NRSG 612  TEACHING AND LEARNING STRATEGIES (3) Students will examine instructional strategies for helping learners achieve success in the classroom, laboratory, and clinical setting. Learner characteristics will be explored and formative and summative evaluation will be differentiated. Students will practice instructional strategies in simulated situations. This is a required course for students in the nurse educator track.

NRSG 613  ASSESSMENT STRATEGIES FOR THE NURSE EDUCATOR (3) Prerequisite or concurrent: NRSG 612. Students will examine a variety of strategies for classroom and laboratory assessment and clinical evaluation. Creation of NCLEX – such as test questions, test blueprints, and rubrics for assessment, as well as clinical evaluation tools – will be practiced. This is a required course for students in the nurse educator track.

NRSG 618  CURRICULUM DEVELOPMENT AND EVALUATION (3) Students will study traditional and contemporary ideas related to curriculum development, examining historical, philosophical, ethical, social, political, economic, and professional issues that impact curriculum design. Methods for designing, implementing, evaluating, and revising educational programs will be examined and analyzed. This course is required for students in the nurse educator track.

NRSG 620  NURSING INFORMATICS AND HEALTH CARE TECHNOLOGIES (3) Nursing Informatics uses the Foundation of Knowledge model to integrate multiple aspects of nursing science and information technology in clinical and non-clinical settings to transform data into knowledge. Knowledge acquisition, dissemination, generation, and processing provide opportunities to advance nursing competencies by enhanced data management skills.

NRSG 622  ORGANIZATIONAL BEHAVIOR AND MIROSYSTEM MANAGEMENT IN HEALTHCARE (3) This 3 credit course is required for students in the Clinical Nurse Leader track of the Master’s Program. A major role of the Clinical Nurse Leader is to provide leadership at the center of the microsystem to promote quality outcomes. Students will learn and apply theoretical concepts related to organizational behavior through online discussions, case analyses, and evidence based writing assignments. The course exposes students to a variety of organizational members and leaders. As students apply theory to organizational practices in healthcare they will identify positive strategies for influencing healthcare microsystems.

NRSG 625  POPULATION HEALTH STRATEGIES (3) Focus is on the assessment of communities and people groups utilizing epidemiological principles to define, design, and implement culturally competent healthcare. Care of people groups that are determined to be at risk, community care following a disaster, and environmental factors upon community health are also discussed.

NRSG 690  CLINICAL NURSE LEADER PRACTICUM I (4) Prerequisites: NRSG 610, NRSG 624, NRSG 625. This course focuses on the assessment of communities and people groups utilizing epidemiological principles to define, design, and implement culturally competent healthcare. Care of people groups that are determined to be at risk, community care following a disaster, and environmental factors upon community health are also discussed.

NRSG 692  CLINICAL NURSE LEADER PRACTICUM II–IMMERSION EXPERIENCE (6) Prerequisites: All required graduate nursing courses. This course focuses on the integration of clinical nursing concepts with leadership and management concepts as they apply to practice as a clinical nurse leader (CNL) in a healthcare facility. The student will implement an evidence-based nursing practice project in the healthcare setting and evaluate the outcomes. The student will also assume the role of CNL in the setting and practice as such under a mentor.
NURSE EDUCATOR PRACTICUM I–STAFF DEVELOPMENT (4) Prerequisites: NRSG 601, 610, 612, 613, 615, 618; Prerequisite or concurrent with NRSG 605. This course focuses on the integration of nursing education concepts as they apply to practice as an educator in a healthcare facility. The student will engage in staff educational activities to operationalize the theoretical knowledge of nursing education.

NURSE EDUCATOR PRACTICUM II–ACADEMIC (6) Prerequisites: NRSG 601, 603, 604, 605, 610, 612, 613, 615, 618. Focus is on the integration of nursing education concepts as they apply to practice as an educator in an academic setting. The student will engage in didactic, skills lab, and clinical activities to operationalize the theoretical knowledge of nursing education.

PHYSICIAN ASSISTANT MEDICINE (MPAM)

INTRODUCTION TO THE PROFESSION (1) This course is designed to aid the student in the transition into the medical profession and serves as an introduction to professional issues. Areas of discussion include the history of the physician assistant profession, the PA-Physician team, professional organizations, licensing and credentialing, malpractice, professionalism, health care delivery, reimbursement issues including Medicaid and Medicare, biomedical ethics, health literacy, diversity issues, domestic violence, and end of life issues.

MEDICAL PRACTICE I (5) This is the first in a series of courses designed to provide an intensive study of human diseases and disorders using a lifespan approach in the areas of clinical medicine including epidemiology, etiology, clinical presentation, progression, therapeutic management, prevention, laboratory medicine, imaging, and prognosis. Emphasis will be on disease processes common to primary care practices and the development of a differential diagnoses and plans based upon the patient’s clinical presentation.

MEDICAL PRACTICE II (5) This is the second in a series of courses designed to provide an intensive study of human diseases and disorders using a lifespan approach in the areas of clinical medicine including epidemiology, etiology, clinical presentation, progression, therapeutic management, prevention, laboratory medicine, imaging and prognosis. Emphasis will be on disease processes common to primary care practices and the development of a differential diagnoses and plans based upon the patient’s clinical presentation.

