

First Name

Rickey

Last Name

Cothran

Person ID

0725389

Email

rickey.cothran@swosu.edu

Department

Biological & Biomed Sciences

Program Information

Official Degree Designation and Program Title

e.g. Associate in Science in Cybersecurity, Bachelor of Fine Arts in Music Performance, Master of Science in Accounting

Bachelor of Science in Biology

Program Code

Please list the 3-digit OSRHE program code.

009

This program has approved options

Yes

Approved Program Options

Please list all current options within the program. Use a separate line for each option.

Biological Sciences (BIOSC.BS)
Biomedical Sciences (BIOMS.BS)
Environmental and Organismal Biology (EVOGS.BS)

Is this program part of a cooperative agreement?

No

Does this change impact an embedded certificate?

No

Does the CIP Code for this program need to be updated?

No

Type of Request(s)

Program Suspension?

No

Electronic Delivery of Existing Program

NOTE: Electronic delivery is recognized at the program level. If the existing program has options that are offered via electronic delivery and the program meets State Regents' policy for electronic delivery, the program MUST be approved for electronic delivery.

Option Additions?

Option Deletion?

Option Name Change?

Current and Proposed Option Name(s)*

Please list the current option name(s) to be changed and the proposed name(s).

Justification for program name change

Please provide a brief summary of the reason for the change.

Program Requirement Change(s)?

Explanation of changes

Please provide a brief summary of changes being made.

Total Credit Hour Change?

Justification for program requirement changes*

Please provide a brief summary of the reason for the program requirement changes.

Program Reinstatement?

Program Name Change?

Degree Designation Change?

Changes formerly classified as substantive and non-substantive will now be combined as program requirement changes. (e.g. course credit hour changes, changes in courses required for graduation, changing credit hours required for electives, course prefix changes, course title changes, removing courses from list of electives)

Documents

If applicable, submit any documentation related to the requested action.

Created By: Ryan Henson per Academic Affairs

Current Curriculum	Proposed Curriculum
ENVIRONMENTAL AND ORGANISMAL BIOLOGY OPTION	ENVIRONMENTAL AND WILDLIFE BIOLOGY OPTION
Biological Sciences Core Courses (Required).....16	Biological Sciences Core Courses (Required).....19
BIOL 1254 Principles of Biology II	BIOL. 1032 Research Methods in Biology
BIOL 3053 Cell Biology	BIOL 1254 Principles of Biology II
BIOL 3152 Genetics and Cell Biology Lab	BIOL 3053 Cell Biology
BIOL 3253 Genetics	BIOL 3152 Genetics and Cell Biology Lab
BIOL 3283 Ecology	BIOL 3253 Genetics
BIOL 4901 Biological Sciences Capstone	BIOL 3284 Ecology
Major Electives (include one Field Course [F] and one Plant Course [P]) 24	Major Electives (include one Field Course [F] and one Plant Course [P])..... 21
BIOL 3074 Animal Behavior	BIOL 3074 Animal Behavior
BIOL 3304 Aquatic Ecology [F]	BIOL 3304 Aquatic Ecology [F]
BIOL 3604 Biology of Insects [F]	BIOL 3604 Biology of Insects
BIOL 3704 Human Anatomy	BIOL 3704 Human Anatomy
BIOL 3814 Biology of Plants [P]	BIOL 3814 Biology of Plants [P]
BIOL 4001-4 Independent Studies in Biological Sciences	BIOL 4001-4 Independent Studies
<i>(A maximum of 4 hours total of Independent Studies may be counted toward the major.)</i>	<i>(A maximum of 4 hours total of Independent Studies and Seminar may be counted toward the major.)</i>
BIOL 3355 General Microbiology	BIOL 3355 General Microbiology
BIOL 3363 Invertebrate Biology	BIOL 3363 Invertebrate Biology
BIOL 4041-4 Special Topics in Environ & Organismal Biology	BIOL 4041-4 Special Topics Environ & Organismal Biology
BIOL 4154 Developmental Biology	BIOL 4154 Developmental Biology
BIOL 4204 Vertebrate Biology [F]	BIOL 4204 Vertebrate Biology [F]
BIOL 4284 Parasitology	BIOL 4213 Immunology
BIOL 4293 Behavioral Neurobiology	BIOL 4284 Parasitology
BIOL 4314 Environmental Biology	BIOL 4293 Behavioral Neurobiology
BIOL 4343 Applied Microbiology	BIOL 4314 Environmental Biology
BIOL 4454 Plant Taxonomy [P]	BIOL 4324 Herpetology
BIOL 4463 Virology	BIOL 4343 Applied Microbiology
BIOL 4524 Environmental Microbiology [F]	BIOL 4404 Pathogenic Microbiology
BIOL 4604 Terrestrial Ecology [P]	BIOL 4454 Plant Taxonomy [P]
BIOL 4622 Economically Important Plants [P]	BIOL 4463 Virology
BIOL 4853 Evolution	BIOL 4524 Environmental Microbiology [F]
BIOL 4914 General and Comparative Physiology	BIOL 4604 Terrestrial Ecology [P]
BIOL 4915 General & Comparative Anatomy & Physiology	BIOL 4622 Economically Important Plants [P]
	BIOL 4853 Evolution
	BIOL 4914 General and Comparative Physiology
	BIOL 4915 General and Comparative Anatomy and Physiology

