more than 443,000 total print and electronic volumes, over 6,500 unique multimedia titles, and 98 databases providing 58,732 individual journal titles. Through cooperative arrangements with libraries nationwide students and faculty have access to nearly unlimited print and digital resources available through inter-library loan.

Unique collections within the library include:

- Saxton Room: a valuable collection of materials dealing with many subjects including the early iron industries in Europe and the United States; fifteenth- and sixteenth-century illuminated manuscripts; seventeenth- to twentieth- century maps of North America; University of Lynchburg faculty and alumni publications; the Bagby Videotape Archives; and the Christian Church (Disciples of Christ) Historical Collection for Virginia.
- University of Lynchburg Archives: the official repository for materials dealing with University history from 1903 to the present. Access to photographs and scanned documents is available on the photo-stream at: <https://www.flickr.com/photos/lynchburgcollege/>.
- Summers-Clopper Curriculum Lab: a collection of nearly 7,000 titles in children's and young adult literature, teaching resources, textbooks and kits for use by students and faculty.

A staff of engaged librarians enable students to develop competencies to identify, access, and evaluate resources in diverse formats and settings. Services are provided in many formats including individual research consultations, classroom-based instruction, and credit-bearing general studies courses: Applied Information Literacy I and II (GS111 and 112) and E-Research in the University Library (GS113), available Fall/Spring.

In addition to collections, a wide array of small group and individual study spaces, equipped with technology, are available throughout the library for student use in quiet study or collaborative efforts.

During the academic year, the library operates a total of 102 hours per week, closing at 2:00 a.m. five nights per week, with extended hours during final examinations. The adjacent computer lab is available 24/7 with outside access when the library is closed.

The Knight-Capron Library maintains a social media presence on Facebook, Flickr, Instagram, Pinterest, SnapChat, and YouTube. Access to library resources is most easily achieved through the website: <http://libraryguides.lynchburg.edu/knight-capron-library>.

First-Year Programs

Freshmen

First-Year Engagement at University of Lynchburg provides entering degree-seeking students with opportunities to make a successful transition to the University and to connect in meaningful ways with campus colleagues and the Lynchburg community. The programs include Student Orientation and Registration (SOAR), Hornet Days, the Freshman Success Seminar, as well as programs for residential and commuter students.

All incoming students are required to participate in the Student Orientation and Registration program prior to attending classes. Orientation programs are designed to help new students become acquainted with university life and campus resources, while assisting them in completing course registration. Orientation sessions are provided during the summer for students enrolling in a fall semester and in January for students enrolling in a spring semester. Separate but concurrent orientation programs are available to families and other guests of new students.

Hornet Days, a transition program occurring immediately prior to the first day of fall semester classes, provides new students with information on a variety of topics including risk prevention, social and involvement opportunities and community service, as well as providing students with a common academic experience, and student convocation, the first official ceremony of the academic year.

Additionally, the Freshman Success Seminar is a one-credit-hour elective course addressing such topics as goal setting, academic success strategies, policies and procedures, and adjustments to university life. This course is taught by student Connection Leaders who are supervised by the Director of First-Year Programs in the Academic Achievement Center.

Transfer and Access Students

University of Lynchburg offers an exclusive program to help support and guide all transfer and Access students. The program provides opportunities to transition successfully to the school academically and socially through Transfer SOAR, Access SOAR, and Hornet Days. The combination of these two programs, in addition to the Link Program, blends academics, social opportunities, and campus policies - all tools that help ease the transition to the university.

Transfer SOAR provides new transfer students with the opportunity to meet their academic advisor and Link Leader. Students also receive their confirmed class schedules, meet current University of Lynchburg students, and become acquainted with the campus facilities. Access SOAR provides new Access students the opportunity to acquire information regarding services pertinent to their success in a casual evening event. Both orientations are held in August for students who start in the fall semester. An orientation is also held in January for those who plan to start in the spring semester.

Hornet Days, held the days before fall classes begin, is designed to help students get connected to the campus community through programs that explore campus life, community service, and the role and values of a University of Lynchburg student. Access students are highly encouraged to attend these events and transfer students are required to participate.

An important component of these orientation programs is the Link Program. Each new transfer student will work with a Link Leader, a student who serves as a peer mentor. Link Leaders are trained to serve as a primary resource to help the student become acquainted with and connected to the campus community.

For additional information regarding First-Year Programs, please visit www.lynchburg.edu/new-students/first-year-programs or email orientation@lynchburg.edu.

Public Presentations

Daura Gallery

The Daura Gallery presents a wide variety of changing exhibitions and related educational programs designed to provide opportunities for learning, enjoyment, and personal growth, to complement and supplement the academic experience of students, and to encourage the interdisciplinary affiliation of the visual arts with diverse academic disciplines. The Daura Gallery serves as the University of Lynchburg museum and as primary teaching facility for the museum studies minor.

Fine Arts and Lecture Series

Each year this series, coordinated by the Office of the Associate Dean for Academic Affairs, sponsors events to complement and enhance student learning and to expand the diversity of cultural and intellectual offerings in the greater Lynchburg community. The series brings outstanding performers to campus for concerts, plays, dance presentations, and interactive events. Distinguished speakers are invited for classroom discussions, panel presentations, and keynote lectures for special events. The master calendar of events is available on the campus intranet at www.lynchburg.edu/events.xml. The following endowments support events in the arts, literature, drama, the sciences, business, religion, philosophy, and human diversity.

Elisha K. Bennett Lectureship in Personal Growth and Development: This lectureship is endowed by Elisha K. Bennett, a loyal alumnus who spent most of his adult years helping people discover their potential. It brings to the University outstanding authorities in the field of personal

growth and development with the aim of assisting students to achieve their fullest capacities. The lectureship was established by Mr. Bennett in honor of his parents, John Elisha and Mollie Edwards Bennett.

Class of 1994 Senior Symposium Lectureship: This lectureship was established in 1994 by the members of the Class of 1994 as part of their senior class gift. The income from this fund supports an annual lecture for the Senior Symposium.

Ida Wise East Memorial Lecture Fund: This lectureship in the humanities was established in 1979 by an endowment gift to University of Lynchburg from Mrs. Margaret East Nelson of Norfolk, Virginia, in memory of her mother, Ida Wise East, and in recognition of the lifelong interest of the East and Nelson families in the humanities. This fund is used to support an annual lecture, lecture series, or seminar in the humanities.

Harold Garretson Lecture: This lecture series was established in 1976 to honor Dr. Harold Garretson, a professor of chemistry at University of Lynchburg, who retired after thirty-one years of teaching. The fund provides an annual lecture on a topic appropriate for both the humanities and the sciences.

Clifton W. Potter Jr. Lectureship: This lectureship was established in 1982 by an endowment gift to University of Lynchburg from Mrs. Harold C. Turner of Waynesboro, Virginia, in honor of her son-in-law, Clifton W. Potter Jr., a 1962 graduate and a professor of history at the University. Income from this fund is used to bring guest lecturers and speakers in the fields of American and European history to the campus.

Jennie Cutler Shumate Lectureship on Christian Ministry: This endowed lectureship provides for an annual lecture on Christian ministry by a prominent minister or layperson. The purpose is to present the work of Christian ministry in an attractive and challenging way to young men and women of good character and intellectual ability. The lecture is given at the University each year on a day near March 10, the birth date of Mrs. Jennie Cutler Shumate, in whose honor the lectureship was established.

The Richard P. Gifford Endowment Lecture: The late Richard P. Gifford was a vice president for General Electric and a leader in the business, civic, educational, and religious life of the Lynchburg community. After his death, friends and business colleagues established the Richard P. Gifford Endowment in his honor and memory. The endowment helps fund the Gifford lectures, which feature outstanding executives and scholars in business, leadership, and economics.

Rosel Schewel Lecture Fund in Education and Diversity: This lectureship was established in 1991 by an endowment gift from Rosel H. Schewel '71 M.Ed., '83 Ed.S., '00 D.Ed. and Elliot S. Schewel '00 D.H.L. The Schewels are longtime members of the University's governing boards,

and Rosel Schewel taught seventeen years in the School of Education and Human Development. The income from this fund supports an annual lecture or other similar event on a topic of interest in education or human development.

Clifton L. Snidow Lectureship: In recognition of Clifton L. Snidow's deep interest in the program of University of Lynchburg and the gifts he made to the permanent funds of the University, the Board of Trustees declared that once each year a lecture known as the Snidow Lecture will be given on an appropriate theme dealing with the Christian life by an outstanding interpreter of Christianity. The Snidow Lectureship was endowed in 1987 through a generous gift from Mr. and Mrs. J. Clopton Knibb of Goochland, Virginia. The late Mr. Knibb was an attorney and a member of the Class of 1933.

Richard H. Thornton Fund: Established in 1973, the Richard H. Thornton Endowment of the English Department brings distinguished writers, journalists, and others to campus several times each year to lecture, give readings of their works, and teach courses. Students have frequent opportunities to meet, socialize, and study with these visitors. Visiting writers in past years include Ann Beattie, Denise Levertov, James Baldwin, Tennessee Williams, Truman Capote, Ellen Gilchrist, Susan Sheehan, Howard Nemerov, John Barth, Joan Aiken, and Stephen Spender. Dr. Thornton, a graduate of the Class of 1907 and member of the University's Board of Overseers, was president of the Henry Holt Publishing Company from 1932-39 and director/head of the college division at Ginn and Company Publishers from 1939-56.

John M. Turner Distinguished Chair in the Humanities: Established in 1992, this fund honors the contributions of John M. Turner Jr., Class of 1929, to his alma mater. Dr. Turner served University of Lynchburg forty-one years as professor of English, dean of the University, and vice president for academic affairs from 1933 to 1974. The funding for the chair was provided by a grant from the National Endowment for the Humanities and matched 3:1 by alumni, faculty, staff, and friends of the institution. Income from the fund provides salary support in professional development for distinguished members of the University faculty selected for a three-year term, as well as support for a yearly Turner Humanities Lecture.

Zaidee Creel Williams Lectureship: This fund was established in 1987 by an endowment gift from Austin B. Creel and other family members and friends to University of Lynchburg in memory of Zaidee Creel Williams, a 1924 graduate who taught in the public schools of Virginia, Maryland, and West Virginia. Income from this endowment is used to support a lecture program in the area of religious studies.

Music Performance Ensembles

The University of Lynchburg Percussion Ensemble (MUSC 016) performs a wide variety of literature, including works by seminal composers such as John, Cage, Steve Reich, Alan Hovhannes, Lou Harrison, and George Crumb. The ensemble, comprised of students, faculty, staff, and community members, performs challenging percussion literature for 4 to 8 players. The ensemble rehearses once each week (two hours) and is open by audition and/or permission of instructor. Students earn one academic credit hour per semester.

The University of Lynchburg Orchestra (MUSC 018) performs literature in both the classical and contemporary traditions including works by Ludwig van Beethoven, Antonin Dvorak, Igor Stravinsky, John Williams, and Hans Zimmer. The ensemble, comprised of students, faculty, staff, and community members, performs chamber and orchestral music in addition to music for LC University musicals and other music department/community events. The ensemble rehearses twice each week (three hours total) and is open by audition and/or permission of conductor. Students earn one academic credit hour per semester.

Chamber Music Ensembles (MUSC 019) are offered for interested students. Each ensemble consists of three or more students and may be student-initiated and faculty-approved or faculty formed. Each ensemble rehearses at least twice each week: once with a faculty coach and once independently. Typical chamber ensembles include (but are not limited to) piano trios, string quartets, woodwind quintets, brass sextets, guitar ensembles, or Celtic ensembles. Students earn one academic credit hour per semester.

The University of Lynchburg Jazz Ensemble (MUSC 020) performs a wide variety of jazz literature including blues, 'New Orleans' jazz, swing, be-bop, and cool jazz. The eighteen-piece ensemble, comprised of saxophones, brass, percussion, piano, and guitars, is open to interested students, faculty and staff members, alumni, and community musicians. The ensemble rehearses once each week (two hours) and is open by audition and/or permission of conductor. Membership also requires participation in the Wind Symphony (MUSC 021). Students earn one academic credit hour per semester.

The University of Lynchburg Wind Symphony (MUSC 021) performs literature in both the traditional and contemporary traditions including works by Percy Grainger, Vincent Persichetti, David Holsinger, and Stephen Sondheim. The ensemble consists of wind, string, and percussion instruments and develops technical skills, sight-reading, and musicianship. For instrumental music education majors, the Wind Symphony provides experience in organization, music selection, and program planning. The ensemble rehearses twice each week (three hours total) and is open to all students, faculty, and staff members with seating placement determined by the director. Students earn one academic credit hour per semester.

The University of Lynchburg Concert Choir (MUSC 022) performs a wide variety of choral literature from the Medieval era through the twenty-first century. This large choral ensemble provides a high quality experience with membership open to all students who meet basic vocal and musicianship competencies, with interviews with the conductor held during the first week

of each semester. The ensemble meets three times each week (three hours total) with three concert performance scheduled per semester. Students earn one academic credit hour per semester.

The University of Lynchburg Handbell Choir (MUSC 023) performs a variety of literature composed for the handbells including the works of Arnold Sherman, Cynthia Dobrinski, and Cathy Moklebust. The ensemble has a membership of 10 ringers with membership open to students faculty, staff, and community members who possess skills in reading music. The ensemble meets two times each week (two hours total) and performs selections at campus concerts presented by the Wind Symphony and Concert Choir in addition an end-of-semester concert. Students earn one academic credit hour per semester.

The Choral Union (MUSC 025), a university/community choral ensemble, performs large-scale works composed for chorus and orchestra with past performances including Messiah by George Handel, Coronation Mass, Requiem, and Te Deum by Wolfgang A. Mozart, Mass in Time of War by Franz J. Haydn, and Elijah by Felix Mendelssohn. The ensemble is open to students, faculty, staff, and community vocalists with permission of the conductor. The ensemble rehearses once a week (Tuesday night, two hours). Students earn one academic credit hour per semester.

The University of Lynchburg Jazz Orchestra (MUSC 026) performs a variety of standard and contemporary Big Band and Jazz literature. The ensemble is open to students, faculty, and community members by audition and/or permission of conductor. The ensemble holds a two-hour rehearsal once a week. Membership also requires participation in the Jazz Ensemble (MUSC 020). Students earn one academic credit hour per semester.

Theatre Activities

Students and the campus community benefit from activities sponsored by the Theatre Department. Three main stage theatre productions and one dance concert are presented annually. Student-generated plays are produced each year in the studio theatre. Auditions for theatre productions are open to the entire campus community. First-year students regularly appear in shows and work in backstage positions. Recent productions include *Cabaret*, *A Piece of My Heart*, *Into the Woods*, *Clybourne Park*, *The Laramie Project*, *The Pajama Game*, *Anything Goes* and *The Tempest*. Academic credit may be earned by working on productions.

The facilities in the Dillard Fine Arts Center are well-equipped and include a scenic shop, a costume studio, and a Macintosh computer lab. A dance studio, television studio, and private music studios are short walks from the building. The University Student Employment Program offers positions in technical theatre, costuming, and box office management.

Visiting theatre and dance professionals enhance the classroom and production arenas. Recent guests have included the acclaimed Aquila Theatre Company and The Alvin Ailey Dance Company.

Visual Arts Activities

Art activities sponsored by the Art Department enrich students enrolled in

art classes, the entire student body, and the campus community. Activities include lectures and classroom critiques by visiting artists and the annual student art exhibition.

Registrar's Office

The registrar's office maintains the official academic record for students of the University.

Registration

Online course preference scheduling for the next academic year is completed in April. Students may process drop/adds to adjust their schedules. Drop/add forms are available in the registrar's office or online at www.lynchburg.edu/academics/registrar/forms/. Please see the "Dropping or Adding Courses" section for the rules governing the process.

Transcripts

An official record of all academic coursework can be obtained by written request. Students should plan ahead to allow at least five working days for the processing of transcript requests. A fee is charged for each transcript and varies depending on delivery mode of the record. Transcripts and diplomas may be withheld when students have unfulfilled obligations to the University. Unofficial transcripts, called academic summaries, are available online to current students.

Enrollment Verifications

Enrollment verifications may be required for insurance, employment, etc. Verifications are available to students upon written request. The request should include what information is needed and to whom the verification should be sent.

Graduation Progress Review

All current students have access to graduation progress reports through their MyLynchburg account. Students are responsible for ensuring that they are registering for the correct courses for degree completion and should use the graduation progress report to monitor their progress. Questions concerning the degree completion should be addressed with their advisor.

Application to Graduate

All students are required to complete a graduation application. The application is to be completed as students advance register for their final year (two semesters) of enrollment. The student is notified if there are outstanding deficiencies that must be resolved before he/she is considered a candidate for the upcoming graduation.

Center for Accessibility and Disability Resources

University of Lynchburg guarantees the rights of all students with documented disabilities equal access to an education, in compliance with Section 504

of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, and the Americans with Disabilities Amendments Act of 2008. Limited only by personal ability and not by disability, the faculty and staff support students in obtaining reasonable academic and non-academic adjustments and auxiliary aides/services necessary to participate in the University's programs. Post-secondary institutions are not required to make adjustments or provide aids or services that would result in a fundamental alteration of a recipient's program or impose an undue burden.

University of Lynchburg makes no preadmission inquiry about disability. We recognize disclosure of disability is a personal choice students may or may not exercise. Students who choose not to disclose this information will not be able to take advantage of accessibility and disability services offered through the Center for Accessibility and Disability Resources (CADR). We encourage students to self-disclose disability information and provide the Center for Accessibility and Disability Resources with reasonable documentation. Through self-disclosure both the student and the University can make informed decisions about the suitability of University of Lynchburg in the pursuit of a collegiate education.

University of Lynchburg does not offer programs and courses specifically designed for students with disabilities; however, in addition to reasonable accommodations, the University offers all students a wide range of support services such as mentoring, advising, academic coaching, career services and therapeutic counseling. These services, along with small classes and an intimate connection to our faculty and staff, contribute to an exceptional experience for all students. Students with disabilities can benefit from these services, as well as accommodations for equal access approved on a case by case basis. A key to success at University of Lynchburg is effective self-advocacy. Resources and assistance are available when students actively advocate for themselves.

The purpose of accommodations for disability at the collegiate level is to provide equal access. Reasonable accommodations do not negate requirements for successful completion of a program, course, service and/or activity; adherence to generally acceptable standards of behavior; the University's general and academic student rights and responsibilities; or adherence to faculty/staff directions and instructions. University of Lynchburg is not required to modify syllabi, provide independent study, personal aides and equipment, personal coaching or individual tutors. Consideration of modification of attendance policies and assignment extensions are made on a case-by-case between the Center for Accessibility and Disability Resources and individual faculty using guidelines provided by the Office of Civil Rights (OCR). Attendance and other classroom policies, course schedule, assignment due dates, etc., will be provided to students in a written format. Regardless of the nature of the disability, students should note that accommodations that reduce academic expectations and standards, or eliminate essential components of coursework are not options. All students are expected to follow the University's Student Code of Conduct and Honor Code regardless of disability.

The staff of CADR work to assist students with disabilities in the pursuit of their educational goals. CADR works with faculty, staff, administrators and

students toward the objective of promoting equal access and equal opportunity. CADR provides or arranges for reasonable accommodations, services, training, consultation and technical assistance. We strive to ensure University of Lynchburg courses, programs, services, activities and facilities are equally accessible to all students. Our Center endeavors to assist students to become effective self-advocates and to facilitate an inclusive, supportive campus atmosphere, which fosters respect and promotes independence.

Students who wish to seek academic or non-academic (housing, dietary, etc.) accommodations should contact the Center for Accessibility and Disability Resources. Accommodation and services are offered for eligible students with cognitive, medical, mental health and physical disabilities, including temporary disabilities (such as injury, short-term conditions, surgery). Additional information about disability services is available at www.lynchburg.edu/academics/disability-services/ and by contacting Julia Timmons, Accessibility and Disability Resources Coordinator at timmons.j@lynchburg.edu, 434.544.8687, or Meg Dillon, Accessibility and Disability Resources Specialist at dillon_ma@lynchburg.edu.

Timely Notification of Disability

Students are encouraged to meet with the CADR as soon as possible in their college search/application/enrollment process. The CADR will facilitate coordination with various departments to provide reasonable accommodations for equal access to activities of daily living (academic, housing, dietary, etc.). Students are encouraged to provide the University with at least six weeks notification of disability which may impact time-sensitive arrangements for both academic and non-academic accommodations (scheduling, class locations, housing, alternative form materials, adaptive equipment, etc.).

Prospective students with physical disabilities are encouraged to visit University of Lynchburg prior to making a decision about enrollment. A personal visit enables the student and University representatives to determine how the University can best serve the student's particular needs.

Notification Guidelines

In some cases, advanced notification is required for timely implementation of accommodations:

- A minimum of six weeks notification (excluding University holidays) prior to the first day of classes must be provided for
 - Specific class location
 - Alternative Format Textbooks, excluding braille
- A minimum of eight weeks notification (excluding University holidays) prior to the first day of classes must be provided for
 - Specialized furniture, equipment or technology
 - Sign Language Interpreters
- A minimum of 12 weeks notification (excluding University holidays) prior to the first day of classes must be provided for
 - Alternative Format Textbooks and materials in braille format

Foreign Language Accommodation

As a Liberal Arts institution, University of Lynchburg places great value in providing students with a broad base of general education courses. Students attending the University are expected to enroll in the appropriate level of a foreign language sequence of their choice and successfully complete the 201-level course to meet the general education requirement.

Students may appeal to the Center for Accessibility and Disability Resources (CADR) for a foreign language accommodation. Students must provide appropriate documentation of a disability that significantly impacts language learning to be eligible for this accommodation. Information about the criteria for documentation of disabilities can be found on the University website at the following location: <https://www.lynchburg.edu/academics/disability-services/registration-intake-accommodations/academic-accommodations-2/>.

