

Computer Engineering Degree Plan

First Term				
✓	Class	Title	Cr	Prerequisite
	SWE 110	Computer Programming I: C	4	High school algebra
	HUM120 Or HUM130	Modern Art History	3	None
	MATH 143	Calculus I	4	MATH115
	ENG100	English Composition	3	Placement Test
Second Term				
✓	Class	Title	Cr	Prerequisite
	SCI145	Physics I	4	MATH143
	SWE212	Computer Programming II: Java	4	SWE110
	MATH144	Calculus II	3	MATH143
	HUM122 Or HUM125	World Music Music in Western Culture	3	None
Third Term				
✓	Class	Title	Cr	Prerequisite
	GEN 270	Engineering Project Management	3	ENG100
	GEN 310	Engineering Mathematics I: Discrete Math	4	MATH144
	MATH 245	Calculus III	3	MATH144
	SCI 245	Physics II	4	SCI145
	SWE 310	Data Structures and Algorithms	4	SWE110
Forth Term				
✓	Class	Title	Cr	prerequisite
	GEN 295	Sophomore Project	3	GEN 270
	ELE 270	Electric Circuits	4	SCI245
	SWE 220	Programming Environments: Unix/Linux	3	SWE110
	SWE 315	Computer Programming III: OOP/C++/C#	4	SWE310
	HUM227 or HUM230	Film History History of Animation	3	EN100

Computer Engineering Degree Plan Continued

Fifth Term				
✓	Class	Title	Cr	prerequisite
	ENG227 Or ENG228	Scriptwriting Creative Writing	3 3	ENG100 ENG100
	HUM200	History of the Modern World	3	ENG100
	ELE 320	Electronic Devices I	4	ELE270
	SWE350	Embedded Software Systems	3	Corequisite: SWE351 or ELE370
	SWE 351	Computer Architecture	3	SWE310
Sixth Term				
✓	Class	Title	Cr	prerequisite
	CPE	Elective	4	
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	ELE 321	Electronic Devices II	4	ELE320
	SWE 320	Operating Systems	3	SWE315,SWE351
	SSC200	U.S. Government	3	ENG100
Seventh Term				
✓	Class	Title	Cr	prerequisite
	ELE 350	Digital Circuits I: Design	4	ELE321
	SWE 330	Compiler Design	3	SWE320, SWE340
	ENG310 Or ENG320	Classics of Western Drama Classics of World Drama	3 3	ENG210 and HUM227 or HUM230 ENG210 and HUM227 or HUM230
	HUM361	Contemporary Ethical Issues	3	HUM200 and SSC200 and ENG210
	GEN 480	Senior Project I: Design and Proposal	3	Senior standing, permission of adviser
Eighth Term				
✓	Class	Title	Cr	prerequisite
	SSC332	Global Political Economics	3	HUM200 and SSC200
	HUM400	General Education Capstone Research Project	3	ENG310 or ENG320 and SSC322 and HUM361 and senior status
	CPE	Elective	4	
	GEN 485	Senior Project II: Implementation	3	GEN480
	ELE 366	Digital Circuits II: Test	4	ELE 350