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Viewing: SC-BS-BIOL: Biology, BS

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Changes proposed by: jbazaz

Biology, BS

Catalog Pages
Using this Program

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

Yes

Requestor:

In Workflow

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

History

- 1. Oct 23, 2017 by clmig-jwehrheim
- 2. Dec 5, 2017 by clmig-jwehrheim
- 3. Mar 1, 2018 by Jennifer Bazaz Gettys (jbazaz)
- 4. Mar 8, 2018 by Rebekah Zacharias (rzachari)
- 5. Mar 16, 2018 by Rebekah Zacharias (rzachari)
- 6. Dec 4, 2018 by Jennifer Bazaz Gettys (jbazaz)
- 7. Feb 1, 2019 by
 Jennifer Bazaz
- Gettys (jbazaz)

 8. Mar 4, 2019 by Tory
- Sarro (vsarro) 9. Jan 16, 2020 by
 - Jennifer Bazaz Gettys (jbazaz)

Name	Extension	Email
Deborah Polayes	4543	dpolayes

Effective Catalog: 2020-2021

Program Level: Undergraduate

Program Type: Bachelor's

Degree Type: Bachelor of Science

Approved

Title: Biology, BS

Banner Title: Biology, BS

Registrar/OAPI Use

Only - SCHEV

Status

Registrar's Office Use Only -

Program Start Term

Registrar/OAPI Use Only - SCHEV Letter

Concentration(s):

1	Bioinformatics	BNF
2	Biopsychology	BP
3	Biotechnology and Molecular Biology	ВТМВ
4	Environmental and Conservation Biology	ESCB

MIB

Registrar's Office Use Only: Concentration Code

Concentration CIP Code College/School:

Microbiology

Department / **Academic Unit:**

Registrar/IRR Use

5

Only-

Biology

College of Science

Jointly Owned Program?

No

Academic Themes:

Justification Fixing an error that students must choose BIOL 543 or BIOL 305 & 306.

Associated Concentrations

Total Credits Required:

Total credits: minimum 120

Registrar's Office Use Only - Program Code:

SC-BS-BIOL

Registrar/IRR Use Only – Program CIP Code Admission

Admissions

Requirements:

University-wide admissions policies can be found in **Undergraduate Admissions Policies**.

To apply for this program, please complete the George Mason University Admissions Application.

Program-Specific Policies:

Policies

Students must fulfill all Requirements for Bachelor's Degrees, including the Mason Core.

Important information and departmental policies are listed in the <u>Department of Biology</u>.

BIOL 308 Foundations of Ecology and Evolution meets the writing intensive requirement for this major. Transfer students who have transferred in BIOL 308 Foundations of Ecology and Evolution but did not meet the writing intensive requirement may take MLAB 300 Science Writing to meet the writing intensive requirement.

For policies governing all undergraduate degrees, see AP.5 Undergraduate Policies.

Important Program Requirements

- Students may apply no more than 8 credits of <u>BIOL 103</u> Introductory Biology I (<u>Mason Core</u>) or <u>BIOL 107</u> Intro Biology II Lecture (<u>Mason Core</u>) and <u>BIOL 106</u> Introductory Biology II Laboratory (<u>Mason Core</u>) toward elective credit (or equivalent transfer credit at the 100 to 200-level) if taken before successful completion of <u>BIOL 213</u> Cell Structure and Function (<u>Mason Core</u>).
- Biology majors must earn a minimum grade of 'C' in all biology core courses. A grade of 'C' or better must be earned in <u>BIOL 213</u> Cell Structure and Function (<u>Mason Core</u>) in order to advance to other core requirements.
- Students may repeat <u>BIOL 213</u> Cell Structure and Function (<u>Mason Core</u>) once, but a second time only with permission from the Department of Biology.
- Students may not count <u>BIOL 124</u> Human Anatomy and Physiology and/or <u>BIOL 125</u> Human Anatomy and Physiology toward any biology major requirement.
- Students who take <u>BIOL 300</u> BioDiversity may **not** count <u>BIOL 303</u> Animal Biology and/or <u>BIOL 304</u> Plant Biology toward any biology major requirement.
- 44 credits must be in biology coursework.
- <u>BIOL 493</u> Honors Research in Biology, <u>BIOL 495</u> Directed Studies in Biology, and <u>BIOL 497</u> Special Problems in Biology do not satisfy the requirements of the BS degree which state that students must complete at least two upper division courses that include a laboratory. The courses do, however, count as non-laboratory electives. The total limit for <u>BIOL 493</u> Honors Research in Biology, <u>BIOL 495</u> Directed Studies in Biology, and <u>BIOL 497</u> Special Problems in Biology combined is 6 credits toward the 44 credits required for the BS.