In order for a student to be approved for the foreign language accommodation for their general education foreign language requirement, CADR must provide documentation regarding the student's disability to the Associate Provost and Dean of General Studies, who will then approve or deny the request. The CADR will prepare a letter for the Associate Provost and Dean of General Studies explaining the circumstances and recommendation to allow the student to use the foreign language accommodation to complete the foreign language general education requirement. Copies of the letter will be sent to the Registrar's Office, the student's advisor, and the student. A copy will also be placed in the student's accommodation file held in the CADR.

The foreign language accommodation is not a waiver of the general education requirement for foreign language. The general education requirement for foreign language must still be met through successful completion of nine credit hours in a foreign language and/or approved substitution courses. Eligible students will be provided with a list of courses. If granted a foreign language accommodation, a student must take at least one course at the 200-level or above of the approved substitution courses. Courses may not be used to meet two general education requirements simultaneously. Students enrolled in foreign language classes required by his/her major may not utilize the aforementioned grade accommodations

Students approved for the foreign language accommodation may choose one of the following options to complete their foreign language general education requirement:

1. Students may elect to move directly into substitution courses.
2. Students who still wish to pursue a foreign language should enroll in the desired course. If a student is unable to earn a C- or better, yet pass the course, the foreign language course will be graded on a satisfactory (S) basis. If a student is unable to pass the course the student will receive a grade of (W) for the course. The general education requirement for foreign language must still be met through approved foreign language accommodation courses. Students enrolled in foreign language classes required by his/her major may not utilize the aforementioned foreign language accommodations.

Math Accommodation

As a Liberal Arts institution, University of Lynchburg places great value in providing students with a broad base of general education courses. Students are expected to enroll in and successfully complete one of the general education mathematics courses.

Students with disabilities may appeal to the CADR for a math accommodation. Students must provide appropriate documentation of a disability, which significantly impacts math learning to be eligible for this accommodation. Information about the criteria for documentation of disabilities can be found on the University website at the following location: <https://www.lynchburg.edu/academics/disability-services/registration-intake-accommodations/academic-accommodations-2/>.

Students who qualify for a mathematics accommodation must still meet the general education requirement for mathematics. If a student is unable to earn a C- or better, yet passes the course, the math course will be graded on a satisfactory (S) basis. If a student is unable to pass the course the student will receive a grade of (W) for the course. Students enrolled in math classes required by his/her major may not utilize the aforementioned math accommodations.

In order for a student to be approved for the math accommodation for their general education math requirement, the CADR must provide documentation regarding the student's disability to the Associate Provost and Dean of General Studies who will then approve or deny the request. The CADR will prepare a letter for the Associate Provost and Dean of General Studies explaining the circumstances and recommendation to allow the student to use the math accommodation to complete the math general education requirement. Copies of the letter will be sent to the Registrar's Office, the student's advisor, and the student. A copy will also be placed in the student's accommodation file held in the CADR.

ADA Resolution and Grievance Policy

The Center for Accessibility and Disability Resources (CADR) has the responsibility of determining a student's need for accommodation. This determination is made through a two-part process: review of documentation of disability and an intake interview. If the CADR staff determines a student is eligible for accommodations, the CADR is responsible for coordinating the accommodations with the student, the instructors, and third party service providers.

Title II of the Americans with Disabilities Act (ADA) of 1990 and Section 504 of the Rehabilitation Act (1973) were intended to prevent discrimination against individuals with disabilities. They provide that:

“No otherwise qualified person with a disability in the United States... shall, solely by reason of...disability, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any program or activity sponsored by a public entity.”

University of Lynchburg faculty and staff strive to provide each student

with positive educational experiences and helpful services. Even so, it is understandable that complaints will arise from time to time. To address and resolve concerns as quickly as possible, all students are encouraged to address complaints to the office responsible for overseeing the area of concern.

If a student believes they have experienced discrimination due to a disability or perceives an issue with ADA compliance, he or she has the right to seek resolution or file a grievance. Prompt resolution of such matters is in the best interest of the student, faculty, staff, and the University.

Detailed Policy and Procedure information is available online at <https://www.lyncburg.edu/academics/disability-services/ada-resolution-and-grievance-resolution/>.

Tri-College Consortium

The Tri-College Consortium of Virginia includes University of Lynchburg, Randolph College, and Sweet Briar College. Students at each of the colleges are granted access to libraries on all three campuses. A full-time undergraduate student may enroll in a course offered on either of the other campuses during fall or spring terms (provided the course is not being offered by the student's home college) without payment of additional tuition. A student may not take more than 50 percent of coursework away from the home campus during a single term. On occasion, a student may be expected to take a specific course at one of the other colleges. Students are responsible for their own transportation. Tri-College courses are considered part of a student's academic load for payment purposes. Tri-College enrollment forms are available from the Office of the Registrar.

STUDENT DEVELOPMENT AND CAMPUS LIFE

While academic life is basic to education, University of Lynchburg students also grow as individuals and as citizens through participation in out-of-classroom co-curricular activities. The offices of Student Development, in collaboration with students, faculty and staff, enhance the educational mission of the University and provide learning opportunities by creating an inclusive campus community that provides social awareness and fosters community development, educating students to become effective leaders, involved citizens, and critical thinkers, as well as nurturing the personal, physical, academic, and spiritual development of students. Student Development includes the offices of the Campus Safety and Security; Community Involvement and Bonner Program; Dean of Students; Health and Counseling Services; Housing and Residence Life; Multicultural Services; and Student Engagement and Leadership Development. In addition, special collaborative relationships are maintained with the Spiritual Life Center and the Office of Equity and Inclusion.

Whatever a student's background and goals, the offices of Student Development offer students ways to get involved in campus life and to experience self-discovery and personal development. Through residence hall programs, cultural and social activities, membership in clubs and organizations, workshops and retreats, counseling, spiritual life activities, and intramural sports, students enhance their intellectual ability, social maturity, emotional and physical well-being, aesthetic sensibilities, spiritual fulfillment, personal values, career goals, commitment to community involvement and service, leadership and membership skills, and appreciation of cultural diversity.

Students are invited to participate in the governance of the University of Lynchburg community through the Student Government Association or through independent participation. Typically, students are appointed to various committees and task forces established by the faculty, staff, and other constituents of the University. Students appointed to these committees represent the interests and views of their organizations, residence halls, graduation class, or specific populations within the general student body. In almost all cases, students serving on these committees enjoy full voting privileges as they participate in decision-making processes that affect policies, planning, programming, budgeting, academic offerings, dining, and other student services. Specifics related to a student's role and participation in institutional decision-making are noted in *The Hornet* student handbook in the "Student Rights" section. For more information about Student Development and campus life, see *The Hornet* student handbook.

Health and Counseling Services Requirements

Health Information Form

All full-time traditional undergraduate students are required to have a completed Health Information Form on file in the Student Health Center. Certain academic majors and athletes may require additional information. For students enrolling for the fall semester this form must be submitted by July 15; for students enrolling for the spring semester, by January 15. Students who do

not submit a completed Health Information Form are subject to a \$200 fine per semester until the form is complete. The form is available on the University website at www.lynchburg.edu/required-health-information.

Health and Counseling Services

Health and counseling services are offered to promote the emotional, mental, and physical well-being of students.

Health Services

The Health Center, located on the terrace level of Hundley Hall, is open from 8:30 a.m. to 5 p.m., Monday through Friday during fall and spring semesters; and from 12 p.m. - 4 p.m. Monday through Friday for students participating in J-term or summer classes. Services are available to all actively enrolled students. All students who wish to use health services must have a completed Health Information Form on file in the Health Center.

Students may be seen as walk-ins or may schedule appointments by calling the Health Center at 434.544.8357. A family practice physician is on campus one hour per week. Primary health care is provided by nurse practitioners and registered nurses. Referrals to physicians or other community health care providers are arranged when necessary or at the request of the student.

All consultations and medical records are kept completely confidential. No information is discussed with, or released to, anyone without the student's written consent. Routine visits to the Health Center are provided without charge. Charges for medication, lab tests, and special examinations can be billed to the student's university account or paid for by the student.

When the Health Center is closed, the University of Lynchburg Emergency Medical Service is usually available to provide first-aid and emergency care for students on campus. Students can access this service by contacting Campus Safety and Security (emergency extension 5555). Health services are not available during academic breaks.

Health Insurance

All students are expected to have medical insurance coverage. The University's Business Office has a list of local insurance agents if you do not have medical insurance. Students are urged to review their policy carefully to determine which physicians and medical services are covered in the local Lynchburg area and to ensure that coverage is provided for both routine and emergency medical care, as well as prescriptions.

Counseling Services

The Counseling Services, located on the terrace level of Hundley Hall, is open from 8:30 a.m. until 5 p.m., Monday through Friday during fall and spring semesters. Counseling is also available by appointment for students participating in J-term or summer classes. Counseling services are available to all actively enrolled students. Students may schedule appointments by visiting the Counseling Center or by calling 434.544.8616.

Licensed mental health professionals provide individual and group counseling to full-time students for a variety of student issues such as roommate and relationship issues, grief, anxiety, adjustment difficulties, substance

abuse, eating issues, depression, and other needs. Strict confidentiality is observed in accordance with professional standards.

Multicultural Services

The Multicultural Center offers a variety of educational programs and support services intended to meet the needs of multicultural, first-generation college students, and other underrepresented populations within the student body, including students of various races, religions, ethnicities, sexual orientation, and socioeconomic status.

A supplemental orientation program, the Summer Transition Program (STP), is offered to help students get settled in their new environment, become acclimated to the University and community, introduce them to resources available to assist them, and meet student leaders. This early-arrival program compliments their SOAR experience.

The Center staff serves as advisors to special interest groups such as the Black Student Association, Gay-Straight Alliance, Man2Man, the Native American Student Association, the Latino Student Association, and the Student Diversity Council.

The Center seeks to create an environment that embraces individual differences, sustains inclusion, and cultivates a campus atmosphere free of bias. For more information, contact the office at 434.544.8330 or via e-mail to FMC@lynchburg.edu.

Residential Requirements

University of Lynchburg values on-campus living, which exposes students to a variety of meaningful out-of-class learning opportunities. Accordingly, on-campus living is required of most undergraduate students, and off-campus living is a privilege earned through progression toward degree completion.

Single, full-time freshman, sophomore, and junior students, other than those living at home with parents and students age 23 and older, are required to live in University of Lynchburg housing. Students who have completed eighty-five or more credit hours (either at University of Lynchburg or another accredited institution) prior to the fall semester are eligible to live off campus during the next academic year, as are undergraduates continuing as second-degree students, non-degree seeking graduate students continuing their studies immediately after baccalaureate degree completion, and students age 23 or older. For complete details about residential requirements, see *The Hornet* student handbook.

Residence Life

The Office of Residence Life is responsible for all aspects of residential living, including developing a safe and secure residential community that is conducive to learning and growth. The residence life student staff consists of fifty-one graduate and undergraduate students serving as resident assistants (RAs) and hall directors (HDs) that live within each residential community. There are also two full-time, professional area coordinators (AC's) who live on campus and assist staff and students with maintaining a positive community and achieving their goals. They are responsible for activities, program-

ming, providing peer counseling, and maintaining community standards.

Each residence hall offers card-operated washers and dryers, coin operated soda and snack machines, and full kitchens that include an oven, refrigerator, stove, and microwave. All buildings have lounges with televisions and cable hook-up.

Residence life policies exist to enhance the safety and comfort of all students in the residence halls. Failure to adhere to policies may result in disciplinary action. For a complete list of policies and procedures related to residence hall living, see *The Hornet* student handbook.

For a complete list of residential living policies and information, please see *The Hornet* or contact the Office of Residence Life.

Spiritual Life

While University of Lynchburg is affiliated with The Christian Church (Disciples of Christ), a mainline Protestant denomination, diversity and religious freedom are highly valued. Ecumenical and interfaith dialogue are both important tenets of the Disciples of Christ tradition and central to the institution's educational goals. The Spiritual Life staff is dedicated to helping students celebrate and grow in their own faith tradition while they attend University of Lynchburg. The staff is also dedicated to helping students explore and identify their vocational calling in life. The University has historically been served by a Disciples of Christ Chaplain, and the denomination remains an important partner in mission, funding, and recruiting.

The spiritual life community is made up of faculty, staff, and students from varied faith traditions. Each year a number of campus ministry groups are active on campus, depending on student interest. Current groups include Catholic Community, Lynchburg Christian Fellowship, BYOB (Bring Your Own Bible), Hillel (Jewish), Quaker Meeting, Methodist Student Fellowship, Canterbury Club (Episcopal), Lutheran, GLBTQIA+ Spirituality, SBNR (Spiritual But Not Religious) and LC Sangha (Buddhist). The Chaplain and Associate Chaplain function as pastors to the entire community and as coordinators of religious activities. Additional Spiritual Life staff provide leadership to different faith communities. There are weekly worship opportunities available on campus and rides are available to several local Christian congregations. The local synagogue makes provisions for Jewish students to attend High Holy Day celebrations. The Greater Lynchburg Islamic Association (GLIA) provides for Muslim students services. Special services are held for events such as Parents' Weekend, Alumni Weekend, Holy Week, and Baccalaureate.

The Chaplains provide pastoral care to the entire community. Emergency pastoral care is available on a 24-hour basis through the Minister on Call system. In the event of an emergency, a sudden illness or death, notification of a student's absence can be made to a student's faculty.

Student Activities

The Office of Student Activities is committed to enhancing the Office of Student Development's mission statement through leadership and co-curricular opportunities. Learning and development are achieved through intentional

programs that promote involvement in adventure-based learning, the fraternity and sorority community, intramural and recreational activities, social and multicultural experiences, and campus governance.

Through a wide variety of programs and services, the Office of Student Activities helps students become involved in campus organizations and events. Full-time students pay an activity fee that is divided among the major programming areas and allocated to student organizations for programming. The funds are distributed among the Student Activities Board, the Student Government Association, the Intramural and Club Sport Program, Outdoor Leadership Program, and Lynchburg Late Nights and weekend programming. Recognized student organizations may request funding from the SGA Senate to support organizational programs.

Leadership training is also offered through participation in regional and national conferences, LC LEADS (a freshman and sophomore emerging leader program) and the annual Anderson Leadership Conference held on campus. In addition to more than eighty clubs and organizations, the Office of Student Activities works with students in five major areas:

Student Government Association - The Student Government Association serves as the official voice of the student body to the University of Lynchburg administration. In an effort to promote school spirit and student involvement, SGA sponsors a variety of events for the University community. These events include campus public forums, late night breakfasts, Crabfest, and Senior Week.

Student Activities Board - The Student Activities Board is a volunteer, student-run organization responsible for creating, planning, and presenting a variety of activities such as magicians, hypnotists, novelty acts, coffeehouse performers, off-campus trips, and concerts for the University of Lynchburg community. SAB members are students who are dedicated to bringing quality, uniqueness, and fun to the campus.

Intramural and Campus Recreation - Intramural programs encourage students, faculty, and staff who are currently enrolled or employed at University of Lynchburg to participate in a variety of organized recreational programs.

Fraternity/Sorority Life - Fraternity/Sorority Life was established at University of Lynchburg in 1992 and since that time has provided leadership and social opportunities for all students. There are eleven nationally-recognized Greek-letter organizations at University of Lynchburg, including four fraternities, four sororities, and three historically black Greek organizations. Approximately 16 percent of the student population are members of fraternities and sororities. Under the governance of the Interfraternity (IFC), Panhellenic (PC), and National Pan-Hellenic (NPHC) councils, Greeks continue to expand their involvement in the University of Lynchburg community through annual activities such as St. Baldricks, Special Olympics, Rivalry Week, and Relay for Life.

Pan-Hellenic Council Sororities

Alpha Chi Omega - ΑΧΩ, Alpha Sigma Alpha - ΑΣΑ,
Kappa Delta - ΚΔ, and Sigma Sigma Sigma - ΣΣΣ

Interfraternity Council Fraternities

Phi Kappa Tau - ΦΚΤ, Sigma Nu - ΣΝ, Sigma Phi Epsilon - ΣΦΕ,
and Phi Mu Delta - ΦΜΔ

National Pan-Hellenic Council Greek Organizations

Alpha Kappa Alpha - ΑΚΑ, Alpha Phi Alpha - ΑΦΑ,
and Delta Sigma Theta - ΔΣΘ

Outdoor Leadership Program - The Outdoor Leadership Program exists to develop leadership skills and support community and personal growth through experiential learning. Development is achieved through the utilization of ropes courses, indoor/outdoor workshops, and adventure programming. Programs include rock climbing, caving, backpacking, hiking, tree climbing, paddling, and whitewater rafting, ranging from one to six days in length.

General Responsibilities of Campus Organizations

Campus organizations are expected to comply with the policy and procedural guidelines adopted by the Student Government Association, Student Life Policies Committee, and the University administration. Obstruction of, or interference with, any regularly sponsored or official function of the University may be considered an act of disorderly conduct and may lead to appropriate disciplinary action.

Membership

Membership in registered student organizations must be open to all persons without regard to race, color, creed, religion, national or ethnic origin, gender, sexual orientation, age, marital status, citizenship, or handicap (SA-302). Title IX of the Educational Amendment of 1972 provides an exemption of fraternities and sororities from the requirement that membership in their groups be open to all persons regardless of gender.

Membership should comprise only of students, faculty, or staff of University of Lynchburg. Non-students may not be members, hold office, or be responsible for any activity.

Supervisory Role of Institution in Student Activities

Through involvement in student activities, including campus organizations and events, students gain personal, professional, social, recreational, and cultural development. The Office of Student Activities is charged with helping students become involved in campus organizations and events and with advising and supervising the Student Government Association, the Student Activities Board, and three fraternity and sorority governing boards. Additionally, the Office of Student Activities provides assistance and support to all recognized student organizations.

The Student Life Policies Committee, composed of faculty, staff, and students, is a standing governing committee that reviews matters of policy pertaining to student activities. Policies and procedural guidelines adopted by the Student Life Policies Committee and the University are detailed in *The Hornet* student handbook or publicized by the offices of Student Development. These policies and procedural guidelines address matters such as responsibilities and privileges of recognized student organizations, reservation of campus facilities, admitting guests to events, posting, alcohol on campus, and freedom and order on the campus.

Campus organizations and individuals involved in student activities are expected to comply with all University policies; violation of University policy may result in judicial action, as outlined in the “Honor and Student Conduct Codes and Regulations”. Additionally, the University reserves the right to intervene, and if necessary, to cancel a program, activity, and/or process if it is found to be in violation of stated policies or procedures or is in conflict with the mission of University of Lynchburg.

Athletics: Intercollegiate

University of Lynchburg offers twenty-one intercollegiate sports of which nineteen compete at the NCAA Division III level. Varsity athletics integrates academic rigor with enthusiastic competition in ten women’s sports: basketball, cross country, field hockey, lacrosse, soccer, softball, tennis, indoor track, outdoor track, and volleyball; nine men’s sports: baseball, basketball, cross country, golf, lacrosse, soccer, tennis, indoor track, and outdoor track; and two coed sports: cheerleading and equestrian.

University of Lynchburg is a charter member of the Old Dominion Athletic Conference (ODAC), one of the most prestigious athletic and academic conferences in the country. The 15-member conference, including two associate members, stands as the second-largest multi-sport NCAA Division III conference in the country.

The director of intercollegiate athletics reports to the president of the university.

Campus Media

Two publications comprise University of Lynchburg’s student media, providing opportunities for both news reporting and creative expression.

The Critograph – A student-run multimedia organization working to provide objective, accurate, relevant, and timely news to the University of Lynchburg community. *The Critograph* and *Critograph.com* are produced weekly by University of Lynchburg students. Freelance reporters and photographers are invited to submit stories for print or online media. Faculty and staff contributions are also considered for publication. *The Critograph* offers student opportunities in marketing, advertising, and sales.

The Prism – The student literary magazine since 1903 is edited by undergraduate students. It includes students’ stories, poems, creative non-fiction, and sometimes artwork.

Written Complaints

University of Lynchburg faculty and staff strive to provide each student with positive educational experiences and helpful services. Even so, it is understandable that complaints will arise from time to time. To address and resolve concerns as quickly as possible, please address complaints to the office responsible for overseeing the area of concern.

If you are uncertain about the appropriate contact for a complaint, you may submit a written complaint to the Office of the Dean of Students (114 Hundley Hall, University of Lynchburg, 1501 Lakeside Drive, Lynchburg, VA 24501-3113; 434.544.8226).

Emergency concerns regarding health or safety should be reported immediately to Campus Safety and Security (434.544.5555).

The vice president and dean for student development or his designee will review the written complaint and contact you regarding address of the complaint. If another University office is better able to address the complaint, then the vice president or his designee will forward the complaint to that office and notify you where the complaint was directed. A representative of the office receiving the forwarded complaint will then contact you regarding address of the complaint.

In addition, the University of Lynchburg offers the Campus Conduct Hotline, a confidential, independent, all-in service for reporting observed activity or behavior that is harmful, unethical, questionable, or causes personal injury (e.g., fraud, sexual harassment, discrimination, safety risk, internet abuse, workplace hostility). To use the Campus Conduct Hotline, call 866.943.5787. More information about the hotline is available at www.campusconduct.com.

Most concerns and complaints can be resolved at the campus level. However, after following the University of Lynchburg procedures, you may file a complaint with the State Council of Higher Education for Virginia (SCHEV) through the student complaint process described on the SCHEV website (<http://www.schev.edu/index/students-and-parents/resources/student-complaints>).

Online students who live out of state may also alert the agency in their home state that deals with student complaints if an issue cannot be resolved through University of Lynchburg's internal processes and you decide to file a complaint with the State Council of Higher Education for Virginia (SCHEV). See www.lynchburg.edu/academics/online-programs/ for a contact list.

STUDENTS' RIGHTS AND RESPONSIBILITIES

The University of Lynchburg expects every member of the campus community to share in the University's historic commitment to academic honesty, personal integrity, and behavioral maturity. As an educational institution, the University is concerned with both the formal, in-class education of its students and their growth into mature men and women who conduct themselves as responsible citizens.

The uniqueness of the academic community requires particular sensitivity to both the individual rights of students and the rights of the University community. Rules and regulations are imperative as a basis for the orderly conduct of University activities and for maintaining an environment conducive to study, recreation, and personal growth. For a list of student rights and additional information on student responsibilities, see *The Hornet*, the annually updated student handbook. All students are expected to know and abide by University of Lynchburg policies published in *The Hornet*.

Honor and Student Conduct Codes and Regulations

Standards of student conduct address three major areas of integrity. The Honor Code includes both academic and personal integrity. The Student Conduct Code addresses respect for the rights of the University and the people within the community. These standards of conduct are intended to encourage honesty in academic achievement as well as personal growth and development.

In accepting admission to the University of Lynchburg, a student agrees to learn and to abide by all University policies and procedures. In addition to controlling their own behavior, students are expected to do their utmost to help maintain a high level of conduct among fellow students. University policies are set forth in writing to give students general notice of prohibited conduct; they are not designed to define misconduct in exhaustive terms and should be read broadly.

When a violation of University policy is believed to have occurred, appropriate University officials or members of the Student Judicial Board review the alleged infraction. If confirmed, the violation results in educational sanctions intended to facilitate the positive growth and development of those involved. See *The Hornet* student handbook for the full text of the "Honor and Student Conduct Codes and Regulations".

Student Records: Practices, Rights, and Privacy

University of Lynchburg annually informs students about the Family Educational Rights and Privacy Act of 1974 (FERPA). This act, with which the institution complies fully, was designated to protect the privacy of education records, to establish the right of students to inspect and review their education records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with The Family Policy Compliance Office, U.S. Department of Education, concerning alleged failures by the institution to comply with the Act.

A student's permanent record consists of his/her University of Lynchburg academic record transcript. These permanent course and grade records, whether paper or electronic, are kept in perpetuity and are safeguarded in fireproof cabinets or vaults. Temporary records are the supportive records of an applicant's or enrolled student's progress that are kept in various offices whose functions dictate the record retention and disposal schedule.

Information contained in student records is maintained primarily for educational purposes and is for the use of faculty and staff within the University who have a legitimate need for information. Information is not released outside the University without the written request or consent of the student, except as noted below and as may be required by law. The physical examination and health history record and other pertinent medical information submitted directly to the Student Health Service and maintained there are not available to any non-medical personnel.

Directory-type information such as name; campus, off-campus; dates of attendance; full-time or part-time status; student classification; institutions previously attended; degrees and major fields of study; awards and honors; anticipated graduation dates; past and present participation in officially recognized sports and activities; physical description; photographic or videotaped image; and date and place of birth may be released without consent to those who have a reasonable and legitimate need for the information. Students who wish to prevent disclosure of directory information to persons outside the University may do so by completing the proper form at the Registrar's Office.

Students may inspect certain portions of their education records within a reasonable time of presenting a request. Records not available for inspection by students include student health, employment, or alumni records; financial information submitted by parents; and confidential letters and recommendations associated with admission, employment or job placement, or honors for which the rights of inspection and review have been waived.

Students who believe that their education records contain information that is inaccurate or misleading or is otherwise in violation of their privacy or other rights may discuss this with the Registrar's Office for academic records or the Office of the Dean of Students for other education records. When records are not amended as requested following such discussion, appeal may be made to other administrative offices of the University.

Those needing additional information or those wishing to complete forms to exercise any options outlined above, may contact the Registrar's Office concerning academic records or the Office of the Dean of Students concerning other education records.

Drug Free Environment Statement

The Drug-Free Schools and Communities Act amendments of 1989, Public Law 101-226, require that higher education institutions adopt and implement a program to prevent unlawful possession, use, or distribution of illicit drugs and alcohol by students and employees of the institution. This legislation calls for the publication of:

1. Standards of conduct that clearly prohibit, at a minimum, the unlawful possession, use, or distribution of illicit drugs or alcohol by students and employees on University property or as part of any University activity;
2. A description of applicable legal sanctions under local, state, or federal law;
3. A description of health risks associated with the use of illicit drugs and the abuse of alcohol;
4. A description of available drug or alcohol counseling, treatment, rehabilitation, or re-entry programs; and
5. A clear statement of the disciplinary sanctions the University will impose on students and employees for violation of the University's applicable standards of conduct with respect to the unlawful possession, use, or distribution of illicit drugs or alcohol.

The University of Lynchburg complies with this legislation and supports all the provisions included in the Drug-Free Schools and Communities Act. Policies prohibiting the use of illicit drugs and the misuse of alcohol by students are published in the student handbook, *The Hornet*. A publication addressing the topics enumerated above is distributed annually to students by the Office of the Dean of Students.

Motor Vehicles

All non-resident (commuting) freshmen and all sophomores, juniors, seniors, and graduate students are eligible to register motor vehicles for use on campus. Registration options include a one-day permit, a temporary permit valid for two to thirty days, and an annual permit. All faculty, staff, and students are eligible to register their motor vehicles for use of campus. To add, view, or edit vehicle information, visit <https://myLC.lynchburg.edu> (use tabs "Personal" and "My Vehicles"). All First Year resident students desiring parking privileges must receive prior approval through the Admissions Office. Available parking spaces are limited to 230. Spaces are offered on a first-come first serve basis. Registration must be received by June 1 of each year. Please register for your space at <https://admissions.lynchburg.edu/register/parking>. If disability parking is required, a letter of need from the student's parent or legal guardian and attending physician must accompany the request.

All vehicles driven and parked on campus by any student, faculty, or staff member must be insured, have valid state license and inspection tags, be registered with Campus Safety and Security, and bear a valid University of Lynchburg parking decal. University of Lynchburg decals may be obtained during fall semester check-in periods, and at other times, at the Campus Information Desk, located on the first floor of Hall Campus Center. A current state vehicle registration card, valid operator's license, and valid proof of insurance are required at the time of vehicle registration. Each registered vehicle owner/operator is responsible for maintaining proper insurance coverage to protect his/her vehicle from damage such as vandalism, theft, and acts of nature. University of Lynchburg is not responsible for such acts that may occur while a vehicle is driven or parked on University of Lynchburg property. Registration will be delayed if any of these required items is not presented.

Registration fees (all non-refundable) are \$75 annual registration for full-time non-resident (commuting) first year students, all sophomores, juniors, and seniors, \$25 annual registration for part-time and graduate students, \$10 registration for commuting, part-time, and graduate students registering a second vehicle, \$20 temporary registration (2-30 days) for full-time non-resident (commuting) freshmen and all sophomores, juniors, seniors, and \$300 annual registration for “special permission” parking for a resident first year student.

A student may not register a vehicle owned by another student or for the use of another student. Adjudication of violations of this regulation or any other shall be left to the discretion of the appropriate judicial body. By completing vehicle registration, the vehicle owner indicates that he/she has read and understood the University of Lynchburg Traffic Code. Failure to comply with the University of Lynchburg Traffic Code and any posted vehicle regulations will result in issuance of a citation.

Parking decals are to be placed on the left bottom exterior corner of the vehicle’s rear glass. For vehicles such as pick-up trucks, Jeeps (soft top), convertibles, and vehicles with dark-tinted windows, decals should be placed in a location visible to Campus Safety and Security officers. Most state codes prohibit the application of a decal to the front windshield other than state inspection or city/county decals. Individuals concerned about proper placement of a University of Lynchburg parking decal should contact Campus Safety and Security for advice.

If a registered vehicle is sold or traded for another vehicle, the original University of Lynchburg decal needs to be removed and presented to the Campus Information Desk. The replacement vehicle will be registered and a new decal issued for a \$1 fee.

Traffic and Parking Regulations

All parking areas on campus are designated for use by specific constituents; these designations are indicated by color-coded parking lines and decal type:

<u>Line Color</u>	<u>Parking Designation</u>
White	Student*/Special Event
Yellow	Faculty/Staff/Visitor/Special Event
Yellow Fire Lane	No parking at any time
Blue	Handicapped
Green	Reserved 24/7 for University vehicles/Visitor

*Student parking designations are further specified by decal type:

<u>Decal Type</u>	<u>Parking Designation</u>
Resident	Student spaces outside residence hall
Commuter	Student spaces in lots designated as “commuter” or “open”
Southside	Student spaces designated for one’s assigned University house, Courts apartment, or townhouse

First Year

Limited spaces are available. All resident first year students are required to park 24/7 in the lower lot near Peaksview Hall, accessible only off Thomas Road by scanning your valid university ID at the lift gate entrance. Pedestrian ID accessible gates are located at each end of the lot for walk-in access. Surveillance cameras monitor this lot 24/7/365.

All faculty/staff spaces designated by yellow lines are reserved from 7 a.m. to 5 p.m. Monday through Friday. At other times (i.e., 5 p.m. to 7 a.m. Monday through Friday and throughout Saturday and Sunday), faculty/staff spaces designated by yellow lines are available for use by students (except those with First Year decals) unless indicated otherwise (e.g., by traffic cone). **If a vehicle is parked in a space other than its assigned area, the vehicle registrant will be cited for parking in an undesignated space.** All campus parking spaces indicated by blue lines are reserved for individuals who have received disability parking privileges through their state Division of Motor Vehicles. Individuals desiring on-campus parking accommodation for a short-term, temporary disability may request permission from Campus Safety and Security to park in faculty, staff, or student spaces as convenient. (Approval of a request does not permit parking in spaces designated in blue for disabled drivers.) A state issued disability tag provided for approved short-term requests must be displayed while the vehicle is parked in any disability parking space. The University reserves the right to change or otherwise restrict parking designations and traffic patterns as conditions warrant. Parking in areas reserved by traffic cones/barrier tape or moving either of these will result in the issuance of a parking citation. The lack of convenient parking or the lack of a space in any particular area of campus does not excuse a violation to the University of Lynchburg Traffic Code.

The campus-wide speed limit is 15 MPH, and drivers must yield to all pedestrian traffic. Failure to stop as directed by a campus security officer or other University official, failure to drive on the proper side of the gate house, and driving in a reckless manner (including speeding) will result in issuance of a citation. Also, an incident report will be written for review by the appropriate judicial body. All vehicle accidents occurring on campus are required to be reported immediately to Campus Safety and Security. An incident report will be filed. Failure to provide accurate information regarding an accident may violate state and local laws, as well as University policies. Adjudication of violations of the University of Lynchburg Traffic Code may result in loss of privileges to use a vehicle on campus. An individual receiving an excessive number of parking citations is subject to loss of his/her on-campus parking privileges. All vehicles will be subject to tow at the owner's expense, after the receipt of two citations or more. University of Lynchburg is not responsible for any damage resulting from towing and/or storage of the vehicle. All towed vehicles will be held in the Bee Line Towing, Inc impound lot located at 155 Airpark Dr., Lynchburg, VA 24502. Bee Line can be reached at 434.239.5386.

All vehicle accidents occurring on campus property and adjacent roadways are required to be reported immediately to Campus Safety and Security. An incident report will be filed. Failure to provide accurate information regarding an accident may violate state and local laws, as well as University policies.

A vehicle that becomes inoperable or disabled must be reported to Campus Safety and Security. The owner will be given a reasonable amount of time to repair or remove the vehicle from campus.

Parking and Traffic Fines

Unauthorized parking in areas designated for fire lanes and for handicapped parking results in the following fines: *Fire Lane - \$100 each offense; *Handicapped Space - \$100-\$500 each offense. All fines for the parking and traffic violations listed are \$50 per each offense: Unregistered vehicle, parking in a faculty/staff space, parking in a student space, parking in a visitor's space, parking in a 24-hour reserved space (indicated by green lines), parking in a reserved space – Coned off, parking in a loading zone, *parking in an undesignated space, *parking on the grass, *blocking driveway/roadway, *overtime parking, *expired temporary tag, *improperly displayed University of Lynchburg parking decal, *reckless driving, *speeding/ exceeding the posted Campus Wide Speed Limit (15 MPH), and *failure to stop at a stop sign. The violations marked with an asterisk (*) are enforceable by Campus Safety and Security officers, other designated university staff and local/state law enforcement officers.

Payment of Fines

All parking and traffic fines will be billed automatically to faculty, staff, and student accounts. Payments may be made at the Cashier's Office, located on the fourth floor of Hall Campus Center, during regular business hours or mailed along with the monthly bill. Anyone wishing to appeal a parking citation may do so by visiting their MyLynchburg page then clicking on the Personal link, then the My Tickets tab and complete the online appeal form. All appeals must be submitted within seventy-two hours of the date and time the citation was issued. Appeals received after seventy-two hours will not be considered. If a fine is reduced or dismissed upon appeal, the amount will be adjusted accordingly on the appropriate faculty, staff, or student account.

ADMISSIONS

Requirements for Freshman Admission

A candidate for regular admission to University of Lynchburg should be in the final year of an approved secondary school with a minimum of sixteen academic credits. The ideal candidate has earned twenty credits in English, mathematics (Algebra I and II and Geometry), laboratory science, social science, and at least two years of the same foreign language. In addition, a successful candidate has a strong B average (or better) and SAT or ACT scores. Advanced Placement, International Baccalaureate exams, and dual enrollment credits may be used for credit or placement. In all cases, final acceptance is subject to successful completion of the secondary school program or equivalent certification.

A student may apply to University of Lynchburg by submitting the University of Lynchburg application (paper or electronic) or the Common Application.

Before the admissions staff can consider an application, a candidate's file should include the following:

1. The application form;
2. Official secondary school transcripts, including senior curriculum and any grades that may be available;
3. A non-refundable \$30 application fee;
4. Official results of the SAT or ACT examinations. Only critical reading and math scores are used in admission and scholarship decisions;
5. Optional (strongly encouraged): An on-campus visit; and
6. Optional (strongly encouraged): One letter of recommendation and a personal essay or graded writing sample from junior or senior year

Applicants may be required by the Office of Enrollment Services to submit additional documentation.

Home-Schooled Applicants

In addition to the items listed above, home-educated applicants may be required to submit a bibliography of high school curriculum, official transcripts from any community college or other college/university courses, and portfolios or performance-based assessments to qualify for admission. (A GED may be required.)

Early Admission and Enrollment

Early admission and enrollment into University of Lynchburg is possible for outstanding secondary school students upon completion of their junior year. A high school junior interested in this type of admission should write to the Office of Enrollment Services, University of Lynchburg, 1501 Lakeside Drive, Lynchburg, VA 24501-3113 or call 434.544.8300.

Advanced Placement Scholars Program

Students who have acceptable scores (3, 4, or 5) on College Entrance Examination Board Advanced Placement tests are granted college credit. The

number of semester credit hours to be granted will correspond to the number of credit hours given for the course omitted. However, quality points will not be computed for the credit given. For a listing of acceptable scores and credit allowed, refer to the Credit by Examination section under “Academic Regulations.”

International Baccalaureate Program

University of Lynchburg awards academic credit for work completed in an International Baccalaureate program to students on an individual basis. After review, credit is generally awarded for completion of higher-level courses and achievement of 4 or above on the International Baccalaureate Examination. Official score reports must be sent directly to University of Lynchburg from the IB program for verification of the student’s work and for credit to be given on the student’s University of Lynchburg transcript.

Transfer and Access Students

A strong candidate for admission has completed at least twelve credit hours beyond the high school diploma from a regionally accredited college or university. Access is the term designated for adult students who wish to enter or to return to college to pursue their education at the undergraduate level. To qualify as an Access student, an applicant must be a U. S. citizen and 25 years of age or older before the first day of classes.

Additional information about the transfer process:

1. All students must be socially and academically eligible to return to their former institution in good standing;
2. Admission to the University requires a minimum cumulative grade point average of 2.0;
3. Transfer credits toward a degree will be allowed only for coursework relevant to the degree with grades of C or higher (not C-). Decisions regarding the acceptance of credits will depend on the appropriateness and applicability of credits to the degree program and on the comparability of the credit earned. Decisions regarding the awarding of credits are made by qualified University of Lynchburg faculty members and by the Office of the Registrar according to approved procedures and standards. Transfer evaluations are completed once the applicant has been admitted;
4. Academic advising takes place after a student is admitted to the University and submits the reservation fee; and
5. To qualify for graduation from University of Lynchburg, a student must complete a minimum of forty-eight semester hours in residence at University of Lynchburg. (Refer to the “Academic Degree Requirements” section for further details.)

Transfer applications may be submitted by using the University of Lynchburg application or by using the online internet application at the University website (www.lynchburg.edu). Competitive applicants should have taken at least one college-level course in core academic areas such as English, mathematics, or history. Students seeking to complete a degree at University of Lynchburg must complete at least 50 percent of the major requirements in

residence.

Applications should be submitted according to the following deadlines: July 31 for fall semester; November 30 for spring semester; and April 1 for summer sessions. Applications received after these deadlines will be considered based on space availability in the class. Nursing applicants: If you will be applying with an interest in the nursing program, please call the Office of Enrollment Services at 434.544.8300 for application deadlines.

The application should be complete in all details including the following:

1. The application form and a non-refundable \$30 application fee;
2. Official transcripts from each college attended indicating all college courses taken*;
3. Submission of secondary school transcripts (and SAT or ACT scores, if available) if fewer than twenty-four hours of college credit have been completed. GED documentation may also be required. The SAT or ACT is not required for students who are two or more years past high school graduation.; and
4. Optional (strongly encouraged): One letter of recommendation from a former professor or employer and a personal essay

*Official transcripts must be sent directly from the transfer institution to the Office of Enrollment Services, University of Lynchburg, 1501 Lakeside Drive, Lynchburg, VA 24501-3113.

Transfer for Qualifying VCCS Associate Degree Students

The Articulation Agreement between University of Lynchburg and the Virginia Community College system allows guaranteed admission to students with associate degrees in Arts, Science, or Arts and Science. Students who have a grade point average of 2.5 or higher are eligible for the guaranteed transfer of up to seventy-six credit hours. Such degrees will fulfill the University of Lynchburg's general education requirement except for a foreign language and a two-semester-hour senior symposium course.

University of Lynchburg and Central Virginia Community College Dual Enrollment Program

This dual enrollment program is available for students, who have graduated, or are about to graduate from high school and enroll at CVCC in either the Associate of Arts and Sciences or the Associate of Science degree program. Students admitted as part of this program can enroll at the University of Lynchburg to take one course each semester based upon space availability and completion of any prerequisite courses. Upon completion of academic requirements stipulated in the dual admission offer, a student will transfer to and complete the bachelor's degree at Lynchburg.

International Students

International students may apply to the University by submitting the University of Lynchburg application at the University website (www.lynchburg.edu).

Applications should be submitted by the following: fall class (August to December) deadline is June 1; spring class (January to May) deadline is

October 15. All applications received after these deadlines will be considered on space availability in the class.

All applications for admission will be carefully reviewed after all of the following documents have been received:

1. Completed application form (www.lynchburg.edu/apply);
2. Most current official secondary school transcript, translated into English. (Transcript must include all secondary school coursework.) Non-English transcripts and documents must be submitted in their original form, accompanied by a certified English translation. Unofficial documents and documents without accompanying English translations will not be accepted.;
3. Completion of the SAT or ACT; or
4. Proof of English language proficiency as demonstrated by Test of English as a Foreign Language (TOEFL/IELTS) or successful completion of an English as a Second Language (ESL) program at the advanced level (required of non-native English speakers only);
5. Solid content-based essay;
6. An official Certification of Finance and certified letter from the student or sponsor's bank verifying the information supplied on the Certificate of Finance*; and
7. Transcript evaluation for coursework completed outside the United States by an accredited educational evaluation service, such as WES or Joseph Silney & Associates.
8. Letter of Recommendation

* Students who are permanent residents of the United States are not required to submit the Certificate of Finance. The Certificate of Finance document may be requested from the Office of Enrollment Services on our website www.lynchburg.edu/admission.

Readmission

Any student whose enrollment at the University has been interrupted without an approved leave of absence must apply for readmission. Along with the application for readmission, the student must submit a minimum 250-word statement of reflection on his/her time away from the University and plan for success if readmitted. Students who were academically suspended should refer to the "Academic Standing" Section.

All students applying for readmission to University of Lynchburg should submit their applications according to these deadlines: July 31 for fall semester; November 30 for spring semester; and April 1 for summer sessions. Applications received after these deadlines will be considered based upon space availability in the class.

The following items must also be included with the application:

1. A 250-word essay;
2. A non-refundable \$30 application fee; and
3. Official transcripts for all coursework completed (if student attended any college(s) since last enrolled at University of Lynchburg). Transcripts should be forwarded to the Office of Enrollment Services.

An interview may be required.

Submit all of the requested information directly to Office of Enrollment Services, University of Lynchburg, 1501 Lakeside Drive, Lynchburg, VA 24501-3113. For further assistance, contact the Office at 800.426.8101 or 434.544.8300.

Non-Degree Admission

To ensure time for processing and review, applications for non-degree study should be completed no later than July 31 for fall term, November 30 for spring term, and April 1 for summer term. All undergraduate and graduate non-degree applicants should submit the following:

1. A signed non-degree application form verifying that all information supplied is valid;
2. A non-refundable \$30 application fee;
3. A statement of intent indicating the reasons the applicant is pursuing non-degree study; and
4. Official transcripts from each college (or high school for dual enrollment and early admission candidates) attended indicating all college (or high school) coursework completed. It is the responsibility of the student to request that official transcripts be forwarded from his/her college/university directly to the Office of Enrollment Services at University of Lynchburg early in the application process in order to receive a timely admission decision.

Additional materials are required for some non-degree categories. See below for category descriptions.

