### FRSC - 1001 Intro to Forensic Science Tech I, 1.00 Credit
**Level:** Lower  
Forensic Science 1001 is a one-semester introductory course designed for forensic science technology majors to complete their first year of enrollment in the program. It is the first in a two-semester required sequence (along with FRSC 2001) for forensic science technology majors. Students are introduced to the requirements and expectations for success within the forensic science technology program as well as various technical disciplines and skills commonly brought to bear during a criminal investigation. Students are required to demonstrate written and oral communication skills by completing a project in a topic relevant to the class material.

### FRSC - 1103 Forensic Science Concepts, 3.00 Credits
**Level:** Lower  
This course provides an overview of forensic science concepts and techniques as they relate to a criminal investigation. Topics covered range from a historical perspective of forensic science within the criminal justice system to specific methodologies often performed by a first responder or crime scene investigator. The proper identification, collection, and preservation of various types of physical evidence is presented. In addition, an introduction to the field and laboratory tests that may be performed on physical evidence is discussed. This course is intended for non-forensic science technology majors. Students cannot receive credit for FRSC 1103 if they are in the Forensic Science or Biological Sciences curricula.

### FRSC - 2001 Intro to Forensic Science Tech II, 1.00 Credit
**Prerequisite(s):** FRSC 1001 with C or better  
**Level:** Lower  
Forensic Science 2001 is the continuation of a two-semester sequence for forensic science technology majors. It is an introductory expository course designed for forensic science technology majors to complete during their second semester of enrollment in the program. Students are introduced to further technical disciplines and skills commonly brought to bear during a criminal investigation as well as current topics relevant to the field of forensic science. Students are required to demonstrate written and oral communication skills by completing a project in a topic relevant to the class material.

### FRSC - 3001 Topics in Forensic Science I, 1.00 Credit
**Prerequisite(s):** FRSC 2001 with C or better  
**Level:** Lower  
The focus of this course is to explore various topics of concern in the field of forensic science and hold in-class debate style presentations to discuss these topics. Each student participates in one debate style presentation during the semester. Each student is responsible for the introduction of the topic, selecting a point of view to debate regarding the topic, and encouraging the class to offer comments and ask questions. Topics for discussion may be directly related to material discussed during other curriculum coursework or may originate from current media sources, as long as the students have established familiarity with the topics.

### FRSC - 3113 Forensic Pathology, 3.00 Credits
**Prerequisite(s):** BIOL 1104 with C or better or BIOL 2303 with C or better or BIOL 1404 with C or better  
**Level:** Lower  
This course provides an overview of forensic pathology and the medicolegal death investigation system in the United States. Students will be introduced to the role and jurisdiction of the Medical Examiner as they relate to the determinations of cause, manner, and mechanism of death. Specific patterns of injury, types of deaths referred to the Medical Examiner, postmortem decompositional changes, and special topics of interest in death investigation will be discussed.

### FRSC - 4001 Topics in Forensic Science II, 1.00 Credit
**Prerequisite(s):** FRSC 3001 with C or better  
**Level:** Lower  
The focus of this course is to expose students to peer-reviewed reference journal articles relevant to the field of forensic science and to expand on topics discussed during other curriculum coursework. The format of the course is reading and discussion, with each student accepting responsibility for serving as a discussion leader on a chosen journal article once during the semester. The discussion leaders’ roles are to introduce the article topic, to provide background information about the topic, and to encourage the class to offer comments and ask questions.

### FRSC - 6214 Microscopy and Criminalistics, 4.00 Credits
**Prerequisite(s):** CHEM 4524 with C or better  
**Level:** Upper  
**Applied Learning-Practicum, Course Fee $53.00**  
This course is an exploration of the basic theory and practice of traditional criminalistics and microscopic techniques commonly performed in forensic science. Topics covered include: crime scene investigation; evidence collection and handling; microscopic theory and techniques; analysis of trace evidence to include hair, fiber, paint, soil, and glass evidence; analysis of fingerprint evidence; analysis of firearms and ammunition; analysis of gunshot residue evidence; and analysis of impression and trademark evidence.

### FRSC - 7214 Forensic Chemistry, 4.00 Credits
**Prerequisite(s):** FRSC 6214 with C or better and CHEM 6614 with C or better  
**Level:** Upper  
**Applied Learning-Practicum, Course Fee $100.00**  
This course is an exploration of the basic theory and practice of commonly performed examinations on chemical evidence in forensic science. Topics covered include: principles of various chemical and instrumental separation techniques; sampling plans and uncertainty in measurements; an introduction to quality control and quality assurance concepts; principles and techniques of controlled substance examinations; principles and techniques of forensic toxicology; principles and techniques of fire debris and explosive evidence examinations; and principles and techniques of material analysis to include inks, dyes, colors, colorants and polymers.

