

**Bachelor of Science in Engineering + Design Ethnography  
Four-Year Course Plan (2018-19)**

FIRST-YEAR	FALL		SPRING	
	MATH 170: Calculus I (DLM)	4	MATH 175: Calculus II	4
	ENGL 101: Introduction to College Writing	3	UF 100: Intellectual Foundations	3
	CHEM 111/111L: General Chemistry I & Lab	4	PHYS 211/211L: Physics II with Calculus and Lab	5
	ENGR 120: Intro to Engineering (3 credits) or ENGR 130: Intro to Engineering Applications (4 credits) (FN)	3-4	ME 105 Mechanical Engineering Graphics*	3
	<b>Semester Total</b>	<b>14-15</b>	<b>Semester Total</b>	<b>14-15</b>

\*May substitute CE 286 Introduction to AutoCAD for Civil Engineers (2 credits)

SOPHOMORE	FALL		SPRING	
	MATH 275: Multivariable and Vector Calculus	4	ENGR 280: Engineering Design I	3
	ENGR 210: Engineering Statics	3	MATH 333: Differential Equations with Matrix Theory	4
	PHYS 212/212L: Physics II with Calculus and Lab (5 credits)**	5	CS 117: C++ for Engineers (3 credits) or CS 121: Intro to CS (4 credits)	3-4
	ENGL 102: College Writing and Research	3	Social Science (PSYC 101: General Psychology recommended) (FS)	3
			UF 200: Civic & Ethical Foundations	3
<b>Semester Total</b>	<b>15</b>	<b>Semester Total</b>	<b>16-17</b>	

\*\* May substitute CHEM 112/112L (4 credits), however, PHYS 212/212L is required for ECE 210. CHEM 112/112L may be required for other upper division engineering electives. Please consult with an advisor regarding your degree goals.

JUNIOR	FALL		SPRING	
	ENGR 240: Electrical and Electronic Circuits or ECE 210: Introduction to Electrical Circuits I	3	ENGR 380: Engineering Design II (CID)	3
	MATH 360: Engineering Statistics or MATH 361: Probability and Statistics I	3	Engineering Elective	3
	Social Science (ANTH 102: Cultural Anthropology recommended) (FS)	3	ETHNO 461: Ethical Ethnography (1 credit) ETHNO 464 Just Enough Research (1 credit) ETHNO 467: Going Deeper with Theory (1 credit)	3
	MSE 245/245L: Introduction to Material Science Engineering	4	Engineering Elective (upper division)	3
	ETHNO 460: Ethnography at the Speed of Industry (1 credit) ETHNO 462: Asking and Listening (1 credit) ETHNO 463: Contextual Inquiry (1 credit)	3	Literature & Humanities (E+ Pathway related choice recommended) (FH)	3-4
	<b>Semester Total</b>	<b>16</b>	<b>Semester Total</b>	<b>14-15</b>

SENIOR	FALL		SPRING	
	E+ Pathway Electives	7	ENGR 480: Engineering Design III (FF)	4
	ETHNO 465: Ethnography for Design ETHNO 466: Planning Productive Fieldwork ETHNO 468: Lean and Rapid Reporting	3	Engineering Electives (upper division)	9
	Engineering Elective (upper division)	3	ETHNO 469: Design Ethnography Capstone	3
	Visual and Performing Arts (E+ Pathway related choice recommended) (FA)	3		
	<b>Semester Total</b>	<b>16</b>	<b>Semester Total</b>	<b>16</b>

TOTAL PROGRAM CREDITS: **120-125**