CURRICULUM FOR <u>FOREST ENGINEERING</u> OPTION (BIOSYSTEMS ENGINEERING DEPARTMENT)

FRESHMAN YEAR							
	COMP 1200 Intro to Computing	2			ENGR 1110 Intro to Engineering	2	
	MATH 1610 Calculus 1	4			MATH 1620 Calculus II	4	
	CHEM 1030 Chemistry 1	3			PHYS 1600 Engr Physics 1	4	
	CHEM 1031 Chemistry 1 Lab	1			ENGL 1120 English Composition II	3	
	*Tech & Civilization 1 or World History 1	3			*Tech & Civilization II or World History II	3	
	ENGL 1100 English Composition 1	3					
	ENGR 1100 Engineering Orientation	0					
		16				16	
SOPHOMORE YEAR							
	BSEN 2210 Engng Methods for Biosystems	2			MATH 2650 Linear Differential Equations	3	
	ENGR 2010 Thermodynamics	3			ENGR 2350 Dynamics	3	
	ENGR 2050 Statics	3			STAT 3010 Statistics for Engineers & Scientists	3	
	MATH 2630 Calculus III	4			ENGR 2070 Mechanics of Materials	3	
	BIOL 1020 Principles of Biology	4			CHEM 1040/1041 Chemistry II and Lab	4	
		16				16	
	SUMMER PRACTICUM						
	FORY 3020 Forest Biology	3					
	FORY 3050 Field Mensuration	4					
	FORY 3060 Forest Management	1					
	FOEN 3040 Forest Surveying	2					
		10					
JUNIOR YEAR							
	BSEN 3210 Mech Power for Biosys	3			BSEN 3230 Natural Resource Conserv Engng	3	
	BSEN 3310 Hydraulic Transport in Biosys	4			Fine Arts Core	3	
	FORY 3180 Measurements I	3			Social Science Core+	3	
	FORY 3100 Dendrology	3			CIVL 3310 Geotechnical Engng 1	4	
		13				13	
SENIOR YEAR							
	BSEN 5220 Geospatial Tech for Biosys	3			BSEN 4310 Engng Design for Biosystems	3	
	BSEN 4300 Professional Pract in Biosys Eng.	2			Forest Engineering Elective	3	
	BSEN 5560 Site Design for Biosys	3			PHIL 1020/1040 Ethics	3	
	FOEN 5710 Timber Harvesting Methods#	3			Core Literature	3	
	FORY 5230 Silviculture	4			UNIV 4AA0 EN1 Undergrad Graduation	0	
		15	1			12	

Total 127 SEMESTER HOURS

*The AU Bulleting lists the University Core Curriculum requirements for students in the College of Engineering. Students must complete a sequence in either Literature or History.

Students should complete the World History or Tech and Civ Course sequence to ensure that all SLOs are met.

+ ECON 2020 preferred. ; #Course is only offered every other even years

Approved Electives

BSEN 3610 Instrumentation and Controls in Biosystems	BSEN 5230 Waste Management Utilization
FOEN 5230 Engineered Wood Structures	BSEN 4250 Hydraulic Control Systems Design
BSEN 5540 Biomass and Biofuels Engineering	BSEN 5260 Renewable Energy Engineering in Biosystems
BSEN 5510 Ecological Engineering	INSY 3600 Engineering Economy
BSEN 5560 Site Design	CIVL 3310 Geotechnical Engineering 1
BSEN 3240 Process Engineering in Biosystems	

<u>Only academic advisors in Student Services</u> may mark on this curriculum sheet. Other marks or alterations of this document <u>could result in delayed graduation</u>.

Reviewer: