

WASHBURN
UNIVERSITY
COLLEGE OF ARTS AND SCIENCES

CAS General Faculty Meeting
February 7, 2024, 3:30 PM (socializing begins at 3 PM)
Convocation Hall, Bradbury Thompson Alumni Center

- I. Call to Order
- II. Approval of Minutes from October 18, 2023 CAS General Faculty Meeting
- III. Old Business—none
- IV. New Business
 - a. Curricular Proposals
 - i. CAS Degree Change Proposals
 - a. Natural Science Concentration Hours Change to BS Degrees
 - ii. New Program Proposals
 - a. Graduate Certificate in Communication and Leadership
 - b. Mathematics Secondary Education: Core Mathematics 6-12
 - iii. Program Changes
 - a. Associate of Arts in Computer Information Sciences
 - b. Bachelor of Arts in Computer Information Sciences
 - c. Bachelor of Arts in Computer Information Sciences with Digital Forensics Concentration
 - d. Bachelor of Science in Computer Information Sciences
 - e. Bachelor of Science in Computer Information Sciences with Data Science Concentration
 - f. Bachelor of Arts in English, Creative Writing Emphasis
 - g. Bachelor of Arts in Religious Studies
 - h. Biology Minor
 - i. Bachelor of Arts in Environmental Biology
 - j. Bachelor of Science in Environmental Biology
 - k. Bachelor of Science Forensic Biology
 - l. Bachelor of Science Molecular Biology and Biotech
 - m. Bachelor of Arts in Communication
 - n. Associate of Science Engineering-Physics

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- V. Discussion & Updates
- VI. Additional discussion/questions from CAS Faculty
- VII. Announcements
 - a. Feb. 22, 11 am–2 pm: Chris Rhoads Retirement Party, Morgan 209
 - b. Call for CAS Faculty to teach TX 200 and TX 301 in Fall 2024—apply by March 1
 - c. Feb. 23-24, March 1-3: Brothers of the Dust play 7:30 p.m. (2 p.m. March 3)
 - d. March 5 @ 3 PM: CAS Faculty Meeting, Convocation Hall, BTAC
 - e. March 5: Thomas King Lecture in Religious Studies, 7 p.m., Washburn A
 - f. March 7 @ 6 PM: Poet Nikki Giovanni, White Concert Hall (please note recent change in location)

2024 WUmester topic is *Community and Belonging*. Please consider how you can incorporate the WUmester topic into your spring courses.

Add the CAS calendar to your Outlook view by choosing casmonthly. If you have any problems gaining access, email our Office 365 administrator at casey.matthews@washburn.edu.

CAS Faculty Meeting

10-18-23, 3:30 PM

Bradbury Thompson Alumni Center, Convocation Hall

- I. **Call to Order.** Dr. Erby called the meeting to order at 3:38 PM.
- II. **Approval of Minutes.** A motion was made and seconded to approve the minutes of the 09/12/23 meeting. These minutes were unanimously approved by a voice vote.
- III. **New Business.**
 - a) Dr. Erby opened discussion about the adoption of WU101 as a degree requirement. A motion was made and seconded to pass this item. The item was approved by a majority vote.
 - b) A motion was made and seconded to approve an EN3XX upper division writing course as a degree requirement. The item was approved unanimously.
 - c) A motion was made and seconded to approve the program change for the BA in Public Admin. The item was approved unanimously.
 - d) A motion was made and seconded to approve changes to the minor in public admin. The rationale for this change was explained by Bob Beatty and Bill Fiander. The item was approved unanimously.
 - e) A motion was made and seconded to approve the change to the English Literature emphasis. The item was approved unanimously.
 - f) A motion was made and seconded to approve the changes to the BA in Philosophy. Ian Smith explained rationale for proposed changes. The item was approved unanimously.
- IV. **Updates.** Dr Erby shared about the Henderson renovation. An architect has been engaged. This will be a phased renovation, where the building will be in use while being renovated. There will be many opportunities for CAS input on the design. Nov 16th and 17th will be open sessions for faculty input, and there will also be a survey of faculty and students. A question was discussed about recent remodels and how that will enter into process. Another question was posed about the movement of CAS Deans office to Henderson and the rationale for that change. This appears to be a likely move.
Dr. Erby shared an update on the provost search. Final candidates will be brought to campus in December and faculty will have a chance to interact with them. The plan is to hire someone before winter break and the new provost would either start in spring or by June 1st, at their discretion.

A question was asked about interdisciplinary minor compared to a department minor. There is a specific concern about number of upper division hours versus interdisciplinary minor. This may require a catalog change. These discussions should happen in early spring.

- V. **Announcements.** Various faculty announced upcoming events. A new faculty member in Physics was introduced.
- VI. **Adjournment.** Meeting was adjourned at 4:09 PM.

Submitted by: Matt Arterburn

Miscellaneous Change Request

New Proposal

Date Submitted: 10/26/23 10:23 pm

Viewing: **Natural Science Concentration Hours Change to Bachelor of Science Degrees**

Last edit: 10/26/23 10:23 pm

Changes proposed by: Andrew Herbig (andrew.herbig)

Request Type Policy Request or Change

Title

Natural Science Concentration Hours Change to Bachelor of Science Degrees

Request Details

In Workflow

1. NSM Chair
2. CA Dean
3. CFCCC Chair
4. Assoc Dean CFC
5. CA Assoc Dean
6. Final Acad Ops
7. Registrar

Approval Path

1. 10/27/23 11:51 am
Andrew Herbig
(andrew.herbig):
Approved for NSM
Chair
2. 10/27/23 4:54 pm
Kelly Erby
(kelly.erby):
Approved for CA
Dean
3. 11/14/23 12:32 pm
Bruce Mactavish
(bruce.mactavish):
Approved for
CFCCC Chair
4. 11/21/23 11:15 am
Kelly Erby
(kelly.erby):
Approved for
Assoc Dean CFC

Decrease the Natural Sciences concentration requirement for Bachelor of Science degrees from 20 hours in one department to 15 hours.

The main rationale is a student-centered one that provides more flexibility in taking a variety of courses in the students' interest and/or career goals. Primarily, dropping the hours from 20 to 15 hours in one department provides students an opportunity to take a greater variety of science courses for their NS concentration. For example, most B.S. biology students take 20 hours of chemistry, but their future goals might not need them to have 20 hours of chemistry. Thus, they would benefit by taking a course or two from another science discipline that would help them after graduation. For example, they might choose to take a CM course in computer programming or another MA or PS course. The change is also likely to help students "double-dip" credit hours with some of the new interdisciplinary minors, especially the bioinformatics minor that is currently being developed.

It should be noted that both the departments of SO/AN and KN have stated that this change will not affect them.

Supporting Documents [Bachelor of Science Degree proposal 20 to 15 catalog change.pdf](#)

Reviewer

Comments

Key: 15

Program Change Request

New Program Proposal

Date Submitted: 10/26/23 10:09 am

Viewing: : **Graduate Certificate in Communication and Leadership**

Last edit: 10/26/23 11:45 am

Changes proposed by: Jim Schnoebelen (jim.schnoebelen)

Catalog Pages

Using this Program

[Graduate Certificate in Communication and Leadership](#)

In Workflow

1. Acad Ops
2. CN Chair
3. Library
4. HUM Chair
5. CA Dean
6. CFCCC Chair
7. Assoc Dean CFC
8. CA Assoc Dean
9. Governance Check
10. Grad Council
11. Final Acad Ops
12. Registrar

General Information

Effective Catalog Edition	2024-2025
Department	Communication Studies
College	College of Arts and Sciences
Division	Humanities
Degree Level	Graduate
Program Title	Graduate Certificate in Communication and Leadership
Degree to be Offered	Certificate (CERT)

Approval Path

1. 10/26/23 11:48 am
Holly Broxterman (holly.broxterman):
Approved for Acad Ops
2. 10/26/23 12:34 pm
Jim Schnoebelen (jim.schnoebelen):
Approved for CN Chair
3. 10/27/23 6:09 am
Sean Bird (sean.bird):

Is this program offered completely online? Yes

Does this program lead to a teaching certification? No

Is this program an interdisciplinary program? Yes

Interdisciplinary Department Leadership Institute

CIP Code 090100 - Communication, General.

- Approved for Library
- 4. 11/14/23 8:53 pm
Ian Smith1
(ian.smith1):
Approved for HUM Chair
- 5. 11/28/23 12:34 pm
Kelly Erby
(kelly.erby):
Approved for CA Dean

New Program Header

Statement of Justification/Rationale for Offering the Program

The ability to communicate effectively in various settings and lead others in teams and organizations continues to be desirable among top employers. The MA in Communication and Leadership that Washburn currently offers has steady application, enrollment, and graduation rates. Adding this certificate will offer access to the courses within our MA program for two key populations: 1) those pursuing another graduate degree at Washburn who wish to add this academic credential to their current programs of study and 2) those who have an undergraduate degree and would like to pursue a valuable graduate credential but who cannot commit to a full degree program.

Offering a certificate in Communication and Leadership will also allow students currently enrolled in WU graduate programs who have elective hours as part of their degrees (i.e., Criminal Justice) access to a valuable additional credential for only a few additional hours of credit. This may prove beneficial in adding an incentive to enroll in such programs as these students may perceive getting more “bang for their buck” compared to similar programs that do not provide access to such certificates.

Finally, though our enrollment is consistent in MACNLE courses, this will likely result in a modest boost in our enrollment.

Program Demand

I have spoken with various directors of graduate programs and personnel on campus and have anecdotal evidence of demand. Several sources also continue to list Communication and Leadership among top 5 skills sought by new employers, so I believe this will have demand.

