

# FOREST OPERATIONS, BIOPRODUCTS & BIOENERGY CURRICULUM

Version March 20, 2017

<b>Semester 1</b>	<b>Cr</b>	<b>Semester2</b>	<b>Cr</b>
SFR 101 - Introduction to Forest Resources	1	SFR 100 - Introduction to Forest Biology	3
SFR 103 - Introduction to Forest Resource Professions	1	SFR 102 - Biology of Woody Plants Laboratory	1
SFR 106 - Forest Land Navigation and Outdoor Preparedness	1	SFR 201 - Wildland Firefighter Preliminary Training	0
SFR 107 - Forest Vegetation	3	SFR 205 - Forest Measurements & Statistics	3
ENG 101 - College Composition	3	SFR 222 - Environmental Communication Skills OR CMJ	3
MAT 126 - Calculus	4	ECO 120 - Principles of Microeconomics	3
Elective & General Education Courses:	3	Elective & General Education Courses:	3
Total	16	Total	16
<b>May Term (register in Feb)</b>		SFR 207 - Forest Inventory & Management	1
		SFR 209 - Fire and Chainsaw Training	1
<b>Semester 3</b>		<b>Semester 4</b>	
SFR 208 - Geomatics, Coordinate Geometry & GPS	4	SFR 215 - Introduction to Bioproducts & Bioenergy	3
SFR 458 - Tree pests and disease lab	1	SFR 400 - Applied GIS	4
ECO 121 - Principles of Macroeconomics	3	CHY 121/123 - Introduction to Chemistry	4
PHY 107, PHY 111, or PHY 121 - Physics	4	EES 140 - Soil Science	3
BUA 201 - Principles of Financial Accounting	3		
Total	15	Total	14
SFR 213 - Forest Operations Field Tour	1	<b>Winter Term (register as spring semester class)</b>	
<b>Semester 5</b>		<b>Semester 6</b>	
SFR 401 - Timber Harvesting	3	SFR 402 - Advanced Forest Measurements and Models	3
SFR 349 - Applied Forest Ecology and Silviculture*	4	SFR 453 - Biocomposite Materials (Spr, even yrs)	4
SFR 450 - Processing of Bioproducts (fall, even yrs; if odd year, take SFR 455)	4	SFR 460 - Forest Operations and Mill Tour	1
Elective & General Education Courses:	3	WLE 431 - Wildlife Mgt for Forestry*	3
		BUA Elective	3
Total	14	Total	14
<b>Semester 7</b>		<b>Semester 8</b>	
SFR 444/544 - Forest Resource Economics	3	SFR 446 - Forest Resources Policy	3
SFR 477/577 - Forest Landscape Management & Planning	3	SFR 464 - Forest Resources Business, Marketing, & Entrepreneurship	3
SFR 455 - Bioenergy Sources, Systems, and Environmental Effects (if even year, take SFR 450)	3	SFR 492 - Capstone Directed Study **	3
Technical Elective - Elective related to FBB; approved by advisor	3	ENG 317 - Technical Writing	3
Total	12	Elective & General Education Courses:	4
		Total	16
<b>TOTAL CREDITS 120</b>			
* For students wanting to work on a forest management plan for a capstone project, take SFR 407/408/409 in place of SFR 349 and WLE 230			
** SFR 492 can be taken over 1 or 2 semesters, 1 to 4 credits per semester with advisor approval. A minimum of 3 credits is needed for graduation, and a maximum of 4 credits can be earned.			
<b>Total Electives: 9</b>			
A minimum of 6 cr are needed for General Education Requirements in Western Cultural Tradition, Cultural Diversity/International Perspectives, and Artistic and Creative Expression.			



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