- Students completing the non-degree application form may not become candidates for a degree unless a formal application for regular undergraduate or graduate admission is submitted and approved.
- Credits earned are not always applicable towards a degree. Once admitted to a degree program, students should consult with their academic advisor to verify credits that are applicable towards a degree.
- Non-degree students are typically not registered for classes until degree-seeking students have registered for fall and spring semesters.

Categories of Non-Degree Admission

Students in the following categories must complete the non-degree application for admission.

Dual-Enrollment

Dual enrollment in University of Lynchburg is possible for qualified high school students during their senior year on a space available basis. Dual-enrolled students must demonstrate evidence that they possess the requisite knowledge, maturity, and ability to pursue the content in the chosen courses. Additional admission requirements include:

- The submission of official secondary school transcripts and standardized test scores (SAT or ACT if available)
- A letter of permission from the high school principal or director of guidance

Non-Degree Undergraduate

Students classified as “non-degree undergraduate” may enroll for personal enrichment or professional development only. Non-degree undergraduate students must demonstrate evidence that they possess the requisite knowledge, maturity, and ability to pursue the content in the chosen courses. Privileges to enroll as a non-degree undergraduate may be revoked at any time if the student fails to maintain the normal academic and social standards set by the University.

Visiting Undergraduate

Students classified as “visiting undergraduate” are students who are pursuing a degree at another institution and wish to enroll in classes at University of Lynchburg with the intention of transferring credits back to their primary institution. Students who enroll at University of Lynchburg as visiting undergraduate students must apply for each semester they wish to be enrolled. Students must submit a non-degree application and send an official transcript from the college or university in which they are currently enrolled.

Other Categories (Governors School, Private Music Lessons for Credit)

Additional admission requirements include securing written permission to enroll from the appropriate instructor. University credit in music is not offered to students who are pre-college in age and preparation.

SCHOLARSHIPS AND FINANCIAL AID

University of Lynchburg is particularly proud to be an institution that has historically welcomed students with diverse backgrounds, regardless of their ability to pay. The University makes every effort to provide financial aid opportunities to all students. Traditional-age students must be enrolled in a full-time undergraduate degree program to be considered for University academic scholarships, grants, and/or need-based financial aid.

With the exception of some academic scholarships described later in this section, students who wish to apply for grants, loans, or work-study should submit the Free Application for Federal Student Aid (FAFSA) via the web at www.fafsa.gov. Returning students who wish to renew financial aid must complete the FAFSA on the web each year aid is needed. The preferred deadline by which applications from entering freshmen, transfer, and returning students should be received is February 1.

Awards are considered on the basis of financial need and/or a student's academic profile. Awards are determined using a combination of grants and scholarships, loans, and work-study. Students must be in good academic standing and achieve the minimum quality point average required for aid to be renewed. Continuing students will receive a package after the FAFSA results are received and their academic standing is assessed.

Once the student completes all required paperwork, aid will be disbursed to the student's account at the beginning of each semester.

Access students (age 25 years and older) pay a reduced rate for tuition and may be eligible for some federal and/or state financial aid programs. Students are encouraged to apply using the FAFSA on the web at www.fafsa.gov as soon as possible or at least six weeks before their entering semester to ensure that funds are available at the time of registration.

Satisfactory Academic Progress Policy for Financial Aid Recipients

Federal regulations require institutions of higher education to establish minimum standards of satisfactory academic progress (SAP) for students receiving Title IV federal aid. All college course work must be considered, regardless of whether the student received federal financial aid at the time.

Financial aid at University of Lynchburg is awarded to students for the entire academic year or summer session. If an aid recipient's grade point average falls below the minimum standards during the award year, the recipient will be placed on financial aid warning for the subsequent semester or school term. If a student on warning fails to meet the standards of satisfactory academic progress outlined below, the student will be ineligible for financial aid for the subsequent enrollment period and will not receive consideration for aid again until the standards have been met.

The standards for determining progress at University of Lynchburg are composed of three separate measurements. These measurements are: grade point average (qualitative), incremental progress (quantitative), and accumulated hours (maximum timeframe). A student whose average drops below the minimum requirement will be placed on financial aid warning for the subsequent semester.

Grade Point Average:	Hours Completed	Minimum Required	Cumulative GPA (4.0 scale)
	(UL and Transfer)		
<i>Undergraduate</i>	0 – 18		1.00
	19 – 36		1.60
	37 – 54		1.70
	55 – 72		1.80
	73 – 90		1.90
	90 +		2.00
<i>Graduate/Advanced Degree Student</i>			3.0

Incremental Progress: University of Lynchburg students must complete at least 67% of all hours attempted towards graduation. Repeated courses and courses with a grade of W, F, I, IP, Z, NG, or E will count as attempted coursework and not as completed coursework. A grade of S/NC or Z will not be counted in attempted coursework; they are not eligible for financial aid. This should be kept in mind when planning a schedule to assure completion in enough credit hours to be considered making incremental progress. Students repeating a course, previously passed may do so only once. A course repeated more than once will not be included when determining enrollment status.

Accumulated Hours: Students that receive financial aid at University of Lynchburg are allowed up to 150% of the published credit hours needed to graduate in their program. For example, if the chosen program requires 124 credits to graduate, the student must complete their degree within 186 attempted hours. For example a graduate program that requires 60 hours is allowed up to 90 credits to graduate.

Review Process: If after the warning period, a student is denied financial aid for failure to meet any of the above standards for satisfactory academic progress, the student may request an appeal of the decision. Such a request must be caused by one of the following reasons:

- the death of a relative of the student;
- an injury or illness of the student; or
- other special circumstances.

If the appeal is approved, a student will receive financial aid on a probationary status and an academic plan may be required. At the end of the semester, the student will be evaluated according to the SAP Policy to determine if financial aid will be awarded for the next semester.

Please make your appeal request in writing and it should be addressed to the Financial Aid Review Committee, c/o University of Lynchburg, Office of Financial Aid, 1501 Lakeside Drive, Lynchburg, VA. 24501-3113. If you have questions, please contact the Office of Financial Aid at 434.544.8228.

University of Lynchburg Academic Scholarships

All academic scholarships and grants listed below pertain to enrollment during the fall and spring semesters. University scholarships and grants may NOT be applied to tuition costs for study abroad, winter or summer terms.

University of Lynchburg recognizes and rewards academic excellence by offering a range of merit scholarships for traditional-age undergraduate

students and may include scholarships awarded through an invitational scholarship program. These merit scholarships can only go to pay towards tuition. This may impact certain tuition exchange benefits.

These scholarships are renewable for an additional three years to full-time students who continue to meet eligibility requirements. If a student also demonstrates financial need, the amount of the academic scholarship will be counted toward satisfying that need. If a student is found eligible for more than one University academic scholarship, he or she is awarded the scholarship of the highest monetary value.

Freshman and transfer applicants admitted to the University as traditional age, full-time, degree-seeking students for the fall or spring terms will be notified automatically if they meet the requirements for nomination or selection for any award.

Examples of these awards and the QPA required to maintain this award and invitational scholarship competition awards, if applicable, include:

- Hopwood Scholarship (2.75)
- Founders Scholarship (2.75)
- Trustee Scholarship (2.5)
- Presidential Scholarship (2.5)
- Dean's Scholarship (2.5)
- Alumni Award (2.0)
- Achievement Award (2.0)
- Trustee Transfer Scholarship (2.75)
- Dean's Transfer Scholarship (2.5)
- Alumni Transfer Award (2.5)
- Achievement Transfer Award (2.0)

A student's QPA will be assessed at the end of each academic year. If a student falls below the QPA required to maintain the award or scholarship, he/she will be placed on merit probation for the following academic year. If the student does not meet the QPA requirement after the probationary period, the student may request a review. See the review process under the satisfactory academic progress policy in this section. The funding source for a student's academic scholarship may be identified during the academic year.

University of Lynchburg Grants

University grants are need-based awards included in financial aid packages of students who have demonstrated financial need. Need is determined by the student's cost of attendance (i.e., tuition, room, board, activity fee, etc.) less the expected family contribution determined by the Free Application for Federal Student Aid (FAFSA). Contact the Office of Financial Aid or visit the webpage at www.lynchburg.edu/financial-aid to obtain a breakdown of a student's cost of attendance. Awards will vary depending upon need level and other aid received by the student. Students filing the FAFSA are automatically considered for one of these awards. Need-based awards may be renewable for an additional three years as a full-time student based on the results of the FAFSA. The funding source for a student's University of Lynchburg grant may be identified during the academic year.

State Grants

Several state scholarship and grant programs are available to students who attend University of Lynchburg. The amounts of awards and eligibility requirements vary by state. State agencies should be contacted to determine the eligibility criteria and portability of such grants.

Virginia residents may be eligible for assistance from the State Council of Higher Education for Virginia. One program, the state-funded Virginia Tuition Assistance Grant (VTAG), provides tuition grants to full-time students attending private colleges in Virginia. Applications are available from the Office of Financial Aid, and the deadline is July 31. This award is renewable provided the student maintains full-time enrollment for up to eight semesters for undergraduate academic work. In addition, transfer students from Virginia Community Colleges who meet certain criteria may also qualify for state funding called Two Year College Transfer Grant.

Federal Pell Grant

The Federal Pell Grant Program is a federal aid program designed to provide financial assistance to exceptionally needy undergraduate students. Grants covered in this program range from \$590 to \$5,815 for 2016-17 according to financial need as demonstrated on the Free Application for Federal Student Aid (FAFSA), and the expected family contribution (EFC).

Federal Supplemental Educational Opportunity Grant

These grants, funded annually by the federal government, are for undergraduate students who demonstrate exceptional financial need and are eligible for the Federal Pell Grant. The amount of the grant varies from \$100 to \$4,000, according to financial need as documented on the Free Application for Federal Student Aid (FAFSA) and is subject to allocated funding from the Department of Education.

Teach Grant

The Teacher Education Assistance for College and Higher Education (TEACH) Grant Program provides up to \$4,000 a year in grant assistance to students completing coursework needed to begin a career in teaching. The TEACH Grant is available to undergraduate, graduate, and post baccalaureate teacher program students who 'Agree to Serve' as a full-time teacher at certain low-income schools and within certain high-need fields for at least four academic years within eight years after completing the program. If the TEACH Grant recipient fails or refuses to carry out the teaching obligation, the amounts of the TEACH Grant received are treated as Federal Unsubsidized Stafford Loan and must be repaid with interest.

Student Loans**Federal Direct Loan Program**

The Federal Direct Loan Program offers low-interest, guaranteed student loans that do not require repayment until the student graduates, leaves college, or ceases to be enrolled at least half time. Repayment may also be deferred while attending graduate school, for economic hardship/unem-

ployment up to three years, and for participation in a rehabilitation training program for the disabled. Qualified students may receive federal interest subsidy on their loans while attending college (i.e., the government pays the interest on the loan each year the student is in school at least half time). The Free Application for Federal Student Aid (FAFSA) must be filed to determine Federal Direct Loan eligibility from the subsidized (need-based) and/or the unsubsidized (non-need-based) programs. Additional information about this program and other student loan programs is available from the University of Lynchburg Office of Financial Aid.

Federal Direct Parent Loan For Undergraduate Students (PLUS) Program

This program allows credit-worthy parents to borrow the difference between the cost of attending University of Lynchburg and any financial aid received by a student. The interest rate is variable. Depending on the amount borrowed, the parent(s) will have up to ten years to repay. Repayment typically begins within sixty days of the second disbursement of the loan proceeds to the University; however, other repayment options are available from certain lenders.

Student Employment Opportunities

The University offers work opportunities funded by the Federal Work-Study Program and the University Work Program. Student wages are paid directly to the student. The Federal Work-Study Program (FWS) is a federally funded, need-based student employment program intended to develop job skills, encourage community service activities, and assist students who need extra earnings from employment to help offset costs associated with university. The University Work Program is similarly designed, but the student does not have to demonstrate need. Opportunities in both programs include work in the library, science laboratories, administrative and academic offices, food service, maintenance, athletic department, Information Technology and Resources, etc. Applications are available from the Office of Human Resources/ Student Employment or by visiting the website.

Return of Financial Aid

University of Lynchburg policy for the return of federal Title IV funds complies with regulations contained in Section 668.22 of the Higher Education Amendments of 2010. A student who withdraws from the University will be subject to the federal policy regarding the return of Title IV aid, state regulations regarding the return of any state funding, and University of Lynchburg policy regarding the adjustment of any institutional aid received by the student. Students on a University leave of absence (except for studies abroad) are considered withdrawn students. A student's withdrawal date is the date the student began the withdrawal process, the student's last date of academic attendance, or the midpoint of the semester for a student who does not provide official notification of his or her intent to withdraw.

The return of federal Title IV aid will be determined by the amount of unearned Title IV assistance awarded to the student. Title IV aid includes the

programs listed below, and any funds that must be returned will be allocated in the order listed below:

- Federal Direct Unsubsidized Stafford Loans
- Federal Direct Subsidized Stafford Loans
- Federal Perkins Loans
- Federal Direct PLUS Loans (Graduate or Parent)
- Federal Pell Grants
- Other Title IV assistance
- Federal SEOG
- TEACH Grant

A withdrawn student will be allowed to retain only the amount of federal Title IV aid earned during the semester. The percentage of earned aid is determined by the number of days the student completed during the semester. The complement of this percentage is applied to the total amount of Title IV assistance that was disbursed or that could have been disbursed to calculate the amount that must be returned to the federal programs. Once a student completes 60 percent of the semester, the student is considered to have earned 100 percent of the Title IV aid awarded to him/her. In addition to any funds the institution may be required to return, the student may also be responsible for returning any funds that were disbursed directly to him/her for which the student was determined ineligible to receive.

State funding will be returned in compliance with that state's regulations. University grants and scholarships will be adjusted based on the percentage of tuition paid. For example, a student who withdraws and receives a 25 percent tuition credit will lose 25 percent of his/her institutional aid. See the "Refund Policy" in the Expense section for the amount of tuition credit a withdrawn student is eligible to receive.

EXPENSES

Application Fee

A non-refundable fee of \$30 is charged for processing each new application for admission. This fee is not applicable to other University expenses.

Reservation Deposit

Full-Time Degree-Seeking Students

University of Lynchburg limits the number of full-time students so it can maintain the highest possible quality education.

Individuals who have been accepted for admission to the University as traditional-age or Access (age 25 or older) full-time students must confirm their intention to enroll by making a deposit of \$300 by May 1 or within two weeks of admission if accepted after May 1. In addition, students who will reside on campus must reserve their room by paying a second deposit of \$200, also due by May 1 or within two weeks of admission if accepted after May 1. These two deposits will serve to reserve a space for each new entering student for the first semester. At the beginning of that semester, the \$200 room deposit will be applied to that semester's room charge. The \$300 will serve as a contingency deposit for the duration of enrollment at University of Lynchburg; therefore, this \$300 may not be used for any other purpose. Under certain circumstances, students may receive an extension of the deposit due date. The request must be made in writing and submitted to the Office of Enrollment Services.

Deposits will be refunded only if the Office of Enrollment Services is notified in writing prior to May 1. For students admitted through early decision, the \$300 deposit is non-refundable.

Part-Time Degree-Seeking Students

Individuals who have been accepted for admission to the University as traditional age or Access (age 25 and older) part-time students must confirm their intention to enroll by making a deposit of \$100 by May 1 or within two weeks of admission if accepted after May 1. This deposit will serve to reserve a space for each new entering student for the first semester.

Deposits will be refunded only if the Office of Enrollment Services is notified in writing prior to May 1.

Contingency Deposit Refund

Currently Enrolled Students

Students who are enrolled for the fall semester but elect not to continue their enrollment for the spring semester must notify the Business Office in writing on or before the last day of the fall semester examination period or forfeit the contingency deposit.

Students who are enrolled for the spring semester but elect not to return for the fall semester must notify the Business Office in writing prior to June 1 or forfeit the contingency deposit (if they have not paid the enrollment deposit for the fall).

Graduating Students

No application for the deposit refund is necessary. Refunds to graduating students will be mailed after the end of the semester. Any unpaid charges for property damage, loss of equipment, parking fines, library service, and the like will be deducted from the deposit and any remaining balance will be returned.

Continuing Student Enrollment Deposit

To serve returning students adequately, the University must know by spring of each year how many students will return in the fall. Therefore, each resident student should pay a \$600 enrollment deposit and each non-resident student should pay a \$200 enrollment deposit by February 28. This deposit will be applied to tuition, room, and board charges for the fall and must be repaid each year a student plans to enroll.

Continuing Student Enrollment Deposit Refund

A student who withdraws from the University prior to June 1 will receive a refund of 100 percent of the enrollment deposit; a student who withdraws June 1 or later is not entitled to any refund.

Tuition, Room, and Meal Plan Rates

Full-Time Traditional-Age Students

All charges are to be paid on or before August 1 and January 2 for the respective fall and spring semesters of the 2018-19 academic session. A late payment fee of \$75 will be added if payment is not received (or other arrangements made with the Business Office) by that date.

The rates for full-time students (those taking twelve to eighteen hours a semester) normally increase each year by action of the Board of Trustees.

Rates	Each Semester
Tuition	\$19,280.00
Room:	
Residence hall room-double occupancy	\$2,900.00
Residence hall room-single occupancy*	\$3,200.00
Residence hall pod-double occupancy*	\$3,000.00
Apartment/house room-double occupancy*	\$3,100.00-\$3,300.00
Apartment/house room-single occupancy*	\$3,400.00-\$3,600.00
Townhouse-double occupancy*	\$3,600.00
Townhouse-single occupancy*	\$4,100.00
Peakview Hall - single occupancy*	\$4,100.00
* Available only on a limited basis	

Meal Plans: All students living in University housing must have a meal plan.

Unlimited meal plan.....	\$2,500.00
Hornet Plan 500	\$500.00
Hornet Plan 750	\$750.00

Overload Fees

Students taking more than eighteen hours in a semester are charged an additional fee per semester hour over eighteen hours after the first three weeks.

Rate (per semester hour).....	\$525.00
Rate for Auditing (per semester hour).....	\$262.50

Tuition, supplemented by other University funds, covers the costs of instruction, certain health services, certain recreational facilities, the Fine Arts and Lecture series, and many student activities including publications, athletics, theater productions, music groups, and religious services.

Students who live off campus may participate in the University's dining program. The Business Office will provide information and rates upon request.

Part-Time Students

2018-19 Rates

Tuition for 7 or fewer hours (per semester hour)	\$525.00
Tuition for more than 7 hours (per semester hour).....	\$1,050.00
Tuition for auditing (per semester hour)	\$262.50

Access Students (Age 25 And Older)

2018-19 Rates

Tuition (per semester hour)	\$525.00
Tuition for auditing (per semester hour)	\$262.50

The above rates for Access students (age 25 and older) have already been reduced by the 50 percent discount they receive. (See the Transfer and Access students section under Admissions.)

Second Degree Nursing

2018-19 Rates

Tuition (per semester hour)	\$665.00
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January And Summer Tuition

The above tuition rates apply to the fall and spring semesters. Winter (J-term) and summer terms are optional and incur a separate tuition fee for those students who elect to participate. During the winter and summer terms all students (full-time, part-time, or Access) are charged tuition on a credit-hour basis as follows:

Summer 2018 (per credit hour)	\$525.00
January 2019 (per credit hour)	\$525.00

Student Activities Fee

The Student Activities Fee provides support for student activities and organizations. The funds are managed by the Student Government Association in accordance with standard University of Lynchburg accounting practices. The fee is charged on a semester basis to all full-time students and is refunded using the same guidelines as tuition refunds.

2018-19 Rates

Traditional-age students	\$105.00
Access (age 25 and older) students	\$32.50

Comprehensive Technology Fee (Resident Students)

The comprehensive technology fee is used to provide technology-related services to resident students including network access, computer labs, telephone service, and cable television.

2018-19 Rate

Full-time resident students (per semester)..... \$300.00

Technology Fee

The technology fee is used to purchase or upgrade computers for classrooms and computer labs, and the cost of operating the computer labs.

2018-19 Rates

Full-time non-resident students (per semester) \$60.00

Part-time non-resident students (per credit hour)..... \$5.10

Facilities Fee

The facilities fee is used for the construction, maintenance, and operation of new facilities for student activities.

2018-19 Rate

Full-time traditional-age students (per semester).....\$80.00

Special Fees

2018-19 Rates

Private Music Fees

Undergraduate full-time traditional-age credit students

(per semester half-hour) \$300.00*

This fee is in addition to the appropriate tuition and is refundable on the same basis as tuition. Private music charges are excluded from an overload charge.

Access and part-time credit students

(per semester half-hour) \$350.00

Non-credit lessons

(per semester for half-hour of instruction) \$325.00

For non-credit lessons, register in the Music Department. Do not register with the registrar’s office.

Late Registration Fee..... \$ 5.00

Out-of-Residence Graduation Fee..... \$100.00

International Student Orientation Fee \$100.00

***Exception:** For full-time music majors the cost is exempt for the one hour of instruction in their area of performance concentration, not to exceed 8 classes or 1 per semester; however, full-time, non-traditional-age students must pay the tuition credit portion of the fee.

Residence hall damages, parking fines, library fines, and the like are payable when invoiced.

Several programs require fees in addition to tuition. Among these are the equestrian team, nursing, music, athletic training, art, lab, and certain specialized courses in other programs. These fees are typically noted on the course syllabus and in individual course descriptions.

Tuition, room, board, and other fees may be subject to change by the Board of Trustees at its discretion.

Method of Payment

Full-Time Traditional-Age Students

Payment of all fees is required by August 1 for the fall semester and by January 2 for the spring semester. All checks should be made payable to University of Lynchburg and sent with a signed copy of the financial plan invoice to the attention of student accounts in the Business Office.

The University also provides a monthly payment plan through automatic bank drafts. Information concerning this payment plan may be obtained online at the following website: www.lynchburg.edu/business-finance/bank-drafts. The website to make online payments is www.lynchburg.edu/payments.