MEDICAL PRACTICE III (5) This is the third in a series of courses designed to provide an intensive study of human diseases and disorders using a lifespan approach in the areas of clinical medicine including epidemiology, etiology, clinical presentation, progression, therapeutic management, prevention, laboratory medicine, imaging, and prognosis. Emphasis will be on disease processes common to primary care practices, emergency medicine, pediatrics, geriatrics, surgery and the development of a differential diagnoses and plans based upon the patient’s clinical presentation.

CRITICAL THINKING IN MEDICINE I (2) This is the first in a series of courses designed to provide problem-based learning and simulation. This course creates an environment which will allow the students to pursue lines of inquiry, draw upon existing knowledge and experience to develop professional competencies and characteristics of excellent physician assistant students and future clinicians. Students will identify and pursue new learning issues and objectives, and pursue evidence to support their ideas. Each student assumes responsibility for appropriate analysis and delivery of findings to a small group of peers and a faculty facilitator. Each student is engaged as a partner in the learning environment which is critical to the process of discovery and clinical reasoning. Within the simulation experience, students will strengthen their synthesis in critical thinking, communication skills and team approach, to practice evidence-based medicine.
PA 605  CRITICAL THINKING IN MEDICINE II (2) Prerequisite: Successful completion of prior semester of PA course work or program permission. This course is the second in a series of courses designed to provide problem-based learning and simulation building in medical complexity. This course creates an environment which will allow the students to pursue lines of inquiry, draw upon existing knowledge and experience to develop the professional competencies and characteristics of excellent physician assistant students and future clinicians. Students will identify and pursue new learning issues and objectives, and pursue evidence to support their ideas. Each student assumes responsibility for appropriate analysis and delivery of findings to a small group of peers and a faculty facilitator. Each student is engaged as a partner in the learning environments which is critical to the process of discovery and clinical reasoning. Within the simulation experience, students will strengthen their synthesis in critical thinking, communication skills and team approach to practice evidence-based medicine.

PA 606  CRITICAL THINKING IN MEDICINE III (2) Prerequisite: Successful completion of prior semester of PA course work or program permission. This course is the third in a series of courses designed to provide problem-based learning and simulation building in medical complexity. This course creates an environment which will allow the students to pursue lines of inquiry, draw upon existing knowledge and experience to develop the professional competencies and characteristics of excellent physician assistants and future clinicians. Students will identify and pursue new learning issues and objectives, and pursue evidence to support their ideas. Each student assumes responsibility for appropriate analysis and delivery of findings to a small group of peers and a faculty facilitator. Each student is engaged as a partner in the learning environment which is critical to the process of discovery and clinical reasoning. Within the simulation experience, students will strengthen their synthesis in critical thinking, communication skills and team approach to practice evidence-based medicine.

PA 608  HUMAN ANATOMY I (4) This course introduces students to a thorough, clinically relevant knowledge base in human gross anatomy. This course utilizes lectures, interactive, computer programs, and texts are chosen to assist in active laboratory learning. Through critical thinking and active dissection students will learn a foundation of anatomy, which will allow them to build upon their clinical procedural/ surgical skills in clinical practice.

PA 609  HUMAN ANATOMY II (4) Prerequisite: Successful completion of prior semester of PA course work or program permission. This is the second in a series of courses to introduce students to a thorough, clinically relevant knowledge base in human gross anatomy. This course utilizes lectures, interactive, computer programs, and texts are chosen to assist in active laboratory learning. Through critical thinking and active dissection students will learn a foundation of anatomy, which will allow them to build upon their clinical procedural/ surgical skills in clinical practice.

PA 610  SOCIAL AND CULTURAL ASPECTS OF HEALTHCARE (3) Prerequisite: Successful completion of prior semester of PA course work or program permission. This course is designed with an emphasis on social, cultural, emotional and psychological factors affecting patient care and human relationships. Students will be introduced to the principles of basic communication skills in organizing an interview and developing a working relationship with patients who are stressed. The team approach to comprehensive health care is also discussed.

PA 611  HEALTH ETHICS (1) Prerequisite: Successful completion of prior semester of PA course work or program permission. This course is designed to give students an appreciation of the basic knowledge and skills in ethical theory and reasoning, professional ethics, and inter-professional approaches to healthcare decision making.
PA 612 Pathophysiology I (3) This course reviews the basic concepts and principles that are essential to comprehending the fundamental mechanisms of human physiology at the cellular, tissue and organ levels; and, the requirements for the maintenance of homeostatic control and identification of pathology. This course lays the foundation for understanding the underlying principles of the etiology, management and prevention of human disease processes.

PA 613 Pathophysiology II (3) Prerequisite: Successful completion of prior semester of PA course work or program permission. This is the second in a series of courses which reviews the basic concepts and principles that are essential to comprehending the fundamental mechanisms of human physiology at the cellular, tissue and organ levels; and, the requirements for the maintenance of homeostatic control and identification of pathology. This course lays the foundation for understanding the underlying principles of the etiology, management and prevention of human disease processes.