Several optional concentrations are available; details on each can be found in the Requirements tab.

Teacher Licensure

Students majoring in biology who wish to pursue a career teaching secondary school may consider applying for the <u>Curriculum</u> and Instruction Undergraduate Certificate offered by the <u>College of Education and Human Development</u> as an option in seeking an initial Virginia teaching license.

Other routes to licensure include the <u>Biology, BA or BS/Curriculum and Instruction, Accelerated MEd</u> (Secondary Education Biology Concentration) or select traditional Master's programs. Please contact the <u>College of Education and Human</u>

<u>Development</u> for more information.

Degree Requirements:

Students should refer to the Admissions & Policies tab for specific policies related to this program.

Students must complete their biology coursework and the supporting requirements which follow with a minimum GPA of 2.00. All students must complete the Core Courses listed below. Students then elect to complete the BS degree either with a concentration or without a concentration.

Core Courses

MATH 111 or MATH 113

	Course List	
Code	Title	Credits
Biology		
BIOL 213	Cell Structure and Function (Mason Core)	4
BIOL 214	Biostatistics for Biology Majors	4
BIOL 300	BioDiversity	4
BIOL 308	Foundations of Ecology and Evolution 1	5
BIOL 311	General Genetics	4
Chemistry		
<u>CHEM 211</u>	General Chemistry I (Mason Core)	4
& <u>CHEM 213</u>	and General Chemistry Laboratory I (Mason Core)	
<u>CHEM 212</u>	General Chemistry II (Mason Core)	4
& <u>CHEM 214</u>	and General Chemistry Laboratory II (Mason Core)	
<u>CHEM 313</u>	Organic Chemistry I	5
& <u>CHEM 315</u>	and Organic Chemistry Lab I	
Physics		
Select from one of the	e following Mason Core Natural Science sequences:	8
PHYS 160	University Physics I (Mason Core)	
& <u>PHYS 161</u>	and University Physics I Laboratory (Mason Core)	
& <u>PHYS 260</u>	and University Physics II (Mason Core)	
& <u>PHYS 261</u>	and University Physics II Laboratory (Mason Core)	
<u>PHYS 243</u>	College Physics I (Mason Core)	
& <u>PHYS 244</u>	and College Physics I Lab (Mason Core)	
& <u>PHYS 245</u>	and College Physics II (Mason Core)	
& <u>PHYS 246</u>	and College Physics II Lab (Mason Core)	
Mathematics		
Select one from the fo	ollowing:	3-6

Linear Mathematical Modeling (Mason Core)

Analytic Geometry and Calculus I (Mason Core)

Code Title Credits Calculus with Algebra/Trigonometry, Part A **MATH 123**

& MATH 124 and Calculus with Algebra/Trigonometry, Part B (Mason Core)

Computer Science

Select one from the following: 3

Computing for Scientists 2 **CDS 130**

Any course(s) that fulfills the Mason Core: Information Technology requirement

Total Credits 48-51

1Fulfills writing intensive requirement.