Projected Enrollment for the Initial Three Years of the Program

Implementation

Year 2

Full-Time Headcount Per Year	NA	Part-Time Headcount Per Year	2-5
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Full-Time Sem Credit Hrs Per Year	NA	Part-Time Sem Credit Hrs Per Year	2-5
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Year 3

Full-Time Headcount Per Year	NA	Part-Time Headcount Per Year	5-7
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Full-Time Sem Credit Hrs Per Year	NA	Part-Time Sem Credit Hrs Per Year	5-7
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Employment

Employment Opportunity Information

As I have noted in other sections above, "Communication" and "Leadership" are skills many employers want in new employees. It stands to reason that this demand will exist in higher echelons within organizations, as well. Our MA degree appeals to those seeking enhancement and advancement of current jobs, and I contend that this certificate will reflect a similar demand.

Admission and Curriculum

Admission Criteria

Admission to any Washburn graduate program OR meet the following criteria:
 Students with at least a 3.5 undergraduate GPA (cumulative or in their last 60 hours) can just fill in the application and submit transcripts and resume to be accepted.
 Students with a 3.0-3.49 undergraduate GPA (cumulative or in their last 60 hours) must

submit the application, transcripts, resume, and a writing sample from an undergraduate class.

Students with a 2.5-2.99 undergraduate GPA (cumulative or in their last 60 hours) must submit the application, transcript, resume, a writing sample from an undergraduate class, and at least one recommendation as currently facilitated via CollegeNet.

Students with an undergraduate GPA below a 2.5 (cumulative or in their last 60 hours) must submit the application, transcript, resume, a writing sample from an undergraduate course, and contact information for 3 persons who can provide a recommendation as currently facilitated via CollegeNet.

NOTE: Students with an UG GPA below a 2.5 GPA will be considered for conditional admission provided all other aspects of their application check out. This will require the student to maintain a 3.0 GPA in their first two courses in the program.

Total Number of 12
Semester Credit
Hours for the
Degree
Curriculum

Certificate Requirements

<u>CN 601</u>	Introduction to Graduate Study - Communication Study	3
<u>LE 601</u>	Self and Systems Leadership	3
Select one Communication course from the following:		3
<u>CN 630</u>	Communication-Conflict/Negotiation	
<u>CN 642</u>	Team Communication in Organizations	
<u>CN 645</u>	Community Dialogue & Deliberation	
<u>CN 650</u>	Persuasion	
Select one Leadership course from the following:		3
<u>LE 620</u>	Leadership/Resource Stewardship	
<u>LE 630</u>	Organization Improvement & Innovation	

LE 640

Public Policy & Global Leadership

Total Hours

12

Pathway

Core Faculty

Faculty Name	Jim Schnoebelen*
Rank	Professor
Highest Degree	Ph.D.
Tenure Track	Yes
Academic Area of Specialization	Communication Studies
FTE to Proposed Program	Unknown

Faculty Name	Lauren Edelman
Rank	
Highest Degree	Ph.D.
Tenure Track	No
Academic Area of Specialization	Leadership Studies
FTE to Proposed Program	Unknown

Faculty Name	Tracy Routsong
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Rank	Professor
Highest Degree	Ph.D.
Tenure Track	Yes
Academic Area of Specialization	Communication Studies
FTE to Proposed Program	Unknown

Faculty Name	Adebanke Adebayo
Rank	Assistant Professor
Highest Degree	Ph.D.
Tenure Track	Yes
Academic Area of Specialization	Communication Studies
FTE to Proposed Program	Unknown

Faculty Name	Carson Kay
Rank	Assistant Professor
Highest Degree	Ph.D.
Tenure Track	Yes
Academic Area of Specialization	Communication Studies
FTE to Proposed Program	Unknown

Program

Faculty Name	Kevin O'Leary
Rank	Senior Lecturer
Highest Degree	Ph.D.
Tenure Track	No
Academic Area of Specialization	Communication Studies
FTE to Proposed Program	Unknown

Faculty Workload Analysis

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

The current course offerings will not be impacted; the proposed certificate would be composed of courses already taught for our MACNLE degree.

Supplemental Files

Reviewer
Comments

Key: 411

Program Change Request

New Program Proposal

Date Submitted: 10/18/23 9:59 am

Viewing: : **Mathematics Secondary**

Education: Core Mathematics 6-12

Last edit: 01/23/24 10:37 am

Changes proposed by: Sarah Cook (sarah.cook)

In Workflow

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

General Information

Effective Catalog Edition	2024-2025
Department	Mathematics and Statistics
College	College of Arts and Sciences
Division	Natural Science & Mathematics
Degree Level	Undergraduate
Program Title	Mathematics Secondary Education: Core Mathematics 6-12
Degree to be Offered	Bachelor of Education (BED)
Is this program offered completely online?	No
Does this program lead to a	Yes

Approval Path

1. 10/18/23 2:31 pm
Holly Broxterman (holly.broxterman):
Approved for Acad Ops
2. 10/18/23 2:42 pm
Sarah Cook (sarah.cook):
Approved for MA Chair

teaching certification?

Is this program an interdisciplinary program? No

CIP Code 131311 - Mathematics Teacher Education.

- 3. 10/19/23 2:49 pm
Sean Bird
(sean.bird):
Approved for Library
- 4. 10/19/23 2:58 pm
Cherry Steffen
(cherry.steffen):
Approved for ED Chair
- 5. 10/22/23 1:33 pm
Andrew Herbig
(andrew.herbig):
Approved for NSM Chair
- 6. 11/28/23 3:18 pm
Kelly Erby
(kelly.erby):
Approved for CA Dean

New Program Header

Statement of Justification/Rationale for Offering the Program

The State of Kansas is developing a new licensure program for 6-12 mathematics. This license will be in addition to the existing 6-12 math licensure program. The new license will allow educators to teach only a restricted list of "core" secondary courses (geometry and below). The State is finishing the standards for this degree and is anticipating that Institutions will have a degree program available starting in the 2024-2025 academic year. It is important for Washburn to offer this new degree option to stay competitive with area institutions.

Program Demand

Since this is a new program developed by the State, we are assuming that the State

has done research to determine that the degree will be attractive to future educators. Currently students who want to teach middle school math can earn either an Elementary Education degree (through the Education Department) or a Math Secondary Education degree (through the Math Department). The proposed degree will be a mixture of courses from these two existing programs. This new degree will give students an option to focus on middle school mathematics while still obtaining their BEd from the Math Department. We have already had 3-5 students who have indicated a desire pursue this new degree.

Projected Enrollment for the Initial Three Years of the Program

Implementation

Year 2

Full-Time Headcount Per Year	5	Part-Time Headcount Per Year	0
Full-Time Sem Credit Hrs Per Year	150	Part-Time Sem Credit Hrs Per Year	0

Year 3

Full-Time Headcount Per Year	8	Part-Time Headcount Per Year	0
Full-Time Sem Credit Hrs Per Year	240	Part-Time Sem Credit Hrs Per Year	0

Employment

Employment Opportunity Information

Middle and High School math teachers are in extremely high demand. The Kansas State Department of Education website currently lists several openings for middle school and/or high school math teachers. We are aware that many positions went unfilled last year. Some schools are even resorting to emergency certifying community members to teach their high school core math courses (especially in rural communities)

Admission and Curriculum

Admission Criteria

Students will need to be admitted to the Department of Education under the same criteria as existing Education students.

Total Number of 120

Semester Credit

Hours for the
Degree

Curriculum

Mathematics Secondary Education: Core Mathematics 6-12

In addition to the requirements stated below, students must complete 34-35 hours of General Education, all requirements for a Bachelor of Education 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.

Degree Requirements

Required Courses Inside Mathematics Department

<u>MA 116</u>	College Algebra	3
<u>MA 117</u>	Trigonometry	3
<u>MA 140</u>	Statistics	3
<u>MA 151</u>	Calculus & Analytic Geometry I	5
<u>MA 200</u>	Number & Operation for Elementary Teachers	3
<u>MA 201</u>	Geometry, Proportion & Data Analysis for Elementary Teachers	3
<u>MA 204</u>	Number Theory and Discrete Math for Middle School Teachers	3
<u>MA 260</u>	Introduction to Number Theory	3
<u>MA 315</u>	Seminar: Teaching Mathematics	1
<u>MA 316</u>	Teaching Algebra	1
<u>MA 320</u>	Mathematics for Middle School Teachers	3
<u>MA 367</u>	Modern Geometry	3
<u>MA 381</u>	History and Literature of Mathematics	3
Subtotal		37
Required Courses Inside Education Department		
<u>ED 155</u>	Teaching, Learning, Leadership	3
<u>ED 165</u>	Ed. 1, Examining Teaching as a Profession: Diversity 1, Literacy 1, Technology 1	3
<u>ED 275</u>	Ed. 2 Exploring Teaching as a Profession (Classroom Management 1, Diversity 2, Technology 2) Ed. 2	3
<u>ED 285</u>	Educational Psychology	3
<u>ED 295</u>	Ed. 3 Experiencing Teaching as a Profession (Classroom Management 2, Diversity 3, Literacy 2)	3
<u>ED 302</u>	Teaching Exceptional Learners	3
<u>ED 321</u>	STEM Practicum II	1

<u>ED 340</u>	Teaching in Adolescent Middle Level Environment	2
<u>ED 349</u>	Middle Level Mathematics Practicum	1
<u>ED 354</u>	Curriculum and Assessment	3
<u>ED 363</u>	Methods of Teaching Math in Secondary School	3
<u>ED 395</u>	Ed. 4 Extending Teaching as a Profession (Classroom Management 3, Literacy 3, Technology 3)	3
<u>ED 410</u>	Secondary Student Teaching	12
Subtotal		43
Required Courses Inside Other Departments		
<u>PY 211</u>	Adolescent Psychology	3
Subtotal		3
Total Hours		83
Pathway		

Core Faculty

Faculty Name	Janet Sharp
Rank	Professor
Highest Degree	Doctorate
Tenure Track	Yes
Academic Area of Specialization	Math Education
FTE to Proposed Program	.75

Faculty Name Jennifer Wagner

Rank	Professor
Highest Degree	Doctorate
Tenure Track	Yes
Academic Area of Specialization	Combinatorics
FTE to Proposed Program	.25

Faculty Workload Analysis

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

Every course in this degree program is a course required for either the existing Elementary Education Middle School Math/STEM degree or the existing Secondary Education Mathematics degree (see attachment). Thus, our course offering schedule will not change in the near future. While we expect larger enrollments in the math courses required for this degree, we do not expect the enrollment sizes to require additional sections of the courses in the near future.

