

## FACULTY AGENDA ITEM

Date: 2/19/2023

Submitted by: John Mullican, x. 2079

SUBJECT: Significant Program Edits – Forensic Biology, BS

Description / Rationale: We are making a number of changes to the Forensic Biology major to align the degree program with FEPAC accreditation standards and to address the new General Education requirements. These changes include updating course number changes (BI 102 to BI 192, and BI 103 to BI 194), adding BI 301 as a required course, adding biology research credits (from 1 to 3), reducing biology elective credits to zero (from 11), removing CJ 410 (as this is covered in another course), and providing an option of taking either biochem I with lab (CH 350 and CH 351) or immunology with lab (BI 362 and 363). We also removed the "Capstone" designation for Biology Seminar and Forensic Molecular Biology to align with FEPAC standards.

Financial Implications: None indicated.

Proposed Effective Date: Fall 2024

Request for Action: *Approval by AAC/.FAC/FS/ Gen Fac, etc*

Approved by: *AAC on 2/12/2024*

*FAC on date*

*Faculty Senate on date*

Attachments Yes ☒ No ☐

# Program Change Request

Date Submitted: 11/13/23 12:07 pm

Viewing: **FB-BS : BI: Forensic Biology BS**

Last approved: 09/30/22 11:56 am

Last edit: 02/13/24 9:50 am

Changes proposed by: John Mullican (john.mullican)

Catalog Pages Using this Program [Forensic Biology, BS](#)

Change Type	<a href="#">Significant</a>
Summarize Changes and Include Rationale	We are making a number of changes to the Forensic Biology major to align the degree program with FEPAC accreditation standards and to address the new General Education requirements. These changes include updating course number changes (BI 102 to BI 192, and BI 103 to BI 194), adding BI 301 as a required course, adding biology research credits (from 1 to 3), reducing biology elective credits to zero (from 11), removing CJ 410 (as this is covered in another course), and providing an option of taking either biochem I with lab (CH 350 and CH 351) or immunology with lab (BI 362 and 363). We also removed the "Capstone" designation for Biology Seminar and Forensic Molecular Biology to align with FEPAC standards.

## General Information

Effective Catalog Edition	2024-2025
Department	Biology
College	College of Arts and Sciences
Division	Natural Science & Mathematics
Degree Level	Undergraduate
Program Title	BI: Forensic Biology BS
Degree to be Offered	Bachelor of Science (BS)
Is this program offered completely online?	<a href="#">No</a>
Does this program lead to a teaching certification?	No
Program Code	FB-BS
Is this program an interdisciplinary program?	No
CIP Code	<a href="#">430106</a> - <a href="#">Forensic Science and Technology</a> .
Modality	

## Admission and Curriculum

Admission Criteria	
Total Number of Semester Credit Hours for the Degree	
Curriculum	

### In Workflow

1. Acad Ops
2. BI Chair
3. Library
4. NSM Chair
5. CA Dean
6. CFCCC Chair
7. Assoc Dean CFC
8. CA Assoc Dean
9. Governance Check
10. AA Committee
11. Faculty Senate
12. General Faculty
13. WUBOR
14. Final Acad Ops
15. Registrar

### Approval Path

1. 11/13/23 1:53 pm  
Holly Broxterman (holly.broxterman):  
Approved for Acad Ops
2. 11/13/23 1:59 pm  
John Mullican (john.mullican):  
Approved for BI Chair
3. 11/13/23 6:01 pm  
Sean Bird (sean.bird):  
Approved for Library
4. 11/17/23 3:30 pm  
Andrew Herbig (andrew.herbig):  
Approved for NSM Chair
5. 11/28/23 12:44 pm  
Kelly Erby (kelly.erby):  
Approved for CA Dean
6. 11/30/23 12:37 pm  
Holly Broxterman (holly.broxterman):  
Rollback to BI Chair for CFCCC Chair
7. 11/30/23 12:46 pm  
John Mullican (john.mullican):  
Approved for BI Chair
8. 11/30/23 12:54 pm  
Sean Bird (sean.bird):  
Approved for Library
9. 11/30/23 4:44 pm  
Andrew Herbig

- (andrew.herbig):  
Approved for NSM  
Chair
10. 01/09/24 9:21 am  
Kelly Erby  
(kelly.erby):  
Approved for CA  
Dean
11. 01/26/24 3:38 pm  
Bruce Mactavish  
(bruce.mactavish):  
Approved for CFCCC  
Chair
12. 01/30/24 9:24 pm  
Kelly Erby  
(kelly.erby):  
Approved for Assoc  
Dean CFC
13. 02/07/24 5:41 pm  
Kelly Erby  
(kelly.erby):  
Approved for CA  
Assoc Dean
14. 02/07/24 6:00 pm  
Holly Broxterman  
(holly.broxterman):  
Approved for  
Governance Check
15. 02/13/24 9:50 am  
Holly Broxterman  
(holly.broxterman):  
Approved for AA  
Committee

### History

1. Apr 21, 2022 by  
clmig-jwilling
2. Sep 30, 2022 by  
Holly Broxterman  
(holly.broxterman)

## Degree Requirements

In addition to the requirements stated below, students must complete 34-35 hours of General Education, all requirements for a Bachelor of Science degree, and any additional hours needed to reach the minimum 120 credit hours required for graduation. Some of the courses below may also fulfill general education or other degree requirements. Please see your advisor for more information.