Failure to satisfy general obligations, as well as those incurred for any other fee or fines, will result in interest charges of 1.5 percent per month and may result in denial of class attendance, grade transcripts, diplomas, dining hall and residence hall privileges, and reenrollment. The University considers the charges for tuition, room, board, and other expenses to be a joint obligation of both parents and students.

Access and Part-Time Students

Payment of all charges is required by August 1 for the fall semester and by January 2 for the spring semester. Methods of payment include cash, check, MasterCard, VISA, Discover, and American Express.

Failure to satisfy general obligations, as well as obligations incurred for any other fee or fines, will result in interest charges of 1.5 percent per month and may result in denial of class attendance, grade transcripts, diplomas, dining hall and residence hall privileges, and reenrollment. The University considers the charges for tuition, room, board, and other expenses to be joint obligations of both parents and students.

Withdrawal Refund Policy

A student who withdraws or is separated from the University for any reason prior to the beginning of a semester will receive a credit in full for that semester. A student who withdraws or is separated from the University for any reason other than a physical disability once the semester has started will receive a credit of the proportionate share of the fees including tuition, room and board on the following basis:

During the first two weeks of the semester	90 percent of total fees
During the second two weeks	50 percent of total fees
From the fifth week through the eighth week	25 percent of total fees
After the eighth week of the semester	No Credit

For medical withdrawals, in which students are disabled for the remainder of the semester (as certified by a legally qualified physician), the total tuition, room, and board charges (not including the Hornet plan) for the semester are prorated and the unused portion is credited. Medical withdrawals apply to fall and spring semesters only.

In the event the University takes a recess from classes during a pandemic, students will continue to be enrolled. There would be no credit for the semester charges for tuition, room or board unless a student officially withdraws. In those cases, the credit would be based on which week in the semester the student officially withdraws.

Refund Procedure

If a credit balance is created on the student's account, reimbursement of this credit balance will be processed as soon as possible. The refund procedure is an involved process that requires a minimum of one week to complete, except at the beginning of each semester when a minimum of two weeks is necessary.

All unpaid charges including University account balances will be deducted first.

Federal regulations governing Title IV financial aid programs require that the University of Lynchburg Office of Financial Aid determine the amount of the refund that must be paid back to the financial aid programs if the student received aid for educational expenses. Therefore, some or all of a student's refund may be allocated to financial aid programs and not refunded to the student.

Student Accounts

Students are encouraged to monitor their account information by visiting "myLynchburg" at <https://my.lynchburg.edu> and clicking the Students On-line icon.

ALUMNI PROGRAMS

Alumni Relations

The Lynchburg Alumni Association, under the leadership of officers and a board of directors, strives to develop and strengthen the relationships among current students, alumni, and the University. Student Government Association (SGA) members serve on the Alumni Board and report their activities to members of the Alumni Board. Programs sponsored by the Alumni Association include Homecoming, Westover Alumni Weekend (for alumni who attended the University forty-five or more years ago), class reunions, alumni chapter activities, an alumni travel program, career networking, alumni awards, and activities for current students to introduce them to the Alumni Association.

The Office of Alumni Relations acts as coordinator for these activities and serves as liaison among the University, students, and organized alumni events. This office is also responsible for the maintenance of all alumni-related social media and alumni records, the publication of an alumni directory, and the development of Class Notes for the University of Lynchburg Magazine. The Alumni Association encourages alumni to support The Annual Fund and other fundraising projects.

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 Andrea S. Poncé, BA, Benefits Specialist
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 Audrey O. Revis, Financial Analyst and Grant Accountant
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 Tim Z. Mason, Grounds Supervisor
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 Andrew S. Bray, Assistant Service Coordinator
 Richard W. Cash, MEd, Dining Services Manager
 Lauren E. Ferry, BA, Conference and Event Manager
 Tracey L. Jamerson, Office Manager, Dining Services
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 Laura E. Sprouse, Stockroom/Purchasing Coordinator
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 Alexandra E. Cash, BS, Admissions Counselor
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 Lola L. Provenzola, Telecounselor (PT)
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Thurman "Dee" Brown, BA, Campus Safety and Security Officer III

Dean D. Caifano, Deputy Director, Campus Safety and Security

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Cheryl Murphy-Anderson, Campus Information Receptionist II

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Sherry A. Riley, Campus Information Receptionist I

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Willie R. Shoemaker, Campus Safety and Security Officer I

R. Lee Singleton, Campus Safety and Security Officer II

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Vacant, Campus Safety and Security Officer

Vacant, Campus Safety and Security Officer (RPT)
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- WILL BRIGGS, PhD, Professor of Computer Science
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- JAMIE BROOKS, PhD, Assistant Professor of Biology
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- JEREMY BRYANT, MFA, Director of the Wilmer Writing Center/Assistant Professor
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- URSULA BRYANT, MFA, Associate Professor of Art
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- SIOBHAN BYRNS, MAT, MFA, Associate Professor of Art
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- SUZANNE C. CALVERT, EdD, Assistant Professor of Business Administration & Accounting
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BA, Central Washington State University; MBA, PhD, Washington State University.
2002-.
- ARIEL K. MYERS, MLIS, Public Services Librarian, Instructor Librarian
BA, Alfred University; MLIS, University of Pittsburgh. 1999-.
- MARIA L. NATHAN, PhD, Professor of Management
BA, MA, University of Akron; MA, University of Missouri; PhD, University of Southern
California. 2000-.
- JOYCE NICHOLAS, PhD, Assistant Professor of PA Medicine
BA, Lenoir-Rhyne College; MS, Clemson University; MS, University of Tennessee; PhD,
Medical University of South Carolina. 2016-.
- STEFAN NICOVICH, PhD, Associate Professor of Marketing
BA, University of Colorado; MBA, Memphis State University; EdD, University of
Memphis. 2005-.
- WILLIAM D. NOEL, MFA, Director of Donovan Media Development Center, Associate
Professor of Journalism
BA, University of Texas at Arlington; MFA, Southern Methodist University. 2000-.
- TODD L. OLSEN, PhD, Women's Soccer Coach, Professor of Health Promotion
BS, Slippery Rock University of Pennsylvania; MS, Loughborough University, England
UK; MPH, PhD, University of Pittsburgh. 1994-.
- CHRISTOPHER OTWELL, MFA, Assistant Professor of Theatre
BA, Albion College; MFA, Wayne State University. 2014-.
- MICHAEL G. OURS, MSLS, Public Services Librarian/Electronic Resources/Webmaster,
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BA, University of Virginia; MSLS, Clark-Atlanta University. 2006-.
- MAREK PAYERHIN, PhD, Professor of Political Science and International Relations
BA, MA, Jagiellonian University - Cracow; MA, PhD, University of Connecticut. 2005-.
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DAVID R. PERAULT, PhD, Professor of Biology and Environmental Science
BA, University of Virginia; MS, Utah State University; PhD, University of Oklahoma.
1998-. (sabbatical leave of absence, spring 2019).

KEVIN M. PETERSON, PhD, Professor of Mathematics
BS, University of Central Florida; MS, PhD, University of Florida. 2000-.

LINDSAY PIEPER, PhD, Associate Professor of Sport Management
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GERALD T. PRANTE, PhD, Associate Professor of Economics
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RICHARD G. PUMPHREY, MFA, Professor of Art
BA, Lynchburg College; MFA, University of Georgia. 1981-.

KATHLEEN F. PUTNAM, PhD, Assistant Professor of Nursing
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College of Virginia. 2016-.

CYNTHIA RAMSEY, DMA, Associate Professor of Music, Staff Accompanist
BMed, James Madison University; MMed, DMA, Shenandoah Conservatory of
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LAURA READ, PA-C, Assistant Professor of PA Medicine
BS, James Madison University; MS, Jefferson College of Health Science. 2014-.

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BA, Quincy University; BS, MPAS, University of Nebraska Medical Center; MHA,
Webster University; BHSc, NOVA Southwestern University. 2018-.

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BS, University of Maryland; MS, George Mason University; PhD, Virginia Polytechnic
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DAVID H. RICHARDS, PhD, Associate Professor of International Relations/Political Science
BA, Kenyon College; MA, PhD, American University. 2007-.

- WILLIAM ROACH, PhD, Assistant Professor of Physics
BS, Virginia Commonwealth University; MS, PhD, College of William and Mary. 2013-.
- MICHAEL G. ROBINSON, PhD, Professor of Communication Studies
BA, BS, University of Maryland at College Park; MA, Indiana University; PhD, Bowling Green State University. 2000-.
- SHARON D. ROBINSON, PhD, Director of the Modern Language Resource Center,
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BA, Radford University; MA, PhD, University of North Carolina at Chapel Hill. 2000-.
- JENNA ROLFS, MPAS, Associate Director/Assistant Professor of PA Medicine.
BS, MPAS, Butler University. 2018-.
- KATHERINE ROSEAU, PhD, Assistant Professor of French
BA, Anderson University; MA, Middlebury College; PhD, Purdue University. 2018-.
- JAMES ROUX, PhD, Professor of Communication Studies
BS, Nicholls State University; MA, PhD, Bowling Green State University. 1999-.
- BARTLEY RUST, DHSc, MPAS, PA-C, Associate Professor of PA Medicine
BS, Brigham Young University; BS, Roanoke Valley College of Health Science; MPAS,
University of Nebraska Medical Center College of Medicine; DHSc, Nova Southeastern
University. 2017-.
- HEATHER RYAN-SIGLER, MS, Assistant Professor of Science
BS, Rutgers University; MS, East Tennessee State. 2004-.
- NINA V. SALMON, PhD, Associate Professor of English
AB, Randolph-Macon Woman's College; MEd, Lynchburg College; PhD, Virginia
Polytechnic Institute and State University. 1997-.
- NICHOLE SANDERS, PhD, John Franklin East Distinguished Professor of Humanities,
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BA, University of Texas at Austin; MA, Southwest Texas State University; PhD,
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- MICHAEL W. SANTOS, DA, Professor of History
BA, Stonehill College; MA, DA, Carnegie-Mellon University. 1984-.
- ELIZABETH A. SAVAGE, PhD, Associate Professor of Westover Honors/English
BA, Agnes Scott College; MA, PhD, University of Illinois – Urbana- Champaign. 2008-.
- JESSICA SCHELD, PhD, Assistant Professor of Economics
BS, Saint Michaels College; MS, University of Vermont; PhD, State University of New
Jersey. 2016-.
- LEON SCHIMMOELLER, DBA, Associate Professor of Business Administration
BT, University of Dayton; MBA, Oakland University; DBA, Nova Southeastern
University. 2003- (sabbatical leave of absence, spring 2019).

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ERIC SCHMIDT, JR, PhD, Assistant Professor of PA Medicine.

BS, Pennsylvania State University; MS, University of Chicago; PhD, University of Calgary, Canada. 2015-.

MICHAEL SCHNUR, DBA, Assistant Professor of Economics

BS, Adelphia University; MBA, C.W. Post College; DBA, Northcentral University. 2001-.

GEORG SCHWARZMANN, PhD, Associate Professor of German and Spanish

MA, PhD, University of South Carolina. 2005 -.

F. JOHNSON SCOTT, MM, Assistant Professor of Music

BS, James Madison University; MM, Shenandoah Conservatory of Shenandoah University. 2007-.

SALLY C. SELDEN, PhD, SPHR, Provost and Vice President, Professor of Management

BA, MAPA, University of Virginia; PhD, University of Georgia. Jan. 2001-.

THOMAS D. SHAHADY, PhD, Director of Center for Water Quality, Professor of Environmental Science

BS, Guilford College; MSPH, University of North Carolina-Chapel Hill; PhD, North Carolina State University. 2000-.

KRISTIN SHARGOTS, MSN, Clinical Assistant Professor of Nursing

BA, Kent State University; BSN, Waynesburg University; MSN, Lynchburg College. 2018-.

JACINDA SHIN, MSN, Clinical Assistant Professor of Nursing

AA, BS Emmanuel College; BSN, MSN, Liberty University. 2018-.

AARON D. SMITH, MED, Diversity & Inclusion Officer/Assistant Professor

BA, MED, EDD (IP), Lynchburg College. 2011-.

RUSSELL SMITH, Jr., EdD, Dean, College of Health Sciences, Professor of Physical Therapy

BS, University of Maryland – Baltimore; MMSc, Emory University; EdD, University of Florida. 2011-.

STEPHEN SMITH, EdD, Associate Professor of Health and Physical Education

BS, MEd, Lynchburg College; EdD, University of Virginia. 2003 -.

JEAN ST. CLAIR, PhD, Professor of Nursing

BSN, Radford University; MSN, University of North Carolina-Chapel Hill; PhD, Virginia Commonwealth University. 2008-.

JOHN D. STYRSKY, PhD, Associate Professor of Biology

BS, Southwestern University; MS, Illinois State University; PhD, Auburn University. 2006-.

COLBY M. TAKACS, MPH, Instructor of Health Promotion

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BAHAEDDINE TAOUFIK, PhD, Assistant Professor of Data Science and Statistics

BSc, MSc, Pierre and Marie Curie University- Paris 6; PhD, Pennsylvania State University. 2017-.

- CHRISTINE TERRY, PhD, Associate Professor of Biology
BS, University of Massachusetts- Amherst; PhD, University of Wisconsin – Madison.
2011-. (sabbatical leave of absence, spring 2019).
- SAMRAT B. THAPA, PhD, Assistant Professor Chemistry
BS, Lyon College; PhD, University of Arkansas. 2014-.
- DOUGLAS H. THOMASEY, MS, Assistant Professor of Mathematics
BS, Lynchburg College; MS, University of Florida. 2008-.
- ASHLEY B. THOMPSON, PhD, Associate Professor of Sociology
BA, University of North Carolina-Asheville; MA, PhD, Vanderbilt University. 2008-.
- ELZA C. TINER, PhD, Professor of Latin and English
BA, Seton Hall University; MA, MSL, PhD, University of Toronto. 1989-.
- CANDACE E. TODD, PhD, Assistant Professor of Communication Studies
BA, Manchester College; MA, California State University at Sacramento; PhD,
University of Iowa. 1999-.
- MERRILL P. TOLBERT, EdS, Associate Professor of Education and Human Development
BS, Slippery Rock State College; MEd, Duquesne University; EdS, University of Miami;
further graduate study, Virginia Polytechnic Institute and State University. 1980-.
- KENNETH E. WAGNER, PhD, JD, Associate Professor of Criminology
BS, MS, PhD, Virginia Commonwealth University; JD, Taft Law School. 2006-.
- ELYSE WATKINS, DHSc, Clinical Associate Professor of PA Medicine/Doctor of Medical
Science
BA, Virginia Commonwealth University; BS, George Washington University; MS,
California State University; DHSc, Nova Southwestern University. 2018-.
- CHARLES E. WALTON, PhD, Dean, Lynchburg College of Arts & Sciences, Professor of
Sociology
BA, Virginia Wesleyan College; MS, Virginia Commonwealth University; PhD, Virginia
Polytechnic Institute and State University. 2003-.
- HEATHER WEIDNER, PhD, Assistant Professor of History
BA, Swarthmore College; MA, PhD, University of Virginia. 2018-.
- JEREMY WELSH, DHSc, PA-C, EM-CAQ, CMI, CFC, DFAAPA, CHEP, Associate Dean,
College of Health Sciences - PA Medicine, Program Director/Associate Professor of PA
Medicine
BS, Utica College of Syracuse University; MPA, University of Nebraska Medical Center;
DHSc, AT Still University; post-graduate certificate, Seton Hall University School
of Law; post-graduate certificate, Philadelphia University; post-graduate certificate,
American College of Forensic Examiners; Certified Medical Investigator; Certified
Medical Consultant. 2013-.
- FRANCIS R. WHITEHOUSE JR., MBA, Professor of Business
BA, University of North Carolina; MA, Drake University; MBA, University of Virginia;
further graduate study, University of Maine, Virginia Polytechnic Institute and State
University. 1980-.

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ROBYN J. WILLIAMS, MS, Public Services Librarian/Cataloguer, Assistant Librarian
BA, Alice Lloyd College; MS, University of Tennessee. 2006-.

KATHRYN J. WILLIAMSON, DPT, Instructor of Biology
BS, University of Virginia; MPT, DPT, Shenandoah University. 2015-.

RACHEL WILLIS, MA, Instructor of Westover Honors/English
BA, MEd, Liberty University; MA, Lynchburg College. 2012-.

JEFFREY K. WITTMAN, MFA, Professor of Theatre
BA, West Virginia Wesleyan College; MA, Bowling Green State University; MFA,
National Theatre Conservatory, Denver. 1988 -.

LORETTA L. WITTMAN, MALS, Associate Professor of Theatre
BFA, Syracuse University; MALS, Hollins College. 2015-.

GUANG YANG, PhD, Assistant Professor of Marketing
BA, Harbin Institute of Technology; MA, Dongbei University – PR China; PhD,
University of California-Irvine. 2016-.

PAULA YOURA, PhD, Director of Center for Professional Communication, Professor of
Communication Studies
BA, California State University at Sacramento; MA, University of California at Davis;
PhD, Pennsylvania State University. 1991-. (sabbatical leave of absence, fall 2018).

JURGEN ZIESMANN, RND, Assistant Professor of Biology
BS, MS, RND, University of Bayreuth – Germany. 2015-.

REGULAR PART-TIME FACULTY

THOMAS C. BRICKHOUSE, PhD, Professor of Philosophy
BA, Washington and Lee University; MA, PhD, Vanderbilt University. 1974-.

OWEN C. CARDWELL, Jr., PhD, Rosel Schewel Distinguished Professor of Education and
Human Development
BA, Virginia Seminary and College; MTS, School of Theology, Boston University; PhD,
Union Institute and University. 2018-.

STEPHANIE FERGUSON, PhD, RN, FAAN, FNAP, Professor of Nursing
BSN, PhD, University of Virginia; MS, Virginia Commonwealth University - Medical
College of Virginia. 2010-2012, 2016-.

JOSEPH FREEMAN, III, PhD, Professor of Political Science
AB, Indiana University; MA, PhD, University of Virginia. 1970-2005. Emeritus.

DAVID HAGEMAN, PhD, Instructor of History
BA, Miami University; PhD, University of Illinois. 2008-.

ALISSA R. KEITH, MA, Instructor of English
BA, MEd, Liberty University; MA, Lynchburg College; MA, University of Texas. 2018-.

- BEVERLY RHOADS, MFA, Associate Professor of Art
BFA, Western Carolina University; MFA, University of Pennsylvania. 1997-.
- STEPHANIE RiCHARDE, PhD, Assistant Professor of Psychology
BS, Virginia Polytechnic and State University; MA, University of Central Florida; PhD,
Chicago School of Professional Psychology. 2018-.
- THOMAS H. SCOTT, PhD, Director of Health Informatics Management/Associate Professor
of Health Science
BBA, PhD, University of Chicago. 2018-.
- CHRIS SHARP, PhD, Visiting Assistant Professor of Music
BA, PhD, University of Florida; MA, University of Miami. 2015-.
- ELIZABETH G. SHARRETT, PhD, Assistant Professor of English
BA, The College of William and Mary; MA, PhD, University of Birmingham – UK.
2017-.
- KEITH SMITH, MCJ, Instructor of Criminology
AS, Tidewater Community College; BS, Christopher Newport University; MCJ, Boston
University. 2016-.
- ENZA I. STEELE, MS, Associate Professor of Health and Physical Education
Field Hockey Coach, Senior Women’s Administrator
BA, William Paterson College; MS, Ithaca College. 1979-.
- LEAH P. STEVENS, MEd, Instructor of Biology
BA, Radford University; MEd, Averett University. 2014-.
- JENNIFER STYRSKY, PhD, Assistant Professor of Environmental Science
BA, University of Chicago; PhD, University of Illinois – Urbana. 2014-.

RETIRED FACULTY

- KAMAL M. ABOUZEID, PhD, Professor of Business and Economics
BA, University of Cairo, Egypt; MA, PhD, University of Texas at Austin. 1978-2001.
Emeritus.
- DOROTHY A. AKUBUE-BRICE, PhD, Professor of History
BS, Bluefield State College; MA, Marshall University; PhD, West Virginia University.
1993-2009. Emerita.
- LINDA L. ANDREWS, EdD, Dean of the School of Health Sciences and Human Performance,
Professor of Nursing
BSN, Medical College of Virginia; MSN, Medical College of Georgia; EdD, University of
Virginia. 1981-2013. Emerita.
- DAWN ARRINGTON, MEd, MSN, Associate Professor of Nursing
BSN, University of Virginia; MEd, Lynchburg College; MSN and further graduate study,
University of Virginia. 1980-1999. Emerita.

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JACQUELINE W. ASBURY, EdD, Dean of the College, Professor of Health, Movement Science, and Recreation
BS, Longwood College; MS, University of Tennessee; EdD, University of Virginia. 1960-2002. Emerita.

NICANOR M. BANDUJO, MA, Associate Professor of Spanish
DR in Law, University of Havana; MA, Middlebury College; MEd, Lynchburg College; further graduate study, University of Virginia, Duke University. 1962-1998. Emeritus.

EUGENA BARNHILL, PhD, Associate Professor of Special Education
BS, Hunter-Bellevue School of Nursing; MA, Rider University; MA, EdS, University of South Florida; PhD University of Kansas. 2006-2017. Emerita.

EVELYN P. BICKHAM, EdD, Professor of Education and Human Development
BS, MEd, EdD, University of Virginia; post-doctoral study, University of Maryland; study tours, British Isles, Eastern Europe, Asia. 1972-1989. Emerita.

ANNE H. BISHOP, EdD, Professor of Nursing
BSN, University of Virginia; MEd, Lynchburg College; EdD, MSN, University of Virginia. 1979-1997. Emerita.

