

Working with  
Nature  
for Society's  
Well-Being

# School of Forestry & Wildlife Sciences

## 2020 - 2021 · SUSTAINABLE BIOMATERIALS & PACKAGING CURRICULUM (BIOP)

### FRESHMAN

#### FALL

ENGL	1100	English Composition I	3
BIOL	1020	Principles of Biology	3
BIOL	1021	Principles of Biology Lab	1
MATH	1130	Pre-Calculus Trig or Higher	3
CORE		History <sup>1</sup>	3
INDD	1120	Industrial Design in Modern Society	3
<b>TOTAL SEMESTER HOURS</b>			<b>16</b>

#### SPRING

ENGL	1120	English Composition II	3
BIOL	1030	Organismal Biology	3
BIOL	1031	Organismal Biology Lab	1
STAT	2510	Stats for Biological & Health Sciences	3
CORE		History or Social Science <sup>1</sup>	3
ELEC	FREE	Free Elective	3
<b>TOTAL SEMESTER HOURS</b>			<b>16</b>

### SOPHOMORE

#### FALL

CHEM	1030	Fundamental Chemistry I	3
CHEM	1031	Fundamental Chemistry I Laboratory	1
BIOP	2120	Frontiers of Sustainable Materials (M)	3
BIOP	2140	Fundamentals of Packaging Technology	3
ECON	2020	Principals of Microeconomics	3
CORE		Literature <sup>1</sup>	3
<b>TOTAL SEMESTER HOURS</b>			<b>16</b>

#### SPRING

CHEM	1040	Fundamental Chemistry II	3
CHEM	1041	Fundamental Chemistry II Laboratory	1
SUST	2000	Introduction to Sustainability	3
CORE		Literature or Humanities <sup>1</sup>	3
CORE		Fine Arts	3
COMM	1000	Public Speaking	3
<b>TOTAL SEMESTER HOURS</b>			<b>16</b>

### JUNIOR

#### FALL

SCMN	2150	Management of Business Process	2
MKTG	3310	Principles of Marketing	3
BIOP	3390	Intro to Forest Products & Packaging (M)	3
BIOP	3391	Forest & Manufacturing Operations (M)	1
BIOP	4050	Biomass Processing Chemistry (M)	3
MATL	2220	Materials & the Environment	1
		or	
	2230	Mineral Resources: Processes & Availability	1
<b>TOTAL SEMESTER HOURS</b>			<b>13</b>

#### SPRING

BIOP	4060	Economics of Bioproducts & Packaging (M)	3
BIOP	4080	Business Management for Products (M)	3
BATM	3530	Ag Production & Facility Technology	3
BIOP	4360	Sustainable Biomaterials Trade & Marketing (M)	3
BIOP	4070	Performance & Durability of Products & Packaging (M)	3
<b>TOTAL SEMESTER HOURS</b>			<b>15</b>

### SENIOR

#### FALL

BIOP	4840	Sustainability & Life Cycle Assessment (M)	3
INSY	3020	Occupational Safety Ergonomics	3
BIOP	4400	Biomaterials Product Development I (M)	1
ENVD	4010	Elements of Design Thinking & Communication	3
BIOP	5250	Wood Composites for Biomaterials & Packaging (M)	3
<b>TOTAL SEMESTER HOURS</b>			<b>13</b>

#### SPRING

BIOP	4800	Biopolymers for Biomaterials & Packaging (M)	3
BIOP	4410	Biomaterials Product Development II (M)	1
SCMN	5720	Quality & Process Improvement	3
CSES	5400	Bioenergy & the Environment	3
MKTG	4340	Marketing & New Product Development	3
ELEC	FREE	Free Elective	2
<b>TOTAL SEMESTER HOURS</b>			<b>15</b>

Courses listed with (M) are major courses and must be completed with a cumulative GPA of 2.0 or better.

<sup>1</sup> Student must complete a sequence in either Literature or History.

**120 TOTAL SEMESTER HOURS**

**02/20**

Students planning a certificate, minor, additional major or second degree must contact the student services office as early as possible at (334) 844-1050 for referral to the appropriate school or college within Auburn University, advising in prerequisites, checks for minimum GPA requirements, and course scheduling. *All information presented here is subject to change.* SFWS Student Services: PHONE (334) 844-1001, FAX (334) 844-8093. Current information: [http://bulletin.auburn.edu/undergraduate/schoolofforestryandwildlifesciences/sustainablebiomaterialsandpackaging\\_major/](http://bulletin.auburn.edu/undergraduate/schoolofforestryandwildlifesciences/sustainablebiomaterialsandpackaging_major/)

Name:

ID#: