

# FOREST RENEWABLE MATERIALS/MARKETING AND MANAGEMENT, ASSOCIATE OF SCIENCE

Renewable Materials is a multidisciplinary program that prepares students to work with renewable, plant-based materials to solve challenging world problems. Renewable materials such as wood, bamboo, canes, and agricultural fibers are examined to understand their characteristics and how to make useful products. Students gain broad perspectives on current issues associated with the sustainable utilization of renewable materials, including global trade, business innovation, energy production, and environmental impacts.

The management and marketing option provides students with the skills to manage organizations or devise new marketing strategies to compete in the global wood products industry.

This degree was designed to transfer to Oregon State University's College of Forestry. Other transfer options may be available, consult your advisor for details. Check out the Forestry/Natural Resources program website!

The forestry field is projected to have many career opportunities coming up in the next decade as many forestry and natural resources professionals retire in the next few years. Students who enjoy working outdoors and want to have a career that focuses on managing our valuable forest lands to conserve and protect resources as well as produce valuable products for society should consider this degree.

## GRADUATION REQUIREMENTS

Students must complete a minimum of 92 credit hours with a cumulative Grade Point Average (GPA) of 2.0 or better. All courses must be completed with a grade of 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the degree is awarded.

Courses that are developmental in nature, (designed to prepare students for college transfer courses), are not applicable to this degree.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

## PROGRAM STUDENT LEARNING OUTCOMES

Upon successful completion of this program, the student will be able to:

- Demonstrate fundamental knowledge of wood and similar renewable materials that make them challenging to utilize as industrial and building materials.
- Demonstrate command of renewable material moisture content and specific gravity calculations.
- Demonstrate ability to find, compile, analyze, and communicate technical communication.

- Demonstrate familiarity with the diverse complexity of the Renewable Materials industry, and the challenges it faces with balancing business and environmental goals.
- Demonstrate a combination of technical and business acumen that allows effective management of process and people.
- Demonstrate ability to creatively self-direct learning outcomes within the classroom environment and/or through independent undergraduate research.
- Gain information and knowledge to become a better global citizen.

## PRE-PROGRAM COURSES

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

Code	Title	Credits
CIS90	Computer Basics	2
MTH95	Intermediate Algebra	4
WR90R	Academic Literacy (or placement in higher writing course)	4

## PROGRAM GUIDE

Course	Title	Credits
<b>First Year</b>		
<b>Fall</b>		
CHEM221	General Chemistry I	5
F111	Introduction to Forestry	3
WR121	English Composition	4
Western Culture <sup>3</sup>		3
		Credits
		15
<b>Winter</b>		
CHEM222	General Chemistry II	5
CIS125S	Spreadsheet Applications	3
F250	Forest Biology	4
Literature and the Arts <sup>2</sup>		3
		Credits
		15
<b>Spring</b>		
SP111	Fundamentals of Public Speaking	3
WR227	Report Writing	4
PE231	Wellness for Life	3
Difference, Power, and Discrimination <sup>5</sup>		3
Specific Elective <sup>1</sup>		3
		Credits
		16
<b>Second Year</b>		
<b>Fall</b>		
MTH111	College Algebra	4
BA250	Small Business Management Entrepreneurship	3
CIS125P	Presentation Applications	1
ECON201	Microeconomics	4
Cultural Diversity <sup>4</sup>		3
		Credits
		15

<b>Winter</b>		
BA212	Principles of Accounting II <sup>7</sup>	4
ECON202	Macroeconomics	4
MTH241	Calculus for Bus and Soc Science I	4
or MTH251	or Calculus I Differential Calculus	
F180	Internship: Forestry <sup>6</sup>	3
or NR180	or Internship: Natural Resources	
Credits		15
<b>Spring</b>		
BA213	Principles of Accounting III	4
BA230	Business Law	4
CIS125IL	Computer Applications: Illustrator	3
F241	Dendrology	5
Credits		16
Total Credits		92

<sup>1</sup> Total of three (3) credits of F or NR courses not already required for the degree may be taken in any term.

<sup>2</sup> Literature and the Arts: ART204, ART205, ART206, ENG104, ENG105, ENG106, ENG107, ENG108, ENG109, ENG201, ENG204, ENG205, ENG206, ENG262, MUS201, MUS202, MUS203.

<sup>3</sup> Western Culture: ART204, ART205, ART206, ENG107, ENG108, ENG109, ENG201, ENG204, ENG205, ENG206, HST101, HST102, HST103, HST201, HST202, HST203, MUS201, MUS202, MUS203, PHL101, PHL102.

<sup>4</sup> Cultural Diversity: ANTH224, ANTH230, ANTH231, ANTH232, HST104, HUM204, HUM205, HUM206

<sup>5</sup> Difference, Power, and Discrimination: HST201, HST202, HST203, SOC206, SOC213

<sup>6</sup> Schedule an appointment with the Internship Coordinator a month prior to term. 541-888-7405.

<sup>7</sup> BA212 has a prerequisite of BA211 or AC2764.

\* All Honors courses may substitute for their equivalent requirements.