Current Curriculum	Proposed Curriculum
BIOMEDICAL SCIENCE OPTION	BIOMEDICAL SCIENCE OPTION
Biological Sciences Core Courses (Required).....16	Biological Sciences Core Courses (Required).....19
BIOL 1254 Principles of Biology II	BIOL 1254 BIOL 1032 Research Methods in Biology
BIOL 3053 Cell Biology	BIOL 1254 Principles of Biology II
BIOL 3152 Genetics and Cell Biology Lab	BIOL 3053 Cell Biology
BIOL 3253 Genetics	BIOL 3152 Genetics and Cell Biology Lab
BIOL 3283 Ecology	BIOL 3253 Genetics
BIOL 4901 Biological Sciences Capstone	BIOL 3284 Ecology
Major Electives (include one Field Course [F] and one Plant Course [P]).....24	Major Electives (include one Field Course [F] and one Plant Course [P]).....21
BIOL 3074 Animal Behavior	BIOL 3074 Animal Behavior
BIOL 3304 Aquatic Ecology [F]	BIOL 3304 Aquatic Ecology [F]
BIOL 3604 Biology of Insects	BIOL 3604 Biology of Insects
BIOL 3704 Human Anatomy	BIOL 3704 Human Anatomy
BIOL 3814 Biology of Plants [P]	BIOL 3814 Biology of Plants [P]
BIOL 4001-4 Independent Studies in Biological Sciences	BIOL 4001-4 Independent Studies
<i>(A maximum of 4 hours total of Independent Studies may be counted toward the major.)</i>	<i>(A maximum of 4 hours total of Independent Studies and Seminar may be counted toward the major.)</i>
BIOL 3355 General Microbiology	BIOL 4010-4 Seminar in Biology
BIOL 3363 Invertebrate Biology	BIOL 3355 General Microbiology
BIOL 4021-4 Special Topics in Biomedical Sciences	BIOL 3363 Invertebrate Biology
BIOL 4154 Developmental Biology	BIOL 4021-4 Special Topics in Biomedical Sciences
BIOL 4204 Vertebrate Biology [F]	BIOL 4154 Developmental Biology
BIOL 4213 Immunology	BIOL 4204 Vertebrate Biology [F]
BIOL 4284 Parasitology	BIOL 4213 Immunology
BIOL 4284 Behavioral Neurobiology	BIOL 4284 Parasitology
BIOL 4314 Environmental Biology	BIOL 4293 Behavioral Neurobiology
BIOL 4404 Pathogenic Microbiology	BIOL 4314 Environmental Biology
BIOL 4454 Plant Taxonomy [P]	BIOL 4324 BIOL 4324 Herpetology
BIOL 4463 Virology	BIOL 4404 Pathogenic Microbiology
BIOL 4524 Environmental Microbiology [F]	BIOL 4454 Plant Taxonomy [P]
BIOL 4604 Terrestrial Ecology [P]	BIOL 4463 Virology
BIOL 4622 Economically Important Plants [P]	BIOL 4524 Environmental Microbiology [F]
BIOL 4703 Infectious Disease Epidemiology	BIOL 4604 Terrestrial Ecology [P]
BIOL 4853 Evolution	BIOL 4622 Economically Important Plants [P]
BIOL 4864 Human Genetics	BIOL 4703 Infectious Disease Epidemiology
BIOL 4914 General and Comparative Physiology	BIOL 4853 Evolution
BIOL 4915 General and Comparative Anatomy and Physiology	BIOL 4864 Human Genetics
BIOL 4935 Cell and Molecular Biology	BIOL 4914 General and Comparative Physiology
BIOL 4944 Neuroscience	BIOL 4915 General and Comparative Anatomy and Physiology
	Physiology
	BIOL 4935 Cell and Molecular Biology
	BIOL 4944 Neuroscience

Current Curriculum

BIOLOGICAL SCIENCES MAJOR

Required Courses.....16

- BIOL 1254 Principles of Biology II
- BIOL 3053 Cell Biology
- BIOL 3152 Genetics and Cell Biology Lab
- BIOL 3253 Genetics
- BIOL 3283 Ecology
- BIOL 4901 Biological Sciences Capstone

Major Electives.....24

(Electives must include one Field Course [F] or a field course with lab from the Gulf Coast Research Lab or other field station or lab and one Plant Course [P].)