PA 614 Physical Diagnosis I (2) An introduction to history-taking, physical examination techniques, counseling, documentation and presenting clinical information along with the practical application of these clinical skills are presented in this course. Emphasis is placed on acquiring the skills, knowledge and sensitivity needed to communicate and intervene effectively in a wide variety of patient encounters.

PA 615 Physical Diagnosis II (2) Prerequisite: Successful completion of prior semester of PA course work or program permission, PA 614. This is the second in a series of courses designed to facilitate history-taking, physical examination techniques, counseling, documentation and presenting clinical information along with the practical application of these clinical skills. Continued emphasis is placed on acquiring the skills, knowledge and sensitivity needed to communicate and intervene effectively in a wide variety of patient encounters.

PA 616 Physical Diagnosis III (2) Prerequisite: Successful completion of prior semester of PA course work or program permission, PA 614 PA 615. This is the third in a series of courses designed to facilitate history-taking, physical examination techniques, counseling, documentation and presenting clinical information along with the practical application of these clinical skills. Continued emphasis is placed on acquiring the skills, knowledge and sensitivity needed to communicate and intervene effectively in a wide variety of patient encounters.

PA 617 Community Clinic I (1) Prerequisite: Successful completion of prior semester of PA course work or program permission. This course is designed to introduce first year students to patient communication and interaction while serving local free clinics in the Lynchburg and surrounding areas. Students will be utilizing a team approach to patient care within a clinic setting.

PA 618 Community Clinic II (1) Prerequisite: Successful completion of prior semester of PA course work or program permission, PA 617. This is the second in a serious of courses to introduce first year students to patient communication and interaction while serving local free clinics in the Lynchburg and surrounding areas. Students will be utilizing a team approach to patient care within a clinic setting.

PA 627 Pharmacotherapeutics I (3) This course is designed to develop skills related to the principles of pharmacology as they pertain to therapeutic agents, prescription, and non-prescription medications. The course will include the principal mechanisms of action of the major classes of therapeutic agents, understanding of pharmacodynamics, uses, side effects, and toxicities.

PA 628 Pharmacotherapeutics II (3) Prerequisite: Successful completion of prior semester of PA course work or program permission, PA 627. This is the second in a series
of courses designed to develop skills related to the principles of pharmacology as they pertain to therapeutic agents, prescription, and non-prescription medications. The course will include the principal mechanisms of action of the major classes of therapeutic agents, understanding of pharmacodynamics, uses, side effects, and toxicities.

PA 629 MEDICAL MICROBIOLOGY (3) Prerequisite: Successful completion of prior semester of PA course work or program permission. This course covers the fundamental properties of pathogenic bacteria, viruses and fungi and the diseases these organisms cause. The various properties of bacteria are correlated with pathogenesis of disease, with specific focus on pharmaceutical treatment options.

PA 634 MEDICAL INFORMATICS AND RESEARCH (3) Prerequisite: Successful completion of prior semester of PA course work or program permission. This course is designed to cover the importance of evidence-based medicine and review basic statistics, research methods, and ethical standards in research. Emphasis will be on developing the skills to critically appraise the validity of medical literature and the application of various types of clinical articles in answering clinical questions. Basic medical writing will be included to provide added guidance for upcoming projects.

PA 640 ADVANCED CLINICAL PROCEDURES (5) Prerequisite: Successful completion of prior semester of PA course work or program permission. This four-week course will prepare the student for the upcoming clinical year. The focus will be on procedures, such as bedside and surgical procedures including aseptic technique, air and blood-borne pathogen transmission prevention, phlebotomy, IV placement, Foley catheter insertion, lumbar puncture, injections, surgical techniques, suturing, and casting.

PA 645 PRIMARY CARE SUPERVISED CLINICAL PRACTICE (3) Prerequisite: Successful completion of prior semester of PA course work or program permission. This five-week clinical course will be within a Family Medicine clinic setting. This course provides the PA student with experience in the outpatient evaluation and treatment of pediatric and adult patients, including preventive medicine, acute and chronic illness, and patient education.

PA 650 EMERGENCY MEDICINE SUPERVISED CLINICAL PRACTICE (3) Prerequisite: Successful completion of prior semester of PA course work or program permission. This five-week clinical course will be within a hospital Emergency Department. PA students will gain knowledge and learn skills relevant to the triage, stabilization, diagnosis, and management of acute, life-threatening injuries and illnesses as well as the care of less threatening conditions.

PA 655 INPATIENT MEDICINE SUPERVISED CLINICAL PRACTICE (3) Prerequisite: Successful completion of prior semester of PA course work or program permission. This five-week clinical course will be within an Inpatient Medicine practice. It will include a substantial inpatient experience for the PA student to gain knowledge of the evaluation and treatment of the multiple diseases and conditions of the adult population requiring hospitalization. The focus of this rotation is providing care for patients in the hospital setting with an emphasis on internal medicine.