### FRSC - 8111 Forensic Science Tech Capstone, 1.00 Credit
**Prerequisite(s):** FRSC 7214 with C or better  
**Corequisite(s):** FRSC 7214 with C or better  
**Level:** Upper  
**Applied Learning-Creative Work**  
This course is intended for students to complete during the eighth and final semester of their enrollment in the forensic science technology program. It is to be taken concurrently with FRSC 8113. The course is designed to prepare the student to enter the workforce and/or continue their education at the graduate level. Students complete a capstone project requiring the analysis of physical evidence in a simulated casework setting. Students also apply the fundamentals of proper forensic laboratory report writing by producing a professional quality laboratory report suitable for admission into a court of law that communicates their findings. In addition, students are required to prepare and deliver expert witness testimony in a simulated mock courtroom setting.

### FRSC - 8113 Forensic Science Tech Prof Prep, 3.00 Credits
**Prerequisite(s):** FRSC 7214 with C or better  
**Corequisite(s):** FRSC 7214 with C or better  
**Level:** Upper  
**Applied Learning-Practicum**  
This course is intended for students to complete during the eighth and final semester of their enrollment in the forensic science technology program. It is to be taken concurrently with FRSC 8111. The course is designed to prepare the student to enter the workforce and/or continue their education at the graduate level. Students learn the details of topics such as resume and cover letter preparation as well as job interview success. The importance of ethical behavior in the field of forensic science is discussed through both theoretical and applicative presentations. Quality control, quality assurance, and standard operating procedures are presented as well as a debate on current issues and legal decisions challenging the validity of scientific testing procedures commonly performed in forensic laboratories. The course culminates with a curriculum cumulative final examination.

### FRSC - 8213 Forensic Biology, 3.00 Credits
**Prerequisite(s):** FRSC 7214 with C or better  
**Level:** Upper  
**Applied Learning-Creative Work**  
This course is an exploration of the basic theory and practice of commonly performed examinations on biological evidence in forensic science. Topics covered include: principles and techniques of serology and DNA analysis; principles and techniques include identification of blood and other body fluids, species determinations, and enzymatic analysis; blood spatter evidence interpretation and crime scene reconstruction; principles and techniques of forensic DNA examinations to include polymerase chain reaction; short tandem repeat profiling, and an introduction to Y-STR and mitochondrial DNA; and introductory principles and techniques of forensic pathology, anthropology, and entomology.

### FRSC - 8803 Forensic Science Sr Resch Prjt, 3.00 Credits
**Prerequisite(s):** BIOL 8853 with C or better  
**Level:** Upper  
**Applied Learning-Creative Work, Course Fee $47.00**  
This course is intended for students to complete during the eighth and final semester of their enrollment in the forensic science technology program. Students are required to complete an approved laboratory-based research project in an area of special interest in forensic science technology or a related physical science. The student will submit a plan for research acceptable to the course instructor and the director of the forensic science technology program. The student and course instructor will confer on a regular basis regarding the progress of study and research. The student is required to prepare a formal scientific paper and/or give a formal oral presentation in an appropriate setting upon completion of the research project.
FRSC - 8813 Forensic Sci Tech Internship, 3.00 Credits
Prerequisite(s): FRSC 6614 with C or better and FRSC 6214 with C or better
Level: Upper
Applied Learning Internship
This course is intended for students in their final year of the four-year Forensic Science Technology curriculum. Students are required to complete a supervised internship at an approved off-campus site. Students will work under the supervision of a qualified Forensic Science Administrator, Forensic Scientist, or other qualified personnel to whom they are assigned. Students will also receive college faculty consultation. The internship is designed to enable students to obtain actual work experience in theoretical and application-based procedures previously studied. This internship consists of 120 hours, which can be completed on a full-time basis (40 hours/week for three weeks) or on a part-time basis over an extended period of time (e.g. 8 hours/week for 15 weeks). All students will be required to give a formal presentation to the campus community following completion of the internship.

FRSC - 8900 Directed Study, 1.00 TO 6.00 Credits
Prerequisite(s): CHEM 6614 with C or better
Level: Upper
This course is designed to allow students to pursue advanced work in an area of special interest or obtain extended internship opportunities in Forensic Science Technology. A student may contract for one to six credit hours of independent study through an arrangement with an instructor who agrees to direct such a study. The student will submit a plan acceptable to the instructor, to the Forensic Science Technology Program director, and to the department chair. The instructor and student will confer regularly regarding the progress of the study.