FRSC - 1001 Intro to Forensic Science Tech I, 1.00 Credit
Level: Lower
Forensic Science 1001 is an introductory expository course designed for forensic science technology majors to complete during their first semester 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 - 2001 Intro to Frnsic Science Tech II, 1.00 Credit
Prerequisite(s): FRSC 1001 with C or better
Level: Lower
Forensic Science 2001 is the continuation of a required 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
Topics in Forensic Science I is a one-credit course designed for Forensic Science Technology majors to be completed during their third semester of study in the academic program. This is the first in a two-semester required sequence of courses (along with FRSC 4001) for Forensic Science Technology majors. The focus of this course is to expand on topics covered during other curriculum coursework and to discuss the relevance of this coursework to forensic science. The format of the course is reading and discussion, with each student accepting responsibility for serving as a discussion leader at least once during the year. The discussion leaders' roles are to introduce a topic, provide background information about the topic, and encourage 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.

FRSC - 4001 Topics in Forensic Science II, 1.00 Credit
Prerequisite(s): FRSC 3001 with C or better
Level: Lower
Topics in Forensic Science II is a one-credit course designed for Forensic Science Technology majors to be completed during their fourth semester of study in the academic program. This is the second in a two-semester required sequence of courses (along with FRSC 3001) for Forensic Science Technology majors. The focus of this course is to expand on topics discussed during other curriculum coursework including organic and inorganic chemistry, microbiology, genetics, mathematics, and physics. The format of the course is reading and discussion, with each student accepting responsibility for serving as a discussion leader at least once during the year. The discussion leaders' roles are to introduce a topic, provide background information about the topic, and encourage 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.

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 used 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 toolmark evidence.

FRSC - 7104 Criminalistics I, 4.00 Credits
Prerequisite(s): CHEM 4524 with C or better and CHEM 6614 with C or better
Level: Upper
Course Fee $13.00
This course is an exploration of the basic theory and practice of trace and transfer physical evidence analysis. Specific topics include: crime scene investigation; evidence collection and handling; microscopic techniques; recovery and analysis of fingerprint evidence; recovery and analysis of hair, fiber, paint, soil, and glass evidence; firearms examinations; recovery and analysis of gunshot residue; recovery and analysis of impression and toolmark evidence; and recovery and analysis of questioned document 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 - 8104 Criminalistics II, 4.00 Credits
Prerequisite(s): FRSC 7104 with C or better
Level: Upper
Course Fee $13.00
This course is a continuation of FRSC 7104 (Criminalistics I). The students' repertoire of forensic techniques is extended into the general areas of chemical and biological evidence as well as the introduction of special topics in forensic science. Specific topical focus includes recovery and analysis of arson and explosive evidence; recovery and analysis of toxicological evidence; chemistry and analysis of controlled substances; legal issues connected to controlled substance analysis; recovery and analysis of blood and body fluid evidence; basic blood spatter evidence interpretation; principles and techniques of serology and forensic DNA analysis; and an introduction to forensic anthropology, entomology, odontology and computer and digital evidence. The course culminates in a detailed, practical case study.

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
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 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 serological examinations to 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 - 8213 Forensic Biology, 3.00 Credits
Prerequisite(s): FRSC 7214 with C or better
Level: Upper
Applied Learning-Practicum
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 serological examinations to 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 Sci Tech Sr Resch Pjt, 3.00 Credits
Prerequisite(s): BIOL 8823 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 Scien Tech Internship, 3.00 Credits
Prerequisite(s): FRSC 6614 with C or better and FRSC 6214 with C or better
Level: Upper
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.