PA 660 GENERAL SURGERY SUPERVISED CLINICAL PRACTICE (3) Prerequisite: Successful completion of prior semester of PA course work or program permission. This five-week clinical course will be within a surgical practice. PA students will participate in Operating Room (OR) cases and hospital consultations as well as clinic based cases and visits in caring for conditions that require surgical management. This will include pre-operative, intra-operative, and post-operative care.
WOMEN’S HEALTH SUPERVISED CLINICAL PRACTICE (3) Prerequisite: Successful completion of prior semester of PA course work or program permission. This five-week clinical course provides the PA student with experience in managing common gynecologic disorders. The obstetric experience will include routine prenatal and postpartum care. It will include labor & delivery.

PEDIATRIC MEDICINE SUPERVISED CLINICAL PRACTICE (3) Prerequisite: Successful completion of prior semester of PA course work or program permission. This five-week clinical course will provide the PA student with experience in outpatient and/or in-patient management of pediatric patients. The student will have the opportunity to perform well child exams, problem oriented exams, evaluate common pediatric illnesses, and the care of the newborn and children.

BEHAVIORAL HEALTH SUPERVISED CLINICAL PRACTICE (3) Prerequisite: Successful completion of prior semester of PA course work or program permission. This five-week clinical course will provide the PA student with a behavioral medicine experience in caring for ambulatory and/or hospitalized patients with psychiatric disorders. The student will perform basic psychiatric evaluations, monitor medications, and support the clinical management plan for patients after psychiatric evaluation and treatment.

ELECTIVE I SUPERVISED CLINICAL PRACTICE (3) Prerequisite: Successful completion of prior semester of PA course work or program permission. This five-week clinical course will provide the PA student the opportunity to practice in any available medical setting of the student’s choice. This may be used to augment a previous clinical experience or explore an area of interest or potential future employment.

ELECTIVE II SUPERVISED CLINICAL PRACTICE (3) Prerequisite: Successful completion of prior semester of PA course work or program permission. This five-week clinical course will provide the PA student the opportunity to practice in any available medical setting of the student’s choice. This may be used to augment a previous clinical experience or explore an area of interest or potential future employment.

RESEARCH CLERKSHIP (3) Prerequisite: Successful completion of prior semester of PA course work or program permission. This five-week course allows the PA student to participate in research in any medical area of interest in preparation for the student’s Master’s Project. The student may engage the multiple academic departments of Lynchburg College outside of the Department of PA Medicine for this research. Topics for research must be approved by the Department Chair and must be approved by the appropriate College review board. As an alternative, the student may perform a service learning project during this time as part of the Master’s Project.

MASTER’S RESEARCH (3) Prerequisite: Successful completion of prior semester of PA course work or program permission. This course is a follow up to Medical Informatics and the Research Clerkship. It is designed to allow the PA student to complete a master’s degree project under the guidance of faculty or a community advisor. Students may identify an area of medicine, disease process or condition, conduct research, and produce a paper worthy of publication. The student may also perform a learning service project resulting in a publishable paper or product for use in the community. The student will prepare and present an oral presentation on their topic at the conclusion of the year.

SUMMATIVE COURSE (3) Prerequisite: Successful completion of prior semester of PA course work or program permission. This course, presented near the end of the clinical year, will include intensive board review in preparation for the PANCE, review for clinical skills
testing, CV preparation, and interviewing skills. It also includes a final clinical skills exam as well as a cumulative written test, both of which must be successfully passed to graduate from the program.

**PHYSICIAN ASSISTANT MEDICINE (DPAM)**

**PA 910 ORGANIZATIONAL BEHAVIOR AND LEADERSHIP (3)** Prerequisite: Successful completion of prior semester of PA course work or program permission. This course examines how the personal characteristics of organizational members influence the effectiveness and productivity of organizations and the job satisfaction of its members. It is believed that organizations are comprised of three levels, the individual, the group or department, and the organization itself. This course will focus on the problems and challenges leaders face in dealing with the individual and the small groups in the organization. Special attention will be given to the role of teams in organizations, the stages of team development, and actions that can support the development of effective teams. The realities of interpersonal processes are considered through examination of the roles of power, politics, and conflict in organizations. The human side of organizational change is then explored with a focus on understanding how and why people react to organizational change and identifying opportunities for enhancing the effective implementation of change.

**PA 920 HEALTHCARE ADMINISTRATION (3)** Prerequisite: Successful completion of prior semester of PA course work or program permission. This course provides PA's with a concrete foundation in healthcare finance, resource allocation, and administration. The goal is to assist students develop practical approaches to improving the excellence and delivery of healthcare. Healthcare decisions are especially apt to have some form of ethical consequence. This course is designed to provide a basic framework from which to consider these consequences, as well as give the healthcare professional tools to develop management styles.

**PA 930 DISASTER MEDICINE (3)** Prerequisite: Successful completion of prior semester of PA course work or program permission. This course is designed to expose the student to the clinical aspects of disaster medicine by encouraging exploration of the roles of healthcare providers in disasters, the study of clinical situations that occur during disasters, analysis of public, occupational, and environmental health issues, and applying clinical research and epidemiology concepts.