Supplemental Files [Comparison of Math BEds.pdf](#)

Reviewer

Comments

Beth O'Neill (beth.oneill) (10/18/23 12:36 pm): Format changes needed for catalog degree requirement standardization completed.

Beth O'Neill (beth.oneill) (01/23/24 10:36 am): Program name changed to reflect KSDE licensure wording, as requested by Sarah Cook.

Program Change Request

Date Submitted: 09/19/23 2:57 pm

Viewing: **CM-AA : CM/Comp Info Science: AA**

Last approved: 05/03/23 4:37 pm

Last edit: 09/19/23 2:57 pm

Changes proposed by: Nan Sun (nan.sun)

Catalog Pages

Using this

Program

[AA, Computer Information Science](#)

Change Type

Significant

Summarize

Changes and

Include Rationale

In Workflow

1. Acad Ops
2. CM 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. 09/20/23 10:07 am
Beth ONeill
(beth.oneill):
Approved for Acad Ops
2. 09/20/23 10:43 am
Nan Sun
(nan.sun):
Approved for CM

- Chair
3. 09/20/23 11:07 am
Sean Bird
(sean.bird):
Approved for
Library
 4. 10/02/23 10:39
am
Andrew Herbig
(andrew.herbig):
Approved for NSM
Chair
 5. 10/02/23 4:52 pm
Kelly Erby
(kelly.erby):
Approved for CA
Dean
 6. 11/14/23 12:32 pm
Bruce Mactavish
(bruce.mactavish):
Approved for
CFCCC Chair
 7. 11/21/23 11:15 am
Kelly Erby
(kelly.erby):
Approved for
Assoc Dean CFC

History

1. Apr 21, 2022 by
clmig-jwillgig
2. Jul 15, 2022 by
Steve Luoma
(steven.luoma)

3. Sep 30, 2022 by Holly Broxterman (holly.broxterman)
4. Apr 19, 2023 by Holly Broxterman (holly.broxterman)
5. May 3, 2023 by Holly Broxterman (holly.broxterman)

To conform to the new general education requirements and to ensure the program is close to 60 total hours.

General Information

Effective Catalog Edition	2024-2025
Department	Computer Information Sciences
College	College of Arts and Sciences
Division	Natural Science & Mathematics
Degree Level	Undergraduate
Program Title	CM/Comp Info Science: AA
Degree to be Offered	Associate of Arts (AA)
Is this program offered completely online?	<u>No</u>
Does this program lead to a teaching	No

certification?

Is this program an interdisciplinary program? No

CIP Code [11.0101](#) - [11.0101](#)

Admission and Curriculum

Admission Criteria

Total Number of Semester Credit Hours for the Degree [66](#)

Curriculum

Degree Requirements

Computer Information Science Required

CM 111	Introduction to Structured Programming	4
CM 231	Computer Organization/Assembler Language	3
CM 245	Contemporary Programming Methods	3
CM 261	Networked Systems	3
Select one of the following:		3
CM 307	Data Structures & Algorithmic Analysis	
CM 335	Advanced Application Programming & Design	
CM 361	Introduction to Cybersecurity	
CM 322	Operating Systems	

<u>CM 330</u>	<u>Web Development II</u>	
<u>CM 334</u>	<u>Modeling with VBA/Excel</u>	
Subtotal		16
Computer Information Science Electives		
Any CM elective		3
Upper Division CM elective		3
Subtotal		6
Correlated Courses		
EC 200	Principles of Microeconomics	3
EC 201	Principles of Macroeconomics	3
<u>MA 140</u>	Statistics	3
<u>MA 206</u>	Discrete Mathematics for Computing	3
EN 150	Public Speaking	3
EN 208	Professional Writing	3
Subtotal		6
Total Hours		28

Students must also meet the Associate of Arts University Requirements.

Pathway

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

Supplemental
Files

Reviewer

Comments

Key: 33

Program Change Request

Date Submitted: 10/02/23 10:17 am

Viewing: **CM-BA : CM/Comp Info Science: BA**

Last approved: 05/09/23 11:11 am

Last edit: 10/02/23 10:17 am

Changes proposed by: Nan Sun (nan.sun)

Catalog Pages

Using this

Program

[BA, Computer Information Science](#)

Change Type

Significant

Summarize

Changes and

Include Rationale

In Workflow

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

Approval Path

1. 10/02/23 10:28 am
Holly Broxterman (holly.broxterman):
Approved for Acad Ops
2. 10/02/23 10:37 am
Nan Sun (nan.sun):
Approved for CM Chair

3. 10/02/23 10:39 am
Andrew Herbig
(andrew.herbig):
Approved for NSM
Chair
4. 10/02/23 4:53 pm
Kelly Erby
(kelly.erby):
Approved for CA
Dean
5. 11/14/23 12:32 pm
Bruce Mactavish
(bruce.mactavish):
Approved for
CFCCC Chair
6. 11/21/23 11:15 am
Kelly Erby
(kelly.erby):
Approved for
Assoc Dean CFC

History

1. Apr 21, 2022 by
clmig-jwillging
2. Jul 15, 2022 by
Steve Luoma
(steven.luoma)
3. Jul 15, 2022 by
Steve Luoma
(steven.luoma)
4. Jul 16, 2022 by
Steve Luoma
(steven.luoma)

5. Sep 30, 2022 by Holly Broxterman (holly.broxterman)
6. Apr 19, 2023 by Holly Broxterman (holly.broxterman)
7. May 3, 2023 by Holly Broxterman (holly.broxterman)
8. May 9, 2023 by Holly Broxterman (holly.broxterman)

To conform to the new general education requirements and to ensure the program does not exceed 120 total hours.

General Information

Effective Catalog Edition	2024-2025
Department	Computer Information Sciences
College	College of Arts and Sciences
Division	Natural Science & Mathematics
Degree Level	Undergraduate
Program Title	CM/Comp Info Science: BA
Degree to be Offered	Bachelor of Arts (BA)
Is this program offered completely online?	<u>No</u>

Does this program lead to a teaching certification? No

Is this program an interdisciplinary program? No

CIP Code [11.0101](#) - [11.0101](#)

Admission and Curriculum

Admission Criteria

Total Number of Semester Credit Hours for the Degree

Curriculum

Degree Requirements

Computer Information Science Core

CM 111	Introduction to Structured Programming	4
CM 231	Computer Organization/Assembler Language	3
CM 245	Contemporary Programming Methods	3
CM 261	Networked Systems	3
Subtotal		13

Computer Information Science Required

CM 307	Data Structures & Algorithmic Analysis	3
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<u>CM 322</u>	Operating Systems	3
<u>CM 331</u>	Artificial Intelligence	3
or <u>CM 332</u>	Data Mining	
<u>CM 333</u>	Software Engineering	3
<u>CM 336</u>	Database Management Systems	3
<u>CM 361</u>	Introduction to Cybersecurity	3
<u>CM 465</u>	Computer Information Science Capstone Project	3
Subtotal		21
Computer Information Science Electives		
Upper Division CM electives		6
Subtotal		6
Correlated Courses		
<u>BU 342</u>	Organization & Management	3
or <u>BU 346</u>	Organizational Behavior	
<u>EN 208</u>	Professional Writing	3
<u>CN 150</u>	Public Speaking	3
<u>CN 340</u>	Interviewing	3
or <u>CN 341</u>	Persuasive Speaking	
or <u>CN 342</u>	Communication-Teams and Groups	
<u>EC 200</u>	Principles of Microeconomics	3
<u>EC 201</u>	Principles of Macroeconomics	3
<u>MA 140</u>	Statistics	3
<u>MA 141</u>	Applied Calculus I	3-5
or <u>MA 151</u>	Calculus & Analytic Geometry I	
<u>MA 206</u>	Discrete Mathematics for Computing	3

<u>PH 220</u>	Symbolic Logic	3
Subtotal		24-26
Total Hours		64-66

Students must also meet the Bachelor of Arts University Requirements. Transfer students must complete at least nine upper division hours in Computer Information Sciences from Washburn University.

-

Pathway

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

Supplemental
Files

Reviewer
Comments

Key: 34

Program Change Request

Date Submitted: 10/02/23 10:17 am

Viewing: **CM-DF-BA : CM/Digital Forensics: BA**

Last approved: 05/09/23 11:19 am

Last edit: 10/02/23 10:17 am

Changes proposed by: Nan Sun (nan.sun)

Catalog Pages

Using this

Program

[BA, Computer Information Science with Digital Forensics Concentration](#)

Change Type

Significant

Summarize

Changes and

Include Rationale

In Workflow

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

Approval Path

1. 10/02/23 10:28 am
Holly Broxterman (holly.broxterman):
Approved for Acad Ops
2. 10/02/23 10:41 am
Nan Sun (nan.sun):
Approved for CM Chair

3. 10/02/23 10:42 am
Andrew Herbig
(andrew.herbig):
Approved for NSM
Chair
4. 10/02/23 4:53 pm
Kelly Erby
(kelly.erby):
Approved for CA
Dean
5. 11/14/23 12:32 pm
Bruce Mactavish
(bruce.mactavish):
Approved for
CFCCC Chair
6. 11/21/23 11:15 am
Kelly Erby
(kelly.erby):
Approved for
Assoc Dean CFC

History

1. Apr 21, 2022 by
clmig-jwillging
2. Jul 15, 2022 by
Steve Luoma
(steven.luoma)
3. Sep 30, 2022 by
Holly Broxterman
(holly.broxterman)
4. Apr 19, 2023 by
Holly Broxterman
(holly.broxterman)

- 5. May 4, 2023 by Holly Broxterman (holly.broxterman)
- 6. May 5, 2023 by Holly Broxterman (holly.broxterman)
- 7. May 9, 2023 by Holly Broxterman (holly.broxterman)

To conform to the new general education requirements and to ensure the program does not exceed 120 total hours.

