DNP 700. Clinical Applied Epidemiology. This course provides an overview of the basic epidemiological methods and study designs that may be used by advanced practice nurses to study the health of populations. This course will combine a focus on traditional and social epidemiology to examine how society and social organizations influence health and well-being of individuals and populations. In particular, this course will address the frequency, distribution, surveillance and tracking of disease as well as the social determinants of states of health in populations. The course will include new methods and applications of already known epidemiological methods for elucidating the complex and socioecological web within which the health-disease phenomenon occurs. (Lecture)(2-3 semester hours)

DNP 701. Theoretical Foundations for Advanced Nursing Practice. This course examines relevant theories and models from nursing and related disciplines for applicability to advanced nursing practice. Role theory, learning theory, psychological theory, management theory, leadership theory, consultation models and collaborative models are analyzed for historical significance, relative scientific position and contemporary application for advanced nursing practice and practice inquiry. Systematic examination, evaluation and refinement of relevant theories and models enable the student to develop a conceptual model for practice within a relevant setting. (Lecture)(3 semester hours)

DNP 702. Transforming Advanced Nursing Practice. This course is designed to be the introductory course for the DNP student and will introduce the DNP from a historical perspective, then address the three domains of advanced nursing practice, leadership and scholarship. This course will focus on influencing practice patterns for populations, communities and health care systems, articulating the leadership role of the DNP and embracing practice inquiry as fundamental. (Lecture)(3 semester hours)

DNP 703. Population Health. This course introduces an understanding of the multiple determinants of health of populations. Students will be presented an overview of the determinants of health and measurement of health status. One of the major goals of the course will be to enable students to apply the concepts underlying the trends in health care to the health status of populations in their clinical settings as well as in integrated delivery systems of the future. The goal of this course is to develop the student's understanding of the principles and practice of monitoring population health. (Lecture)(3 semester hours)

DNP 704. Leadership in Health Systems. This course focuses on nursing leadership, integrating theory and research as a basis for improvement of health systems and health outcomes. Emphasis is placed on strategic thinking, influence, negotiation and power strategies for effective leadership in health care delivery systems. (Lecture)(3 semester hours)

DNP 705. Practice Inquiry I. This course covers information systems and technology needed for establishing evidence-based practice models in clinical, educational, and administrative settings. The emphasis for this course is on the role of information technology and the use of data and the translation of research into practice. Students will develop skills needed for transferring data between heterogeneous systems. (Lecture)(1 semester hour)

DNP 706. Evaluation Approaches, Models & Data Collection Methods. In this course, the student will examine evaluation approaches, models and methods appropriate to translate research findings into clinical practice and to conduct practice and health system performance evaluations. The DNP is accountable for the provision of quality, cost-effective health care. Outcomes measurement, process improvement, program evaluation, impact analysis and provider performance are studied. (Lecture)(3 semester hours)

DNP 707. Health Care Finance. This course provides students with an overview of the principal financial mechanisms in the U.S. health care industry and offer specific insights into the critical issues the industry currently faces. A feature of the course is the development of practical financial analysis skills that will provide students with a foundation for immediate application within the health care industry and a better understanding of course materials as presented. Training in use of these tools will include use of several of the most important financial tools and methodologies employed across the health care industry, such as benefit/cost and cost-effectiveness analysis, ratio analysis and others. This online course is delivered utilizing synchronous and asynchronous distance learning modalities. (Lecture)(3 semester hours)

DNP 708. Practice Inquiry II. This course builds upon the data management skills developed in Practice Inquiry I. This course focuses on developing a beginning level of understanding the use of outcomes measurement frameworks and the use of outcome data in practice, educational and administrative settings. Students select and analyze outcome measures, apply skills in data management and evaluate data management processes for their individual capstone projects. (Lecture)(1 semester hour)

DNP 712. Capstone Inquiry. In this course, the student identifies an inquiry area. A two-member committee for the inquiry is appointed. The course focuses on inquiry identification, inquiry planning, implementation and evaluation of the inquiry in
collaboration with a committee. The student integrates and applies appropriate theoretical and evidence-based literature and inquiry methods to achieve specified outcomes. A total of 5 semester hours (375 clinical hours) of DNP 712 are required for completion of the DNP program. (Clinical Rotation)[1-5 semester hours]