Transfer students who have transferred in <u>BIOL 308</u> Foundations of Ecology and Evolution but did not meet the writing intensive requirement may take MLAB 300 Science Writing to meet the writing intensive requirement.

2 Recommended by the Department of Biology.

BS without Concentration

Students who do not select an optional concentration must complete the biology core and shared courses shown above in addition to the curriculum requirements listed below.

Course List

Code Title Credits

Biology Electives

Complete 23 credits of additional biology courses 1 23

Additional Science Courses

Students are encouraged to consult with a biology faculty advisor to determine which option (A, B, or C) best meets 3-8

their career goals. Select one from the following options:

Option A:

CHEM 314 Organic Chemistry II

& CHEM 318 and Organic Chemistry Lab II

Option B:

One 3 credit chemistry course at the 300 or 400-level (not CHEM 314)

Option C:

GEOL 101 Introductory Geology I (Mason Core)

& <u>GEOL 102</u> and Introductory Geology II (Mason Core) (Natural Science courses)

Total Credits 26-31

Note:

Students expecting to enter a professional school are strongly encouraged to complete <u>MATH 113</u> Analytic Geometry and Calculus I (Mason Core).

10f which, at least 15 credits must be upper division, and at least two of the upper division courses must include a laboratory.

Concentration in Bioinformatics (BNF)

The highly interdisciplinary field of bioinformatics has emerged as a powerful modern science. There is a great demand for undergraduate and graduate-level trained individuals with a background in bioinformatics in industry as well as in academia.

Course List

Title Code Credits

3 Computer Science

couc	Title	Cicaic
Please note: <u>CDS 130</u> is	recommended to fulfill the Computer Science requirement in the shared core above.	
CDS 230	Modeling and Simulation I	
Bioinformatics		6
<u>BINF 401</u>	Bioinformatics and Computational Biology I	
<u>BINF 402</u>	Bioinformatics and Computational Biology II	
Biology		14-16
BIOL 312	Biostatistics for Bioinformatics	
BIOL 401	Phage Discovery	
BIOL 412	Phage Genomics	
Biology Lab Elective		
Select one from the fol	lowing:	
BIOL 305	Biology of Microorganisms	
& <u>BIOL 306</u>	and Biology of Microorganisms Laboratory	
BIOL 320	Comparative Chordate Anatomy	
BIOL 322	Developmental Biology	
& <u>BIOL 323</u>	and Lab for Developmental Biology	
BIOL 331	Invertebrate Zoology	
BIOL 332	Insect Biology	
BIOL 334	Vertebrate Paleontology	
BIOL 336	Invertebrate Paleontology	
BIOL 344	Plant Diversity and Evolution	
BIOL 345	Plant Ecology	
BIOL 350	Freshwater Ecosystems	
BIOL 355	Ecological Engineering and Ecosystem Restoration	
BIOL 379	RS: Ecological Sustainability (Mason Core)	
BIOL 385	Biotechnology and Genetic Engineering	
& <u>BIOL 486</u>	and Molecular Biology and Biotechnology Laboratory	
BIOL 405	Microbial Genetics	
BIOL 407	Microbial Diversity	
BIOL 430	Advanced Human Anatomy and Physiology I	
BIOL 431	Advanced Human Anatomy and Physiology II	
BIOL 437	Orinthology	
BIOL 438	Mammalogy	
BIOL 439	Herpetology	
BIOL 452	Immunology	
& <u>BIOL 453</u>	and Immunology Laboratory	
BIOL 454	Marine Mammal Biology and Conservation	
& <u>BIOL 455</u>	and Marine Mammal Biology and Conservation Field Course	
BIOL 465	Histology	
<u>BIOL 468</u>	Vertebrate Natural History	
BIOL 472	Introductory Animal Behavior	
& <u>BIOL 473</u>	and Introductory Laboratory in Animal Behavior	

