All courses are three credits and delivered online for 15 weeks. The ITP courses will provide a candidate with a solid grounding in best practices of pedagogy. The HAP courses will guide a candidate in understanding the appropriate level of instructional rigor for undergraduate nursing and allied health students while enhancing the graduate level expertise of a MSHAPI candidate. Throughout the human anatomy and physiology portion of the program, the faculty members (all experienced anatomy and physiology instructors) will mentor students in the development of a comprehensive portfolio of lectures, presentations, and other teaching tools, fully equipping them for their instructional roles.

**ITP 5110 - Foundations of the Classroom**  
Course Description: Students will gain knowledge, skills and experiences with a variety of information regarding instructional theory and principles. The content of this course will guide a student in preparing to teach in an undergraduate or allied health program.

**HAP 5110 - Introduction to Anatomy and Physiology; Chemistry; Cells; Histology**  
Course Description: This course focuses on introductory topics, chemistry, cell biology, and histology content. This course will guide a candidate in understanding the appropriate level of instructional rigor for undergraduate nursing and allied health students while enhancing the graduate level expertise of the MSHAPI candidate.

**ITP 5120 - Elements of Course Development**  
Course Description: This course is based on the Foundations of the Classroom course in that it will enhance the learners’ knowledge of pedagogy by building upon the content which was previously learned. The content of this course includes specifics of course design and development, and at the conclusion students will be able to create and plan the necessary educational tools to teach a course.

**HAP 5120 - Integumentary, Skeletal, and Muscular Systems**  
Course Description: This course focuses on integumentary, skeletal, and muscular system content.

**ITP 5130 - Designing and Developing for Lab and On-line Learning Environments**  
Course Description: This course is based on the educational theories and principles taught in the previous ITP courses, this course will expand students’ current knowledge of basic pedagogy by focusing on coursework in a lab and on-line setting, as well as preparing a student for the Capstone ITP course.
HAP 5130 - Nervous System
Course Description: This course focuses on nervous system content, including nerve tissue, spinal cord, brain, ANS, sensory-motor integration, and special senses.

ITP 5140 - Employment in the College/University Setting; Capstone Portfolio Project
Course Description: This course is designed to equip a MSHAPI candidate with a detailed appreciation of the practical issues relating to employment as an anatomy and physiology instructor in the undergraduate setting. The compilation of the instructional tools developed by a student throughout the MSHAPI program into a comprehensive teaching portfolio will serve as the capstone project of the program.

HAP 5140 - Endocrine and Cardiovascular Systems
Course Description: This course focuses on endocrine and cardiovascular systems content.

HAP 5150 - Lymphatic/Immune, Respiratory, Digestive Systems, Metabolism
Course Description: This course focuses on the lymphatic system and immunity, the respiratory and digestive systems, and metabolism.

HAP 5160 - Urinary System, Acid/Base Balance, Reproductive System, Development/Inheritance
Course Description: This course focuses on the urinary and reproductive systems, acid/base balance, development and inheritance.

HAP 5180 - Essentials of Medical Microbiology for Anatomy and Physiology Instructors
Course Description: This course focuses on the basic concepts of medical microbiology and adds an emphasis on current issues in medical microbiology. It is designed to augment the required core courses of the MSHAPI program, enhancing a candidate’s effective delivery of anatomy and physiology course content at the undergraduate level.

ITP 5322 - Instructional Technologies on the Web – Web 2.0 for Education
Course Description: This course will introduce students to various Instructional Technologies that can be used in Face-to-Face, Online, and Blended Human Anatomy and Physiology courses. The content of this course is based in online, free-access instructional tools known broadly as “Web 2.0”. In this hands-on course, students will be instructed on the use of the various tools.