**PA 940 GLOBAL HEALTH ISSUES (3)** Prerequisite: Successful completion of prior semester of PA course work or program permission. This course provides an introduction to important global health issues, including determinants of health, key areas of disease burden, and the role that physician assistants can play in solving these problems. The goal of the course is to expand the PA’s understanding of the impact of infectious and chronic diseases on the world’s population with particular attention paid to the health status of women, children and the poor. Students will examine case studies of successful global health interventions to understand features of successful programs.

**PA 950 HEALTHCARE LAW (3)** Prerequisite: Successful completion of prior semester of PA course work or program permission. Students explore relevant health-care law and policy issues that impact the Physician Assistant profession and health-care delivery systems.

**PA 960 DOCTORAL RESEARCH (3)** Prerequisite: Successful completion of prior semester of PA course work or program permission. This course will build on the Master’s research course and give students the opportunity to improve and implement their research design. Students will submit for publication.
PA 980  
**PA FELLOWSHIP I (8)**  
Prerequisite: Successful completion of prior semester of PA course work or program permission. This course will provide intensive clinical exposure in a chosen specialty to further the student’s medical education, fine tune their diagnostic skills, and become proficient in procedures that will make them competent, confident, and well sought after physician assistants.

PA 990  
**PA FELLOWSHIP II (8)**  
Prerequisite: Successful completion of prior semester of PA course work or program permission. This course will provide intensive clinical exposure in a chosen specialty to further the student’s medical education, fine tune their diagnostic skills, and become proficient in procedures that will make them competent, confident, and well sought after physician assistants.

**READING COURSES**

**RDNG 625 SURVEY OF EFFECTIVE READING METHODS (3)**  
Focuses on the foundations of reading and reading development. Topics include children’s basic language development as a precursor to reading and as a medium for instruction, methods for assessing and instructing the emergent reader, the beginning reader, and the instructional reader, as well as reading disability.

**RDNG 640 STRATEGIES FOR TEACHING PHONICS, SPELLING, AND VOCABULARY (3)**  
Pre-requisite or co-requisite: RDNG 625 or permission of the instructor. Examination of theoretical and practical issues surrounding access to print. Advances basic knowledge of reading process, models multi-sensory approach to teaching reading, and develops understanding of phonics, spelling, and vocabulary acquisition.

**RDNG 643 TEACHING WRITING (3)**  
This course is designed to be a collaborative effort to explore writing as a process, not just a product, and to discover how the teaching of writing involves the teacher as a writer, and the integration of writing across the curriculum, enhancing each discipline within our schools. The course will focus on ways to design and implement writing strategies across the curriculum and grade levels. Students will practice the art of writing in a writing workshop.

**RDNG 644 ADOLESCENT LITERATURE (3)**  
An advanced course that includes intensive study of selected traditional and contemporary books that appeal to the adolescent reader and/or are about the adolescent. To encourage interdisciplinary uses, a wide variety of texts will be employed. Different approaches to literature genres, modes, and characteristics contained within the literature will be explored.

**RDNG 669 SPECIAL TOPICS IN READING (3)**  
offered to allow for subjects that are topical and within the special expertise of the instructor; requires approval of the dean of the School of Education. Students may receive credit for up to two special topics courses.

**RDNG 672 READING AND STUDY SKILLS IN THE CONTENT AREA (3)**  
Methods, materials, and organizational patterns for reading and writing as a means to access text in content area texts and coursework. Reading strategies and study skills are improved to maximize learning for all students through effective use of course materials.

**RDNG 675 CONTEMPORARY ISSUES IN LANGUAGE ARTS INSTRUCTION (3)**  
Examination of issues and theoretical perspectives in the teaching of language arts in the elementary classroom. The course emphasizes instructional strategies, activities, materials, and techniques to stimulate the acquisition of oral, aural, and written language skills.
RDNG 680  THE ORGANIZATION AND SUPERVISION OF READING PROGRAMS  
(3) Prerequisite: RDNG 625, RDNG 640, RDNG 690. Exploration of the organization and supervision of effective reading programs in classrooms, schools, and school districts. Participants design a reading program.

RDNG 690  ASSESSMENT, DIAGNOSIS, AND REMEDIATION OF READING PROBLEMS  
(3) Prerequisite: RDNG 625 and RDNG 640 or permission of the instructor. Introduction to basic and advanced assessment procedures used to diagnose reading difficulties of elementary and secondary students and adults. This course acquaints students with a variety of techniques to support and instruct remedial readers. These techniques address decoding, comprehension, writing, and word study across the developmental stage. It includes introduction of intervention techniques for accelerating the reading ability of struggling readers.

RDNG 691  ASSESSMENT AND DIAGNOSIS PRACTICUM  
(3) Prerequisite: RDNG 690; Co-requisite: RDNG 692. Participants provide one-on-one or small group instruction for children in the clinical setting and administer initial and ongoing assessments, diagnosing reading issues in students who struggle with reading, so as to make sound instructional decisions during the intervention. Students communicate with parents/guardians (e.g., confirmation of case history in the beginning, parent conferences at the end). All instruction is supervised and includes individualized conferences.

RDNG 692  CORRECTIVE AND REMEDIAL PRACTICUM  
(3) Prerequisite: RDNG 690; Co-requisite: RDNG 691. Application of differentiated instruction in a clinical setting to remediate and correct reading problems in disabled readers. Emphasis is on learning and developing appropriate and practical techniques that will meet the needs of specific individuals with specific reading problems.