Credits

Code

Title

Code	Title	Credits
BIOL 484	Cell Signaling and Disease	
& <u>BIOL 485</u>	and Cell Signaling Laboratory	
BIOL 509	DNA Analysis of Biological Evidence	
& <u>BIOL 510</u>	and Forensic DNA Analysis Laboratory	
BIOL 543	Tropical Ecosystems	
Additional Science Co	purses	
Select one from the f	following options: 1	3-8
Option A:		
<u>CHEM 314</u>	Organic Chemistry II	
<u>CHEM 318</u>	Organic Chemistry Lab II	
Option B:		
One 3 credit chemist	ry course at the 300 or 400-level 2	
Option C:		
GEOL 101	Introductory Geology I (<u>Mason Core)</u>	
GEOL 102	Introductory Geology II (Mason Core)	
Total Credits		26-33
1Students are encou	raged to consult with a biology advisor to determine which option (A, B, or C) best meets	their career
goals.		
2 CHEM 314 Organic	Chemistry II does not fulfill this requirement.	
Concentrati	on in Biopsychology (BP)	
	in more depth while simultaneously exploring psychology and neurobiology. This concert the MCAT section related to psychology and provide veterinary students with a background the MCAT section related to psychology and provide veterinary students with a background the MCAT section related to psychology and provide veterinary students with a background the MCAT section related to psychology and provide veterinary students with a background the MCAT section related to psychology and provide veterinary students with a background the MCAT section related to psychology and provide veterinary students with a background the MCAT section related to psychology and provide veterinary students with a background the MCAT section related to psychology and provide veterinary students with a background the MCAT section related to psychology and provide veterinary students with a background the MCAT section related to psychology and provide veterinary students with a background the MCAT section related to psychology and provide veterinary students with a background related to psychology and provide veterinary students with a background related to psychology and provide veterinary students with the model of the psychology and provide veterinary students with the model of the psychology and provide veterinary students with the psychology and psychology	
	Course List	
Code	Title	Credits
Biopsychology Course		
BIOL 430	Advanced Human Anatomy and Physiology I	4
BIOL 431	Advanced Human Anatomy and Physiology II	4
PSYC 372	Biopsychology	3
PSYC 373	Biopsychology Laboratory	2
	y/Neuroscience Course	
Select 3-4 credits fro	-	3-4
PSYC 304	Principles of Learning	
PSYC 376	Brain and Behavior	
PSYC 406	Psychology of Communication (Mason Core)	
NEUR 327	Cellular, Neurophysiological, and Pharmacological Neuroscience	
NEUR 335	Molecular, Developmental, and Systems Neuroscience	
Additional Biology Co		
Select 7-8 credits fro	m the following:	
BIOL 305	-	7-8
BIOL 306	Biology of Microorganisms Biology of Microorganisms Laboratory	7-8

