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Viewing: **SC-BS-FRSC : Forensic Science, BS**

Last approved: 12/07/18 4:57 pm

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Changes proposed by: jbazaz

Catalog Pages

Using this Program

[Forensic Science, BS](#)

In Workflow

1. **FRSC Chair**
2. SC Curriculum Committee
3. SC Associate Dean
4. SC CAT Editor
5. Assoc Provost-Undergraduate
6. Registrar-Programs: Duration
7. Registrar-Programs

Are you completing this form on someone else's behalf?

Yes

Requestor:

History

1. Nov 1, 2017 by clmig-jwehrheim
2. Dec 7, 2018 by Jennifer Bazaz Gettys (jbazaz)

Name	Extension	Email
Kimberly Rule	5338	kcarisi

Effective Catalog: 2020-2021

Program Level: Undergraduate

Program Type: Bachelor's

Degree Type: Bachelor of Science

Title: Forensic Science, BS

Banner Title: **Forensic Science, BS**

Registrar/OAPI Use Only – SCHEV Status Approved

Registrar’s Office Use Only – Program Start Term

**Registrar/OAPI Use
Only – SCHEV
Letter**

Concentration(s):

**Registrar/IRR Use
Only –
Concentration CIP
Code**

College/School: College of Science

**Department /
Academic Unit:** Forensic Science Program

**Jointly Owned
Program?** No

Justification

Adding new FRSC course offerings to enhance the forensic science curriculum including a laboratory component which is required for FEPAC accreditation. Our goal with these modifications is to provide forensic science majors additional forensic science relevant options of course offerings within the 12 required Additional Courses. Also, a much needed laboratory component (FRSC 305 Forensic Chemistry Lab) was added to complement our current FRSC 304 Forensic Chemistry lecture course as part of the required Forensic Science Core Courses. These modifications will assist in achieving the Forensic Science Education Programs Accreditation Commission (FEPAC) accreditation.

**Total Credits
Required:** Total credits: minimum 120

Registrar's Office Use Only - Program Code:

SC-BS-FRSC

**Registrar/IRR Use
Only – Program CIP
Code**

**Admission
Requirements:**

Admissions

University-wide admissions policies can be found in the [Undergraduate Admissions Policies](#) section of this catalog.

To apply for this program, please complete the [George Mason University Admissions Application](#).

**Program-Specific
Policies:**

Policies

Students must fulfill all [Requirements for Bachelor's Degrees](#), including the [Mason Core](#).

[FRSC 302](#) Forensic Trace Analysis **and** [FRSC 304](#) Forensic Chemistry will satisfy the writing intensive requirement.

For policies governing all undergraduate programs, see [AP.5 Undergraduate Policies](#).

Degree Requirements:

Students should refer to the [Admissions & Policies](#) tab for specific policies related to this program.

Students majoring in forensic science must complete their coursework with a minimum GPA of 2.30. No more than three courses with a grade of 'D' (1.00) may be applied to the major.

Students are advised to be aware of prerequisites that may be required for each course in the curriculum.

Forensic Science Core Courses

Code	Course List Title	Credits
FRSC 200	Survey of Forensic Science	3
FRSC 201	Introduction to Criminalistics	3
FRSC 302	Forensic Trace Analysis 1	3
FRSC 303	Forensic Evidence and Ethics	3
FRSC 304	Forensic Chemistry 1	3
FRSC 305	Forensic Chemistry Laboratory	1
FRSC 401	Crime Scene Investigations	3
FRSC 405	Independent Research Methods	3
or FRSC 406	Forensic Internship	
FRSC 460	Forensic DNA Analysis	3
FRSC 461	Forensic DNA Analysis Laboratory	1
FRSC 499	Comprehensive Examination	0
CRIM 100	Introduction to Criminal Justice (Mason Core)	3
Total Credits		29

¹[FRSC 302](#) Forensic Trace Analysis **and** [FRSC 304](#) Forensic Chemistry will satisfy this major's writing-intensive requirement.

Natural Science Core Courses

Code	Course List Title	Credits
BIOL 213	Cell Structure and Function (Mason Core)	4
BIOL 214	Biostatistics for Biology Majors	3-4
or STAT 250	Introductory Statistics I (Mason Core)	

Code	Title	Credits
BIOL 311	General Genetics	4
BIOL 430	Advanced Human Anatomy and Physiology I	4
CHEM 211 & CHEM 213	General Chemistry I (Mason Core) and General Chemistry Laboratory I (Mason Core)	4
CHEM 212 & CHEM 214	General Chemistry II (Mason Core) and General Chemistry Laboratory II (Mason Core)	4
CHEM 313	Organic Chemistry I	3
CHEM 314	Organic Chemistry II	3
CHEM 315	Organic Chemistry Lab I	2
CHEM 318	Organic Chemistry Lab II	2
MATH 113 or MATH 123 & MATH 124	Analytic Geometry and Calculus I (Mason Core) Calculus with Algebra/Trigonometry, Part A and Calculus with Algebra/Trigonometry, Part B (Mason Core)	4-6
PHYS 243	College Physics I (Mason Core)	3
PHYS 244	College Physics I Lab (Mason Core)	1
PHYS 245	College Physics II (Mason Core)	3
PHYS 246	College Physics II Lab (Mason Core)	1
Total Credits		45-48

Additional Courses

Code	Course List Title	Credits
Select 13 credits from the following:		13
Select 12 credits from the following:		12
FRSC 415	Selected Topics in Forensic Science	
FRSC 418	Analytical Thinking and Violent Crime Profiling	
FRSC 450	Casework in Forensic Anthropology	
BINF 401	Bioinformatics and Computational Biology I	
BINF 402	Bioinformatics and Computational Biology II	
BIOL 305	Biology of Microorganisms	
BIOL 306	Biology of Microorganisms Laboratory	
BIOL 404	Medical Microbiology	
BIOL 405	Microbial Genetics	
BIOL 431	Advanced Human Anatomy and Physiology II	
BIOL 452	Immunology	
BIOL 453	Immunology Laboratory	
BIOL 482	Introduction to Molecular Genetics	
BIOL 484	Cell Signaling and Disease	
CHEM 321	Quantitative Chemical Analysis	

Code	Title	Credits
CHEM 331	Physical Chemistry I	
CHEM 332	Physical Chemistry II	
CHEM 336	Physical Chemistry Lab I	
CHEM 337	Physical Chemistry Lab II	
CHEM 422	Instrumental Methods of Chemical Analysis	
CHEM 423	Instrumental Methods of Chemical Analysis Laboratory	
CHEM 427	Aquatic Environmental Chemistry	
CHEM 441	Properties and Bonding of Inorganic Compounds	
CHEM 446	Bioinorganic Chemistry	
CHEM 463	General Biochemistry I	
CHEM 464	General Biochemistry II	
CHEM 465	Biochemistry Lab	
Total Credits		12

**Retroactive
Requirements
Updates:**

Plan of Study:

**Honors
Information:**

Additional Program Information

This information is required by the Office of Accreditation and Program Integrity.

**Courses offered via
distance (if
applicable):**

**What is the
primary delivery
format for the
program?**
Face-to-Face Only

Does any portion of this program occur off-campus?

No

Are you working with a vendor / other collaborators to offer your program?

No

**Related
Departments**

**Could this program prepare students for any type of professional licensure, in
Virginia or elsewhere?**

No

Are you adding or removing a licensure component?

No

Additional SCHEV & SACSCOC Information

Are you changing the total number of credits required for this program?

Are you changing the delivery format in any way (e.g adding an online option)?

Are you adding/removing a licensure option which was approved by SCHEV?

Will any portion of this program be offered at an off-campus location?

Are you adding significant new content areas to the program?

Will this program change affect any specialized accreditation?

Green Leaf Program Designation

Is this a Green Leaf
program? No

Does this program cover material which crosses into another department?

No

**Additional
Attachments**

SCHEV Proposal

**Executive
Summary**

**Reviewer
Comments**

**Additional
Comments**

Is this course required of all students in this degree program?

%wi_required.eshtml%

Key: 145