RDNG 695  ACTION RESEARCH IN LITERACY EDUCATION  
(3) Prerequisites: RDNG 625, RDNG 640, RDNG 672, RDNG 675 or RDNG 644, and EDHD 609. Students will conduct original research in literacy, based on efforts to improve the quality of literacy performance in the classroom and/or the school. Students will write a proposal, collect and analyze data, and write a final report suitable for publication and presentation.

SCIENCE COURSES

SCIE 670  INDEPENDENT STUDY IN SCIENCE  
(3) Provides for the pursuit of individual interest and projects not covered in existing courses and may be repeated if subjects of study vary; requires approval of the dean of the School of Sciences.

SCIE 680  SPECIAL TOPICS IN SCIENCE  
(3) offered to allow for subjects that are topical and within the special expertise of the instructor; requires approval of the dean of the School of Sciences.

SPECIAL EDUCATION COURSES

SPED 600  SURVEY OF SPECIAL EDUCATION  
(3) Provides an overview of the special education field. Particular attention is given to federal and state rules and regulations that govern implementation of special services, basic knowledge relating to disability characteristics and causes, and current trends in special education (e.g., the issue of inclusion and accommodation of special learners in general education settings). Note: This course (or its equivalent) is prerequisite to all other courses in special education.
SPED 601 DESIGNING EDUCATIONAL INTERVENTIONS FOR STUDENTS WITH DISABILITIES ACCESSING THE GENERAL CURRICULUM (3) Promotes knowledge and skills related to the design and implementation of effective, educational interventions for students with disabilities who access the general curriculum. Particular attention is given to creating environments that are responsive to the multi-dimensional needs of this population. Students acquire skills/strategies in the areas of IEP development, data-based instruction, and universal design for learning (alternative ways to teach and assess, and provide general curriculum adaptations and modifications).

SPED 605 CHARACTERISTICS OF INDIVIDUALS WITH INTELLECTUAL AND DEVELOPMENTAL DISABILITIES (3) Focuses on the nature and needs of children, adolescents, and adults with developmental and intellectual disabilities. Specific attention is given to definitional and identification issues, causes and characteristics, and programmatic needs of individuals across the life span. This course meets state endorsement requirements for special education – general curriculum and special education – adapted curriculum.

SPED 606 CHARACTERISTICS OF YOUTH WITH LEARNING DISABILITIES AND EMOTIONAL/BEHAVIORAL DISORDERS (3) Overview of the fields of learning disabilities and emotional/behavioral disorders. The course examines characteristics, theories of etiology, treatment programs, definitions, and legal issues.

SPED 616 PSYCHOEDUCATIONAL ASSESSMENT (3) Prepares students to plan, deliver, and report on both formal and informal assessment procedures. Students gain skills specific to norm-referenced, standardized assessment practices that assist in eligibility determinations. Students also gain skills specific to the development and use of curriculum-based, informal assessment procedures that lead to improved instructional and learning outcomes.

SPED 620 LANGUAGE DEVELOPMENT/INSTRUCTION AND ASSISTIVE TECHNOLOGY (3) This course examines communication problems relevant to individuals with disabilities. Particular attention is given to language development and acquisition, assessment procedures, and language arts instruction including reading and written expression. The course also includes a review of compensatory approaches to academics and basic communication with an emphasis on the use of assistive devices, both basic and electronic.

SPED 625 POSITIVE BEHAVIORAL INTERVENTIONS (3) Analysis and application of behavior modification techniques in home and school include basic principles of learning and applied behavior analysis. The course includes the development of functional behavioral assessments and positive behavioral intervention.

SPED 635 SOCIAL, FUNCTIONAL, AND TRANSITION PROGRAMMING (3) Provides for the programming of social and leisure skills, affective development, functional academics, and community transition. The course focuses on lifelong skills and adjustment in and beyond the school setting.

SPED 644 ACADEMIC INSTRUCTION FOR STUDENTS WITH DISABILITIES (3) Examines methodology and curriculum for children and youth with learning disabilities, emotional and behavioral disorders, and intellectual disabilities who are served primarily in general curriculum-based programs. Attention is given to a variety of general instructional approaches as well as specific teaching and student-centered strategies within key academic curricular domains, including reading, written language, mathematics, study skills, science, and social studies.

SPED 651 DESIGNING COMPREHENSIVE, FAMILY-CENTERED PROGRAMS FOR INFANTS AND PRESCHOOL CHILDREN WITH DISABILITIES (3) Develops knowledge and skills related to the design and management of comprehensive, family-centered early intervention (EI)
and early childhood special education (ECSE) programs. Specific attention is given to a) regulations that govern EI and ECSE programs; b) the design of family-centered Individualized Family Service Plans (IFSPs); and c) the design, management, and evaluation of environments that are child-centered, developmentally appropriate, and naturalistic.