BIOL 314		
<u>BIOL 314</u>	Introduction to Research Design and Analysis	
BIOL 322	Developmental Biology	
BIOL 323	Lab for Developmental Biology	
BIOL 437	Orinthology	
BIOL 438	Mammalogy	
BIOL 472	Introductory Animal Behavior	
BIOL 473	Introductory Laboratory in Animal Behavior	
BIOL 483	General Biochemistry	
Additional Chemistry	Courses	
Select one from the	following options: 1	3-5
Option A:		
<u>CHEM 314</u>	Organic Chemistry II	
& <u>CHEM 318</u>	and Organic Chemistry Lab II	
Option B:		
One chemistry co	urse at the 300 or 400-level 2	
Total Credits		26-30
1Students are encou	raged to consult with a biology faculty advisor to determine which option best meet	s their career goals.
2 <u>CHEM 314</u> Organic	Chemistry II alone does not fulfill this requirement.	
Concentrati	on in Riotechnology and Molecular Riology (RTMR)	
Concentrati	on in Biotechnology and Molecular Biology (BTMB)	
	on in Biotechnology and Molecular Biology (BTMB) and molecular biology concentration consists of a selection of courses that provide es	sential skills to
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The biotechnology a	nd molecular biology concentration consists of a selection of courses that provide es	
The biotechnology a	nd molecular biology concentration consists of a selection of courses that provide es mployment in the field or wish to include an applied component in their undergradu	
The biotechnology a students who seek e	nd molecular biology concentration consists of a selection of courses that provide es mployment in the field or wish to include an applied component in their undergradu Course List Title	ate training in biology.
The biotechnology a students who seek e Code	nd molecular biology concentration consists of a selection of courses that provide es mployment in the field or wish to include an applied component in their undergradu Course List Title	ate training in biology.
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The biotechnology and students who seek e Code Biotechnology Cours BIOL 305	nd molecular biology concentration consists of a selection of courses that provide es mployment in the field or wish to include an applied component in their undergradu Course List Title es Biology of Microorganisms	ate training in biology. Credits
The biotechnology and students who seek e Code Biotechnology Cours BIOL 305 BIOL 306	nd molecular biology concentration consists of a selection of courses that provide es mployment in the field or wish to include an applied component in their undergradu Course List Title es Biology of Microorganisms Biology of Microorganisms Laboratory	ate training in biology. Credits 3 1
The biotechnology and students who seek expenses who seek expenses the code are biotechnology Cours biol 305 biol 306 biol 385	nd molecular biology concentration consists of a selection of courses that provide es imployment in the field or wish to include an applied component in their undergradure. Course List Title es Biology of Microorganisms Biology of Microorganisms Laboratory Biotechnology and Genetic Engineering General Biochemistry	credits 3 1 3
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The biotechnology and students who seek elected Biotechnology Course BIOL 305 BIOL 306 BIOL 385 BIOL 483 Additional Biology Course BIOL 402	nd molecular biology concentration consists of a selection of courses that provide es imployment in the field or wish to include an applied component in their undergradu Course List Title es Biology of Microorganisms Biology of Microorganisms Laboratory Biotechnology and Genetic Engineering General Biochemistry Durses In the following, at least one of the courses must include a laboratory: es: Applied and Industrial Microbiology and Techniques in Applied and Industrial Microbiology Microbial Genetics Immunology and Immunology Laboratory Histology Molecular Biology and Biotechnology Laboratory	ate training in biology. Credits 3 1 3 4
The biotechnology and students who seek extended to seek	nd molecular biology concentration consists of a selection of courses that provide es imployment in the field or wish to include an applied component in their undergradu Course List Title es Biology of Microorganisms Biology of Microorganisms Laboratory Biotechnology and Genetic Engineering General Biochemistry Durses In the following, at least one of the courses must include a laboratory: es: Applied and Industrial Microbiology and Techniques in Applied and Industrial Microbiology Microbial Genetics Immunology and Immunology Laboratory Histology Molecular Biology and Biotechnology Laboratory	ate training in biology. Credits 3 1 3 4
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Credits