General Information

Effective Catalog Edition	2024-2025
Department	Computer Information Sciences
College	College of Arts and Sciences
Division	Natural Science & Mathematics
Degree Level	Undergraduate
Program Title	CM/Digital Forensics: BA
Degree to be Offered	Bachelor of Arts (BA)
Is this program offered completely online?	
Does this program lead to a teaching	No

certification?

Is this program an interdisciplinary program? No

CIP Code [11.0101](#) - [11.0101](#)

Admission and Curriculum

Admission Criteria

Total Number of Semester Credit Hours for the Degree

Curriculum

Degree Requirements

Computer Information Science Core

CM 111	Introduction to Structured Programming	4
CM 203	Digital Forensics I	3
CM 231	Computer Organization/Assembler Language	3
CM 245	Contemporary Programming Methods	3
CM 261	Networked Systems	3
Subtotal		16

Computer Information Science Required

CM 303	Digital Forensics II	3
CM 307	Data Structures & Algorithmic Analysis	3

<u>CM 322</u>	Operating Systems	3
<u>CM 331</u>	Artificial Intelligence	3
or <u>CM 332</u>	Data Mining	
<u>CM 361</u>	Introduction to Cybersecurity	3
<u>CM 465</u>	Computer Information Science Capstone Project	3
Subtotal		18
Computer Information Science Electives		
Upper Division CM electives		6
Subtotal		6
Correlated Courses		
<u>AN 118</u>	Introduction to Forensic Science	3
or <u>CJ 115</u>	Introduction to Forensic Investigations	
<u>PY 100</u>	Basic Concepts in Psychology	3
<u>EN 208</u>	Professional Writing	3
<u>CJ 325</u>	<u>Applied Criminology</u>	<u>3</u>
or <u>CJ 371</u>	<u>Intro to Forensic Photography</u>	
or <u>CJ 374</u>	<u>Intro to 3-D Scanner</u>	
<u>CN 340</u>	Interviewing	3
or <u>CN 341</u>	Persuasive Speaking	
or <u>CN 342</u>	Communication-Teams and Groups	
<u>MA 140</u>	Statistics	3
<u>MA 141</u>	Applied Calculus I	3-5
or <u>MA 151</u>	Calculus & Analytic Geometry I	
<u>MA 206</u>	Discrete Mathematics for Computing	3
<u>PH 220</u>	Symbolic Logic	3

CN-150	Public Speaking	3
Subtotal		21-23
Total Hours		61-63

Students must also meet the Bachelor of Arts University Requirements. Transfer students must complete at least nine upper division hours in Computer Information Sciences from Washburn University.

Pathway

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

Supplemental Files

Reviewer Comments

Program Change Request

Date Submitted: 10/02/23 10:16 am

Viewing: **CM : CM/Comp Info Science: BS**

Last approved: 05/04/23 4:10 pm

Last edit: 10/02/23 10:16 am

Changes proposed by: Nan Sun (nan.sun)

Catalog Pages

Using this

Program

[BS, Computer Information Science](#)

Change Type

[Significant](#)

Summarize

Changes and

Include Rationale

In Workflow

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

Approval Path

1. 10/02/23 10:28 am
Holly Broxterman (holly.broxterman):
Approved for Acad Ops
2. 10/02/23 10:43 am
Nan Sun (nan.sun):
Approved for CM Chair

3. 10/02/23 10:43 am
Andrew Herbig
(andrew.herbig):
Approved for NSM
Chair
4. 10/02/23 4:51 pm
Kelly Erby
(kelly.erby):
Approved for CA
Dean
5. 11/14/23 12:32 pm
Bruce Mactavish
(bruce.mactavish):
Approved for
CFCCC Chair
6. 11/21/23 11:15 am
Kelly Erby
(kelly.erby):
Approved for
Assoc Dean CFC

History

1. Apr 21, 2022 by
clmig-jwillging
2. Jul 15, 2022 by
Steve Luoma
(steven.luoma)
3. Sep 28, 2022 by
Holly Broxterman
(holly.broxterman)
4. Apr 19, 2023 by
Holly Broxterman
(holly.broxterman)

5. May 4, 2023 by Holly Broxterman (holly.broxterman)
6. May 4, 2023 by Holly Broxterman (holly.broxterman)

To conform to the new general education requirements and to ensure the program is close to 120 hours.

General Information

Effective Catalog Edition	2024-2025
Department	Computer Information Sciences
College	College of Arts and Sciences
Division	Natural Science & Mathematics
Degree Level	Undergraduate
Program Title	CM/Comp Info Science: BS
Degree to be Offered	Bachelor of Science (BS)
Is this program offered completely online?	<u>No</u>
Does this program lead to a teaching certification?	No
Is this program an	No

interdisciplinary
program?

CIP Code [11.0101](#) - [11.0101](#)

Admission and Curriculum

Admission Criteria

Total Number of
Semester Credit
Hours for the
Degree

Curriculum

Degree Requirements

Computer Information Science Core

CM 111	Introduction to Structured Programming	4
CM 231	Computer Organization/Assembler Language	3
CM 245	Contemporary Programming Methods	3
CM 261	Networked Systems	3
Subtotal		13

Computer Information Science Required

CM 307	Data Structures & Algorithmic Analysis	3
CM 322	Operating Systems	3
CM 331	Artificial Intelligence	3
or CM 332	Data Mining	
CM 333	Software Engineering	3

<u>CM 336</u>	Database Management Systems	3
<u>CM 361</u>	Introduction to Cybersecurity	3
<u>CM 465</u>	Computer Information Science Capstone Project	3
Subtotal		21
Computer Information Science Electives		
Any CM electives		6
Upper Division CM electives		6
Subtotal		12
Correlated Courses		
<u>BU 342</u>	Organization & Management	3
or <u>BU 346</u>	Organizational Behavior	
EN 208	Professional Writing	3
CN 150	Public Speaking	3
<u>CN 340</u>	Interviewing	3
or <u>CN 341</u>	Persuasive Speaking	
or <u>CN 342</u>	Communication-Teams and Groups	
<u>EC 200</u>	Principles of Microeconomics	3
or <u>EC 201</u>	Principles of Macroeconomics	
EC 201	Principles of Macroeconomics	3
<u>MA 140</u>	Statistics	3
<u>MA 151</u>	Calculus & Analytic Geometry I	5
<u>MA 206</u>	Discrete Mathematics for Computing	3
<u>PH 220</u>	Symbolic Logic	3
Subtotal		23
Total Hours		69

Students must also meet the Bachelor of Science University Requirements. A 30-hour concentration in the Division of Natural Sciences and Mathematics is required. If the concentration is in Math, the student must take [MA 152](#) Calculus & Analytic Geometry II. At least 20 of these hours must be selected from one discipline. At least 3 hours must be upper division. Transfer students must complete at least nine upper division hours in Computer Information Sciences from Washburn University.

Pathway

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

Supplemental
Files

Reviewer
Comments

Key: 32

Program Change Request

Date Submitted: 10/02/23 10:17 am

Viewing: **CM-DS : CM: Data Science:
Science BS**

Last approved: 05/09/23 11:15 am

Last edit: 10/02/23 10:17 am

Changes proposed by: Nan Sun (nan.sun)

Catalog Pages

Using this

Program

[BS, Computer Information Science with Data Science Concentration](#)

Change Type

[Significant](#)

Summarize

Changes and

Include Rationale

In Workflow

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

Approval Path

1. 10/02/23 10:28 am
Holly Broxterman (holly.broxterman):
Approved for Acad Ops
2. 10/02/23 10:45 am
Nan Sun (nan.sun):
Approved for CM Chair

3. 10/02/23 10:46 am
Andrew Herbig
(andrew.herbig):
Approved for NSM
Chair
4. 10/02/23 4:52 pm
Kelly Erby
(kelly.erby):
Approved for CA
Dean
5. 12/03/23 3:03 pm
Bruce Mactavish
(bruce.mactavish):
Approved for
CFCCC Chair
6. 12/11/23 3:57 pm
Kelly Erby
(kelly.erby):
Approved for
Assoc Dean CFC

History

1. Apr 21, 2022 by
clmig-jwillging
2. Jul 15, 2022 by
Steve Luoma
(steven.luoma)
3. Sep 30, 2022 by
Holly Broxterman
(holly.broxterman)
4. May 4, 2023 by
Holly Broxterman
(holly.broxterman)

5. May 4, 2023 by Holly Broxterman (holly.broxterman)
6. May 5, 2023 by Holly Broxterman (holly.broxterman)
7. May 9, 2023 by Holly Broxterman (holly.broxterman)

To conform to the new general education requirements and to ensure the program is close to 120 total hours.

General Information

Effective Catalog Edition	2024-2025
Department	Computer Information Sciences
College	College of Arts and Sciences
Division	Natural Science & Mathematics
Degree Level	Undergraduate
Program Title	CM: Data <u>Science</u> : Science <u>BS</u>
Degree to be Offered	Bachelor of Science (BS)
Is this program offered completely online?	<u>No</u>
Does this program lead to a teaching	No

certification?

