

# Program Approval Form

For approval of new programs and deletions or modifications to an existing program.

## Action Requested:

- ☐ Create New (SCHEV approval required except for minors)
- ☐ Inactivate Existing
- ☒ Modify Existing (check **ALL** that apply)
- ☐ Title (SCHEV approval required except for minors)
- ☐ **Concentration** (Choose one): ☐ Add ☐ Delete ☐ Modify
- ☒ Degree Requirements
- ☐ Admission Standards/ Application Requirements
- ☒ Other Changes: Notes

## Type (Check one):

- ☐ B.A. ☐ B.S. ☐ Minor
- ☒ Master's
- ☐ Ph.D.
- ☐ Undergraduate Certificate\*
- ☐ Graduate Certificate\*
- ☐ Bachelor's/Accelerated Master's ☐ Other:

College/School:

College of Science

Department:

Forensic Science Program

Submitted by:

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Effective Term:

Fall

2018

**Please note:** For students to be admitted to a new degree, minor, certificate or concentration, the program must be fully approved, entered into Banner, and published in the University Catalog.

**Justification:** (attach separate document if necessary)

For preparation of the Forensic Science Education Programs Accreditation Commission accreditation and to be better competitors with peer institutions.

**Program Title:** (Required)

Title must identify subject matter. Do not include name of college/school/dept.

**Concentration(s):**

**Admissions Standards / Application**

**Requirements:** (Required only if different from those listed in the University Catalog)

**Degree Requirements:**

Consult University Catalog for models, attach separate document if necessary using track changes for modifications

**Courses offered via distance:**

(if applicable)

**TOTAL CREDITS REQUIRED:**

Existing	New/Modified
Please see attached	Please see attached
Please see attached	Please see attached

\*For Certificates Only: Indicate whether students are able to pursue on a

☐ Full-time basis

☐ Part-time basis

## Approval Signatures

College/School

Date

Provost's Office

Date

Required for Minors and Interdisciplinary Programs

If this program may impact another unit or is in collaboration with another unit at Mason, the originating department must circulate this proposal for review by those units and obtain the necessary signatures prior to submission. Failure to do so will delay action on this proposal.

Unit Name	Unit Approval Name	Unit Approver's Signature	Date

## For Undergraduate Programs only

Undergraduate Council Member

Provost Office

Undergraduate Council Approval Date

## For Graduate Programs Only

Graduate Council Member

Provost Office

Graduate Council Approval Date

For Registrar Office's Use Only: Received \_\_\_\_\_ Banner \_\_\_\_\_ Catalog \_\_\_\_\_

revised 9/2/2016

## **Program Proposal Submitted to the College of Science Curriculum Committee (COSCC)**

The form above is processed by the Office of the University Registrar. This second page is for the COSCC's reference. Please complete the applicable portions of this page to clearly communicate what the form above is requesting.

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### **FOR ALL PROGRAMS** (required)

Program Title: Forensic Science Program

Date of Departmental Approval: September 20, 2017

### **FOR MODIFIED PROGRAMS** (required if modifying a program)

- Summary of the Modification: The Master's of Science in Forensic Science degree needed to make the following modifications: a note was added to the FRSC 540 Forensic Chemistry course to inform the students of recommended pre-requisites; with the creation of the new course FRSC 514 Survey of Forensic Chemistry, Biology, and DNA Analysis this was added as an elective to the Crime Scene Investigation concentration, and as a required course to the Forensic Biology Analysis, Forensic Chemistry Analysis, and Forensic/Biometric Identity Analysis concentrations; with this course addition, we are removing FRSC 540 Forensic Chemistry from the Forensic/Biometric Identity Analysis concentration, and removing FRSC 560 Forensic DNA Sciences from the Forensic Chemistry Analysis & Forensic/Biometric Identity Analysis concentrations. We have also modified some course titles through CAF's, which are also reflected below.
- Text before Modification (title, degree requirements, etc.): See Attached
- Text after Modification (title, degree requirements, etc.): See Attached
- Reason for the Modification: A few of our course are offered at the Northern Virginia Department of Forensic Science (DFS) Laboratory. Our adjunct faculty who teach these courses at the DFS facility have required pre-requisite knowledge that the students must know coming into their advanced level courses. For this reason, we created a new FRSC 514 Survey of Forensic Chemistry, Biology, and DNA Analysis course that will serve as a required pre-requisite for their courses. This will also allow for the FRSC 540 Forensic Chemistry course to be removed from the Forensic Biology Analysis concentration, and for the FRSC 560 Forensic DNA Sciences to be removed from the Forensic Chemistry Analysis & Forensic/Biometric Analysis concentrations.

