

COLLEGE OF NATURAL RESOURCES AND ENVIRONMENT
Department of Sustainable Biomaterials
Bachelor of Science
Major in Sustainable Biomaterials
For students graduating in calendar year 2017

Name: _____ Student ID _____

Advisor: _____ Expected graduation: _____

Minimum hours for degree is 120. A minimum GPA of 2.0 is required for all work applied to the major.

Major Requirements

Sustainable Biomaterials Common Core – 30 credit hours

- ___ SBIO 1234 Introduction to Wood, Design and Craftsmanship (3)
- ___ SBIO 2124 Structure and Properties of Sustainable Biomaterials (3) (Pre: BIOL 1105, CHEM 1035)
- ___ SBIO 3004 Sustainable Nature-based Enterprise (3)
- ___ SBIO 3445-3446 Entrepreneurial Wood Design and Innovation (3,3) (Pre: 3445 for 3446)
- ___ SBIO 3454 Society, Sustainable Biomaterials, and Energy (3)
- ___ SBIO 4715-4716 Wood House (3,3)
- ___ STAT 3615 Biological Statistics (3)
- ___ STAT 3616 Biological Statistics (3) (Pre: STAT 3615)

Track Requirements

Sustainable Enterprise Track - 18 credit hours

- ___ SBIO 2614 Introduction to Forest Products Marketing (3)
- ___ SBIO 3464 Forest Products Business Systems (3) (Pre: 2614)
- ___ SBIO 3554 Sustainable Biomaterials Enterprises (3)
- ___ ACIS 2115 Principles of Accounting (3)
- ___ FOR 4014 Natural Resources Economics (3) (Pre: ECON 2005 or AAEC 1005)
- ___ MKTG 3104 Marketing Management (3) (Junior standing required and ECON 2005)

Free electives - 36 credit hours

___ _____	___ _____
___ _____	___ _____
___ _____	___ _____
___ _____	___ _____
___ _____	___ _____
___ _____	___ _____

Creating Sustainable Society Track - 18 credit hours

- ___ FOR 2554 Nature and American Values (3)
- ___ SBIO 3324 Green Building Systems (3)
- ___ FOR 4014 Natural Resources Economics (3) (Pre: ECON 2005 or AAEC 1005)
- ___ SBIO 2994 or 4994 Undergraduate Research; SBIO 2964 or 4964 Field Study; or SBIO 3954 Study Abroad; (at least 3 credit hours)
- ___ SBIO 3554 Sustainable Biomaterials Enterprises (3)
- ___ AAEC 3314 Environmental Law (3)

Free electives - 36 credit hours

___ _____	___ _____
___ _____	___ _____

_____	_____
_____	_____
_____	_____
_____	_____

Sustainable Residential Structures Track – 19 credit hours

- CHEM 1036 General Chemistry (3) (Pre: 1035 or 1055)
- PHYS 2205 General Physics (3) (Pre: MATH 1025)
- SBIO 3114 Biodeterioration, Bioconversion and Bioenergy (3) (Pre: CHEM 1035, BIOL 1115)
- SBIO 3314 Wood Mechanics (4) (Pre: 2554, MATH 1025)
- SBIO 3324 Green Building Systems (3)
- SBIO 4314 Design of Wood Structures (3) (Pre: 3314 or CEE 3404)

Free electives - 35 credit hours

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Curriculum for Liberal Education Requirements – 36 credit hours

Area 1: Writing and Discourse (6 credit hours required)

- ENGL 1105 Freshman English (3)
- ENGL 1106 Freshman English (3)

Area 2: Ideas, Cultural Traditions, and Values (6 credit hours required)

- CLE Area 2 course: _____
- CLE Area 2 course: _____

Area 3: Society and Human Behavior (6 credit hours required)

- CLE Area 3 course: _____
- ECON 2006 Principles of Economics (3) (Pre: ECON 2005 or 2116 or 2126 or 2025H)

Area 4: Scientific Reasoning and Discovery (8 credit hours required)

- BIOL 1105 Principles of Biology (3) (Co: BIOL 1115)
- BIOL 1115 Principles of Biology Laboratory (1) (Co: BIOL 1105)
- CHEM 1035 General Chemistry (3)
- CHEM 1045 General Chemistry Laboratory (1) (Co: CHEM 1035)

Area 5: Quantitative and Symbolic Reasoning (6 credit hours required)

- MATH 1025 Elementary Calculus (3)
- MATH 1026 Elementary Calculus (3) (Pre: MATH 1025)

Area 6: Creativity and Aesthetic Experience (1 credit hour required)

- CLE Area 6 course: _____

Area 7: Critical Issues in a Global Context (3 credit hours required)

- SBIO/FOR 2784 Global Forest Sustainability (3)

Satisfactory Progress

By the end of the semester in which the student has attempted 60 hours (including transfer, advanced placement, advanced standing, and credit by examination), "satisfactory progress" towards a B.S. degree in the College of Natural Resources and Environment will include the following minimum criteria:

- Having a grade point average of at least 2.0
- Passing at least 24 semester credits that apply to the Curriculum for Liberal Education
- Passing the required 1000-level courses in Biology, Chemistry, English, and Math

Foreign Language Requirement

2 years of one language in high school

or

FL 1105 and 1106 if less than two years of one language in high school

Sequencing

Courses should be taken in a sequence that ensures that prerequisite or co-requisite requirements are met. Free elective courses may also have prerequisite requirements. Students should plan ahead and ensure that they have completed prerequisites or are enrolled in co-requisite courses.

In-major GPA computation

Includes all courses designated SBIO. The acceptable minimum is 2.0.