Required Courses Inside Department		
<del>BI 102</del>	<del>General Cellular Biology</del>	<del>5</del>
<del>BI 103</del>	<del>General Organismal Biology</del>	<del>5</del>
<u>BI 192</u>	<u>General Cellular Biology</u>	<u>5</u>
<u>BI 194</u>	<u>General Organismal Biology</u>	<u>5</u>
<u>BI 301</u>	<u>General Microbiology</u>	<u>4</u>
<del>BI 314</del>	Statistics for Biologists	3
<del>BI 333</del>	General Genetics	4
<del>BI 353</del>	Molecular Genetics	3
<del>BI 354</del>	Molecular Biology Laboratory	3
<u>BI 390</u>	Biology Seminar	1

<a href="#">BI 395</a>	Research in Biology (Capstone Course)	3
<a href="#">BI 420</a>	Forensic Molecular Biology	4
Required Courses Outside Department		
<del>BI electives (300-level or higher)</del>		<del>11</del>
<a href="#">CH 151</a>	Fundamentals of Chemistry I	5
<a href="#">CH 152</a>	<a href="#">Fundamentals of Chemistry II</a>	<u>5</u>
<a href="#">CH 202</a>	Professional Forensic Science Seminar	2
<a href="#">CH 323</a>	Advanced Forensic Chemistry	4
<a href="#">CH 340</a>	Organic Chemistry I	3
<a href="#">CH 342</a>	<a href="#">Organic Chemistry Lab I</a>	<u>2</u>
<a href="#">CH 341</a>	Organic Chemistry II	3
<a href="#">CH 343</a>	<a href="#">Organic Chemistry Lab II</a>	<u>2</u>
<a href="#">CJ 115</a>	Introduction to Forensic Investigations	3
<del>CJ 410</del>	<del>Criminal Procedure and Evidence</del>	<del>3</del>
<a href="#">CJ 415</a>	Advanced Forensic Investigations	3
<a href="#">CJ 416</a>	Forensic Applied Science Laboratory	3
<a href="#">MA 116</a>	<a href="#">College Algebra</a>	<u>3</u>
<a href="#">MA 151</a>	Calculus & Analytic Geometry I	5
<a href="#">PH 102</a>	Ethics: Introduction to Moral Problems	3
or <a href="#">PH 214</a>	Medical Ethics	
Select one of the following physics sequences:		10
<a href="#">PS 261</a> & <a href="#">PS 262</a>	College Physics I and College Physics II (1 year with lab)	
<a href="#">PS 281</a> & <a href="#">PS 282</a>	General Physics I and General Physics II (1 year with lab)	
Additional Required Courses		
<a href="#">Select one of the following sequences:</a>		<u>5</u>
<a href="#">BI 362</a> & <a href="#">BI 363</a>	<a href="#">Immunology</a> and <a href="#">Immunology Laboratory</a>	
<a href="#">CH 350</a> & <a href="#">CH 351</a>	Biochemistry I and Biochemistry Lab	

Total Hours

96

~~Degree Requirements The Bachelor of Science (B.S.) in Forensic Biology requires a minimum of 40 BI hours plus an additional 60 credit hours of non-biology correlate courses. The coursework for the B.S. in Forensic Biology satisfies the 30-hour natural science concentration and is designed to meet the requirements for accreditation as outlined by the Forensic Science Education Programs Accreditation Commission (FEPAC). Depending upon a student's math competency, it will take approximately 125-128 credits to complete the B.S. degree in Forensic Biology.~~

Pathway

Faculty Workload Analysis (describe how the course offering schedule and anticipated enrollments correlate to faculty lines)

Supplemental Files

Reviewer

Holly Broxterman (holly.broxterman) (11/30/23 12:37 pm): Rollback: Need to add MA 116 to

Comments

program, rolling back to BI Chair to edit and review.

John Mullican (john.mullican) (11/30/23 12:46 pm): Adding MA 116 as a program

requirement.

Holly Broxterman (holly.broxterman) (02/13/24 9:50 am): Approved by Academic Affairs

Committee in 2/12/2024 meeting.