Is this program an interdisciplinary program? No

CIP Code [11.0101](#) - [11.0101](#)

Admission and Curriculum

Admission Criteria

Total Number of Semester Credit Hours for the Degree

Curriculum

Degree Requirements

Computer Information Science Core

CM 111	Introduction to Structured Programming	4
CM 231	Computer Organization/Assembler Language	3
CM 245	Contemporary Programming Methods	3
CM 261	Networked Systems	3
Subtotal		13

Computer Information Science Required

CM 307	Data Structures & Algorithmic Analysis	3
CM 322	Operating Systems	3
CM 331	Artificial Intelligence	3

or <u>CM 332</u>	Data Mining	
<u>CM 333</u>	Software Engineering	3
<u>CM 334</u>	Modeling with VBA/Excel	3
<u>CM 336</u>	Database Management Systems	3
<u>CM 465</u>	Computer Information Science Capstone Project	3
Subtotal		21
Computer Information Science Electives		
Any CM electives		6
Upper Division CM electives		6
Subtotal		12
Correlated Courses		
<u>BU 342</u>	Organization & Management	3
or <u>BU 346</u>	Organizational Behavior	
EN 208	Professional Writing	3
CN 150	Public Speaking	3
<u>CN 340</u>	Interviewing	3
or <u>CN 341</u>	Persuasive Speaking	
or <u>CN 342</u>	Communication-Teams and Groups	
<u>EC 200</u>	Principles of Microeconomics	3
or <u>EC 201</u>	Principles of Macroeconomics	
EC 201	Principles of Macroeconomics	3
<u>MA 140</u>	Statistics	3
<u>MA 151</u>	Calculus & Analytic Geometry I	5
MA 152	Calculus & Analytic Geometry II	5
<u>MA 206</u>	Discrete Mathematics for Computing	3

MA 301	Linear Algebra	3
MA 346	Regression Analysis	3
or MA 342	Statistical Computing	
MA 384	Theory of Interest	3
or MA 344	Mathematical Statistics I	
PH 220	Symbolic Logic	3
Subtotal		32
Total Hours		78

Students must also meet the Bachelor of Science University Requirements. A 30-hour concentration in the Division of Natural Sciences and Mathematics is required. If the concentration is in Math, the student must take [MA 152](#) Calculus & Analytic Geometry II. At least 20 of these hours must be selected from one discipline. Transfer students must complete at least nine upper division hours in computer information sciences from Washburn University.

Pathway

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

Supplemental
Files

Reviewer
Comments

Program Change Request

Date Submitted: 09/05/23 9:59 am

Viewing: **EN-CW : Creative Writing**

Last approved: 10/07/22 10:30 am

Last edit: 09/08/23 10:15 am

Changes proposed by: Melanie Burdick (melanie.burdick)

Catalog Pages

Using this

Program

[Creative Writing, BA](#)

Change Type

Significant

Summarize

Changes and

Include Rationale

In Workflow

1. Acad Ops
2. EN Chair
3. Library
4. HUM 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. 09/05/23 10:49 am
Holly Broxterman (holly.broxterman): Approved for Acad Ops
2. 09/05/23 11:06 am
Melanie Burdick (melanie.burdick): Approved for EN Chair

3. 09/05/23 11:26 am
Sean Bird
(sean.bird):
Approved for
Library
4. 09/21/23 4:47 pm
Ian Smith1
(ian.smith1):
Approved for HUM
Chair
5. 09/25/23 9:00 pm
Kelly Erby
(kelly.erby):
Approved for CA
Dean
6. 10/03/23 9:41 am
Bruce Mactavish
(bruce.mactavish):
Approved for
CFCCC Chair
7. 10/04/23 9:44 pm
Maria Stover
(maria.stover):
Approved for
Assoc Dean CFC
8. 10/05/23 7:38 am
Maria Stover
(maria.stover):
Approved for CA
Assoc Dean
9. 10/05/23 12:18
pm
Beth ONeill
(beth.oneill):
Rollback to Assoc

Dean CFC for
Governance
Check

10. 11/21/23 11:15 am
Kelly Erby
(kelly.erby):
Approved for
Assoc Dean CFC

History

1. Oct 7, 2022 by
Holly Broxterman
(holly.broxterman)
2. Oct 7, 2022 by
Holly Broxterman
(holly.broxterman)

Due to the new general education requirements, students will now be required to complete a minor, certificate, or additional major. This will replace the general education credit hours that are no longer required, and it will allow students to choose a complementary area of study.

((Holly 9/8/23: Completed revisions according to new standardization approved by Deans and Provost Office))

General Information

Effective Catalog Edition	2024-2025
Department	English
College	College of Arts and Sciences
Division	Humanities
Degree Level	Undergraduate

Program Title	Creative Writing
Degree to be Offered	Bachelor of Arts (BA)
Is this program offered completely online?	<u>No</u>
Does this program lead to a teaching certification?	No
Is this program an interdisciplinary program?	No
CIP Code	<u>231302 - Creative Writing.</u>

Admission and Curriculum

Admission Criteria

Total Number of Semester Credit Hours for the Degree

Curriculum

Degree Requirements

In addition to the requirements stated below, students must complete 34-35 hours of General Education, all requirements for a Bachelor of Arts degree, and any additional hours needed to reach the 120 credit hours required for graduation.

In addition, all English (BA) majors must complete a complementary minor, certificate, or additional major; students must declare this with the department that grants it.

Required Courses Inside Department

<u>EN 105</u>	Introduction to English Studies	3
<u>EN 206</u>	Beginning Poetry Writing	3
<u>EN 207</u>	Beginning Nonfiction Writing	3
<u>EN 209</u>	Beginning Fiction Writing	3
<u>EN 301</u>	Literary Criticism & Theory	3
<u>EN 310</u>	English Grammar/Linguistics	3
<u>EN 315</u>	Reading as Writers	3
<u>EN 384</u>	Publishing Lab (the capstone for writing majors)	3
Subtotal		24

~~Additional Courses~~

Select two of the following: 6

<u>EN 305</u>	Advanced Fiction Writing	
<u>EN 306</u>	Advanced Poetry Writing	
<u>EN 307</u>	Advanced Nonfiction Writing	

Select three of the following (at least one from each area): 9

British Literature		
<u>EN 325</u>	British Lit through 1785	
<u>EN 326</u>	British Literature since 1785	
American Literature		
<u>EN 330</u>	American Literature through 1865	
<u>EN 331</u>	American Literature since 1865	
World Literature		

EN 360

World Literature through 1650

EN 361

World Literature since 1650

One writing or literature correlate course from outside the major ¹	3
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Subtotal	18
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Total Hours	42
--------------------	-----------

1

Chose in consultation with advisor and department chair

~~Degree Requirements Thirty-nine total English hours required, including core requirements, but excluding EN 101 First Year Writing and EN 300 Advanced College Writing. The Creative Writing emphasis major's field program should look as follows:~~

Pathway

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

They do not. The requirement is for additional coursework mainly outside the department.

Supplemental
Files

Reviewer

Comments

Beth O'Neill (beth.oneill) (10/05/23 12:18 pm): Rollback: Approval completed in error.

Key: 345

Program Change Request

Date Submitted: 09/12/23 1:16 pm

Viewing: **RG : Religious Studies Religion**

Last approved: 01/24/23 3:14 pm

Last edit: 09/26/23 3:14 pm

Changes proposed by: Ian Smith1 (ian.smith1)

Catalog Pages

Using this

Program

Religious Studies, BA

Change Type

Significant

Summarize

Changes and

Include Rationale

In Workflow

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

Approval Path

1. 09/12/23 1:41 pm
Holly Broxterman (holly.broxterman):
Approved for Acad Ops
2. 09/12/23 4:04 pm
Ian Smith1 (ian.smith1):
Approved for PH Chair

3. 09/13/23 2:33 pm
Ian Smith1
(ian.smith1):
Approved for
PHRG Chair
4. 09/13/23 4:36 pm
Sean Bird
(sean.bird):
Approved for
Library
5. 09/21/23 4:49 pm
Ian Smith1
(ian.smith1):
Approved for HUM
Chair
6. 09/26/23 11:39 am
Kelly Erby
(kelly.erby):
Approved for CA
Dean
7. 11/14/23 12:42 pm
Bruce Mactavish
(bruce.mactavish):
Approved for
CFCCC Chair
8. 11/21/23 11:16 am
Kelly Erby
(kelly.erby):
Approved for
Assoc Dean CFC

History

1. Apr 21, 2022 by
clmig-jwillging

2. Jul 14, 2022 by Steve Luoma (steven.luoma)
3. Jul 14, 2022 by Steve Luoma (steven.luoma)
4. Sep 28, 2022 by Holly Broxterman (holly.broxterman)
5. Jan 24, 2023 by Steve Luoma (steven.luoma)
6. Jan 24, 2023 by Steve Luoma (steven.luoma)

Rationale for minor, certificate, or second major requirement: Graduates in liberal arts disciplines should be well-rounded, and that requires depth as well as breadth.

Disciplines across the University, and especially within the College, should actively support one another by requiring their students to explore outside of their majors. The reduction in general education requirements means that students will have more opportunity to explore disciplines outside of their majors, and we think that their exploration will be more fruitful if they do that within particular disciplinary structures. More to the point, we are committed to positioning our graduates to be successful on the job market, and we believe that having distinct minors, double majors, and certificates will be more beneficial to them.

((Holly 9/12/23: Completed revisions according to new standardization approved by Deans and Provost Office))

General Information

Effective Catalog 2024-2025
Edition

Department	<u>Philosophy & Religious Studies</u> Philosophy
College	College of Arts and Sciences
Division	Humanities
Degree Level	Undergraduate
Program Title	<u>Religious Studies</u> Religion
Degree to be Offered	Bachelor of Arts (BA)
Is this program offered completely online?	<u>No</u>
Does this program lead to a teaching certification?	No
Is this program an interdisciplinary program?	No
CIP Code	<u>380201 - Religion/Religious Studies.</u>

Admission and Curriculum

Admission Criteria

Total Number of Semester Credit Hours for the Degree

Curriculum

Degree Requirements

In addition to the requirements stated below, students must complete 34-35 hours of General Education, all requirements for a Bachelor of Arts 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. In addition, all Religious Studies majors must declare and then meet the requirements for a minor, a second major, or a certificate in order to graduate.

