

## SECTION III: DEPARTMENT OF FORESTRY

**2018-2019 Forestry Major**  
**Forest Products Concentration (FO/FP)**  
**Total Hours = 128**

### Freshman Year

Fall Semester		Spring Semester	
BIO 1134	Biological Sciences I	AEC 2713	Intro to Food and Res. Economics
CH 1043	Survey of Chemistry I	BIO 1144	Biological Sciences II
EN 1103	English Comp. I (ACT English subscore 17)	CH 1053	Survey of Chemistry II (CH 1043)
<b>FO 1101</b>	<b>Forest Resources Survey</b>	CO 1003	Public Speaking
MA 1613	Calc. for Bus. and Life Sc. (C in MA 1313 or ACT math subscore 24)	EN 1113	English Comp. II (EN 1103)
SBP 1103	Intro to Sustainable Bioproducts		

### Sophomore Year

Fall Semester		Spring Semester	
<b>FO 2113</b>	<b>Dendrology</b> (BIO 1144 or 2113)	<b>FO 3103</b>	<b>Computer Appl. For. Resources</b>
PH 1113	General Physics (MA 1323 or ACT math subscore 26)	<b>FO 2213</b>	<b>Forest Measurements</b> (ST 2113)
PSS 3303	Soils (CH 1043)		Fine Arts Elective (3)
ST 2113	Intro to Statistics (C in MA 1313 or ACT math subscore 24)		FP Processing Elective (3)
FP 4013	Wood Anatomy (SBP 1103) (FL Even)		FP Elective (3)

### Summer Field Program

- FO 3012 Intro to Forest Communities** (PSS 3303, FO 2113)  
**FO 3015 Forest Description and Analysis** (FO 2213, ST 2113)  
**FO 4231 Introduction to Wood Supply Systems** (co-req. FO 3015)  
**WFA 3031 Introduction to Wildlife and Fisheries Practices** (JR)

### Junior Year

Fall Semester		Spring Semester	
EPP 3124	Forest Pest Management	AELC 3203	Prof. Writing in Ag, NR & Human Sci. (JR)(EN 1103, EN 1113)
<b>FO 4123</b>	<b>Forest Ecology</b> (FO 3012)	<b>FO 4113</b>	<b>Forest Res. Econ.</b> (AEC 2713)
<b>FO 4233</b>	<b>For. Op. and Harv.</b> (FO 3015, FO 4231)	<b>FO 4213</b>	<b>Forest Biometrics</b> (ST 2113 or equivalent)
FP Elective (3)		<b>FO 4223/4221</b>	<b>Practice of Silviculture and Lab</b> (FO 4123)
		SBP 3113	Biomaterial Physics and Mechanics (MA 1323)

### Senior Year

Fall Semester		Spring Semester	
<b>FO 4313</b>	<b>Spatial Tech. in Nat. Res.</b> (FO 3015)	<b>FO 4413</b>	<b>Natural Res. Policy</b> (SR)
<b>FO 4323</b>	<b>For. Res. Mgt.</b> (FO 4113, FO 4213, FO 4223, FO 4233)	<b>FO 4423</b>	<b>Prof. Practice</b> (FO 4323)
<b>WFA 4153</b>	<b>Prin. Wildlife Cons. and Mgt.</b> (SO)(WFA 3133 or FO 4123)		FP Elective (3)
FP Elective (3)			Humanities Elective (3)
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\*Major courses are bolded. Grades of C or better are required in these courses.

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### 2018-2019 Approved Elective List Forestry - Forest Products Concentration

#### Forest Products Processing Electives (3 hours)

FP 4123	Lumber Manufacturing (FL Even)
FP 4223	Furniture Production I (FL Odd) (SBP 1103)
SBP 2012	Intro to Bioproduct Industry
SBP 2123	Mat Proc Sustain Bioproduct (SBP 2012)
SBP 4143	Biocomposite Application and Manufacturing (SPB 4113)
SBP 4253	Quantitative Methods in Sustainable Bioproducts (MA 1313, MA 1323, SBP 2123)

#### Forest Products Electives (12 hours)

FP 4223	Furniture Production I
FP 4233	Furniture Production II (SBP 1103)
FP 4313	Environmental Principles (SBP 2012)
FP 4423	Mech. Properties of Wood (SBP 1103, MA 1613, PH 1113)
SBP 2012	Introduction to Bioproduct Industry
SBP 2123	Mat Proc Sustain Bioproduct.
SBP 4023	Lignocellulosic Biomass Chemistry (CH1043 and CH 1053 or equivalent)
SBP 4113	Adhesives and Biocomposites (SBP 2123, SBP 3113, SBP 3123, CH 1053) (FL Odd)
SBP 4123	Deterioration and Reserv Biomat (SBP 1103) (FL Even) (Consent of Instructor)
SBP 4144	Biocomposite Application and Manufacturing (SBP 2123, SBP 3113, SBP 3123, SBP 4113)
SBP 4213	Deterioration and Preservation of Biomaterials
SBP 4253	Quantitative Methods in Sustainable Bioproducts (MA 1313, MA 1323, SBP 2123)

#### Fine Arts (3 hours)

ARC 1013	Architectural Appreciation
ART 1013	Art History I
ART 1023	Art History II
CO 1503	Intro. to Theater
LA 1803	Landscape Architecture Appr.
MU 1103/AAS 1103	African American Music
PE 1323	History and Appr. of Dance
PSS 2343	Floral Design
TKI 2413	Hist. and Appr. of the Arts

#### Humanities (6 hours)

ARC 2313/3313	History of Architecture
EN 2203	Intro. to Literature (EN 1103, EN1113)
EN 2213/2223	English Literature (EN 1103, EN1113)
EN 2243/2253	American Literature (EN 1103, EN1113)
EN 2273/2283	World Literature (EN 1103, EN1113)
FL 1113/1123	Elem. Foreign Language <sup>1</sup>
HI 1063/1073	Early or Modern US History
HI 1163/1173	World History I or II
HI 1213/1223	Early or Modern Western World
HI 1313/1323	East Asian Civilizations I or II
PHI 1103	Intro. to Philosophy
PHI 1123	Intro. to Ethics
REL 1103	Intro. to Religion
REL 3213	World Religions I
REL 3223	World Religions II

<sup>1</sup> French, German, Greek, Japanese, Latin, Russian and Spanish

#### Approved Substitutions List for Forest Products Concentration

Required Courses	Approved Substitutions
AEC 2713 Intro to Food & Resource Economics	EC 2113 Macroeconomics (SO) or EC 2123 Microeconomics (SO)(EC 2113)
AELC 3203 Prof. Writing in Ag, NR & Human Sci.	EN 3313 Writ. for the Workplace (EN 1113) or MGT 3213 Organ. Comm. (JR) (EN 1113)
MA 1613 Business Calculus	MA 1713 Calculus (Act math subscore 26 or MA 1323 or MA 1453)
ST 2113 Intro to Statistics	MA 2113 Intro to Statistics, MA 3123 or ST 3123 Statistics Inference (All require C in MA 1313 or ACT math subscore 24)
CH 1043 Survey of Chemistry I	Any higher level chemistry course
CH 1053 Survey of Chemistry II	Any higher level chemistry course
FPS 4013 Wood Anatomy	SBP 1203 Anatomy Wood Nat Mat (SBP 1103)