**DNP 720. Biostatistics I.** This course is designed to introduce the application of statistical methods to health sciences. Contents include descriptive statistics, some basic probability concepts, distribution, central limit theorem, hypothesis testing, and power and sample size calculation. Techniques of t-test, ANOVA, linear regression and correlation analysis will be taught along with in-class exercises using SPSS and other predictive analytics software. (Lecture)[3 semester hours]

**DNP 721. Biostatistics II.** This course is designed to concentrate on more advanced methods of statistical analysis including regression diagnostics and canonical correlation, logistic regression, factor analysis, path analysis, and structural equation modeling. The analysis technique will be taught along with in-class exercises using SPSS. It is assumed that students have taken Biostatistics I and have basic skills of using SPSS. (Lecture)[3 semester hours]

**DNP 740. Project Management.** In this course, students learn the principles and fundamentals of project management necessary to achieve objectives in health care organizations. Special emphasis will be placed on the application of leadership skills, overcoming objections, achieving buy-in, conflict management, negotiation skills and working with diverse groups of individuals. Through case studies and various exercises, students will use tools and techniques to gain experience in single and multi-project management. This online course is delivered utilizing synchronous and asynchronous distance learning modalities. (75 clinical hours)[Lecture][3 semester hours]

**DNP 759. Residency in the DNP Role.** The purpose of the residency is to provide structured clinical (field) experiences functioning as a DNP. The student will have an opportunity to apply the theories, principles and techniques learned in the didactic portion of the DNP program in a selected health system setting under the guidance of a clinical mentor and a faculty advisor. The residency allows the student to integrate advanced nursing practice, leadership and scholarship domains of the DNP role for the improvement of programs and systems of health care. The residency experience provides the student with a foundation to practice at the highest level of nursing practice. (75 clinical hours per semester hour)[Practicum/Internship][1-7 semester hours]

**DNP 769. Role Development & Enactment for Advanced Role Practice in Nursing.** (Online) In this role course, enactment of advanced role practice in nursing is studied. Seminars will focus on the continued development of knowledge for role development and implementation, advanced communication, and interventions with groups and communities. (Lecture)[1 semester hour]

**ID 630. Health Care Quality Improvement.** This course equips health professions students (medicine, nursing, health administration) with the ability and confidence to contribute to continual improvement in health care. Through seminar and field experiences, students will learn the philosophy, knowledge and skills of continuous improvement, teamwork and interdisciplinary work, and apply these to improve patient-centered health care quality. This online course is delivered utilizing synchronous and asynchronous distance learning modalities. (Lecture)[3 semester hours]

**ID 700. Ethics in Research.** This course explores issues related to ethics in research conducted in a variety of settings. Principles of philosophy of science and select ethical theories are applied as a framework for critical ethical issues in research. (Lecture)[2 semester hours]

**ID 718. Health Policy & the Healthcare System.** The purpose of this course is to provide students the opportunity to analyze health policies and economic issues as they relate to health delivery systems. The complex arrangements and interactions among governmental, private not-for-profit, and for-profit systems are explored within a policy context that includes economic, legal, cultural, sociologic and political perspectives. The critical role of the healthcare professional in shaping and carrying out health policy is stressed. This online course is delivered utilizing synchronous and asynchronous distance learning modalities. (Lecture)[3 semester hours]

**ID 730. Health Care Quality Improvement.** This course equips health professions students (medicine, nursing, health administration) with the ability and confidence to contribute to continual improvement in health care. Through seminar and field experiences students will learn the philosophy, knowledge and skills of continuous improvement, teamwork, and interdisciplinary work, and apply these to improve patient-centered health care quality. (75 clinical hours)[Lecture][1-3 semester hour]

**PHN 701. Seminar (Journal Club).** Serves as a forum for nursing scholars to both enhance and affirm individual scholarly activities. Includes opportunities for individual students to present a variety of research articles and proposals. (Lecture)[1-9 semester hours]

**PHN 702. Pathophysiological Phenomena.** A focused study of specific nursing phenomena in pathophysiological nursing care. Students present and evaluate current research on selected topics. (Lecture)[2 semester hours]
**PHN 705. Writing Proposals.** Preparatory course for the PhD comprehensive examination that examines development of the problem statement through analyses of quantitative and qualitative research methodologies under the guidance of a faculty mentor. (Lecture)(4 semester hours)

**PHN 706. Philosophy of Science.** Focuses on the development of science in the Western world. The nature of what constitutes science and ways of knowing and thinking as they relate to the development of science will be addressed. Emphasis is placed on the process of analysis. (Lecture)(3 semester hours)