Required Courses Inside Department

RG 101	Introduction to the Study of Religion	3
RG 102	World Religions	3
RG 331	Understanding Religion	3
RG 398	Capstone Preparation	3
RG 399	Religious Studies Capstone	3
Choose one of the following:		3
PH 100	Introduction to Philosophy	
PH 201	Corrupting the Youth: Ancient Greek Philosophy	
PH 203	Introduction to Buddhist Philosophy	
PH 207	Existence of God	
PH 301	I think therefore I am? Modern Philosophy 1600-1800	3
Subtotal		24
Subtotal		0

Additional Required Courses

Select additional courses ¹		12
Subtotal		12

~~Correlated Courses~~

Total Hours

33

1

At least nine must be RG and at least nine must be upper division courses. *External courses require advisor's prior approval.*

~~Degree Requirements~~

Pathway

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

N/A

Supplemental
Files

Reviewer
Comments

Key: 180

Program Change Request

Date Submitted: 11/10/23 4:13 pm

Viewing: **BI-MNR : Biology Minor**

Last approved: 09/30/22 9:34 am

Last edit: 11/10/23 4:13 pm

Changes proposed by: John Mullican (john.mullican)

Catalog Pages

Using this

Program

[Biology, Minor](#)

Change Type

Significant

Summarize

Changes and

Include Rationale

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. 11/10/23 4:17 pm
Holly Broxterman
(holly.broxterman):
Approved for Acad
Ops
2. 11/13/23 10:28 am
John Mullican
(john.mullican):
Approved for BI
Chair
3. 11/13/23 10:43 am

Sean Bird
(sean.bird):
Approved for
Library

4. 11/17/23 3:29 pm
Andrew Herbig
(andrew.herbig):
Approved for NSM
Chair
5. 11/28/23 12:36 pm
Kelly Erby
(kelly.erby):
Approved for CA
Dean

History

1. Jun 13, 2022 by
Joseph Desota
(joseph.desota)
2. Jul 11, 2022 by
Steve Luoma
(steven.luoma)
3. Jul 16, 2022 by
Steve Luoma
(steven.luoma)
4. Jul 16, 2022 by
Steve Luoma
(steven.luoma)
5. Sep 30, 2022 by
Holly Broxterman
(holly.broxterman)
6. Sep 30, 2022 by
Holly Broxterman
(holly.broxterman)

We are reducing the number of credit hours from 20 to 17 with 7 hours as upper division. Previously, 8 hours of upper division were required. The rationale is that many students who select the minor generally take 7 hours of upper division coursework (1 3-credit hour course and 1 4-credit hour course) after taking the required 10 hours of lower division coursework. We do not currently offer a 1-credit hour upper division course that is meant for non-majors to fulfill that final 1 credit of upper division biology.

General Information

Effective Catalog Edition	2024-2025
Department	Biology
College	College of Arts and Sciences
Division	Natural Science & Mathematics
Degree Level	Undergraduate
Program Title	Biology Minor
Degree to be Offered	Minor (MINOR)
Is this program offered completely online?	<u>No</u>
Does this program lead to a teaching certification?	No
Is this program an interdisciplinary program?	No
CIP Code	<u>260101 - Biology/Biological Sciences.</u>

General.

Admission and Curriculum

Admission Criteria

Total Number of
Semester Credit
Hours for the
Degree

Curriculum

Minor Requirements

(optional minor for the Bachelor of Arts degree)

To minor in Biology the student must apply to the Department and be assigned a Biology advisor. The ~~17-hour~~ ~~twenty-hour~~ minimum must be met with course work appropriate for Biology majors with at least ~~7~~ ~~8~~ hours of upper-division biology coursework. No fewer than ~~7~~ ~~10~~ hours of this minor must have been completed at Washburn University. Students must have a grade of C or better in each course taken to fulfill the minor.

Required Courses Inside Department

BI 102	General Cellular Biology	5
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BI 103	General Organismal Biology	5
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~~Elective BI courses~~

<u>BI 192</u>	<u>General Cellular Biology</u>	<u>5</u>
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<u>BI 194</u>	<u>General Organismal Biology</u>	<u>5</u>
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At least two 300-level or higher elective BI courses	7
------------------------------------------------------	---

~~Subtotal~~

Total Hours	17
-------------	----

Pathway

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

Supplemental
Files

Reviewer
Comments

Key: 283

Program Change Request

Date Submitted: 11/13/23 4:47 pm

Viewing: **EB-BA : BI: Environmental
Biology BA**

Last approved: 09/30/22 11:54 am

Last edit: 12/13/23 10:29 am

Changes proposed by: John Mullican (john.mullican)

Catalog Pages

Using this

Program

[Environmental Biology, BA and BS](#)

Change Type

Significant

Summarize

Changes and

Include Rationale

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 5:12 pm
Holly Broxterman
(holly.broxterman):
Approved for Acad
Ops
2. 11/13/23 5:30 pm
John Mullican
(john.mullican):
Approved for BI
Chair
3. 11/13/23 6:03 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 12:33 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 4:43 pm
Andrew Herbig
(andrew.herbig):
Approved for NSM
Chair

10. 01/09/24 9:21 am
 Kelly Erby
 (kelly.erby):
 Approved for CA
 Dean

History

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

We are making a few changes to the Environmental Biology major for both the BA and BS degrees. Now that this major is a decade old, it is time to update the program with some minor changes that also 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 203 and BI 314 as required courses, removing MA 140 as a required course, removing an additional math course, and reducing elective credits to 10 (from 15).

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: Environmental Biology BA
Degree to be	Bachelor of Arts (BA)

Offered

Is this program offered completely online? No

Does this program lead to a teaching certification? No

Is this program an interdisciplinary program? No

CIP Code 261305 - Environmental Biology.

Admission and Curriculum

Admission Criteria

Total Number of Semester Credit Hours for the Degree

Curriculum

Degree Requirements

Environmental Biology, BA

In addition to the requirements stated below, students must complete 34-35 hours of General Education, all requirements for a Bachelor of Arts 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 203</u>	<u>Human Impact on the Environment</u>	<u>3</u>
<u>BI 310</u>	Ecology	4
<u>BI 314</u>	<u>Statistics for Biologists</u>	<u>3</u>
<u>BI 333</u>	General Genetics	4
<u>BI 340</u>	Evolutionary Biology	3
<u>BI 390</u>	Biology Seminar (Capstone Course)	1
<u>BI 395</u>	Research in Biology (Capstone Course)	1
<u>Biology Electives ¹</u>		<u>10</u>
Subtotal		39

Required Courses Outside Department

~~biology electives/-⁺~~ ~~15~~

~~Non-Biology Course~~

<u>CH 151</u> & <u>CH 152</u>	Fundamentals of Chemistry I and Fundamentals of Chemistry II	10
<u>CH 340</u> & <u>CH 342</u>	Organic Chemistry I and Organic Chemistry Lab I	5

~~Additional Math Course~~

MA 140	Statistics	3-5
or MA 151	Calculus & Analytic Geometry I	

SubtotalMA 116College Algebra3

Select one of the following physics sequences:

10

PS 261

College Physics I

& PS 262

and College Physics II

PS 281

General Physics I

& PS 282

and General Physics II

Total Hours

67

1

With a minimum of 7 hours from the Organismal Biology Elective list, with at least 1 course from Field Electives Section.

~~Environmental Biology, BA The Bachelor of Arts (BA) degree in Environmental Biology requires a minimum of 38 hours in Biology: the 23-hour Environmental Biology core and 15 additional credit hours of biology electives with a minimum of 10 hours from the Organismal Biology Elective list, with at least 1 course from the Field Electives Section. The BA degree in Environmental Biology requires a minimum of 120 credit hours to graduate.~~

Pathway

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

Supplemental
Files

Reviewer

Comments

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.

John Mullican (john.mullican) (11/30/23 12:45 pm): Adding MA 116 as a program requirement.

Key: 51

Program Change Request

Date Submitted: 11/13/23 4:47 pm

Viewing: **EB-BS : BI: Environmental
Biology BS**

Last approved: 09/30/22 11:54 am

Last edit: 12/13/23 10:29 am

Changes proposed by: John Mullican (john.mullican)

Catalog Pages

Using this

Program

[Environmental Biology, BA and BS](#)

Change Type

Significant

Summarize

Changes and

Include Rationale

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 5:12 pm
Holly Broxterman
(holly.broxterman):
Approved for Acad
Ops
2. 11/13/23 5:30 pm
John Mullican
(john.mullican):
Approved for BI
Chair
3. 11/13/23 6:02 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 12:33 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
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John Mullican
(john.mullican):
Approved for BI
Chair
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(sean.bird):
Approved for
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Andrew Herbig
(andrew.herbig):
Approved for NSM
Chair

10. 01/09/24 9:21 am
Kelly Erby
(kelly.erby):
Approved for CA
Dean

History

1. Apr 21, 2022 by
clmig-jwillging
2. Jul 11, 2022 by
Steve Luoma
(steven.luoma)
3. Sep 30, 2022 by
Holly Broxterman
(holly.broxterman)

We are making a few changes to the Environmental Biology major for both the BA and BS degrees. Now that this major is a decade old, it is time to update the program with some minor changes that also address the new General Education requirements. For the BS, these changes include updating course number changes (BI 102 to BI 192, and BI 103 to BI 194), adding BI 203 and BI 314 as required courses, removing MA 140 as a required course, and reducing elective credits to 16 (from 21).

