COLLEGE OF NATURAL RESOURCES AND ENVIRONMENT
Department of Sustainable Biomaterials
Bachelor of Science
Major in Sustainable Biomaterials
For students graduating in calendar year 2016

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
- SBIO 2124 Structure and Properties of Sustainable Biomaterials (Pre: BIOL 1105, CHEM 1035)
- SBIO 3004 Sustainable Nature-based Enterprise
- SBIO 3445-3446 Entrepreneurial Wood Design and Innovation (Pre: 3445 for 3446)
- SBIO 3454 Society, Sustainable Biomaterials, and Energy
- SBIO 4715-4716 Wood House
- STAT 3615 Biological Statistics (Pre: MATH 1015) MTH 240 or 241
- STAT 3616 Biological Statistics (Pre: STAT 3615) MTH 242

Track Requirements - choose a track

1) Sustainable Enterprise Track - 18 credit hours
- SBIO 2614 Introduction to Forest Products Marketing
- SBIO 3434 Forest Products Business Systems (Pre: 2614)
- SBIO 3554 Sustainable Biomaterials Enterprises
- ACIS 2115 Principles of Accounting ACC211 or 212 (must take both)
- FOR 4014 Natural Resources Economics (Pre: ECON 2005 or AAEC 1005)
- MKTG 3104 Marketing Management (Junior standing required)

Free electives – 36 credit hours

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2) Creating Sustainable Society Track - 18 credit hours
- FOR 2554 Nature and American Values
- SBIO 3324 Green Building Systems
- FOR 4014 Natural Resources Economics (Pre: ECON 2005 or AAEC 1005)
- SBIO 2994 or 4994 Undergraduate Research; SBIO 2964 or 4984 Field Study, or SBIO 3954 Study Abroad (at least 3 credit hours)
- SBIO 3554 Sustainable Biomaterials Enterprises
- AAEC 3314 Environmental Law

Free electives – 36 credit hours

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Sustainable Residential Structures Track – 19 credit hours

- CHEM 1036 General Chemistry (Pre: 1035 or 1055)
- PHYS 2205 General Physics (Pre: MATH 1016 or 2015 or 1205H or 1525 or 1535)
- SBIO 2384 Behavior of Sustainable Biomaterials (Pre: CHEM 1035, PHYS 2205)
- SBIO 3314 Wood Mechanics (Pre: 2554, MATH 1016)
- SBIO 3324 Green Building Systems
- SBIO 4314 Design of Wood Structures (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
- ENGL 1108 Freshman English

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 (Pre: ECON 2005 or 2116 or 2126 or 2025H)

Area 4: Scientific Reasoning and Discovery (8 credit hours required)
- BIOL 1105 Principles of Biology (Co: BIOL 1115)
- BIOL 1115 Principles of Biology Laboratory (Co: BIOL 1105)
- CHEM 1035 General Chemistry
- CHEM 1045 General Chemistry Laboratory (Co: CHEM 1035)

Area 5: Quantitative and Symbolic Reasoning (6 credit hours required)
- MATH 1016 Elementary Calculus with Trigonometry (Pre: MATH 1015)
- MATH 2015 Elementary Calculus with Trigonometry (Pre: MATH 1016)

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/FORE 2784 Global Forest Sustainability
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 corequisite 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 corequisite courses.

In-major GPA computation
Includes all courses designated SBIO. The acceptable minimum is 2.0.