It has recently come to our attention that some students do not have the pre-requisite knowledge needed to successfully complete FRSC 540 Forensic Chemistry. Therefore, we have added a note to inform students what topics they should be knowledgeable in prior to taking the course.



## Forensic Science Program

### Graduate Modifications for Fall 2018

#### Admissions Requirement Changes (changes are indicated in red and green)

Current	Proposed
<p><b>Banner Code: SC-MS-FRSC</b>            College: College of Science            Department: Forensic Science Program</p> <p>The interdisciplinary master's program is designed to train students in the technical and legal aspects of the field, and it is especially relevant for the many area professionals holding positions in government and private laboratories specializing in the analytical investigation of criminal and terrorist activities. Graduates will be qualified to work in high-technology forensics laboratories that analyze and interpret a wide variety of evidence and data in support of investigations and prosecutions. The demand for graduates with these skills is especially strong in the Northern Virginia region, where several new FBI and police forensics labs are being built or expanded.</p> <p>Available concentrations include:            Crime Scene Investigation            Forensic Biology Analysis            Forensic Chemistry Analysis            Forensic/Biometric Identity Analysis</p> <p>Students enrolled in this professional MS program are charged at a differential (premium) tuition rate, and therefore they may not enroll concurrently in any other graduate degree program or certificate program offered by the College of Science, with the exception of the Forensics Graduate Certificate.</p> <p><b>Admission Requirements</b>            Applicants to all graduate programs at George Mason University must meet the admission standards and application requirements for graduate study as specified in the Graduate Admission Policies section of this catalog. Applicants should submit a completed Mason Graduate Application, three letters of recommendation, two copies of official transcripts from each institution of higher learning attended, a current resume, a Virginia Domicile Classification form, and an official report of TOEFL scores (foreign</p>	<p><b>Banner Code: SC-MS-FRSC</b>            College: College of Science            Department: Forensic Science Program</p> <p>The interdisciplinary master's program is designed to train students in the technical and legal aspects of the field, and it is especially relevant for the many area professionals holding positions in government and private laboratories specializing in the analytical investigation of criminal and terrorist activities. Graduates will be qualified to work in high-technology forensics laboratories that analyze and interpret a wide variety of evidence and data in support of investigations and prosecutions. The demand for graduates with these skills is especially strong in the Northern Virginia region, where several new FBI and police forensics labs are being built or expanded.</p> <p>Available concentrations include:            Crime Scene Investigation            Forensic Biology Analysis            Forensic Chemistry Analysis            Forensic/Biometric Identity Analysis</p> <p>Students enrolled in this professional MS program are charged at a differential (premium) tuition rate, and therefore they may not enroll concurrently in any other graduate degree program or certificate program offered by the College of Science, with the exception of the Forensics Graduate Certificate.</p> <p><b>Admission Requirements</b>            Applicants to all graduate programs at George Mason University must meet the admission standards and application requirements for graduate study as specified in the Graduate Admission Policies section of this catalog. Applicants should submit a completed Mason Graduate Application, three letters of recommendation, two copies of official transcripts from each institution of higher learning attended, a current resume, a Virginia Domicile Classification form, and an official report of TOEFL scores (foreign nationals only).</p>

nationals only). Additionally:

**Forensic Biology Analysis and Forensic Chemistry**

**Analysis Concentrations:** A bachelor's degree in a forensic or natural science

**Forensic/Biometric Identity Analysis Concentration:** A bachelor of science or bachelor of arts degree in a forensic or natural science, computer science, computer electronic or electrical engineering, information systems or information technology (or its equivalent coursework in a relevant field).

**Crime Scene Investigation Concentration:** A bachelor of science or bachelor of arts degree in a related field.

**Criminal Background Check**

The successful passing of a Virginia Department of Forensic Sciences background check is required prior to gaining access to FRSC 541 Forensic Chemistry Laboratory and FRSC 561 Forensic DNA Laboratory.