Code

Title

BIOL 412		
DIOL 41Z	Phage Genomics	
BIOL 417	Selected Topics in Molecular and Cellular Biology 1	
BIOL 418	Current Topics in Microbiology 1	
BIOL 420	Vaccines	
BIOL 421	Genetics of Human Diseases	
BIOL 422	Stem Cell Biology and Regenerative Medicine	
BIOL 482	Introduction to Molecular Genetics	
BIOL 484	Cell Signaling and Disease	
BIOL 497	Special Problems in Biology 1	
Additional Chemistr	y Courses	
<u>CHEM 314</u>	Organic Chemistry II	3
<u>CHEM 318</u>	Organic Chemistry Lab II	2
Total Credits		28
1Registration for <u>BI</u>	DL 417 Selected Topics in Molecular and Cellular Biology, <u>BIOL 418</u> Curre	ent Topics in Microbiology, or
BIOL 497 Special P	roblems in Biology is subject to approval by the Director of Undergradua	ate Studies and the Chair of the
Department of Bio	logy.	
Concentrat	ion in Environmental and Conservation Biology	(ESCB)
This concentration is them for graduate w	offered to students seeking a biology degree that focuses on ecology a work or employment in environmental and conservation fields, such as r	and organismal biology and prepares natural resources management,
This concentration is them for graduate w fisheries, forestry, w	offered to students seeking a biology degree that focuses on ecology a	and organismal biology and prepares natural resources management,
This concentration is them for graduate w fisheries, forestry, w	offered to students seeking a biology degree that focuses on ecology a work or employment in environmental and conservation fields, such as rater quality management, aquatic and wetland ecology, and conservation	and organismal biology and prepares natural resources management,
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This concentration is them for graduate when for graduate when fisheries, forestry, when staffed and supported and code and supported and sup	s offered to students seeking a biology degree that focuses on ecology a vork or employment in environmental and conservation fields, such as reater quality management, aquatic and wetland ecology, and conservatived by the Department of Environmental Science and Policy. Course List Title Conservation Biology Conservation Biology Applied Ecology	and organismal biology and prepares natural resources management, on biology. The concentration is Credits 3 3
This concentration is them for graduate when for graduate when fisheries, forestry, when staffed and supported and concentration of the staffed and supported and support	offered to students seeking a biology degree that focuses on ecology a cork or employment in environmental and conservation fields, such as relater quality management, aquatic and wetland ecology, and conservatived by the Department of Environmental Science and Policy. Course List Title Conservation Biology Conservation Biology Applied Ecology m the following: 1	and organismal biology and prepares natural resources management, on biology. The concentration is Credits 3 3
This concentration is them for graduate where the fisheries, forestry, where the staffed and supported the supported to the supported the supp	s offered to students seeking a biology degree that focuses on ecology a vork or employment in environmental and conservation fields, such as reater quality management, aquatic and wetland ecology, and conservative deposition by the Department of Environmental Science and Policy. Course List Title Conservation Biology Conservation Biology Applied Ecology m the following: 1 Introduction to Oceanography	and organismal biology and prepares natural resources management, on biology. The concentration is Credits 3 3
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Code

BIOL 411

Title

Advanced General Genetics

Credits

Code	Title	Credits
BIOL 439	Herpetology	
BIOL 440	Field Biology	
BIOL 446	Ecological and Evolutionary Physiology	
BIOL 449	Marine Ecology	
BIOL 450	Marine Conservation	
BIOL 454	Marine Mammal Biology and Conservation	
BIOL 455	Marine Mammal Biology and Conservation Field Course	
BIOL 457	Reproductive Strategies	
BIOL 459	Fungi and Ecosystems	
BIOL 468	Vertebrate Natural History	
BIOL 472	Introductory Animal Behavior	
& <u>BIOL 473</u>	and Introductory Laboratory in Animal Behavior	
BIOL 480	The Diversity of Fishes	
BIOL 497	Special Problems in Biology 4	
Additional Science C	Courses	
Select one from the	following options: 2	3-8
Option A:		
<u>CHEM 314</u>	Organic Chemistry II	
& <u>CHEM 318</u>	and Organic Chemistry Lab II	
Option B:		
One chemistry co	ourse at the 300 or 400-level 3	
Option C:		
<u>GEOL 101</u>	Introductory Geology I (Mason Core)	
& <u>GEOL 102</u>	and Introductory Geology II (Mason Core)	
Total Credits		26-31
10f which, two cou	rses must be selected from the list above and must have either: 2 labora	atory courses or 1 laboratory course
and 1 field course	(consult with an advisor for guidance).	
2Students are enco	uraged to consult with a biology faculty advisor to determine which opt	ion best meets their career goals.
3 <u>CHEM 314</u> Organic	Chemistry II alone does not fulfill this requirement.	
4Registration in <u>BIO</u>	<u>L 497</u> Special Problems in Biology is subject to approval by the Director	of Undergraduate Studies and the
Chairman of the D	epartment of Biology.	
Concentrat	ion in Microbiology (MIB)	
Concentrat	ion in wherobiology (wild)	
	offers lecture and laboratory courses in microbiology to prepare student	ts for employment or advanced
study in microbial go	enetics, physiology, diversity, and related fields.	
	Course List	
Code	Title	Credits
Microbiology Course		
BIOL 305	Biology of Microorganisms	3
BIOL 306	Biology of Microorganisms Laboratory	1
BIOL 405	Microbial Genetics	4
BIOL 407	Microbial Diversity	4
Biology Electives		

