

ACADEMIC PROGRAMS

The academic program of study at Lynchburg College 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 Lynchburg College

One of the principal goals of liberal education is to prepare students for intellectually fulfilling and productive lives. To achieve this goal, the College 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 Lynchburg College 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	
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	

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	
MATH	222	Introductory 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)	Hebrew Bible/Old Testament	
RELG	202W (or 202)	New Testament	
RELG	205W (or 205)	Religions of Asia	
RELG	206W (or 206)	Judaism, Christianity, and Islam	
RELG	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 (or 435)	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.

Lynchburg College Writing Enriched Program (WE)

The purpose of the Lynchburg College “WE Write for Success” Initiative is to improve student skill in evidence-based writing. Beginning with the fall 2014 freshman class, students are required to complete at least six writing enriched (WE) courses (for a total of 17 hours) 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, ENGL 111W-112W (or the equivalent) are prerequisites to other WE courses unless indicated otherwise in the course description.

Only courses offered by Lynchburg College may be counted as WE courses. The WE requirement of 17 credit hours will be modified for students who transfer in college credits as follows: freshman transfer students (12-24 credit hours) will need to complete 14 hours of WE courses; sophomore transfer students (25-55 credit hours) will need to complete 11 hours of WE courses; junior transfer students (56-76 credit hours) will need to complete 8 hours of WE courses. 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) (for a total of 17 semester hours).

All WE courses must be completed at Lynchburg College. 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 Lynchburg College is as follows:

- five WE courses (14 semester hours) for students with 12-24 transfer credits
- four WE courses (11 semester hours) for students with 25-55 transfer credits
- three WE courses (8 semester hours) for students with 56-76 transfer credits

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

ART	132W	Survey of Art History II
A T	350W	Therapeutic Interventions I
A T	450W	Evidence Based Research Methods in Athletic Training
BIOL	205W	Plant Biology
BIOL	220W	Cellular Diversity
BIOM	301W	Biomedical Science Seminar
BUAD	441W	Integrated Application of Business Principles
CHEM	241W	Research Methodology in Chemistry
COMM	201W	Media Writing, I
COMM	303W	Research Methods in Communication
COMM	338W	Environmental Communication
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	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
ENST	210W	People and the Environment
ENVS	201W	History of Earth and Life
EXPH	200W	Exploration in Exercise Physiology
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
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	212W	Humanities Seminar
HPE	303W	Motor Development
INTL	321W	Research Methods in International Relations
LATN	201W	Intermediate Latin
MATH	260W	Mathematical Reasoning and Proof
MKTG	375W	Consumer and Buyer Behavior
MUSC	302W	Music History and Literature I
MUSC	306W	Form and Analysis
MUSC	402W	Senior Seminar in Music Performance
PHIL	200W	Introduction to Philosophy
PHYS	333W	Computational Physics
POLI	321W	Political Science Research Methods
POLI	372W	United States Foreign Policy

PSYC	245W	Human Development
PSYC	275W	Research Methodology
PSYC	341W	Psychology of Development
PSYC	367W	Child Psychopathology
RELG	201W	Old Testament
RELG	202W	New Testament
RELG	205W	Religions of Asia
RELG	206W	Judaism, Christianity, and Islam
SOCI	358W	Sociological Theory
SPAN	460W	Literature in Spanish: Latin America
SPAN	461W	Literature in Spanish: Spain
SPMG	270W	Governance of Sport Organizations
THEA	212W	Dramatic Literature: Seventeenth Century to Present

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 a Change of Declaration of Major form available in the Office of Academic Advising.