**FRSC 560 Forensic DNA Sciences Course Note**

Students shall have completed undergraduate coursework in molecular and/or cell biology, as well as, genetics prior to taking this course or permission of instructor.

**Degree Requirements**

Students must declare their intended concentration upon application. In the event that a student wishes to change their concentration, students may request to change their concentration by submitting a letter to the Forensic Science Program Director detailing the request and justification. These requests will be considered on a case-by-case basis and only when the appropriate admissions requirements are met. However, if a student chooses to change concentrations, course substitutions/waivers will not be accepted.

Additionally:

**Forensic Biology Analysis and Forensic Chemistry**

**Analysis Concentrations:** A bachelor's degree in a forensic or natural science

**Forensic/Biometric Identity Analysis Concentration:** A bachelor of science or bachelor of arts degree in a forensic or natural science, computer science, computer electronic or electrical engineering, information systems or information technology (or its equivalent coursework in a relevant field).

**Crime Scene Investigation Concentration:** A bachelor of science or bachelor of arts degree in a related field.

**Criminal Background Check**

The successful passing of a Virginia Department of Forensic Sciences background check is required prior to gaining access to FRSC 541 Forensic Chemistry Laboratory and FRSC 561 Forensic DNA Laboratory.

**FRSC 560 Forensic DNA Sciences Course Note**

Students shall have completed undergraduate coursework in molecular and/or cell biology, as well as, genetics prior to taking this course or permission of instructor.

**FRSC 540 Forensic Chemistry Course Note**

Students shall have completed undergraduate coursework in general chemistry including polarity and acid/base chemistry. Students shall also have completed Organic Chemistry and be able to identify functional groups and other chemistry structures that make up a molecule. Exposure to instrumental techniques such as gas chromatography, mass spectrometry and infrared spectroscopy is recommended or permission of instructor.

**Degree Requirements**

Students must declare their intended concentration upon application. In the event that a student wishes to change their concentration, students may request to change their concentration by submitting a letter to the Forensic Science Program Director detailing the request and justification. These requests will be considered on a case-by-case basis and only when the appropriate admissions requirements are met. However, if a student chooses to change concentrations, course substitutions/waivers will not be accepted.