JAMES L. CAMPBELL, PhD, Professor of English
BA, Berea College; MA, Ohio University; PhD, University of Virginia. 1967-2006. Emeritus.

ROBERT D. CARTER, PhD, Associate Professor of Psychology
BA, Lynchburg College; MSSW, University of Tennessee; PhD, University of Michigan. 1981-1998.

GLENDA CASH, MA, Instructor of French
BA, East Carolina University; MA, University of Virginia. 2004-2018.

PAUL C. DEACON, MEd, Associate Professor of Education and Human Development
AB, Tufts University; MEd, Boston University; further graduate study, Rhode Island College, Boston University, University of Virginia. 1970-1998. Emeritus.

ELLEN K. DELUCA, PhD, Professor of Nursing
BS, St. Louis University; MSN, Catholic University of America; PhD, University of Maryland. 1998-2017. Emerita.

ROBERT S. ELLINWOOD, DMA, Professor of Music
BA, Lynchburg College; MM, Performer's Certificate in Voice and Opera; DMA in Performance and Literature, Eastman School of Music, University of Rochester. 1964-2002. Emeritus.

ELIZABETH B. FARNSWORTH, PhD, Assistant Professor of Education and Human Development
BA, MEd, Lynchburg College; PhD, Virginia Polytechnic Institute and State University. 1999-2015.

ROBERT D. FLOYD JR., MS, Associate Professor of Physics
BS, Lynchburg College; MS and further graduate study, Virginia Polytechnic Institute and State University. 1964-2000. Emeritus.

- MARY B. GARBEE, MEd, Assistant Professor of English as a Second Language
BA, BS, MEd, Lynchburg College. 1966-1980 and 1985-1995. Emerita.
- WILLIAM R. GOODMAN JR., PhD, Professor of Religious Studies
BA, Washington and Lee University; MDiv, Union Theological Seminary; graduate study,
New College, University of Edinburgh; PhD, Duke University. 1969-2001. Emeritus.
- MARY ELLEN GORDON-SCUDDER, EdD, Professor of Education and Human
Development
BA, College of William and Mary; MS, Radford College; EdD, University of Virginia.
1977-2010. Emerita.
- KATHERINE GRAY, PhD, Assistant Director of Westover Honors Program, Associate Profes-
sor of English
AB, Randolph-Macon Woman's College; MA, University of Virginia; PhD, George Wash-
ington University. 1989-2015. Emerita.
- HEYWOOD L. GREENBERG, EdD, Professor of Communication Studies
BA, Brown University; MA, EdD, Teachers College, Columbia University. 1983-2010.
Emeritus.
- GEORGE GRZENDA, MEd, Associate Professor of Health & Physical Education
BS, MEd, Lynchburg College. 1972-2017.
- SANDRA L. HAHN, MS, Assistant Professor of Nursing
BS, Calvin College; MS, University of Michigan; further graduate study, Widener Univer-
sity. 2001-2015.
- TERESE B. HARTMAN, PhD, Professor of English
BA, University of Wisconsin; MA, Edinboro University of Pennsylvania; PhD, State Uni-
versity of New York at Buffalo. 1987-2010. Emerita.
- FRANK T. HANENKRAT, PhD, Professor of English
AB, MA, University of Richmond; PhD, Emory University;
post-doctoral study, University of Virginia. 1971-2000. Emeritus.
- CHARLES J. HANSROTE JR., PhD, Professor of Chemistry
BS, Virginia Military Institute; MS, University of Richmond; PhD, University of Virginia;
post-doctoral study, Duke University. 1965-1995. Emeritus.
- LINDA R. HARWELL, MS, Reference Librarian, Assistant Librarian
BA, Mississippi State College for Women; MS, Florida State University. 1981-2003.
- ANNE F. HENDERSON, MEd, Associate Professor of Health, Movement Science, and Rec-
reation
BS, Virginia Commonwealth University; MEd, University of Virginia. 1969-1993. Emerita.
- ELIZABETH F. HENDERSON, MA, Reference and Interlibrary Loan Librarian, Assistant Li-
brarian
BA, University of Missouri; MA, University of South Florida. 1990-2016.

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HARVEY D. HUINER, PhD, Director of the Choir, Professor of Music

AB, Calvin College; MMus, Syracuse University; PhD, University of Iowa; further graduate study, Westminster Choir College. 1975-2002. Emeritus.

JOANN P. HUNT, EdD, Professor of Music

BM, Greensboro College; MA, EdD, Teachers College, Columbia University; further graduate study, Indiana University. 1963-1997. Emerita.

FAYE C. HUNTER, MS, Assistant Professor of Nursing

BS, MS, University of Virginia. 1985-2008. Emerita

KATHLEEN L. HUSTED, MA, Assistant Professor of Education and Human Development

BS, Taylor University; MA, Michigan State University; further graduate study, Lynchburg College. 1999-2011. Emerita.

STEWART W. HUSTED, PhD, Donaldson Brown Professor of Marketing

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AB, MEd, College of William and Mary; EdD, University of Virginia. 1970-1992. Emerita.

NEELY S. INLOW, JD, Associate Professor of Business and Economics

BA, Auburn University; JD, Cumberland School of Law, Sanford University. 1985-2004. Emeritus.

ROSE JENSEN, PhD, Associate Professor of Sociology

BA, Luther College; MA, Marquette University; PhD, University of Iowa. 1994-2008. Emerita.

DONALD W. JOHNSON, MA, Associate Professor of Business and Economics

BS, United States Military Academy; MA, George Washington University. 1975-1996. Emeritus.

ROBBIE JOHNSON, MSN, Assistant Professor of Nursing

BSN, University of Kentucky; MSN, University of Virginia. 2004 -2015.

LORETTA C. JONES-GAFFORD, EdD, Associate Professor of Counselor Education

BS, Lynchburg College; MEd, EdS, James Madison; EdD, University of Virginia. 1990-2013. Emerita.

JONG H. KIM, D.MA, Professor of Music

BM, MM (Composition), Chung-Ang University - Korea; MM (Choral Conducting) Eastman School of Music; DMA, Michigan State University. 2002-2017. Emeritus.

JAMES A. KOGER, PhD, Professor of English

BA, University of the South; PhD, Rice University. 1986-2008. Emeritus.

KERN L. LUNSFORD, PhD, Professor of Spanish

BA, MA, Florida State University; PhD, University of Maryland. 1969-2017. Emeritus.

- DEANNA MARIE LEWIS, EdD, Professor of Health, Movement Science, and Recreation, Women's Volleyball Coach
BS, Wake Forest University; MEd, University of North Carolina; EdD, University of Virginia. 1972-2002. Emerita.
- RONALD E. MARTIN, MLA, Associate Professor of Philosophy
BA, Lynchburg College; MLA, Johns Hopkins University; further graduate study, Case Western Reserve University, Johns Hopkins University. 1965-1967 and 1969-. Emeritus.
- WOODROW L. MCKENZIE, PhD, Associate Professor of Education and Human Development
BS, Concord College; MA, Northern Arizona University; PhD, Virginia Polytechnic Institute and State University. 1998-2016. Emeritus.
- JANE MELBOURNE, PhD, Associate Professor of English
BA, Hiram College; MA, PhD, Case Western Reserve University. 1987-1996. Emerita.
- CONNIE A. MESSERSCHMIDT, MEd, Assistant Professor of Education and Human Development
BS, Iowa State University; MEd, Westminster College. 1985-2011. Emerita.
- CHRISTOPHER MILLSON-MARTULA, MA, MS, Director of the Library, Librarian
BA, Tufts University; MS, Columbia University; MA, Trinity College. 1995-2017. Emeritus.
- LYNDALL NAIRN, MA, Director of the Alton Wilmer Writing Center, Assistant Professor of English
BA, Macquarie University, Australia; MA, University of Pittsburgh. 1997-2013. Emerita.
- JOSEPH L. NELSON JR., PhD, East Distinguished Professor of the Humanities, Professor of Religious Studies and Greek
BS, AB, Hampden-Sydney College; BD, Union Theological Seminary; ThM, Harvard University; PhD, Union Theological Seminary, Richmond. 1952-1994. Emeritus.
- THOMAS RAY NICELY, PhD, Professor of Mathematics
BS, MS, West Virginia University; PhD, University of Virginia. 1968-2000. Emeritus.
- STEVEN K. NIELSEN, EdD, Associate Professor of Education and Human Development
BA, University of Colorado; MA, EdD, Northern Arizona University. 1994-2011. Emeritus.
- WILLIAM A. NORKO, JR., MS, Assistant Professor of Mathematics
BA, MS, University of Connecticut. 2006-2016.
- THOMAS R. NOWELL, MFA, Associate Professor of Theatre
BA, MA, University of Alabama; MFA, University of Virginia. 1977-2014.
- SUSAN M. OLAH, MS, Instructor of Biology
BS, Radford University; MS, Lynchburg College. 2003-2011.
- NANCY H. PHILLIPS, EdD, Professor of Education and Human Development
BA, University of Richmond; MEd, Virginia Commonwealth University; further graduate study, College of William and Mary; EdD, University of Michigan-Ann Arbor. 1989-2001. Emerita.

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BS, Lynchburg College; MEd, EdD, University of Virginia; further graduate study, College of William and Mary. 1961-1996. Emeritus.

PEGGY S. PITTAS, PhD, Assistant Dean, LCSR and Senior Symposium, Professor of Psychology

BA, Bridgewater College; MA, Dalhousie University; PhD, University of Virginia. 1971-2011. Emerita.

CAROL J. POLLOCK, MSLS, Public Services Librarian, Associate Librarian

BA, Virginia Commonwealth University; MSLS, University of North Carolina. 1980-1999. Emerita.

EDWARD A. POLLOWAY, EdD, Dean of School of Graduate Studies, Vice President for Community Advancement, Rosel Schewel Distinguished Professor of Education and Human Development

BA, Dickinson College; MEd, EdD, University of Virginia. 1976-2015. Emeritus.

DOROTHY BUNDY POTTER, PhD, Professor of History

BA, Lynchburg College; MA, PhD, University of Virginia. 1984-2017. Emerita.

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BA, Hampden-Sydney College; B.D., Th.M., Union Theological Seminary, Richmond; Faculte de Theologie Protestante, Montpelier, France; MA, PhD, Vanderbilt University. 1965-2011. Emeritus.

JOSEPH M. PRINZINGER, PhD, Professor of Economics

BS, Rider College; PhD, Georgia State University. 1988-2016. Emeritus

GWYNN W. RAMSEY, PhD, Professor of Biology, Curator Emeritus of the Herbarium

BS, MA, Appalachian State Teachers College; PhD, University of Tennessee; post-doctoral study at the National Herbarium of the Smithsonian Institution and Arizona State University. 1965-1997. Emeritus.

JANICE RICE, PhD, Professor of Communication Studies

BS, University of Alabama; MA, PhD, Northwestern University. 1988-2007. Emerita.

SYLVIA M. RINKER, PhD, Professor of Nursing

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CONSTANTINE ROUSSOS, PhD, Professor of Computer Science

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NANCY W. SCHNEIDER, MPA, CPA, CMA, Professor of Accounting

BS, University of Florida; MPA, Georgia State University. 1990-. Emerita.

JOHN R. SCUDDER JR., EdD, Professor of Philosophy and Education

BA, Vanderbilt University; MA, University of Alabama; MDiv, Lexington Theological

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THOMAS W. SEAMAN, PhD, Professor of Sociology
BA, Lynchburg College; MA, PhD, University of Maryland. 1966-2001. Emeritus.

RICHARD G. SEYMANN, PhD, Director of Academic Assessment, Director of Westover Fellows Honors Program, Professor of Business and Economics
BA, Washington and Jefferson College; PhD, Emory University. 1969-2002. Emeritus.

WILLIAM A. SHERWOOD, PhD, Professor of Biology
BS, Wake Forest College; MEd, PhD, University of North Carolina; graduate study, Peabody College, Vanderbilt University, University of Tennessee; post-doctoral research fellowship, The New York Botanical Garden. 1969-1989. Emeritus.

M. WESLEY SHOEMAKER, PhD, Professor of History
BA, Waynesburg College; MA, PhD, Syracuse University. 1971-2000. Emeritus.

RICHARD JAMES SHORES, PhD, Professor of Mathematics
BS, Randolph-Macon College; MSCS, PhD, University of Mississippi. 1966-1998. Emeritus.

JULIUS A. SIGLER JR., PhD, Vice President and Dean for Academic Affairs, Professor of Physics
BS, Lynchburg College; MS, PhD, University of Virginia; further graduate study, University of North Carolina-Chapel Hill. 1967- 2015. Emeritus.

JUDITH H. SMOTREL, MAA., Associate Professor of Mathematics
BA, Westhampton College; MAA, University of Virginia. 1974-2007. Emerita.

HAN KYU SONG, PhD, Professor of Sociology
BA Yonsei University; MA, University of North Carolina at Chapel Hill; PhD, American University. 1971-2002. Emeritus.

STEPHEN D. SOUTHALL, PhD, Professor of Psychology
BA, MA, University of Richmond; PhD, University of Virginia. 1974-2016. Emeritus.

JAN S. STENNETTE, PhD, Dean of the School of Education and Human Development, Professor of Curriculum and Instruction
BA, Lynchburg College; MEd, Lynchburg College; PhD, University of Virginia. 2003-2015. Emerita.

ORRIE O. STENROOS, PhD, Professor of Biology and Environmental Science
BA, University of Minnesota; MS, North Dakota State University; graduate study, Florida State University; PhD, Medical College of Georgia; NIH post-doctoral Research Fellowship, Florida State University. 1972-2002. Emeritus.

PHILLIP H. STUMP, PhD, Professor of History
AB, PhD, University of California-Los Angeles. 1980-2011. Emeritus.

NEAL G. SUMERLIN, PhD, Professor of Chemistry
BS, Ouachita Baptist University; PhD, University of Arkansas. 1976-2012. Emeritus.

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SUSAN THOMPSON, PhD, Professor of Curriculum, Instruction and Reading
BS, MEd, Lamar University; PhD, Texas A&M University. 2005-2017. Emerita.

THOMAS C. TILLER, PhD, College Marshall, Professor of Education and Human Development
BA, Lynchburg College; MEd, University of Virginia; PhD, Florida State University.
1958-2007. Emeritus.

JACK M. TOMS, EdD, Director of Intercollegiate Athletics, Professor of Health and Movement Science, Men's and Women's Cross Country and Track Coach
BA, Lynchburg College; MEd, University of Virginia; EdD, West Virginia University.
1979-2014.

JOSEPH H. TUREK, PhD, Professor of Economics
BA, M.P.A., Syracuse University; MA, PhD, State University of New York at Albany.
(1986-88) 1990-. Emeritus.

THELMA L. TWERY, MEd, Associate Professor of Art
BA, Randolph-Macon Woman's College; MEd, Lynchburg College; further study, New York University. 1962-1992. Emerita.

JOHN C. WALKER, EdD, Professor of Education Leadership
BS, University of Virginia; MEd, Lynchburg College; EdD, University of Virginia. 2008-2018. Emeritus.

CHARLES O. WARREN JR., PhD, President of the College, Professor of Biology
BS, MS, Virginia Polytechnic Institute and State University; PhD, University of Florida.
1993-2001.

JERI H. WATTS, EdD, Associate Professor of Education and Human Development
BA, The College of William & Mary; MEd, EdD University of Virginia. 2006-2016.

G. KENNETH WEST, PhD, Director of the Center for Family Studies and Educational Advancement, Professor of Education and Human Development
BA, Wake Forest University; MDiv, Princeton Theological Seminary; PhD, Florida State University. 1976-2015. Emeritus.

DONALD W. WERNER, PhD, Associate Professor of Psychology
BA, Queens College; MS, University of Kansas; MA, PhD, Michigan State University. 1981-.

NANCY I. WHITMAN, PhD, Professor of Nursing
BS, Alfred University; MSN, University of Virginia; PhD, University of Texas. 1991-2010.
Emerita.

ALBERT J. E. WILSON III, PhD, Professor of Sociology
BS, Florida State University; MRC, PhD, University of Florida. 1983-1994. Emeritus.

MARIE WINKS, MEd, CPA, Associate Professor of Business and Economics
BS, MEd, University of Colorado; further graduate study, University of Nevada. 1974-2000. Emerita.

DELORES M. WOLFE, EdD, Associate Dean of the College, Professor of Education and Human Development

BA, University of North Carolina; MEd, University of North Carolina; EdD, University of North Carolina at Greensboro. 1987-2003. Emerita.

WILLIAM H. YOUNG, PhD, Professor of Communication Studies

BA, College of William and Mary; MAT, Duke University; PhD, Emory University. 1964-2000. Emeritus.

MATTERS OF RECORD**HONORARY DEGREES CONFERRED ON MAY 20, 2017**

Frederick Russell Cawthorne '49.....	Doctor of Humane Letters
Yuille Holt, III '67.....	Doctor of Humane Letters
Sherry Patricia Magill.....	Doctor of Humane Letters
Mary Rose Carpenter Ragdale '57.....	Doctor of Education

DEGREES CONFERRED 2017

	Bachelor Degrees	Advanced Degrees
January 20, 2017	57	21
May 20, 2017	339	111
August 18, 2017	<u>61</u>	<u>100</u>
Total	457	232

BACHELOR DEGREES CONFERRED ON JANUARY 20, 2017

Samantha Bagherpour, BA, Summa Cum Laude.....	Management
Peyton Nicole Bailey, BA.....	Communication, English
Brett Carlin Blakeney, BS.....	Mathematics
Helnisa Bonaparte, BS.....	Interdisciplinary Studies-Teacher Education
Hunter Alexander Bragg, BA.....	Marketing
Cory Tyler Budka, BA, Cum Laude.....	Criminology
Travis Chadwick Bullard, BS.....	Mathematics
Matthew Gray Burnette, BA.....	Business Administration
Morgan Henley Kanui Bush, BA.....	Communication Studies
Joshua Todd Cahow, BS.....	Environmental Science
Vito Carcioppolo, BA.....	Business Administration
Sherwood Forrest Clement, Jr, BA.....	Sport Management
Jared Michael Coffman, BA.....	Sport Management
Mary Kathryn Croft, BA.....	Criminology
Joseph Lee Davis, BS.....	Computer Science
Hannah Elise Finney, BS, Magna Cum Laude.....	Biology
Ashlee Ciera Fitch, BA.....	Criminology
Morgan Louise Fletcher, BS.....	Environmental Science
William Robert Fortune, BA.....	Marketing
Kayla Marie Fuqua, BA.....	Political Science
Elliot Frederick Gamby, BA.....	International Relations
Rebekah Kristen Grimes, BS, Summa Cum Laude, High Honors in Biology.....	Biology
Forest Holloway Groft, BA.....	Business Administration
Devonte Jatwan Harrison, BA.....	Sport Management
Christopher Michael Hawley, BS.....	Exercise Physiology
Douglas Alan Hines, Jr, BS.....	Exercise Physiology
Peiwen Hu, BA.....	Business Administration
Gary Austin James, BS.....	Environmental Science
Constance Alexandra Kessinger, BA.....	Economic Crime Prevention/Investigation
Saul Abraham Korn, BA.....	History

Joshua Paul Ledoux, BA.....	Communication Studies
Eric James Lombardo, BS.....	Exercise Physiology
Robert Ian Clark Macdougall, BS.....	Psychology
Sarah C. Meredith, BA.....	English
Olivia Jarrell Meyers, BS, Magna Cum Laude.....	Health Promotion
Andrew Moonkie Min, BA.....	Business Administration
Rachael Shanisha Moore, BS, Cum Laude.....	Health Promotion
Heather Brooke Napier, BS, Summa Cum Laude.....	Psychology
Andrew Michael Osborne, BS.....	Interdisciplinary Studies-Teacher Education
Samantha Abigail Page, BS.....	Biology
Amy Carolina Parada, BA.....	Communication Studies
Maricka Rashelle Payne, BA.....	Human Resource Management
Jose J. Quintana, BA.....	English
Margaret B. Reed, BA.....	Accounting
Chandler Hart Reynolds, BS.....	Mathematics
Matthew Vincent Russo, BS.....	Athletic Training
Zachary David Spaulding, BA.....	Music
Bethany Elizabeth Spiva, BA, Cum Laude.....	Communication Studies
Carl Stamey, BA.....	Sport Management
Matthew Ryan Strong, BA.....	Philosophy
Patrick Benjamin Sullivan, BS.....	Athletic Training
Zen Thomas, BS, Magna Cum Laude.....	Interdisciplinary Studies-Teacher Education
Kristen Bratches Turco, BA.....	Communication Studies
Brynn Teresa Vallo, BA, Cum Laude.....	Philosophy-Political Science
Leandra Michelle Williams, BS, Cum Laude.....	Environmental Science
Peyton James Lee Wright, BA.....	Economics
Amber C. Zabinsky, BA.....	Criminology

GRADUATE DEGREES CONFERRED ON JANUARY 20, 2017

Master of Education

Joshua James Boyd, MED.....	Educational Leadership
Bobbi Anna Crie, MED.....	School Counseling
Jonathan Henry Demaio, MED.....	Educational Leadership
Ashlee Marie Dimarzio, MED.....	Special Education
Hilah Marie Divers, MED.....	School Counseling
Laura H. Ferrell, MED.....	Educational Leadership
Rosemary Hardwich, MED.....	Special Education
Micah David Jackson, MED.....	Educational Leadership
Marla F. Lenviel, MED.....	School Counseling
Meagan Hardy Mehaffey, MED.....	Clinical Mental Health Counseling
Lelia M. Saunders, MED.....	Educational Leadership
Carson Leigh Scott, MED.....	Clinical Mental Health Counseling
Caitlin Elizabeth Seaman, MED.....	Science Education
Nicole Brooke Shipp, MED.....	Special Education