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 Lynchburg College; for joint majors, half the hours in each major discipline must be taken at Lynchburg College. 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	School
Accounting	BA	Business and Economics
Art	BA	Communication and the Arts
Emphases: Graphic Design or Studio Art		
Athletic Training	BS	Health Sciences and Human Performance
Biology	BS	Sciences
Biomedical Science	BS	Sciences
Business Administration	BA	Business and Economics
Chemistry	BA/BS	Sciences
Communication Studies	BA	Communication and the Arts
Emphases: Communication and Social Influence, Convergent Journalism, Electronics Media, or Public Relations		

Majors	Degrees	School
Computer Science	BS	Sciences
Criminology	BA	Humanities and Social Sciences
Economics	BA	Business and Economics
Emphases: Financial or General		
Economic Crime Prevention and Investigation	BA	Business and Economics
Engineering		Dual Program with ODU or UVA
English	BA	Humanities and Social Sciences
Environmental Science	BS	Sciences
Environmental Studies	BA	Sciences
Exercise Physiology	BS	Health Sciences and Human Performance
French	BA	Humanities and Social Sciences
Health and Physical Education	BS	Health Sciences and Human Performance
Health Promotion	BS	Health Sciences and Human Performance
History	BA	Humanities and Social Sciences
Emphases: American or European		
Human Resource Management	BA	Business and Economics
Interdisciplinary Studies - Teacher Education	BS	Education and Human Development
Emphases: Elementary Education or Special Education		
International Relations	BA	Humanities and Social Sciences
Liberal Arts Studies	BA	General Studies
Management	BA	Business and Economics
Marketing	BA	Business and Economics
Mathematics	BS	Sciences
Music	BA	Communication and the Arts
Emphases: Instrumental Performance or Vocal Performance		
Music Education	BA	Communication and the Arts
Emphases: Instrumental Education or Vocal Education		
Nursing	BS	Health Sciences and Human Performance
Philosophy	BA	Humanities and Social Sciences
Philosophy-Political Science	BA	Humanities and Social Sciences
Physics	BS	Sciences
Political Science	BA	Humanities and Social Sciences
Psychology	BS	Sciences
Religious Studies	BA	Humanities and Social Sciences
Sociology	BA	Humanities and Social Sciences
Spanish	BA	Humanities and Social Sciences
Sport Management	BA	Health Sciences and Human Performance
Theatre	BA	Communication and the Arts
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 the Office of Academic Advising.

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 Lynchburg College 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 Lynchburg College. General Education courses may be used in the minor.

MINOR FIELDS OF CONCENTRATION

Minors

Accounting
 Art History
 Biology
 Business
 Chemistry
 Coaching
 Computer Science
 Computer Science Applications
 Communication and Social Influence
 Convergent Journalism
 Creative Writing
 Criminology
 Economics
 Electronic Media
 Elementary Education
 English
 Environmental Science
 Environmental Studies
 Fraud Investigation
 French
 Gender Studies
 German
 Graphic Design
 Health Promotion
 History
 Human Services
 Human Resource Management

School

Business and Economics
 Communication and the Arts
 Sciences
 Business and Economics
 Sciences
 Health Sciences and Human Performance
 Sciences
 Sciences
 Communication and the Arts
 Communication and the Arts
 Humanities and Social Sciences
 Humanities and Social Sciences
 Business and Economics
 Communication and the Arts
 Education and Human Development
 Humanities and Social Sciences
 Sciences
 Sciences
 Business and Economics
 Humanities and Social Sciences
 Humanities and Social Sciences
 Humanities and Social Sciences
 Communication and the Arts
 Health Sciences and Human Performance
 Humanities and Social Sciences
 Humanities and Social Sciences
 Business and Economics

Minors

International Relations
 Latin
 Latin American Studies
 Leadership Studies
 Management
 Marketing
 Mathematics
 Medieval and Renaissance Studies
 Museum Studies
 Music
 Music for Children
 Music History
 Music Media Minor
 Music Performance
 Outdoor Recreation
 Philosophy
 Physics
 Political Science
 Popular Culture
 Psychology
 Public Relations/Journalism
 Religious Studies
 Secondary Education
 Sociology
 Spanish
 Special Education
 Sport Management
 Sports Medicine
 Studio Art
 Theatre