<p><b>▲ Concentration in Crime Scene Investigation (CSIN)</b></p> <hr/> <p>This concentration educates students for a career as a crime scene investigator. Core Courses (20 credits)</p> <hr/> <ul style="list-style-type: none"> <li>FRSC 500 - Introduction to Forensic Science Credits: 3</li> <li>FRSC 510 - Basic Crime Analysis Credits: 3</li> <li>FRSC 511 - Advanced Crime Scene Analysis Credits: 3</li> <li>FRSC 530 - Law and Forensic Science Credits: 3</li> <li>FRSC 570 - Introduction to Biochemical Forensics Credits: 3</li> <li>FRSC 600 - Forensics Seminar Credits: 1</li> <li>FRSC 610 - Forensics Research Project Credits: 1-4 (4 credits required)</li> </ul> <p>Elective Courses (16 credits)</p> <hr/> <p><b>Choose 16 credits from the following courses:</b></p> <ul style="list-style-type: none"> <li>FRSC 512 - Physical Evidence Analysis Credits: 3</li> <li>FRSC 513 - Forensic Photography Credits: 3</li> <li>FRSC 515 - Selected Topics in Forensic Science Credits: 3</li> <li>FRSC 517 - Questioned Document Examination Credits: 3</li> <li>FRSC 520 - Toxicology Credits: 3</li> <li>FRSC 540 - Forensic Chemistry Credits: 3 and FRSC 541 - Forensic Chemistry Laboratory Credits: 1</li> <li>FRSC 550 - Issues in Forensic Anthropology Credits: 3</li> <li>FRSC 560 - Forensic DNA Sciences Credits: 3 and FRSC 561 - Forensic DNA Laboratory Credits: 1</li> <li>FRSC 580 - Image Analysis in Forensic Science Credits: 3</li> <li>FRSC 590 - Medicolegal Death Investigation and Pathology Credits: 3</li> <li>FRSC 600 - Forensics Seminar Credits: 1</li> <li>FRSC 620 - Face and Biometric Pattern Analysis Credits: 3</li> <li>FRSC 630 - Fingerprint Identification Credits: 3</li> <li>FRSC 640 - Legal, Privacy and Ethical Issues in Identity Analysis Credits: 3</li> <li>FRSC 650 - Identity Analysis Applications Credits: 1</li> <li>FRSC 690 - Forensics Capstone Course Credits: 3</li> <li>FRSC 790 - Internship in Forensic Science</li> </ul>	<p><b>▲ Concentration in Crime Scene Investigation (CSIN)</b></p> <hr/> <p>This concentration educates students for a career as a crime scene investigator. Core Courses (20 credits)</p> <hr/> <ul style="list-style-type: none"> <li>FRSC 500 - Introduction to Forensic Science Credits: 3</li> <li>FRSC 510 - Basic Crime Analysis Credits: 3</li> <li>FRSC 511 - Advanced Crime Scene Analysis Credits: 3</li> <li>FRSC 530 - Law and Forensic Science Credits: 3</li> <li>FRSC 570 - <del>Introduction to Biochemical Forensics</del> Trace and Physical Evidence Concepts Credits: 3</li> <li>FRSC 600 - Forensics Seminar Credits: 1</li> <li>FRSC 610 - Forensics Research Project Credits: 1-4 (4 credits required)</li> </ul> <p>Elective Courses (16 credits)</p> <hr/> <p><b>Choose 16 credits from the following courses:</b></p> <ul style="list-style-type: none"> <li>FRSC 512 - Physical Evidence <del>Analysis</del> Laboratory Credits: 3</li> <li>FRSC 513 - Forensic Photography Credits: 3 <ul style="list-style-type: none"> <li>FRSC 514 – Survey of Forensic Chemistry, Biology, and DNA Analysis Credits: 3</li> </ul> </li> <li>FRSC 515 - Selected Topics in Forensic Science Credits: 3</li> <li>FRSC 517 - Questioned Document Examination Credits: 3</li> <li>FRSC 520 - Toxicology Credits: 3</li> <li><del>FRSC 540 - Forensic Chemistry Credits: 3 and FRSC 541 - Forensic Chemistry Laboratory Credits: 1</del></li> <li>FRSC 550 - Issues in Forensic Anthropology Credits: 3</li> <li><del>FRSC 560 - Forensic DNA Sciences Credits: 3 and FRSC 561 - Forensic DNA Laboratory Credits: 1</del></li> <li>FRSC 580 - <del>Image Analysis in Forensic Science</del> Facial Reconstruction Credits: 3</li> <li>FRSC 590 - Medicolegal Death Investigation and Pathology Credits: 3</li> <li>FRSC 600 - Forensics Seminar Credits: 1</li> <li>FRSC 620 - Face and Biometric Pattern Analysis Credits: 3</li> <li>FRSC 630 - Fingerprint Identification Credits: 3</li> <li>FRSC 640 - Legal, Privacy and Ethical Issues in Identity Analysis Credits: 3</li> <li>FRSC 650 - Identity Analysis Applications Credits:</li> </ul>

Credits: 1-6

### ▲ Concentration in Forensic Biology Analysis (FRSB)

This concentration educates students for a career as a forensic biology laboratory analyst.

Core Courses (27 credits)

- FRSC 500 - Introduction to Forensic Science Credits: 3
- FRSC 510 - Basic Crime Analysis Credits: 3
- FRSC 512 - Physical Evidence Analysis Credits: 3  
OR FRSC 630 Fingerprint Identification
- FRSC 530 - Law and Forensic Science Credits: 3
- FRSC 540 - Forensic Chemistry Credits: 3
- FRSC 560 - Forensic DNA Sciences Credits: 3 and  
FRSC 561 - Forensic DNA Laboratory Credits: 1
- FRSC 570 - Introduction to Biochemical Forensics Credits: 3
- FRSC 600 - Forensics Seminar Credits: 1
- FRSC 610 - Forensics Research Project Credits: 1-4 (4 credits required)

Elective Courses (9 credits)

Choose 9 credits from the following courses:

- FRSC 511 - Advanced Crime Scene Analysis Credits: 3
- FRSC 512 - Physical Evidence Analysis Credits: 3
- FRSC 515 - Selected Topics in Forensic Science Credits: 3
- FRSC 517 - Questioned Document Examination Credits: 3
- FRSC 550 - Issues in Forensic Anthropology Credits: 3
- FRSC 580 - Image Analysis in Forensic Science Credits: 3
- FRSC 590 - Medicolegal Death Investigation and Pathology Credits: 3
- FRSC 600 - Forensics Seminar Credits: 1
- FRSC 620 - Face and Biometric Pattern Analysis Credits: 3
- FRSC 630 - Fingerprint Identification Credits: 3
- FRSC 640 - Legal, Privacy and Ethical Issues in Identity Analysis Credits: 3
- FRSC 650 - Identity Analysis Applications Credits: 1
- FRSC 690 - Forensics Capstone Course Credits: 3

1

- FRSC 690 - ~~Forensics~~ Capstone – Moot Court & Expert Testimony ~~Course~~ Credits: 3
- FRSC 790 - Internship in Forensic Science Credits: 1-6

### ▲ Concentration in Forensic Biology Analysis (FRSB)

This concentration educates students for a career as a forensic biology laboratory analyst.

Core Courses (27 credits)

- FRSC 500 - Introduction to Forensic Science Credits: 3
- FRSC 510 - Basic Crime Analysis Credits: 3
- FRSC 512 - Physical Evidence ~~Analysis~~ Laboratory Credits: 3  
OR FRSC 630 Fingerprint Identification
- FRSC 514 – Survey of Forensic Chemistry, Biology, and DNA Analysis Credits: 3
- FRSC 530 - Law and Forensic Science Credits: 3
- ~~FRSC 540 – Forensic Chemistry Credits: 3~~
- FRSC 560 - Forensic DNA Sciences Credits: 3 and  
FRSC 561 - Forensic DNA Laboratory Credits: 1
- FRSC 570 - ~~Introduction to Biochemical Forensics~~ Trace and Physical Evidence Concepts Credits: 3
- FRSC 600 - Forensics Seminar Credits: 1
- FRSC 610 - Forensics Research Project Credits: 1-4 (4 credits required)

Elective Courses (9 credits)

Choose 9 credits from the following courses:

- FRSC 511 - Advanced Crime Scene Analysis Credits: 3
- FRSC 512 - Physical Evidence ~~Analysis~~ Laboratory Credits: 3
- FRSC 515 - Selected Topics in Forensic Science Credits: 3
- FRSC 517 - Questioned Document Examination Credits: 3
- FRSC 550 - Issues in Forensic Anthropology Credits: 3
- FRSC 580 - ~~Image Analysis in Forensic Science~~ Facial Reconstruction Credits: 3
- FRSC 590 - Medicolegal Death Investigation and Pathology Credits: 3
- FRSC 600 - Forensics Seminar Credits: 1
- FRSC 620 - Face and Biometric Pattern Analysis Credits: 3
- FRSC 630 - Fingerprint Identification Credits: 3
- FRSC 640 - Legal, Privacy and Ethical Issues in



- FRSC 790 - Internship in Forensic Science Credits: 1-6
- BIOL 574 - Population Genetics Credits: 4
- CHEM 563 - General Biochemistry I Credits: 4

### ▲ Concentration in Forensic Chemistry Analysis (FRCA)

This concentration educates students for a career as a forensic chemistry laboratory analyst.

Core Courses (30 credits)

- FRSC 500 - Introduction to Forensic Science Credits: 3
- FRSC 510 - Basic Crime Analysis Credits: 3
- FRSC 512 - Physical Evidence Analysis Credits: 3  
OR FRSC 630 Fingerprint Identification
- FRSC 520 - Toxicology Credits: 3
- FRSC 530 - Law and Forensic Science Credits: 3
- FRSC 540 - Forensic Chemistry Credits: 3 and  
FRSC 541 - Forensic Chemistry Laboratory Credits: 1
- FRSC 560 - Forensic DNA Sciences Credits: 3
- FRSC 570 - Introduction to Biochemical Forensics Credits: 3
- FRSC 600 - Forensics Seminar Credits: 1
- FRSC 610 - Forensics Research Project Credits: 1-4 (4 credits required)

Elective Courses (6 credits)