SPED 653 DEVELOPMENTALLY APPROPRIATE CURRICULUM AND INTERVENTIONS FOR INFANTS AND PRESCHOOL CHILDREN WITH DISABILITIES (3) Develops knowledge and skills related to the design and management of developmentally appropriate early intervention (EI) and early childhood special education (ECSE) curriculum and intervention. Specific attention is given to: a) key features of EI and ECSE curriculum across all developmental domains; b) commonly used and research validated EI and ECSE curriculum models; and c) innovative and effective intervention strategies that can be used in a variety of EI and ECSE settings.

SPED 654 APPLIED BEHAVIOR ANALYSIS: PRINCIPLES, PROCEDURES, AND PHILOSOPHY (3) Prerequisite: Admission to ABA Certificate Program. Focuses on basic principles and procedures of applied behavior analysis; identification of factors that contribute to behavioral problems and improved performance; and procedures that can be used to minimize behavioral problems, improve performance, teach new behaviors, and increase probability of behaviors occurring under appropriate circumstances.

SPED 655 APPLIED BEHAVIOR ANALYSIS: EMPIRICAL BASES (3) Prerequisite: SPED 654. Focuses on basic content of applied behavior analysis. Teaches how to implement behavioral procedures and develop behavioral programs for clients with fundamental behavioral needs.

SPED 656 APPLIED BEHAVIOR ANALYSIS: ASSESSMENTS AND INTERVENTIONS (3) Prerequisite: Completion of SPED 654 or consent of instructor. Expands on basic content of applied behavior analysis and teaches how to implement behavioral procedures and develop behavioral programs for clients with fundamental behavioral needs.

SPED 657 APPLIED BEHAVIOR ANALYSIS: APPLICATIONS (3) Prerequisite: Completion of SPED 654, 655, and 656; or of 654 and 655, and concurrent registration in 656; or consent of instructor. Expands capability to deal with more complex behavioral situations, enabling ability to relate to more sophisticated professional issues and environments.

SPED 658 APPLIED BEHAVIOR ANALYSIS: VERBAL BEHAVIOR (3) Prerequisite: Completion of SPED 656 or consent of instructor. Expands capability to deal with more complex behavioral situations and enables students to relate to more sophisticated professional issues and environments.

SPED 659 APPLIED BEHAVIOR ANALYSIS: ETHICS AND PROFESSIONAL CONDUCT FOR BEHAVIOR ANALYSIS (3) Prerequisite: Completion of SPED 654 or consent of instructor. Provides a basis in Virginia Behavior Analyst Licensure law, the Behavior Analyst Certification Board’s Guidelines for Responsible Conduct and Disciplinary Standards, and professional conduct consistent with the practice of applied behavior analysis.

SPED 660 ASSESSMENT OF YOUNG CHILDREN WITH DEVELOPMENTAL DELAYS (3) Examines approaches to the assessment of young children (ages newborn-5) with disabilities. Attention is given to the use and interpretation of appropriate instruments and specific diagnostic tools in language, social, motor, and self-help domains. Additional focus is given to the multidisciplinary aspects of assessment.

SPED 662 MEDICAL AND THERAPEUTIC INTERVENTIONS FOR CHILDREN WITH DISABILITIES (3) Examines appropriate medical, health, and therapy interventions for
individuals with disabilities with attention to self-care skills, mealtimes, physical and occupational therapy, medical and health management, and sensory systems.

SPED 665 DAILY LIVING SKILLS FOR STUDENTS WITH SIGNIFICANT DISABILITIES (3) Prerequisites: SPED 600, SPED 601, SPED 605. This course provides knowledge about daily living skills needed by students with disabilities in an adaptive curriculum. It will address the medical, sensory, and physical needs of this population. The course will include curricular resources, assessment, materials, and techniques.

SPED 666 DESIGNING AND IMPLEMENTING CURRICULUM FOR STUDENTS WITH SIGNIFICANT DISABILITIES (3) Prerequisites: SPED 600, SPED 601, SPED 605. This course provides knowledge about the varied curricular needs of students with significant disabilities. Also included are designing and implementing curriculum through the use of technology, alternative assessment, IEP development, lesson planning, individualized materials, and strategies.

SPED 668 INDEPENDENT STUDY – SPECIAL EDUCATION (1, 2, 3) This course offers the opportunity for students to pursue in depth a topic of special interest within Special Education under the supervision of a faculty member. Can be taken more than once.

SPED 669 SPECIAL TOPICS IN SPECIAL EDUCATION (1, 2, 3) Prerequisites: SPED 600 or consent of instructor. Intensive study of a problem or topic in special education. Topic varies according to the professor and term offered.

SPED 670 INTRODUCTION TO AUTISM SPECTRUM DISORDER (3) Prerequisite: SPED 600 or consent of instructor. Overview of the nature of autism and related developmental disabilities, research on current trends in characteristics, assessment strategies, and approaches to intervention with an emphasis on school settings.

SPED 671 INSTRUCTIONAL AND BEHAVIORAL ASSESSMENT AND PROGRAMMING FOR STUDENTS WITH ASD (3) Prerequisite: SPED 670. Covers basic methods of assessment, data collection, and instruction with focus on the areas of communication, social, and behavioral skills and includes the use and interpretation of research-based diagnostic tools, functional behavioral assessment and analysis, and behavioral intervention planning. Training is provided in best practice methods such as discrete trial instruction, social stories, and the use of visual schedules and cueing.