School

Humanities and Social Sciences
 Humanities and Social Sciences
 Humanities and Social Sciences
 Business and Economics
 Business and Economics
 Business and Economics
 Sciences
 Humanities and Social Sciences
 Communication and the Arts
 Communication and the Arts
 Communication and the Arts
 Communication and the Arts
 Communication and the Arts
 Communication and the Arts
 Health Sciences and Human Performance
 Humanities and Social Sciences
 Sciences
 Humanities and Social Sciences
 Communication and the Arts
 Sciences
 Communication and the Arts
 Humanities and Social Sciences
 Education and Human Development
 Humanities and Social Sciences
 Humanities and Social Sciences
 Education and Human Development
 Health Sciences and Human Performance
 Health Sciences and Human Performance
 Communication and the Arts
 Communication and the Arts

Core Goals

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

To accomplish this, the College 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

Lynchburg College Symposium Readings Program (LCSR)

The Lynchburg College 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 perspectives within the context of regular courses. While acquainting the student with great works from a variety of world traditions, LCSR en-

courages critical thinking by engaging students in a variety of oral and written activities organized around the readings.

An “LCSR course” is a regular Lynchburg College 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.

WESTOVER HONORS PROGRAM

Dr. Edward DeClair, Director
 Dr. Nancy Cowden, Associate Director
 Dr. Elizabeth Savage, Assistant Director

The Lynchburg College Westover Honors Program, 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 the program, 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 College may apply to the program if their academic performance is outstanding.

The purpose of the Westover Honors Program is to attract, stimulate, challenge, and fulfill academically gifted students. The program offers an innovative approach to general education and prepares students to excel in a world characterized by widespread and rapid change. The program 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 Program is a learning community that provides formal and informal opportunities for interaction of individuals with shared values and vision. The program 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 Program students (called “Fellows”) complete a special general education curriculum of fifty-three hours.

As freshmen and sophomores, Westover students 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 students 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 live in a special residence hall area to facilitate group learning and community.

Students interested in applying for the program should contact the Office of Enrollment Services or the Westover Honors Program director.

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	112	Humanities Seminar	3
HONR	121	Mathematics Seminar	3
HONR	131	Social Science Seminar	3
HONR	211	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	

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Honors 33

			Hours
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	
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	435-436 with	Honors Symposium	0-6
G S	435W	Senior Symposium	
HONR	451-452	Senior Honors Project	<u>3-6</u>
<i>Total Hours Required</i>			<u>53</u>

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

	<u>FALL</u>		<u>SPRING</u>			
Freshman:	HONR	100	1 hr	HONR	112	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	211	3 hrs	HONR	212W	3 hrs
	HONR	233	4 hrs	HONR	221	3 hrs
	Major/Elect		10 hrs	HONR	234	4 hrs
				Major/Elect		9 hrs

In the junior and senior years, Westover Fellows concentrate on their majors, but they must take a total of fifteen hours in Westover Honors courses. 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 program director.

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., P.A.)

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
ENGL 111W, 112W	6
PHYS 141-142 or 161-162	8

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

Physical therapy is a doctoral level curriculum. Students may choose any undergraduate major but must satisfy all pre-requisite requirements in order to be admitted. Typical pre-requisites 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 Lynchburg College graduate catalog for information on the Doctor of Physical Therapy Program. Lynchburg College 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 Lynchburg College 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 pre-requisite 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 Lynchburg College 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. Aronson

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 psychology 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-Forestry and Wildlife

Advisor: Dr. Perault

Students planning careers in forestry, wildlife management, or conservation may study four years at Lynchburg College 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 the Academic Advising Center. 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 Office of Academic and Career Development Services. 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: Mr. Millson-Martula

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 College Chaplain), Lynchburg College 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 College 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 College;
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 Development 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 or historical sites should declare a minor in museum studies by the beginning of the junior year. The requirements 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 and operations, and training of personnel.