Choose 6 credits from the following courses:

- FRSC 511 - Advanced Crime Scene Analysis Credits: 3
- FRSC 512 - Physical Evidence Analysis Credits: 3
- FRSC 515 - Selected Topics in Forensic Science Credits: 3
- FRSC 517 - Questioned Document Examination Credits: 3
- FRSC 550 - Issues in Forensic Anthropology Credits: 3
- FRSC 580 - Image Analysis in Forensic Science Credits: 3
- FRSC 590 - Medicolegal Death Investigation and Pathology Credits: 3
- FRSC 600 - Forensics Seminar Credits: 1
- FRSC 620 - Face and Biometric Pattern Analysis

Identity Analysis Credits: 3

- FRSC 650 - Identity Analysis Applications Credits: 1
- FRSC 690 - ~~Forensics~~ Capstone – Moot Court and Expert Testimony Course Credits: 3
- FRSC 790 - Internship in Forensic Science Credits: 1-6
- BIOL 574 - Population Genetics Credits: 4
- CHEM 563 - General Biochemistry I Credits: 4

### ▲ Concentration in Forensic Chemistry Analysis (FRCA)

This concentration educates students for a career as a forensic chemistry laboratory analyst.

Core Courses (30 credits)

- FRSC 500 - Introduction to Forensic Science Credits: 3
- FRSC 510 - Basic Crime Analysis Credits: 3
- FRSC 512 - Physical Evidence ~~Analysis~~ Laboratory Credits: 3  
OR FRSC 630 Fingerprint Identification Credits: 3
- FRSC 514 – Survey of Forensic Chemistry, Biology, and DNA Analysis Credits: 3
- FRSC 520 - Toxicology Credits: 3
- FRSC 530 - Law and Forensic Science Credits: 3
- FRSC 540 - Forensic Chemistry Credits: 3 and  
FRSC 541 - Forensic Chemistry Laboratory Credits: 1
- ~~FRSC 560 – Forensic DNA Sciences Credits: 3~~
- FRSC 570 - ~~Introduction to Biochemical Forensics~~ Trace and Physical Evidence Concepts Credits: 3
- FRSC 600 - Forensics Seminar Credits: 1
- FRSC 610 - Forensics Research Project Credits: 1-4 (4 credits required)

Elective Courses (6 credits)

Choose 6 credits from the following courses:

- FRSC 511 - Advanced Crime Scene Analysis Credits: 3
- FRSC 512 - Physical Evidence ~~Analysis~~ Laboratory Credits: 3
- FRSC 515 - Selected Topics in Forensic Science Credits: 3
- FRSC 517 - Questioned Document Examination Credits: 3
- FRSC 550 - Issues in Forensic Anthropology Credits: 3
- FRSC 580 - ~~Image Analysis in Forensic Science~~ Facial Reconstruction Credits: 3

Credits: 3

- FRSC 630 - Fingerprint Identification Credits: 3
- FRSC 640 - Legal, Privacy and Ethical Issues in Identity Analysis Credits: 3
- FRSC 650 - Identity Analysis Applications Credits: 1
- FRSC 690 - Forensics Capstone Course Credits: 3
- FRSC 790 - Internship in Forensic Science Credits: 1-6
- CHEM 563 - General Biochemistry I Credits: 4
- CHEM 564 - General Biochemistry II Credits: 3
- CHEM 624 - Principles of Chemical Separation Credits: 3

#### ▲ Concentration in Forensic/Biometric Identity Analysis (FRBI)

This concentration educates students for a career as an identity intelligence analyst.

Core Courses (33 credits)

- FRSC 500 - Introduction to Forensic Science Credits: 3
- FRSC 510 - Basic Crime Analysis Credits: 3
- FRSC 530 - Law and Forensic Science Credits: 3
- FRSC 560 - Forensic DNA Sciences Credits: 3
- FRSC 600 - Forensics Seminar Credits: 1
- FRSC 610 - Forensics Research Project Credits: 1-4 (4 credits required)
- FRSC 620 - Face and Biometric Pattern Analysis Credits: 3
- FRSC 630 - Fingerprint Identification Credits: 3
- FRSC 640 - Legal, Privacy and Ethical Issues in Identity Analysis Credits: 3
- FRSC 650 - Identity Analysis Applications Credits: 1
- AIT 675 - Overview of the National Intelligence Community Credits: 3
- AIT 678 - National Security Challenges Credits: 3