- BIOL 3012 Biological Terminology
 - BIOL 3074 Animal Behavior
 - BIOL 3304 Aquatic Ecology [F]
 - BIOL 3604 Biology of Insects
 - BIOL 3704 Human Anatomy
 - BIOL 3814 Biology of Plants [P]
 - BIOL 3904 Human Physiology
 - BIOL 4001-4 Independent Studies
 - BIOL 4010-4 Seminar in Biology
- (A maximum of 4 hours total of Independent Studies and Seminar may be counted toward the major.)*
- BIOL 3355 General Microbiology
 - BIOL 3363 Invertebrate Biology
 - BIOL 4021-4 Special Topics in Biomedical Sciences
 - BIOL 4031-4 Special Topics in Microbiology
 - BIOL 4041-4 Special Topics Environ & Organismal Biology
 - BIOL 4154 Developmental Biology
 - BIOL 4204 Vertebrate Biology [F]
 - BIOL 4213 Immunology
 - BIOL 4284 Parasitology
 - BIOL 4293 Behavioral Neurobiology
 - BIOL 4314 Environmental Biology
 - BIOL 4343 Applied Microbiology
 - BIOL 4404 Pathogenic Microbiology
 - BIOL 4454 Plant Taxonomy [P]
 - BIOL 4463 Virology
 - BIOL 4503 Microbial Physiology
 - BIOL 4524 Environmental Microbiology [F]
 - BIOL 4604 Terrestrial Ecology [P]
 - BIOL 4622 Economically Important Plants [P]
 - BIOL 4703 Infectious Disease Epidemiology
 - BIOL 4853 Evolution
 - BIOL 4864 Human Genetics
 - BIOL 4914 General and Comparative Physiology
 - BIOL 4915 General and Comparative Anatomy and Physiology
 - BIOL 4935 Cell and Molecular Biology
 - BIOL 4944 Neuroscience

Proposed Curriculum

BIOLOGICAL SCIENCES MAJOR

Required Courses.....19

- BIOL. 1032 **Research Methods in Biology**
- BIOL 1254 Principles of Biology II
- BIOL 3053 Cell Biology
- BIOL 3152 Genetics and Cell Biology Lab
- BIOL 3253 Genetics
- BIOL 3284 Ecology
- BIOL 4901 Biological Sciences Capstone

Major Electives.....21

(Electives must include one Field Course [F] or a field course with lab from the Gulf Coast Research Lab or other field station or lab and one Plant Course [P].)

- BIOL 3012 Biological Terminology
 - BIOL 3074 Animal Behavior
 - BIOL 3304 Aquatic Ecology ~~[F]~~
 - BIOL 3604 Biology of Insects
 - BIOL 3704 Human Anatomy
 - BIOL 3814 Biology of Plants ~~[P]~~
 - BIOL 3904 Human Physiology
 - BIOL 4001-4 Independent Studies
 - BIOL 4010-4 Seminar in Biology
- (A maximum of 4 hours total of Independent Studies and Seminar may be counted toward the major.)*
- BIOL 3355 General Microbiology
 - BIOL 3363 Invertebrate Biology
 - BIOL 4021-4 Special Topics in Biomedical Sciences
 - BIOL 4031-4 Special Topics in Microbiology
 - BIOL 4041-4 Special Topics Environ & Organismal Biology
 - BIOL 4154 Developmental Biology
 - BIOL 4204 Vertebrate Biology ~~[F]~~
 - BIOL 4213 Immunology
 - BIOL 4284 Parasitology
 - BIOL 4293 Behavioral Neurobiology
 - BIOL 4314 Environmental Biology
 - BIOL 4324 **Herpetology**
 - BIOL 4343 Applied Microbiology
 - BIOL 4404 Pathogenic Microbiology
 - BIOL 4454 Plant Taxonomy ~~[P]~~
 - BIOL 4463 Virology
 - BIOL 4503 Microbial Physiology
 - BIOL 4524 Environmental Microbiology ~~[F]~~
 - BIOL 4604 Terrestrial Ecology ~~[P]~~
 - BIOL 4622 Economically Important Plants ~~[P]~~
 - BIOL 4703 Infectious Disease Epidemiology
 - BIOL 4853 Evolution
 - BIOL 4864 Human Genetics
 - BIOL 4914 General and Comparative Physiology
 - BIOL 4915 General and Comparative Anatomy and Physiology
 - BIOL 4935 Cell and Molecular Biology
 - BIOL 4944 Neuroscience

Package History

Date	User	Action
12/17/2024 11:50:40 AM	Cothran, Rickey	Added attachment 'BIOSC.BS.docx'
12/17/2024 11:50:40 AM	Cothran, Rickey	Added attachment 'BIOMS.BS.docx'
12/17/2024 11:50:40 AM	Cothran, Rickey	Added attachment 'EVOGS.BS.docx'
12/17/2024 11:50:40 AM	Cothran, Rickey	Submitted 'Program Modification'
12/17/2024 11:50:54 AM	Johnson, Jason	Received
12/17/2024 1:17:13 PM	Johnson, Jason	Decision Approved on step 'FLOW-Deans'
12/17/2024 1:17:26 PM	FLOW- Provost's Executive Assistant	Received