SPED 672 MEDICAL AND SENSORY ASPECTS OF ASD: COLLABORATION AMONG PARENTS, EDUCATORS, AND RELATED SERVICE PROVIDERS (3) Prerequisite: SPED 670. Overview of medical research on etiology and interventions in clinics, home, and schools. Included are strategies for team building, planning, data-based decision making, and evaluation.

SPED 675 COLLABORATION IN SPECIAL AND GENERAL EDUCATION (3) Prerequisite: 18 hours of graduate coursework in special education or permission of the instructor. Investigates the issues and practices of educators who deal with families, schools, and community agencies. Attention is given to such issues as integrated services, coordination between general and special educators, teaming family-focused collaboration and community resources, and models of service delivery.

SPED 680 RESEARCH SEMINAR IN SPECIAL EDUCATION (3) Prerequisite: 18 credit hours of graduate coursework including SPED 625. Provides advanced study of seminal and current research in special education trends including service delivery models, identification,
assessment, discipline, education, and behavioral programming and transition. The focus is on
disability research across the age range from early childhood to adulthood. Common research method-
ologies used within the discipline of special education for both consumers and research practitioners
are examined.

SPED 690 PRACTICUM IN APPLIED BEHAVIOR ANALYSIS (3) Prerequisite:
Admission to ABA program course sequence and consent of instructor. Can be taken concurrently
with VA ABA Consortium coursework and can be taken more than once. Supervised practicum
experience that applies ABA coursework to instruction of children and their families in school and
community settings. This course is not required for completion of the VA ABA Consortium course
program sequence. Supervised practicum experiences are required to sit for the BCBA examination.

SPED 691-692, 696, 697, 698 AND 699 INTERNSHIPS IN SPECIAL EDUCATION (3) Supervised
field experience with persons who are disabled. Placement is arranged in a program providing
special services. Students should consult their advisors in advance of registration to determine the
hours of credit to be earned in the internship. All coursework in special education must be taken
prior to or concurrently with the internship. These courses require a mandatory Criminal and Social
Services background check conducted at the end of the prior semester at the student’s expense.

SPED 691 (AGES 0-2 YEARS) INTERNSHIP IN EARLY CHILDHOOD SPECIAL EDUCATION

SPED 692 (AGES 3-5 YEARS) INTERNSHIP IN EARLY CHILDHOOD SPECIAL EDUCATION

SPED 696 (ELEMENTARY) INTERNSHIP IN SPECIAL EDUCATION-GENERAL CURRICULUM

SPED 697 (SECONDARY) INTERNSHIP IN SPECIAL EDUCATION-GENERAL CURRICULUM

SPED 698-699 INTERNSHIP–ADAPTED CURRICULUM (3, 3)

(Note: SPED 698 provides an elementary experience for three credits and SPED 699 a secondary
experience for three credits).

SPED 694 FIELD EXPERIENCE WITH STUDENTS WITH AUTISM SPECTRUM
DISORDER (3) Prerequisite: SPED 600, 670, 671, 672. Field experience assessment and instruction
of individuals with ASD. Students demonstrate competence in functional behavioral assessment,
behavioral intervention planning, discrete trial instruction, data collection and analysis, and col-
laboration with parents and professionals.

SPED 695 ADVANCED APPLICATIONS IN SPECIAL EDUCATION (3) Prerequi-
site: a minimum of 27 hours of coursework in the program. Capstone course consisting of campus
and field-based experiences for students nearing the completion of their MEd program in special
education and those who are not seeking an initial teaching license via Lynchburg College. Course
assignments require students to apply a number of competencies at the advanced level. These com-
petencies are based upon knowledge and skills taught in coursework in the MEd program. This course
may be repeated for credit.
TEACHER LICENSURE COURSES (NON-DEGREE)
Courses with the TLIC prefix are offered to assist students in obtaining teacher licensure or to complement their professional training in a specific area. They are not applicable to the credit hour requirements for any specific graduate degree programs.

TLIC 565 METHODOLOGY OF TEACHING FOREIGN LANGUAGES (3) A survey of methods and techniques of teaching foreign languages. Course content includes the study of theories of language learning and second-language acquisition, linguistics, classroom techniques, preparation and presentation of teaching materials, testing, use of the language laboratory, and professional bibliographies.

TLIC 599 INTERNSHIP IN EDUCATION (6) Prerequisites: completion of School of Education undergraduate state approved program in a licensure area including 2.75 GPA in specific major. Passing scores on Praxis Core, VCLA, Praxis II. Passing score on Reading for Virginia Educators (RVE) is required for elementary, middle school, and Special Education licensure. Fulltime, supervised field experience in assigned grade level and/or subject area(s) appropriate to the student’s endorsement(s). Seminar sessions are required. This internship experience is an application of effective teaching skills and content knowledge. Admission by application only and available only to students who have completed the School of Education undergraduate state approved program in a licensure area within the last year. Note: A mandatory criminal and social services background check must be conducted in the prior semester at the student’s expense.