**PHN 707. Phenomena in Nursing Research.** This course is a focused review of specific nursing phenomena (e.g., caring, coping, clinical outcomes). Students present and evaluate current research on selected topics. (Lecture)(2 semester hours)

**PHN 708. Quantitative Research Designs.** This course examines quantitative designs most applicable to the discipline of nursing. The course emphasizes the practice issues related to the conceptual, empirical and analytical components of research plans as they are influenced by sample size, setting, number and time of measurements. (Lecture)(3 semester hours)

**PHN 709. Qualitative Research Designs.** Examines the qualitative research designs most applicable to the discipline of nursing. Issues and critical analysis of traditional and emerging designs are discussed. Emphasizes the practice of qualitative research. (Lecture)(3 semester hours)

**PHN 710. Research Practicum.** Allows the student to focus on individual area of study which supports the development of the dissertation proposal. (Practicum/Internship)(1-6 semester hours)

**PHN 711. Data Collection and Analysis.** Focuses on methods of data collection and analysis. Selected data collection methods will be examined. Selected analyses for various data sets will be studied and the graduate student will carry out an analysis of data sets. (Lecture)(3 semester hours)

**PHN 712. Writing for Funding.** Examines the essential components of a funding/grant proposal and identifies sources of funding. Graduate student will identify potential private or government funding sources appropriate for their research interests. (Lecture)(2 semester hours)

**PHN 713. Laboratory Methods.** Focuses on methods of data collection and analysis in the biological/physiological lab setting. (Laboratory)(3 semester hours)

**PHN 714. Theory Construction and Testing.** This course focuses on the analysis of existing theories as the basis for synthesis, construction, and testing of middle range theory for expanding the scientific base of the discipline of nursing. (Lecture)(3 semester hours)

**PHN 717. Directed Research.** Allows the student, under faculty direction, to focus on areas of study in specific areas of research. Supports the student’s efforts to clarify individual research focus. (Lecture)(1-4 semester hours)

**PHN 733. Research Design & Methods for Advanced Nursing Practice.** (Online and Hybrid) Focuses on understanding research designs and methods as they impact research utilization. Students will explore issues related to data collection, sampling, statistical versus clinical significance and outcomes evaluation. (Lecture)(3 semester hours)

**PHN 737. Advanced Physiology/Pathophysiology.** (Hybrid) This course provides an understanding of human physiological and pathophysiological processes. A human body systems approach is used applying concepts in biochemistry and cell biology as they influence health and illness. Topics include Cell Biology, Cancer Immunity and Inflammation, Genetics and the Integumentary, Musculoskeletal, Reproductive, Pulmonary, Renal, Cardiovascular, Endocrine, Gastrointestinal and Nervous Systems. (Theory)(Lecture)(2 semester hours)

**PHN 766. Clinical Pharmacotherapeutics.** (Online) This course provides a foundation and clinical application of pharmacotherapeutic interventions commonly prescribed for healthy and ill individuals across the life span. Emphasis is placed on pharmacokinetic and pharmacodynamic principles along with integration of the use of these products including variations for selected special populations specific to the clinical track of study and client characteristics. This online course is delivered utilizing synchronous and asynchronous distance learning modalities. (Lecture)(3 semester hours)

**PHN 777. Advanced Health Assessment.** This course focuses on the theoretical basis of performing a physical assessment on the individual throughout the life span. Students will acquire advanced knowledge and skills necessary to perform physical assessments.
The emphasis is on mastering interviewing, history taking, and advanced physical assessment skills. (Lecture)(3 semester hours)

PHN 780. Special Topics. Elective course to provide the student with additional study to support research topic development. (Lecture)(1-4 semester hours)

PHN 791. Dissertation Research Proposal. In consultation with their mentors and advisory committees, students will write and successfully defend a PhD dissertation proposal in which they describe the problem and research question(s), the background and significance, and the research design. (Dissertation)(1-3 semester hours)

PHN 798. Dissertation and Dissertation Research. In consultation with their mentors and advisory committees, students will write a PhD dissertation in which they describe the findings and importance of their research project. (Dissertation)(1-9 semester hours)

OUTSIDE EMPLOYMENT:
Students are advised to limit outside employment to 20 hours a week. Information about financial aid including, stipends and scholarship, is available. Students who receive stipends must have permission from the SGSHS Dean to engage in outside employment.