Elective Courses (3 credits)

Choose 3 credits from the following courses:

- FRSC 511 - Advanced Crime Scene Analysis Credits: 3
- FRSC 512 - Physical Evidence Analysis Credits: 3
- FRSC 513 - Forensic Photography Credits: 3
- FRSC 515 - Selected Topics in Forensic Science

- FRSC 590 - Medicolegal Death Investigation and Pathology Credits: 3
- FRSC 600 - Forensics Seminar Credits: 1
- FRSC 620 - Face and Biometric Pattern Analysis Credits: 3
- FRSC 630 - Fingerprint Identification Credits: 3
- FRSC 640 - Legal, Privacy and Ethical Issues in Identity Analysis Credits: 3
- FRSC 650 - Identity Analysis Applications Credits: 1
- FRSC 690 - ~~Forensics~~ Capstone – Moot Court & Expert Testimony ~~Course~~ Credits: 3
- FRSC 790 - Internship in Forensic Science Credits: 1-6
- CHEM 563 - General Biochemistry I Credits: 4
- CHEM 564 - General Biochemistry II Credits: 3
- CHEM 624 - Principles of Chemical Separation Credits: 3

#### ▲ Concentration in Forensic/Biometric Identity Analysis (FRBI)

This concentration educates students for a career as an identity intelligence analyst.

Core Courses (30 credits)

- FRSC 500 - Introduction to Forensic Science Credits: 3
- FRSC 510 - Basic Crime Analysis Credits: 3
- FRSC 514 – Survey of Forensic Chemistry, Biology, and DNA Analysis Credits: 3
- FRSC 530 - Law and Forensic Science Credits: 3
- ~~FRSC 560 – Forensic DNA Sciences Credits: 3~~
- FRSC 600 - Forensics Seminar Credits: 1
- FRSC 610 - Forensics Research Project Credits: 1-4 (4 credits required)
- FRSC 620 - Face and Biometric Pattern Analysis Credits: 3
- FRSC 630 - Fingerprint Identification Credits: 3
- FRSC 640 - Legal, Privacy and Ethical Issues in Identity Analysis Credits: 3
- FRSC 650 - Identity Analysis Applications Credits: 1
- ~~AIT 675 – Overview of the National Intelligence Community Credits: 3~~
- AIT 678 - National Security Challenges Credits: 3

Elective Courses (6 credits)

Choose 3 credits from the following courses:

- FRSC 511 - Advanced Crime Scene Analysis Credits: 3
- FRSC 512 - Physical Evidence Analysis Laboratory



<p>Credits: 3</p> <ul style="list-style-type: none"> <li>• FRSC 517 - Questioned Document Examination Credits: 3</li> <li>• FRSC 550 - Issues in Forensic Anthropology Credits: 3</li> <li>• FRSC 570 - Introduction to Biochemical Forensics Credits: 3</li> <li>• FRSC 590 - Medicolegal Death Investigation and Pathology Credits: 3</li> <li>• FRSC 690 - Forensics Capstone Course Credits: 3</li> <li>• FRSC 790 - Internship in Forensic Science Credits: 1-6</li> </ul> <p>Degree Total: 36 credits</p>	<p>Credits: 3</p> <ul style="list-style-type: none"> <li>• FRSC 513 - Forensic Photography Credits: 3</li> <li>• FRSC 515 - Selected Topics in Forensic Science Credits: 3</li> <li>• FRSC 517 - Questioned Document Examination Credits: 3</li> <li>• FRSC 550 - Issues in Forensic Anthropology Credits: 3</li> <li>• FRSC 570 - <del>Introduction to Biochemical Forensics</del> Trace and Physical Evidence Concepts Credits: 3</li> <li>• FRSC 590 - Medicolegal Death Investigation and Pathology Credits: 3</li> <li>• FRSC 690 - <del>Forensics</del> Capstone – Moot Court &amp; Expert Testimony <del>Course</del> Credits: 3</li> <li>• FRSC 790 - Internship in Forensic Science Credits: 1-6</li> </ul> <p>Degree Total: 36 credits</p>
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