

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 [Significant](#)

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? [No](#)

Does this program lead to a teaching certification? No

Program Code: FB-BS

Is this program an interdisciplinary program? No

CIP Code: [430106 - Forensic Science and Technology](#)

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

BI 102	General Cellular Biology	5
BI 103	General Organismal Biology	5
<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>
BI 314	Statistics for Biologists	3
BI 333	General Genetics	4
BI 353	Molecular Genetics	3
BI 354	Molecular Biology Laboratory	3
<u>BI 390</u>	Biology Seminar	1

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