Master of Science in Nursing

Susan Phillips Campbell, MSN.....	Nursing
David Dupre, MSN.....	Nursing
Karen Michelle Graham, MSN.....	Nursing
Stacey L. Hopkins, MSN.....	Nursing
Leasa Lafeuillee, MSN.....	Nursing

Valerie Deaton Newcomb, MSN.....	Nursing
Megan Marie Williams, MSN.....	Nursing

BACHELOR DEGREES CONFERRED ON MAY 20, 2017

Laura Reid Albert, BS, Magna Cum Laude, Highest Honors in Psychology.....	Psychology, Spanish
Taylor Rose Alexander, BS.....	Biology, Environmental Science
Jerrold D. Allen, BA.....	Communication Studies
Katelyn Marie Alley, BA, Magna Cum Laude.....	History
Melanie Angelica Anderson, BA.....	Criminology
Sydney Christine Anderson, BA.....	Accounting
Omar Z. Anwar, BA.....	Human Resource Management
Melanie Kay Armstrong, BS, Cum Laude.....	Nursing
Austen Blaine Arnold, BS.....	Health Promotion
Oyeinbrakeme Digifa Austin, BA.....	Criminology
Timigbebra Awene, BA.....	International Relations
Pablo Gerardo Ayzanoa, BA.....	Economics
Hayli Brooke Baker, BS, Cum Laude.....	Nursing
Jordan Ray Banks, BS.....	Exercise Physiology
Pashion L. Banks, BA.....	Political Science
Ebony Adia Barnes, BS.....	Psychology, Sociology
Cole Bryant Barrett, BA, Magna Cum Laude.....	Economics
Amanda Julia Bartlett, BS.....	Psychology
Elisa Mary Basso, BS, Magna Cum Laude.....	Nursing
Jasmine Nicole Beaner-Walker, BS.....	Psychology
Hannah Leah Bernstein, BS.....	Health Promotion
Christopher Lee Betterton, BS.....	Biology
Harley Nicole Betterton, BS, Magna Cum Laude.....	Nursing
Zachary Hollins Betterton, BS, Cum Laude, Highest Honors in Mathematics, Honors in Physics.....	Mathematics, Physics
Sarah Ashley Bias, BA.....	Communication Studies
Christian Autumn Blankenship, BS.....	Interdisciplinary Studies-Teacher Education
Christian Gerard Bloesl, BA.....	Marketing
Helen S. Boniface, BS, Cum Laude.....	Environmental Science
Austin P. Borick-Carlson, BA.....	Communication Studies
Hannah Elizabeth Boss, BS.....	Nursing
Harrison Cropper Brennan, BA.....	Business Administration
Marisa Chase Briggs, BS, Summa Cum Laude.....	Computer Science
Jeffrey Austin Brochetti, BA.....	Chemistry
William Judge Browning, BA, Summa Cum Laude, Highest Honors in Political Science.....	Political Science
Monican L. Bruce, BA.....	International Relations
Jennifer Anne Bryant, BS, Summa Cum Laude.....	Nursing
Melinda Dawn Bryant, BS.....	Nursing
Abigail Elizabeth Bunting, BS, Magna Cum Laude, High Honors in Psychology.....	Psychology
Jessie Olga Burgett, BA, Magna Cum Laude.....	Business Administration, Sociology
Morgan A. Burks, BS, Cum Laude.....	Nursing
Zachary Allan Burnett, BA.....	Management

Allison Kimberly Burns, BS.....	Nursing
Keenan A. Caldwell, II, BA.....	Marketing
Christopher R. Camarca, BA.....	Political Science
Camille Catherine Camm, BS.....	Biology
Alexa M. Carey, BA.....	Marketing
Michael Vincent Carter, BA.....	Accounting
Susana A. Carter, BS, Cum Laude.....	Nursing
Kira J. Castle, BS, Summa Cum Laude.....	Interdisciplinary Studies-Teacher Education
Travis William Chichester, BS.....	Exercise Physiology
Jordan D. Cindrick, BA, Cum Laude.....	Criminology
Marina Lee Clark, BA, Cum Laude.....	Business Administration, Economics
Terry W. Clay, BA.....	Communication Studies
Casey Elaine Cobb, BS.....	Interdisciplinary Studies-Teacher Education
Kerry Michael Codoley, BS.....	Chemistry
Brandon E. Coffey, BA, Cum Laude.....	Music
Cody T. Cole, BA, Cum Laude.....	Political Science
Meghan Lynn Collins, BS.....	Interdisciplinary Studies-Teacher Education
Kevin Joseph Conley, BA.....	International Relations
Matthew David Constantakis, BS.....	Psychology
Robin Sequoia Copeland, BS, Cum Laude.....	Athletic Training
Sarah Catherine Coronel, BS, Cum Laude, Honors in Athletic Training.....	Athletic Training
Michael Allison Covington, BS.....	Athletic Training
Ashley Nicole Cox, BS.....	Athletic Training
Cory Alan Crabtree, BS.....	Biology
Austin Richardson Crank, BA.....	Criminology
Kathryn Page Crickenberger, BS, Magna Cum Laude.....	Nursing
Victoria Ann Czenczek, BS.....	Exercise Physiology
Alexander Eadoin Dair, BS.....	Chemistry
Katherine Alexis Daniels, BS, Cum Laude.....	Nursing
Kiana Tenille Darby, BS, Cum Laude.....	Interdisciplinary Studies-Teacher Education
Samantha Marie Davis, BA.....	Art
Michael Griffin Day, BA.....	Management
Natalie Anne Deacon, BS, Summa Cum Laude.....	Exercise Physiology
Tiffany Naceema Deane, BS, Magna Cum Laude.....	Nursing
Douglas Bryant Dickerson, BS, Magna Cum Laude, Highest Honors in Biomedical Science.....	Biomedical Science
Izuo-Ere Digifa, BA.....	Communication Studies
Christopher Lee Dodd, BA, Summa Cum Laude.....	Economics
Roger E. Doles, III, BS, Cum Laude, High Honors in Mathematics.....	Mathematics
Christine Elizabeth Domecq, BS, Magna Cum Laude.....	Nursing
Kelsey M. Dowling, BA, Cum Laude, Honors in Communication Studies.....	Communication Studies
Hannah Nicole Drane, BA, Cum Laude.....	Business Administration
Peyton Lee Draper, BS, Cum Laude.....	Nursing
Mercy Ebidighi, BA.....	Environmental Studies
Kathleen Abell Edwards, BS.....	Nursing
Brianna Marie Egan, BA.....	Criminology
Amaechi Fidelia Egbujuo, BS.....	Nursing
Emma Christena Elliott, BS.....	Computer Science
Kenneth Brennen Ellis, BS.....	Biology
Zachary Scott Engelmann, BA, Cum Laude.....	Economics

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Jamie Erb, BS, Magna Cum Laude.....	Nursing
Shelby Rayne Erwin, BA.....	Criminology
Ancito Etienne, BA, Cum Laude, High Honors in Economics.....	Economics
Micki Jade Evans, BS, Cum Laude.....	Athletic Training
Elyssa Mae Ezmirly, BA.....	Business Administration
Kohle L. Ferenchak, BS.....	Mathematics
Grace Ann Fiedler, BA.....	Political Science
Kathleen Worden Fitzpatrick, BA.....	Communication Studies
Joanna Ashley Flannagan, BA.....	Marketing
Jacob Robert Fleck, BS.....	Mathematics
Courtney Paige Forstmann, BS, Cum Laude.....	Interdisciplinary Studies-Teacher Education
Jessica Michelle Foss, BS, Magna Cum Laude.....	Health Promotion
Zachary Ryan Foster, BA.....	Communication Studies
Hailey Elizabeth Fox, BA.....	Accounting
Amanda Jo Frattaroli, BA.....	Communication Studies
Maggie Amelia Gabany, BA.....	Accounting
Charlotte Anne Galamb, BA, Cum Laude.....	Marketing
Kristen Taylor Garbedian, BS.....	Nursing
Jennifer Lee Garrett, BS, Cum Laude.....	Nursing
Evan James Gendreau, BA, Cum Laude.....	Theatre
Amanda K. George, BA.....	Art, Business Administration
John Benjamin Gerke, BS.....	Psychology
Joseph John Giannaras, BA.....	Accounting
Courtney Marie Gillette, BS.....	Health Promotion
Ian Thomas Givens, BS, Magna Cum Laude.....	Computer Science
Kirsten Paige Glover, BA, Cum Laude.....	Accounting
Ethan James Goad, BA, Cum Laude.....	Communication Studies
Dalton Grace Gormus, BA.....	Communication Studies
David Austin Goulding, BS.....	Exercise Physiology
Benjamin Hales Grossfuss, BA.....	Business Admin, Sport Management
Jan Edward Gustafson, BA, Cum Laude.....	Business Administration
Skyler Marie Gutierrez, BS, Cum Laude.....	Biomedical Science
Jonathan Dominic Hajduk, BS.....	Biology, Chemistry
Alfonzo Monroe Hamilton, Jr, BA.....	Communication Studies
Mercedes Briann Hamilton, BS, Summa Cum Laude, High Honors in Psychology.....	Psychology
Jessica Paige Hamlet, BA.....	Criminology
Cameron Chase Hankins, BA.....	Sociology
Courtney Slade Hannon, BS, Summa Cum Laude.....	Nursing
Emily H. Harmon, BA, High Honors in International Relations.....	International Relations
Shannon McClure Harris, BA.....	Communication Studies
Margaret Linsey Blair Hartless, BS.....	Psychology
Colin Lee Hartzell, BA.....	Criminology, Spanish
Cameron Jordan Hawkins, BS.....	Interdisciplinary Studies-Teacher Education
Abigail Joann Hayden, BS.....	Nursing
Ryan Joseph Hayes, BS.....	Computer Science
Mary Esther Hebert, BA.....	Art
Rebekah Paige Hess, BS.....	Exercise Physiology
Rachel Luann Hester, BS, Cum Laude.....	Interdisciplinary Studies-Teacher Education
Taylor M. Highland, BA.....	Communication Studies
Alexander George Hirtes, BA.....	Business Administration, Economics

Hanna Mary Hobbs, BA.....	Communication Studies
Chad Michael Hobson, BS, Summa Cum Laude, Highest Honors in Mathematics, Highest Honors in Physics.....	Mathematics, Physics
Sarah Samantha Hodges, BS.....	Nursing
Rebecca Carol Hogge, BA.....	Communication Studies, Theatre
Kathy Yvonne Hoover, BA, Cum Laude.....	Business Administration
Courtney Marie Hopkins, BS.....	Psychology
Rebecca N. Huber, BA.....	Sociology
Amber Carleania Huff, BA.....	Communication Studies
Ashley Lauren Hunter, BA, Cum Laude.....	Accounting
Danielle McLaurin Hunter, BS, Summa Cum Laude.....	Nursing
William Gregory Hylton, BS.....	Exercise Physiology
Akpoebikefe Esther Igare, BA.....	Human Resource Management
Tekena Victory Imeleye, BA.....	International Relations
Meaghan Frances Johns, BA.....	Human Resource Management
Joshua Taylor Johnson, BS.....	Nursing
Jennifer Leigh Jones, BS, Cum Laude.....	Interdisciplinary Studies-Teacher Education
Latoya Evette Jones, BA.....	Accounting
Mariah Kristen Kamperin, BS, Magna Cum Laude.....	Nursing
Megan A. Kaplowitz, BA.....	Sociology
Minatu Karimu, BA.....	Communication Studies
Ryan Michael Katona, BS, Magna Cum Laude, Highest Honors in Mathematics, Honors in Physics.....	Mathematics, Physics
Peter Thomas Kaye, BA.....	Business Administration
Elizabeth Eileen Kelly, BA, Cum Laude.....	Business Administration
Larisa Anne Kerrigan, BS, Summa Cum Laude.....	Nursing
Christa King, BA.....	Business Administration
Brandi Nicole Knichel, BS, Cum Laude, Honors in Psychology.....	Psychology
Madeline Francis Koontz, BS, Cum Laude.....	Interdisciplinary Studies-Teacher Education
Mark Alexander Kozy, BS, Magna Cum Laude, Highest Honors in Mathematics, Honors in Physics.....	Mathematics, Physics
Elizabeth Rose Labelle, BA, Magna Cum Laude.....	Criminology
Emily Caitlin Lawhorn, BS.....	Psychology
Kelly Nicole Layne, BS.....	Nursing
Makayla Rebecca Layne, BS.....	Health Promotion
Terry Allan Lee, Jr, BS.....	Interdisciplinary Studies-Teacher Education
Hannah Jane Leffel, BS.....	Interdisciplinary Studies-Teacher Education
Lindsey Niccole Lewis, BA.....	Criminology
Skyler Elizabeth Lewis, BS, Cum Laude, High Honors in Exercise Physiology.....	Exercise Physiology
Keisha C. Liddell, BA.....	International Relations
Andrew Dennis Link, BS.....	Health And Physical Education
Chad Parker Lipes, BS.....	Health And Physical Education
Lindsay C. Longest, BS.....	Interdisciplinary Studies-Teacher Education
Maximiliano Elisha Luna, BA, Cum Laude.....	Accounting
Kate Amanda Maddox, BS.....	Exercise Physiology
Kendall Conner Malsam, BA.....	Marketing
Marc Isaac Manasse, BA, Magna Cum Laude.....	Communication Studies
Juretta Jukenna Manley, BA.....	Criminology
Pauline K. Marfo, BS.....	Nursing
Curtis Franklin Marshall, BS.....	Biology, Health Promotion

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McKenzie Swanson Marshall, BS, Magna Cum Laude.....	Nursing
Malinda C. Martin, BS.....	Health Promotion
Krystle Lynn Matthews, BS.....	Nursing
Elisa G. Mawyer, BA.....	Sociology
Kelsey Rae Mays, BA.....	Communication Studies
Camille Lauren McCarthy, BA.....	Business Administration
Kelly Anne McCarthy, BA.....	Criminology
Laura McCorry, BS, Cum Laude.....	Psychology
Danielle Marie McCutcheon, BS.....	Nursing
Lawrence B. McKinney, Jr, BA.....	Communication Studies
Macy N. McNair, BS.....	Nursing
Laura Gayle Meisner, BA, Magna Cum Laude, High Honors in History.....	History
Miranda Lynn Melton, BA, Summa Cum Laude.....	Accounting
Hollie D. Michael, BS.....	Nursing
Elena Marie Michaels, BA, Magna Cum Laude.....	Communication Studies, Theatre
Aurelio Huntington Miller, BA, Cum Laude.....	Business Administration, Economics
Alyssa Joy Mills, BS, Cum Laude.....	Interdisciplinary Studies-Teacher Education
Taylor Brooke Mills, BS.....	Interdisciplinary Studies-Teacher Education
Olivia Anne Minnix, BS.....	Nursing
Boris Hugo Miranda, BA.....	Criminology
Tenney Biobelemoye Monigha, BA.....	International Relations
Carter Ann Moonis, BS, Cum Laude.....	Interdisciplinary Studies-Teacher Education
Ashley Nicole Moore, BS.....	Health Promotion
Robert H. Moore, BA.....	Accounting
Maci Caroline Morrison, BA.....	Management
Brittany M. Mundie, BS.....	Health Promotion
Jessica Amalie Murphy, BS.....	Exercise Physiology
Frank Musarra, II, BS, Cum Laude.....	Nursing
Hannah Victoria Narvaez, BS.....	Biology
Samantha Zindel Nash, BS, Cum Laude.....	Nursing
Rheanna Michelle Neal, BS.....	Nursing
Sydney Erinn Niblett, BS, Magna Cum Laude.....	Biomedical Science
Sarah Elizabeth Nicoletti, BA, Cum Laude.....	Marketing
Brittany Nicole O'Connell, BS, Summa Cum Laude.....	Environmental Science
Elizabeth Rose Oden, BS.....	Athletic Training
Eluanatien Azibanizolom Ogbara, BA.....	Communication Studies
Faith Chibuzor Ogbonna, BA, Cum Laude.....	International Relations
Sylvia Tamaracro Okoro, BS.....	Health Promotion
Jike-Ere Opirijitei, BA, Cum Laude.....	Accounting
Austin Lee Owens, BA.....	Management
Daniel Edwin Owens, BA.....	Accounting
Ethan Edward Owens, BA.....	Management
Jaime Arturo Palacios, Jr, BA.....	Communication Studies
Kristina Grace Parker, BA, Cum Laude, Highest Honors in Spanish.....	Spanish, Theatre
Nicole Elizabeth Parra, BA.....	Art
Cydney D. Patterson, BA.....	Criminology
Jordan Lee Payne, BA.....	Criminology
Iris De Los Angel Perez, BA.....	Criminology
Amanda Jo Perry, BS, Cum Laude, High Honors in Exercise Physiology.....	Exercise Physiology
Jeffrey Ryan Phillips, BS, Magna Cum Laude,	

High Honors in Psychology.....	Psychology
Jordan Ashley Phillips, BS.....	Exercise Physiology
Madison Catherin Phillips, BS.....	Exercise Physiology
Rachel L. Phillips, BS, Cum Laude.....	Interdisciplinary Studies-Teacher Education
Ashlee Renee Pickrel, BS, Magna Cum Laude.....	Biomedical Science
Garrett D. Porte, BS.....	Exercise Physiology
Olivia Christine Randall, BS, Summa Cum Laude.....	Nursing
Sabreen Rash, BA, Cum Laude,	
High Honors in International Relations.....	International Relations
Elizabeth Grace Redd, BS.....	Health Promotion
Nancy Kierstin Reid, BS, Magna Cum Laude,	
Honors in Biomedical Science,	
Highest Honors in Chemistry.....	Biomedical Science, Chemistry
Vanessa Reinoso, BA.....	Communication Studies
Adam Essex Reynolds, BA.....	Business Administration
Linwood Hunter Reynolds, BS.....	Mathematics
Savannah Zane Reynolds, BS, Cum Laude.....	Psychology
Jordan Anthony Ricci, BS, Honors in Psychology.....	Psychology
Alison Miles Ritchie, BS, Magna Cum Laude.....	Nursing
Cameron Nicole Roark, BA.....	Business Administration
Kelsey Jade Roark, BS.....	Interdisciplinary Studies-Teacher Education
Amber N. Robinson, BS, Cum Laude, Highest Honors in Psychology.....	Psychology
Octavia M. Rodgers, BA.....	Human Resource Management
David William Rogers, Jr, BA.....	Sport Management
Christian James Rose, BS, Cum Laude.....	Biomedical Science
Lauren Tyler Rose, BS, Magna Cum Laude, Highest Honors in Nursing.....	Nursing
Andrew Nelson Rossman, BA.....	English, Philosophy
Emily Reid Rymer, BS.....	Chemistry
Barbara Anne Rypkema, BA, Summa Cum Laude.....	Communication Studies
Thomas William Salamone, BA.....	Business Administration, Sport Management
Angelica L. Santiago Gonzalez, BA, Magna Cum Laude,	
Honors in English, High Honors in Sociology.....	English, Sociology
Hallie D. Sayre, BS, Magna Cum Laude,	
High Honors in Athletic Training.....	Athletic Training
Karla K. Schooler, BA.....	Communication Studies
Elizabeth R. Seay, BA.....	Art
Jennifer Hall Seay, BA, Magna Cum Laude.....	History
Kristen Mae Sheffey, BS, Cum Laude.....	Nursing
James Donovan Shelton, BA, Magna Cum Laude.....	English
Deandre Chevelle Short, BA, Cum Laude, Honors in Theatre.....	English, Theatre
Jason Garret Silby, BS, Magna Cum Laude,	
Honors in Biomedical Science.....	Biomedical Science
Erin Elizabeth Sinski, BA, Magna Cum Laude.....	History
Maya A. Sivels, BS.....	Exercise Physiology
Darrius Milique Slaughter, BA.....	Marketing
Aaron Jabari Smalls, BA.....	Management
Elizabeth Renee Smith, BS.....	Chemistry
Kelley Eryn Smith, BS, Magna Cum Laude,	
High Honors in Biomedical Science.....	Biomedical Science
Lauren Nicole Smith, BS, Cum Laude.....	Biomedical Science
Gabriella L. Soares, BS.....	Interdisciplinary Studies-Teacher Education
Jose Antonio Soto, BS.....	Athletic Training
Kelly Ashley Spitler, BA.....	Art

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Kayla Marie St. John, BS.....	Exercise Physiology
Lindsay Nicole Stephens, BS, Magna Cum Laude.....	Biology
Aja Laurice Stevens, BA.....	English
Deanna Jean Stevens, BS.....	Biology
Bryan Ray Strawderman, BA.....	History
Alice Timi Suobo, BS.....	Psychology
Sarah Lynn Sweeney, BS.....	Nursing
Allison Tamunoiseleg, BA.....	International Relations
Nyomi Shardaust Tarpley, BS.....	Psychology
Matthew Macfadyen Tatom, BA.....	Communication Studies
Lisa M. Taylor, BA, Summa Cum Laude.....	Communication Studies
Moneka Lashae Taylor, BS.....	Health Promotion
Wubit Dessalegn Tegegn, BA.....	Marketing
Chala Teresa, BS.....	Nursing
Michael Thomas Thiers, BS.....	Exercise Physiology
Daisy Gene Thomas, BS.....	Interdisciplinary Studies-Teacher Education
Diamond De’Nae Thomas, BS.....	Nursing
Brooke Nicole Thompson, BS, Summa Cum Laude, High Honors in Biomedical Science, Highest Honors in Psychology.....	Biomedical Science, Psychology
Christinna Elena Thorpe, BS, Magna Cum Laude.....	Nursing
Sahara McKenzie Toler, BS.....	Nursing
John Charles Tomkinson, BS, Magna Cum Laude, High Honors in Biomedical Science.....	Biomedical Science
Joanna Adileny Torres, BA.....	Political Science
Victoria Lynn Travers, BA.....	Management
Nicole Alexandra Trimble, BA.....	Communication Studies
William E. Truman, BA.....	Accounting
Sylvanus Chukwu Umahi, BA.....	Marketing
Mary Cornelia Van Clief, BS.....	Nursing
Lindsey M. Van Zile, BA.....	Environmental Studies
Alex Christopher Vaughan, BS.....	Mathematics, Physics
Latiya A. Vaughan, BS.....	Biology
Laina E. Vitalie, BA.....	Theatre
Andrew K. Vogel, BA.....	Business Administration
Brittany Marie Wainscott, BS.....	Psychology
Logan Alayna Walker, BS.....	Biology
Alexander Denison Wall, BS.....	Biology
Emily Elizabeth Walter, BA, Magna Cum Laude.....	Communication Studies
Ramino S.A. Ward, BS.....	Psychology
Elizabeth Rose Waterman, BS.....	Interdisciplinary Studies-Teacher Education
Jeffrey Louis Watson, BA.....	Accounting
Lesley Alexandra Webb, BA.....	Environmental Studies
Jordan A. Webb-Russell, BS.....	Biology
Anna Louise Wehr, BA, High Honors in Theatre, Summa Cum Laude.....	Theatre
Michael A. Wertz, BS, Magna Cum Laude, High Honors in Health Promotion.....	Health Promotion
Haley Nicole West, BS, Cum Laude, High Honors in Exercise Physiology.....	Exercise Physiology
Jasmyn Marie West, BA, Magna Cum Laude.....	Communication Studies
Thomas Donald White, BS.....	Computer Science
Callie Hope Whitt, BA, Cum Laude.....	Communication Studies