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: Environmental Biology BS

Degree to be Offered	Bachelor of Science (BS)
Is this program offered completely online?	<u>No</u>
Does this program lead to a teaching certification?	No
Is this program an interdisciplinary program?	No
CIP Code	<u>261305 - Environmental Biology.</u>

Admission and Curriculum

Admission Criteria

Total Number of Semester Credit Hours for the Degree

Curriculum

Degree Requirements

Environmental Biology, BS

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 203</u>	<u>Human Impact on the Environment</u>	<u>3</u>
<u>BI 310</u>	Ecology	4
<u>BI 314</u>	Statistics for Biologists	3
MA 140	Statistics	

~~Additional Math Course~~

<u>BI 333</u>	General Genetics	4
<u>BI 340</u>	Evolutionary Biology	3
<u>BI 390</u>	Biology Seminar (Capstone Course)	1
<u>BI 395</u>	Research in Biology (Capstone Course)	1
<u>biology electives/</u> ¹		16

~~Non-Biology Course~~

Required Courses Outside Department

<u>CH 151</u> & <u>CH 152</u>	Fundamentals of Chemistry I and Fundamentals of Chemistry II	10
<u>CH 340</u> & <u>CH 342</u>	Organic Chemistry I and Organic Chemistry Lab I	5

~~Quantitative Course~~

Select one of the following:		3
<u>MA 116</u>	<u>College Algebra</u>	<u>3</u>

<u>MA 151</u>	Calculus & Analytic Geometry I	5
Natural Sciences Concentration		
complete natural sciences concentration/ ²		5
Select one of the following physics sequences:		10
<u>PS 261</u> & <u>PS 262</u>	College Physics I and College Physics II	
<u>PS 281</u> & <u>PS 282</u>	General Physics I and General Physics II	
Total Hours		78

¹ With a minimum of 11 hours from the Organismal Biology Elective list, with at least 1 course from the Field Electives Section.

² ~~Typically, this is satisfied by completing the non-Biology required correlate courses plus 5 additional credits of Chemistry coursework~~

~~**Environmental Biology, BS The Bachelor of Science (BS) degree in Environmental Biology requires a minimum of 44 hours in Biology: the 23-hour Environmental Biology core, 21 additional credit hours of biology electives with a minimum of 14 hours from the Organismal Biology Elective list, with at least 1 course from Field Electives Section, plus a 3 credit hour quantitative course. The BS degree also requires a 30-hour Concentration to be chosen from the Natural Sciences (Biology, Chemistry, Mathematics & Statistics, Physics & Astronomy, or Computer Information Science). The BS degree in Environmental Biology requires a minimum of 120 credit hours**~~

~~to graduate. Natural Sciences Concentration The BS degree also requires a 30-hour Concentration to be chosen from the Natural Sciences (Biology, Chemistry, Mathematics & Statistics, Physics & Astronomy, or Computer Information Science. This Natural Sciences Concentration must be in departments other than the major, and must have at least 20 hours in one department. Natural Sciences Concentrations for the BS degree are limited to these courses: Fundamentals of Chemistry IGH 151 or above, College Physics IPS 261 or above, College Algebra MA 116 or above, Introduction to Structured Programming CM 111 or above. Elective Supportive Organismal Courses for the BA/BS degree in Environmental Biology:~~

<u>BI 301</u>	General Microbiology	4
<u>BI 303</u>	Invertebrate Zoology	4
<u>BI 305</u>	Parasitology	4
BI 314	Statistics for Biologists	3
<u>BI 322</u>	Advanced General Botany	4
<u>BI 328</u>	Plant Anatomy and Physiology	3
<u>BI 330</u>	Animal Physiology	4
<u>GG 300</u>	Special Topics/Geography (Introduction to GIS)	3
Field Electives Section		

BI 300	Field Biology	3
BI 302	Entomology	4
BI 311	Field Ecology	3
BI 312	Behavioral Ecology	4
BI 315	Vertebrate Zoology	4
BI 324	Systematic Botany	3

Pathway

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

Supplemental
Files

Reviewer

Comments

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.

John Mullican (john.mullican) (11/30/23 12:45 pm): Adding MA 116 as a program requirement.

Key: 52

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: 11/30/23 12:46 pm

Changes proposed by: John Mullican (john.mullican)

Catalog Pages

Using this

Program

[Forensic Biology, BS](#)

Change Type

Significant

Summarize

Changes and

Include Rationale

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

History

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

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?	<u>No</u>
Does this program lead to a teaching certification?	No
Is this program an interdisciplinary program?	No
CIP Code	<u>430106 - Forensic Science and Technology.</u>

Admission and Curriculum

Admission Criteria

Total Number of Semester Credit Hours for the Degree

Curriculum

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>
<u>BI 314</u>	Statistics for Biologists	3
<u>BI 333</u>	General Genetics	4
<u>BI 353</u>	Molecular Genetics	3
<u>BI 354</u>	Molecular Biology Laboratory	3
<u>BI 390</u>	Biology Seminar	1
<u>BI 395</u>	Research in Biology (Capstone Course)	3
<u>BI 420</u>	Forensic Molecular Biology	4

Required Courses Outside Department

BI electives (300-level or higher)		11
<u>CH 151</u>	Fundamentals of Chemistry I	5
<u>CH 152</u>	<u>Fundamentals of Chemistry II</u>	<u>5</u>
<u>CH 202</u>	Professional Forensic Science Seminar	2
<u>CH 323</u>	Advanced Forensic Chemistry	4
<u>CH 340</u>	Organic Chemistry I	3
<u>CH 342</u>	<u>Organic Chemistry Lab I</u>	<u>2</u>
<u>CH 341</u>	Organic Chemistry II	3
<u>CH 343</u>	<u>Organic Chemistry Lab II</u>	<u>2</u>
<u>CJ 115</u>	Introduction to Forensic Investigations	3

CJ 410	Criminal Procedure and Evidence	3
<u>CJ 415</u>	Advanced Forensic Investigations	3
<u>CJ 416</u>	Forensic Applied Science Laboratory	3
<u>MA 116</u>	<u>College Algebra</u>	<u>3</u>
<u>MA 151</u>	Calculus & Analytic Geometry I	5
<u>PH 102</u>	Ethics: Introduction to Moral Problems	3
or <u>PH 214</u>	Medical Ethics	
Select one of the following physics sequences:		10
<u>PS 261</u> & <u>PS 262</u>	College Physics I and College Physics II (1 year with lab)	
<u>PS 281</u> & <u>PS 282</u>	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>
<u>BI 362</u> & <u>BI 363</u>	<u>Immunology</u> <u>and Immunology Laboratory</u>	
<u>CH 350</u> & <u>CH 351</u>	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

Comments

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.

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

Key: 81

Program Change Request

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

Viewing: **MB-BS : BI: Molecular Bio & Biotech BS**

Last approved: 09/30/22 12:04 pm

Last edit: 11/30/23 12:46 pm

Changes proposed by: John Mullican (john.mullican)

Catalog Pages

Using this

Program

[Molecular Biology and Biotechnology, BS](#)

Change Type

Significant

Summarize

Changes and

Include Rationale

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
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Approved for
Library
4. 11/17/23 3:30 pm
Andrew Herbig
(andrew.herbig):
Approved for NSM
Chair
5. 11/28/23 12:46 pm
Kelly Erby
(kelly.erby):
Approved for CA
Dean
6. 11/30/23 12:38 pm
Holly Broxterman
(holly.broxterman):
Rollback to BI
Chair for CFCCC
Chair
7. 11/30/23 12:46 pm
John Mullican
(john.mullican):
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Sean Bird
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Chair

10. 01/09/24 9:23 am
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 (kelly.erby):
 Approved for CA
 Dean

History

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

We are making a number of changes to the Molecular Biology & Biotechnology major to address the new General Education requirements and to update the curriculum now that the program is about 10 years old. These changes include updating course number changes (BI 102 to BI 192, and BI 103 to BI 194), adding BI 314 as a required course, removing MA 140 as a required course, providing a math option (MA 117, MA 123, or MA 151), and reducing elective credits to 6 (from 8),

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: Molecular Bio & Biotech 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

Is this program an interdisciplinary program? No

CIP Code 260204 - Molecular Biology.

Admission and Curriculum

Admission Criteria

Total Number of Semester Credit Hours for the Degree

Curriculum

Degree Requirements

In addition to the requirements stated below, students must complete 34-35 ~~The Bachelor of Science (BS) degree in Molecular Biology and Biotechnology (MBB) requires a 34-hour BI core, 44~~ 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 ~~non-biology courses, and 8 additional BI or other degree requirements. Please see your advisor for more information. CH hours elective hours.~~

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 234</u>	Introduction to Biotechnology	3
<u>BI 301</u>	General Microbiology	4
<u>BI 314</u>	<u>Statistics for Biologists</u>	<u>3</u>
<u>BI 333</u>	General Genetics	4
<u>BI 353</u>	Molecular Genetics	3
<u>BI 354</u>	Molecular Biology Laboratory	3
<u>BI 390</u>	Biology Seminar	1
<u>BI 395</u>	Research in Biology	3
<u>BI 440</u>	Biotechnology Internship	3
Subtotal		37

Required Courses Outside Department

<u>CH 151</u> & <u>CH 152</u>	Fundamentals of Chemistry I and Fundamentals of Chemistry II (1 year with lab)	10
<u>CH 340</u> & <u>CH 342</u>	Organic Chemistry I and Organic Chemistry Lab I (with lab)	5
<u>CH 341</u>	Organic Chemistry II	3
<u>CH 350</u> & <u>CH 351</u>	Biochemistry I and Biochemistry Lab (1 semester with lab)	5
MA 140	Statistics	3
MA 151	Calculus & Analytic Geometry I	5
<u>MA 116</u>	<u>College Algebra</u>	<u>3</u>

<u>MA 117</u>	<u>Trigonometry</u>	<u>3-5</u>
or <u>MA 123</u>	<u>Pre-Calculus</u>	
or <u>MA 151</u>	<u>Calculus & Analytic Geometry I</u>	
<u>PH 214</u>	Medical Ethics	3
or <u>PH 317</u>	Ethics of Genetic Technologies	
Select one of the following physics sequences:		10
<u>PS 261</u> & <u>PS 262</u>	College Physics I and College Physics II (1 year with lab)	
<u>PS 281</u> & <u>PS 282</u>	General Physics I and General Physics II (1 year with lab)	
Subtotal		42-44
Additional Required Courses		
<u>elective supportive courses/</u>		6
Subtotal		6
Total Hours		85-87

~~The non-biology coursework for the BS in MBB satisfies the 30-hour Natural Sciences Concentration. The BS degree in Molecular Biology and Biotechnology requires a minimum of 120 credit hours to graduate.~~ **Elective Supportive Courses**

<u>BI 322</u>	Advanced General Botany	4
<u>BI 325</u>	Microbiology of Human Disease	5
<u>BI 328</u>	Plant Anatomy and Physiology	3
<u>BI 330</u>	Animal Physiology	4

BI 343	Human Genetics	3
BI 355	Developmental Biology	5
BI 357	Histology	4
BI 362	Immunology	3
BI 363	Immunology Laboratory	2
BI 370	Virology	3
BI 420	Forensic Molecular Biology	4
CH 343	Organic Chemistry Lab II	2
CH 352	Biochemistry II	3
CH 353	Biochemistry Laboratory II	2

Pathway

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

Supplemental Files

Reviewer

Comments

Holly Broxterman (holly.broxterman) (11/30/23 12:38 pm): Rollback: Need to add MA 116 to 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.