Select 11 credits fror	n the following:	11
BIOL 314	Introduction to Research Design and Analysis	
BIOL 382	Introduction to Virology	
BIOL 385	Biotechnology and Genetic Engineering	
BIOL 401	Phage Discovery	
BIOL 402	Applied and Industrial Microbiology	
BIOL 403	Techniques in Applied and Industrial Microbiology	
BIOL 404	Medical Microbiology	
BIOL 412	Phage Genomics	
BIOL 418	Current Topics in Microbiology	
BIOL 420	Vaccines	
BIOL 452	Immunology	
BIOL 453	Immunology Laboratory	
BIOL 459	Fungi and Ecosystems	
BIOL 483	General Biochemistry	
Additional Chemistry	/ Courses	
<u>CHEM 314</u>	Organic Chemistry II	3
<u>CHEM 318</u>	Organic Chemistry Lab II	2
Total Credits		28
Retroactive Requirements Updates:		
Plan of Study:		
Honors Information:		

Credits

Honors in the Major

Admissions

Code

Title

Minimum requirements for invitation:

- GPA in biology courses must be 3.33 or better
- GPA in supporting requirements (math and other science) must be 3.00 or better
- Grade of 'B' or better in <u>BIOL 213</u> Cell Structure and Function (<u>Mason Core</u>)

Students should apply for admission to the Honors Program during their first or second year at the university. Contact the <u>Department of Biology</u> for information on applying.

Retention Requirements

Students in honors biology must maintain a biology GPA of 3.33 or better and a supporting GPA of 3.00 or better from the time they have accumulated 30 hours and thereafter. Students who fall below this standard will be given a one semester probationary period in which to bring their GPA back up to the minimum standard.

Requirements to Graduate with Biology Honors

Students are required to take 6 to 8 credits in honors courses in BIOL including three semesters of <u>BIOL 494</u> Honors Seminar in Biology or two semesters of <u>BIOL 494</u> Honors Seminar in Biology and one semester of <u>BIOL 493</u> Honors Research in Biology. <u>BIOL 498</u> Research Seminar may count towards one of the semester requirements of <u>BIOL 494</u> Honors Seminar in Biology. The GPA requirements are as follows:

- Minimum 3.33 GPA in honors biology courses
- Minimum 3.33 GPA in biology requirements
- Minimum 3.00 GPA in supporting requirements
- Minimum 3.00 GPA overall

Additional Program Information

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

Courses offered via distance (if applicable):

What is the primary delivery format for the program?

Face-to-Face Only

Does any portion of this program occur off-campus?

No

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

No

Related

Departments

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

No

Are you adding or removing a licensure component?

No

Additional SCHEV & SACSCOC Information

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

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

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

Green Leaf Progr	am Designation
Is this a Green Leaf program?	No
Does this program cov	ver material which crosses into another department?
	No
Additional Attachments	
SCHEV Proposal	
Executive Summary	
Reviewer Comments	
Additional Comments	
Is this course required	of all students in this degree program?
	%wi_required.eschtml%

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

Are you adding significant new content areas to the program?

Will this program change affect any specialized accreditation?

Key: 17