

**Bachelor of Science - Computer Engineering  
First Time Freshman Academic Roadmap**

Year 1: Freshman Year				Year Total				28
Fall Semester	Term Offered	Prerequisite Courses	Units	Spring Semester	Term Offered	Prerequisite Courses	Units	
CSE 2010	Fall & Spring	CSE 1250 or Instructor Consent	4	CSE 2020	Fall & Spring	CSE 2010 and MATH 2372 or MATH 2720	4	
MATH 2210 (GE B4)	Fall & Spring	MATH 1401 or 1403, or Placement Exam	4	MATH 2220	Fall & Spring	MATH 2210	4	
MATH 2372	Fall & Spring		3	Foundation Seminar (GE E)	Fall & Spring		3	
Written Communication (GE A2)	Fall & Spring		3	Oral Communication (GE A1)	Fall & Spring		3	
<b>Semester Total</b>			14	<b>Semester Total</b>			14	

Year 2: Sophomore Year				Year Total				33
Fall Semester	Term Offered	Prerequisite Courses	Units	Spring Semester	Term Offered	Prerequisite Courses	Units	
CSE 2130	Fall & Spring	CSE 2010	3	CSE 3100	Fall & Spring	CSE 2010	4	
MATH 2310	Fall & Spring	MATH 2210 and MATH 2220 (Pre/Coreq)	4	MATH 2265	Fall & Spring	MATH 2210 (Pre/Coreq)	3	
PHYS 2500 (GE B1)	Fall	MATH 2210; MATH 2220 (Corequisite)	4	PHYS 2510	Spring	MATH 2220 and PHYS 2500	4	
PHYS 2500L (GE B3)	Fall	PHYS 2500 (Corequisite)	1	PHYS 2510L	Spring	PHYS 2510 (Corequisite)	1	
General Education	Fall & Spring		3	General Education	Fall & Spring		3	
General Education	Fall & Spring		3					
<b>Semester Total</b>			18	<b>Semester Total</b>			15	

Year 3: Junior Year				Year Total				33
Fall Semester	Term Offered	Prerequisite Courses	Units	Spring Semester	Term Offered	Prerequisite Courses	Units	
CSE 3350	Fall	MATH 2220 and MATH 2310	3	CSE 4030	Fall & Spring	CSE 3100 and CSE 3350	4	
CSE 4010	Fall & Spring	CSE 2130 and CSE 3100	4	CSE 4100 or CSE 5300	Varies	Varies	3	
CSE 4600	Fall & Spring	CSE 2130	3	CSE 4560	Fall & Spring	CSE 2130 and CSE 3100	4	
General Education	Fall & Spring		3	General Education	Fall & Spring		3	
General Education	Fall & Spring		3	General Education (UD)	Fall & Spring		3	
<b>Semester Total</b>			16	<b>Semester Total</b>			17	

Year 4: Senior Year				Year Total				31
Fall Semester	Term Offered	Prerequisite Courses	Units	Spring Semester	Term Offered	Prerequisite Courses	Units	
CSE 5208 (WI)	Fall	Senior Standing	4	CSE 4310 or CSE 5350	Varies	CSE 2020 and MATH 2310	3	
CSE 5210	Fall	CSE 4010	4	CSE 5408 (GE B5)	Spring	CSE 5208	4	
CSE 5410	Fall	CSE 3100 and MATH 2310	4	CSE Elective (CSE 4000+)	Fall & Spring	Varies	3	
CSE Elective (CSE 4000+)	Fall & Spring	Varies	3	CSE Elective (CSE 4000+)	Fall & Spring	Varies	3	
				General Education (UD)	Fall & Spring		3	
<b>Semester Total</b>			15	<b>Semester Total</b>			16	
							<b>Degree Units Total</b>	<b>125</b>