Key: 142

Program Change Request

Date Submitted: 11/06/23 3:40 pm

Viewing: **CN : CN: Communication Major**

Last approved: 11/02/23 10:39 am

Last edit: 01/19/24 10:17 am

Changes proposed by: Jim Schnoebelen (jim.schnoebelen)

Catalog Pages

Using this

Program

[Communication Studies, BA](#)

Change Type **Not** Significant

Summarize

Changes and

Include Rationale

In Workflow

1. Acad Ops
2. CN Chair
3. Library
4. HUM 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. 11/06/23 4:22 pm
Beth ONeill
(beth.oneill):
Approved for Acad Ops
2. 11/06/23 4:26 pm
Jim Schnoebelen
(jim.schnoebelen):
Approved for CN Chair
3. 11/06/23 6:34 pm

Sean Bird
(sean.bird):
Approved for
Library

4. 11/14/23 8:53 pm

Ian Smith1
(ian.smith1):
Approved for HUM
Chair

5. 11/28/23 11:52 am

Kelly Erby
(kelly.erby):
Approved for CA
Dean

History

1. Apr 21, 2022 by
clmig-jwillging
2. Jul 19, 2022 by
Steve Luoma
(steven.luoma)
3. Mar 29, 2023 by
Jim Schnoebelen
(jim.schnoebelen)
4. Aug 22, 2023 by
Holly Broxterman
(holly.broxterman)
5. Nov 2, 2023 by
Holly Broxterman
(holly.broxterman)

Due to the new general education requirements, students will now be required to complete a minor, certificate, or additional major. This will replace the general education credit hours that are no longer required and allow students to choose a complementary

area of study.

General Information

Effective Catalog Edition	2024-2025
Department	Communication Studies
College	College of Arts and Sciences
Division	Humanities
Degree Level	Undergraduate
Program Title	CN: Communication Major
Degree to be Offered	Bachelor of Arts (BA)
Is this program offered completely online?	<u>Yes</u>
Does this program lead to a teaching certification?	No
Is this program an interdisciplinary program?	No
CIP Code	090100 - Communication, General.

Admission and Curriculum

Admission Criteria

Total Number of
Semester Credit
Hours for the
Degree
Curriculum

Degree Requirements

In addition to the requirements stated below, students must complete 34-35 hours of General Education, all requirements for a [Bachelor of Arts](#) 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.

In addition, all Communication (BA) majors must complete a complementary minor, certificate, or additional major; students must declare this with the department that grants it.

Required Courses Inside Department ¹

CN 101	Introduction to Communication Studies	3
CN 150	Public Speaking	3
CN 302	Communication Theory	3
CN 303	Research Methods	3
or CN 304	Qualitative Communication Research Methods	
or CN 305	Quantitative Communication Research Methods	
CN 498	Senior Capstone	3
or CN 491	Senior Capstone Internship	
Elective Courses - Select 21 hours from the following:		21
CN 154	Debate ²	
or CN 343	Debate	
CN 306	Health Communication	
CN 307	Communication in Legal Process	

<u>CN 308</u>	Organizational Communication
<u>CN 309</u>	Political Communication
<u>CN 330</u>	Communication in Conflict and Negotiation
<u>CN 340</u>	Interviewing
<u>CN 341</u>	Persuasive Speaking
<u>CN 342</u>	Communication-Teams and Groups
<u>CN 350</u>	Persuasion
<u>CN 351</u>	Special Topics in Interpersonal Communication
<u>CN 352</u>	Truth and Deception
<u>CN 353</u>	Environmental Communication
<u>CN 354</u>	Reputation Management
<u>CN 361</u>	Communication in Social Movements
<u>CN 362</u>	Sexual Communication
<u>CN 363</u>	Intercultural Communication
<u>CN 364</u>	Gender Communication
<u>CN 365</u>	Business/Professional Presentation
<u>CN 366</u>	Nonverbal Communication
<u>CN 367</u>	Crisis Communication
<u>CN 368</u>	The Rhetoric of Hip Hop and Rock n Roll
<u>CN 369</u>	Critical Studies
<u>CN 370</u>	Communication Training & Development
<u>CN 395</u>	Special Topics/Communication
<u>CN 490</u>	Directed Research

Total Hours

36

1

Majors are not limited to 36 hours.

Note:

~~Majors are not limited to 36 hours. Also, students are encouraged to consider a minor, but a minor is not required.~~

2

Limit of 3 hours can count toward the major.

Pathway

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

Supplemental
Files

Reviewer
Comments

Key: 37

Program Change Request

Date Submitted: 11/13/23 10:20 am

Viewing: **EGP : Engineering-Physics**

Last approved: 10/17/23 12:05 pm

Last edit: 11/14/23 9:39 am

Changes proposed by: Karen Camarda (karen.camarda)

Catalog Pages

Using this

Program

[Engineering Physics, AS](#)

Change Type

Significant

Summarize

Changes and

Include Rationale

In Workflow

1. Acad Ops
2. PS Chair
3. Library
4. NSM Chair
5. CA Dean
6. CFCCC Chair
7. Assoc Dean CFC
8. CA Assoc Dean
9. Governance
Check
10. Final Acad Ops
11. Registrar

Approval Path

1. 11/13/23 1:53 pm
Holly Broxterman
(holly.broxterman):
Approved for Acad
Ops
2. 11/13/23 2:31 pm
Karen Camarda
(karen.camarda):
Approved for PS
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. 11/29/23 9:04 pm
Kelly Erby
(kelly.erby):
Approved for CA
Dean

History

1. Apr 21, 2022 by
clmig-jwillging
2. Sep 30, 2022 by
Holly Broxterman
(holly.broxterman)
3. Oct 17, 2023 by
Holly Broxterman
(holly.broxterman)
4. Oct 17, 2023 by
Holly Broxterman
(holly.broxterman)

Most electives and EG 303 are being removed from this degree program to make room for the new general education requirements.

((Holly 10/17/23: Completed revisions according to new standardization approved by Deans and Provost Office))

General Information

Effective Catalog 2024-2025
Edition

Department	Physics and Astronomy
College	College of Arts and Sciences
Division	Natural Science & Mathematics
Degree Level	Undergraduate
Program Title	Engineering-Physics
Degree to be Offered	Associate of Science (AS)
Is this program offered completely online?	<u>No</u>
Does this program lead to a teaching certification?	No
Is this program an interdisciplinary program?	No
CIP Code	<u>141201 - Engineering Physics/Applied Physics.</u>

Admission and Curriculum

Admission Criteria

Total Number of Semester Credit Hours for the Degree

Curriculum

Degree Requirements

In addition to the requirements stated below, students must complete 34-35 hours of General Education, all requirements for an Associate of Science degree, and any additional hours needed to reach the minimum 60 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.

Electives

BI 102	General Cellular Biology	5
CH 151	Fundamentals of Chemistry I	5
CH 152	Fundamentals of Chemistry II	5
EG 116	Engineering Graphics	3
EG 360	Mechanics of Materials	3
MA 301	Linear Algebra	3
MA 331	Differential Equations	3
Any upper-division Physics courses		3

Required Course Inside Department

<u>EG 103</u>	Physics & Engineering Seminar I	1
<u>EG 250</u>	Engineering Mechanics: Statics	3
EG 303	Physics & Engineering Seminar II	4
<u>EG 351</u>	Engineering Mechanics: Dynamics	3
<u>Select one:</u>		<u>3</u>
<u>EG 360</u>	<u>Mechanics of Materials</u>	
<u>PS 3XX</u>	<u>Any 300 Level, 3 credit PS course</u>	
<u>PS 281</u>	General Physics I	5
<u>PS 282</u>	<u>General Physics II</u>	<u>5</u>

Subtotal		20
Required Courses Outside Department		
<u>CN 150</u>	<u>Public Speaking</u>	<u>3</u>
<u>MA 151</u>	Calculus & Analytic Geometry I	5
<u>MA 152</u>	Calculus & Analytic Geometry II	5
<u>MA 253</u>	Calculus/Analytic Geometry III	3
CH 151	Fundamentals of Chemistry I	5
or BI 102	General Cellular Biology	
Electives		
Electives		12
<u>Subtotal</u>		<u>16</u>
Total Hours		36

~~Degree Requirements To major in Engineering Physics with an Associate of Science Degree, one must satisfactorily complete:~~

Pathway

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

Supplemental
Files

Reviewer
Comments

Beth O'Neill (beth.oneill) (11/14/23 9:39 am): Revised to significant change.

Key: 70