Landon P. Wilcox, BA, Magna Cum Laude,	
Honors in Religious Studies.....	Religious Studies
Kevin James Williams, BA.....	Economics
Krystle Marie Williams, BS, Cum Laude.....	Interdisciplinary Studies-Teacher Education
Nicholas Alexander Williams, BS.....	Psychology
Ashley Wilmot, BS.....	Nursing
Charles Huber Wilson, Iv, BS.....	Psychology
Skyler McKenzie Wimer, BS.....	Interdisciplinary Studies-Teacher Education
Logan Andrew Woodall, BS.....	Exercise Physiology
Shataya Monique Woods, BS.....	Interdisciplinary Studies-Teacher Education
Evah Macree Workman, BA.....	Art

GRADUATE DEGREES CONFERRED ON MAY 20, 217

Doctor of Physical Therapy

Zamir Ahadzada, DPT.....	Physical Therapy
Thomas John Apruzzese, DPT.....	Physical Therapy
Megan May Baxter, DPT.....	Physical Therapy
Sara Elizabeth Black, DPT.....	Physical Therapy
Timothy Kyle Brown, DPT.....	Physical Therapy
Patrick James Tobias Carver, DPT.....	Physical Therapy
Emily D. Cleveland, DPT.....	Physical Therapy
Patrick Michael Deleonibus, DPT.....	Physical Therapy
Carlie Ann Desjardins, DPT.....	Physical Therapy
Meaghan Dullea, DPT.....	Physical Therapy
Juanpablo Duran, DPT.....	Physical Therapy
Dustin Glen Ferrell, DPT.....	Physical Therapy
Claiborne Carey Fletcher, DPT.....	Physical Therapy
Tyler Jordan France, DPT.....	Physical Therapy
Jennifer Grace Franko, DPT.....	Physical Therapy
Nicole A. Gerlich, DPT.....	Physical Therapy
Megan Elizabeth Gretka, DPT.....	Physical Therapy
Kendahl Marie-Claire Groh, DPT.....	Physical Therapy
Brian Robert Harder, DPT.....	Physical Therapy
Jason Bennett Heckman, DPT.....	Physical Therapy
Hannah Danielle Kiziah, DPT.....	Physical Therapy
Erik Michael Kreil, DPT.....	Physical Therapy
Charles Dwight Kromer, DPT.....	Physical Therapy
Hollie Nichole Lacy, DPT.....	Physical Therapy
Kelci Dee Lange, DPT.....	Physical Therapy
Richmond Pratt Letterio, DPT.....	Physical Therapy
Trevor Litwiler, DPT.....	Physical Therapy
Tiffany Michele Love, DPT.....	Physical Therapy
Ashley Nicole Myers, DPT.....	Physical Therapy
Laura Kelsey Patterson, DPT.....	Physical Therapy
Marie Ellen Salvador, DPT.....	Physical Therapy
Madelyn Ann Schricker, DPT.....	Physical Therapy
Elizabeth Nicole Shelton, DPT.....	Physical Therapy
Rachel Lynn Simeone, DPT.....	Physical Therapy
Jennifer Bryant Sydnor, DPT.....	Physical Therapy
Dillon John Tabar, DPT.....	Physical Therapy
Jacob Ross Tanner, DPT.....	Physical Therapy

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Taylor Anne Thornton, DPT.....	Physical Therapy
Megan Elise Trevino, DPT.....	Physical Therapy
Katie Lynn Wahl, DPT.....	Physical Therapy
Kelly Ann Wall, DPT.....	Physical Therapy
Jessica Nicole Welfare, DPT.....	Physical Therapy
Ashleigh Elizabeth Welter, DPT.....	Physical Therapy
Kayla Renee Wright, DPT.....	Physical Therapy
Natasha Zamkovsky, DPT.....	Physical Therapy

Doctor of Education

Jason W. Fleshman, EdD	Leadership Studies
------------------------------	--------------------

Master of Arts

Kimberley Grace Martin, MA.....	English
Carl Stacy Prater, MA.....	History
Dieyun Song, MA.....	History
Jeffrey Stuart Sullivan, MA.....	History

Master of Business Administration

Jacob Michael Camper, MBA.....	Business Administration
Adam Michael Carver, MBA.....	Business Administration
Andrew Frank Cerulli, MBA.....	Business Administration
Dean P. Cumbo, MBA.....	Business Administration
Samantha Rose Dauer, MBA.....	Business Administration
Eugene Rodwell Grosvenor, MBA.....	Business Administration
Jason Matthew Jennings, MBA.....	Business Administration
Matthew Adam Kane, MBA.....	Business Administration
Adam Matthew Kosinski, MBA.....	Business Administration
Jordan Caleb Price, MBA.....	Business Administration
Frederick Randolph Vilushis, MBA.....	Business Administration
Justin Alexander Watts, MBA.....	Business Administration
Jennifer L. Wood, MBA.....	Business Administration

Master of Criminal Justice Leadership

Gary Robert Cantrell, MCJ.....	Criminal Justice Leadership
Bryce Liggett Coulter, MCJ.....	Criminal Justice Leadership
Toy Deshae Eagle, MCJ.....	Criminal Justice Leadership
Karly Jean Mayhew-Potts, MCJ.....	Criminal Justice Leadership
Richard Henry Pence, MCJ.....	Criminal Justice Leadership

Master of Education

Frances Dawn Aaron, MED.....	Special Education
Evette Hobson Anderson, MED.....	School Counseling
Matthew Alan Baker, MED.....	Educational Leadership
Kimberly Perdue Blair, MED.....	Educational Studies
Ashleigh Victoria Cartolaro, MED.....	School Counseling
Emily Carol Davis, MED.....	Science Education
Elyse Delisle, MED.....	Curriculum & Instruction
Megan Ashley Dillon, MED.....	Educational Leadership
Brazil Johnson Ford, MED.....	School Counseling
Kelly Renee Grimm, MED.....	Special Education

Twanna Scott Hancock, MED.....	Educational Leadership
Nancy Kathryn Harrison, MED.....	Curriculum & Instruction
Dylan Tyler Hoff, MED.....	Educational Leadership
Meghan Blanks Jester, MED.....	Educational Leadership
Lindsay Michelle Langett, MED.....	Educational Leadership
Mary Clarinda Lockwood, MED.....	Educational Leadership
Rebecca Claire Matheson, MED.....	Special Education
Amanda Mae Perron, MED.....	Special Education
Brittany Ann Ponton, MED.....	Clinical Mental Health Counseling
Thomas Powers, III, MED.....	Special Education
Amanda Ann Pyle, MED.....	Special Education
Michael Alexander Releford, MED.....	Educational Leadership
Priscilla Lynn Reynolds, MED.....	School Counseling
Michelle Robinson, MED.....	School Counseling
Sydney Renee Shelton, MED.....	Educational Leadership
Jennifer Ann Smith, MED.....	Educational Leadership
Sarah Beth Sossou, MED.....	Educational Leadership
Aimee Nicole Spitzer, MED.....	Special Education
Kristofer Warren Tolle, MED.....	Educational Leadership
Dana Rochelle Wade, MED.....	Educational Leadership
Jessica Nettles Webb, MED.....	Special Education
Amy Elizabeth Williams, MED.....	Educational Leadership
Courtney Zongrone, MED.....	Clinical Mental Health Counseling

Master of Science in Nursing

Kelly Harris Brown, MSN.....	Nursing
Lawrie Anne Brust, MSN.....	Nursing
Sarah Alison Burgess, MSN.....	Nursing
Deborah Lynn Hodges, MSN.....	Nursing
Casey Leann Martin, MSN.....	Nursing
Heather Ann Paine, MSN.....	Nursing
Lauren Elizabeth Powell, MSN.....	Nursing
Mary Elizabeth Ragsdale, MSN.....	Nursing
Lindsey Michelle Tyson, MSN.....	Nursing
Terry Lea Yeager, MSN.....	Nursing

BACHELOR DEGREES CONFERRED ON AUGUST 18, 2017

Nita Abdshah, BS.....	Biomedical Science
Olayinka Akinbuwa, BS.....	Biology
Tamaraubraka Lee Aloro, Sr, BS.....	Health Promotion
Frasier W. Brickhouse, III, BA.....	Criminology
Peyton Nicole Bromley, BS.....	Health Promotion
Mary Ann Brophy, BS, Highest Honors in Health Promotion, Highest Honors in Health Promotion, Summa Cum Laude.....	Health Promotion
Lindsey Michelle Brown, BS.....	Health Promotion
Michelle Lee Butchko, BA.....	Communication Studies
Emily Ann Cassidy, BA.....	Art
Renee Elizabeth Christhlf, BS.....	Mathematics
Brianna Lyndsie Daeger, BA.....	English
Kathleen Cecilia Davies, BA.....	Communication Studies
Caitlyn Marie Dodd, BS.....	Health Promotion

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Jesse Gerald Dolan, BS.....	Health Promotion
Tory Vivien Dollesin, BA.....	International Relations
Jason Thornton Dow, BA.....	Theatre
Sarah Marie Duleh, BS.....	Health Promotion
Doiba Kikelomo Eshofonie, BS, Cum Laude.....	Health Promotion
Taylor Bryce Farrar, BS.....	Health Promotion
Benton Keith Flynt, BA, Magna Cum Laude.....	Business Administration
Precious Freeman, BS.....	Health Promotion
Cristina Maria Garcia Roldan, BA.....	International Relations
Tiffany Alicia Gee, BS.....	Health Promotion
Taylor Rose Govan, BA.....	Criminology
Deborah Governor, BS.....	Health Promotion
Jessica Lynn Graham, BS.....	Exercise Physiology
Ryan Matthew Hardy, BA.....	Sport Management
Jon Mason Harvey, BS.....	Psychology
Selena Herrera, BA.....	Criminology
Olivia Christine Hoffman, BS, Magna Cum Laude.....	Biomedical Science
Kizito Uchenna Icheokolo, BA.....	Economics, International Relations
Elijah Warren Lewis, BA.....	History
Madeline Gibson Light, BS.....	Interdisciplinary Studies-Teacher Education
Jonathan Vincent Lohmann, BS.....	Computer Science
Taylor R. Malinski, BA.....	Criminology
Trevor Daniel Martin, BS.....	Health And Physical Education
Phillip A. Milton, BA.....	Philosophy-Political Science
Maria Guadalupe Murillo-Valdez, BS.....	Health Promotion, Spanish
Nmadinobi Ruth Nnamani, BS.....	Health Promotion
Precious Okwuse, BS.....	Health Promotion
Bennett Feild Owen, BA.....	Accounting
Chavis A. Parrish, BS.....	Exercise Physiology
Cody L. Payne, BA.....	Music Education
Marcelo Miguel Quicho, III, BA.....	Environmental Studies
Carmen Aida Quinteros, BA.....	Chemistry
James Lynwood Robbins, BA, Magna Cum Laude.....	History
Alysa Sheri Rodriguez, BS, Cum Laude.....	Psychology
Harris Martin Salmon, BA.....	Criminology
Kristen Nicole Sarokhanian, BS, Magna Cum Laude.....	Health Promotion
Adrienne Jovan Seaborne, BA.....	Sociology
Ethan Edward Smietana, BS.....	Health Promotion
Andrew Kelley Smith, BA.....	Criminology
Winter Alexandria Spencer, BS.....	Health Promotion
Elizabeth Sierra Strathy, BS.....	Health Promotion
Blake Thomas Trent, BS, Summa Cum Laude.....	Interdisciplinary Studies-Teacher Education
Steven Tyson, BS.....	Health Promotion
Elizbaeth Marie Van Hooser, BA.....	Communication Studies
Shelby Pearl Voorhees, BS.....	Biomedical Science
Sarah Elaine Wade, BS.....	Health Promotion
Jackson McKnight Weems, BA.....	Business Administration
Lyndon Marcell White, BA.....	Communication Studies

GRADUATE DEGREES CONFERRED ON AUGUST 18, 2017

Doctor of Physical Therapy

Andrew Jonathan Sperr, DPT.....Physical Therapy

Doctor of Education

Jessica Mae Jones, EDD.....Leadership Studies

Patrick Donald Shuler, EDD.....Leadership Studies

Ryan D. Yarzebinski, EDD.....Leadership Studies

Master of Arts

Anna Bentson, MA.....Nonprofit Leadership Studies

Demas Boudreaux, MA.....Music

Kimberly Chavis, MA.....Nonprofit Leadership Studies

Corey Chase Cushing, MA.....Nonprofit Leadership Studies

George Shannon Ferguson, MA.....Nonprofit Leadership Studies

Robert J. Ferguson, MA.....Nonprofit Leadership Studies

Amy Elizabeth Jacobs, MA.....Nonprofit Leadership Studies

Lara Jesser-Abell, MA.....Nonprofit Leadership Studies

Meredith Grace Kurzweil, MA.....Nonprofit Leadership Studies

Elizabeth Cullinane Lane, MA.....Nonprofit Leadership Studies

Lisa C. Linthicum, MA.....Nonprofit Leadership Studies

Maleena Elizabeth Reid, Ms, MA.....Nonprofit Leadership Studies

William Joseph Sperrazza, MA.....Music

Allison Gentry Szuba, MA.....Nonprofit Leadership Studies

Heidi Denae Terry, MA.....Music

Kathy Judea Thomas, MA.....Nonprofit Leadership Studies

Chelsey M. Tomlin, MA.....Nonprofit Leadership Studies

Aleshia Washington, MA.....Nonprofit Leadership Studies

Master of Business Administration

Cody Allie Blankenship, MBA.....Business Administration

Zachary G. Blankenship, MBA.....Business Administration

Andrew Joseph De Santis, MBA.....Business Administration

Matthew Wayne Dodson, MBA.....Business Administration

Davis J. Francis, MBA.....Business Administration

Gerald Bryan Gentry, MBA.....Business Administration

Kelly Ann Lineberry, MBA.....Business Administration

Daniel Albert Rowe, MBA.....Business Administration

Rayfurd Bazil Thompson, MBA.....Business Administration

Master of Criminal Justice Leadership

Christopher Daniel Furlough, MCJ.....Criminal Justice Leadership

Pamela Denise Jeffries, MCJ.....Criminal Justice Leadership

Master of Education

Derek Adam, MED.....Educational Leadership

Carolina Ester Alley, MED.....Educational Leadership

Brittany Marie Bocoock, MED.....Special Education

Beulah Mae Bolden, MED.....Clinical Mental Health Counseling

Katherine L. Bowman, MED.....Curriculum & Instruction

Katherine Grace Bruckner, MED.....Special Education

Brandy Lee Bryan, MED.....	Special Education
Avigyl Buehler, MED.....	Clinical Mental Health Counseling
Sarah Anne Carroll, MED.....	Educational Studies
Sarah Fae Carter, MED.....	Science Education
Cirus Cepal, MED.....	Educational Leadership
Diana Mary Charles, MED.....	Educational Leadership
Irene Emmanuel Emmanuel, MED.....	Reading
Tracy Estelus, MED.....	Science Education
Benjamin Adam Hall, MED.....	Educational Studies
Reneta N. Herndon, MED.....	Reading
Rickell Arshula Hill, MED.....	Reading
Brenda Junia Joseph, MED.....	Educational Leadership
Rhonda Catherine Joseph, MED.....	Educational Leadership
Lisa Fox Lee, MED.....	Special Education
Stacy Ann Lilley, MED.....	Reading
Melissa L. McNeely, MED.....	Reading
Valerie Ann Palmbach, MED.....	Special Education
Andrew T. Power, MED.....	Clinical Mental Health Counseling
Dawson Mervyn Ragunanan, MED.....	Educational Leadership
Christopher D. Robbins, MED.....	Special Education
Virginia McKinney Shank, MED.....	Reading
Teal Reshae Shephard, MED.....	Reading
Ignatia St. Brice, MED.....	Educational Leadership
Christie M. Stephens, MED.....	Educational Leadership
Lorie Ann Ventura, MED.....	Science Education
Finella Alma William, MED.....	Educational Leadership
Emma Grace Williams, MED.....	Special Education
Yasmine Theresa Williams, MED.....	Special Education

Master of Physician Assistant Medicine

Carlie Marie Black, MPA.....	Physician Assistant Medicine
Christian Ann Bowlin, MPA.....	Physician Assistant Medicine
Rebecca Lynn Brewer, MPA.....	Physician Assistant Medicine
Gregory Alexander Collier, MPA.....	Physician Assistant Medicine
Benjamin Taylor Colston, MPA.....	Physician Assistant Medicine
Cassandra Elverum, MPA.....	Physician Assistant Medicine
Avery M. Eriksson, MPA.....	Physician Assistant Medicine
Emily Ann Gabel, MPA.....	Physician Assistant Medicine
Leah Elizabeth Heal, MPA.....	Physician Assistant Medicine
Marcy Kincaide Hoath, MPA.....	Physician Assistant Medicine
Taylor Covington Lavery, MPA.....	Physician Assistant Medicine
Indre Lithyovong, MPA.....	Physician Assistant Medicine
Kiana Mehry Maghamez, MPA.....	Physician Assistant Medicine
Joni L. McGinn, MPA.....	Physician Assistant Medicine
Brooke McNamara, MPA.....	Physician Assistant Medicine
Melisa Jane Nemece, MPA.....	Physician Assistant Medicine
Timothy Richard Olsen, MPA.....	Physician Assistant Medicine
Elizabeth Miller Palmer, MPA.....	Physician Assistant Medicine
Minal Patel, MPA.....	Physician Assistant Medicine
Kristen L. Purdy, MPA.....	Physician Assistant Medicine
Christopher Devone Rigney, MPA.....	Physician Assistant Medicine
Nicole Marie Schneider, MPA.....	Physician Assistant Medicine
Jonathan Elliott Schoeffel, MPA.....	Physician Assistant Medicine

Ryan Vincent Turkekul, MPA.....Physician Assistant Medicine

Master of Public Health

Husnia Akrami, MPH.....Public Health
Leonette Lenora Gardiner, MPH.....Public Health
Lauren Martin, MPH.....Public Health
Megan Katherine McAnally, MPH.....Public Health
Rashawnda Elizabeth Osborne, MPH.....Public Health
Margaret Anne Redd, MPH.....Public Health
Kimberly Noelle Roldan, MPH.....Public Health
Lauryn Madison Tribley, MPH.....Public Health
Megan Raye Williams, MPH.....Public Health

ENROLLMENT - FALL SEMESTER 2017

UNDERGRADUATE PROGRAM

FULL-TIME STUDENTS	Women	Men	Total
Seniors	279	161	440
Juniors	305	202	507
Sophomores	271	184	455
Freshmen	304	216	520
Non-Degree	<u>3</u>	<u>3</u>	<u>6</u>
TOTAL FULL-TIME STUDENTS	1,162	766	1,928
TOTAL PART-TIME STUDENTS	<u>82</u>	<u>40</u>	<u>122</u>
TOTAL UNDERGRADUATE STUDENTS	1,244	806	2,050

GRADUATE PROGRAM

	Full-time	Part-time	Total
Athletic Training	18	0	18
Business	5	45	50
Criminal Justice Leadership	0	11	11
Education	73	119	192
History	0	1	1
Leadership Studies	6	33	39
Medical Science	63	21	84
Music	0	1	1
Nonprofit Leadership Studies	12	18	30
Nursing	0	14	14
Physical Therapy	147	0	147
Physician Assistant Medicine	60	1	61
Public Health	20	7	27
Non-Degree	<u>5</u>	<u>80</u>	<u>85</u>
TOTAL GRADUATE STUDENTS	409	351	760

TOTAL UNDERGRADUATE AND GRADUATE ENROLLMENT 2,810

STATES REPRESENTED BY FULL-TIME UNDERGRADUATE STUDENTS

Alabama	1	Maine	8	South Carolina	6
Arizona	2	Maryland	166	Tennessee	5
California	5	Massachusetts	21	Texas	9
Connecticut	30	Michigan	3	Vermont	2
Delaware	42	Mississippi	2	Virginia	1,324
District of Columbia	5	Missouri	1	Washington	2
Florida	8	New Hampshire	2	West Virginia	1
Georgia	4	New Jersey	68	International	31
Iowa	1	New York	33		
Illinois	3	North Carolina	79	TOTAL	1,928
Indiana	2	Ohio	6		
Kansas	1	Pennsylvania	52		
Louisiana	1	Rhode Island	2		

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