

Computer Engineering Curriculum Schedule (starting with Calculus I)

First Semester	15	Second Semester	16
APMA 1090 Single Variable Calculus I	4	APMA 1110 Single Variable Calculus II	4
CHEM 1410 Intro Chem. Engineers	3	CS 111x Intro Programming	3
CHEM 1411 Intro Chem. Engineers Lab	1	PHYS 1425 General Physics I	3
ENGR 1620/ Introduction to Engineering	4	PHYS 1429 Physics I Workshop	1
STS 1500 Science Tech, Contemp Issues	3	HSS 1 HSS elective	3
		UE Unrestricted elective *	2

Third Semester	17	Fourth Semester	17
APMA 2120 Multivariable Calculus	4	APMA 2130 Ordinary Diff EQ	4
CS 2110 Software Devlpmnt Meth	3	CS 2150 Program/Data Rep	3
CS 2102 Discrete Math	3	ECE/CS 2330 Digital Logic Design	3
ECE 2630 ECE Fundamentals I	4	ECE 2660 ECE Fundamentals II	4
HSS 2 HSS elective	3	STS 2xxx STS Elective	3

Fifth Semester *	15	Sixth Semester	16.5
ECE 3430 Intro Embedded Comp Sys	4	APMA 3100 Probability	3
ECE 3750 ECE Fundamentals III	4	ECE 4435 Comp Arch and Design	4.5
CS/ECE Elective (3000 or above)	3	CS 3240 Advanced SW Devlpmnt	3
PHYS 2415 Physics II	3	CS/ECE Elective (3000 or above)	3
PHYS 2419 Physics II Workshop	1	HSS 3 HSS elective	3

Seventh Semester	17	Eighth Semester	15
ECE 4440 Embedded Sys Dsgn (MDE)	4.5	CS 4414 Operating Systems	3
CS/ECE 445 Computer Networks	3	CS/ECE Elective (4000 or above)	3
CS/ECE Elective (4000 or above)	3	UE Unrestricted elective	3
UE Unrestricted elective	3	Math/Sci Math/Science Elective	3
STS 4500 STS & Engineering Practice	3	STS 4600 Engr Ethics Prof Respsblt	3

* Fifth Semester Alternative	15
ECE 3430 Intro Embedded Comp Sys	4
ECE 3750 ECE Fundamentals III	4
ECE 3209 Electromagnetic Fields	4
UE Unrestricted Elective	3

* APMA 1090 is in the math/science elective slot (which was moved to the 8th semester) in the 2nd semester. **APMA 1090 cannot count as the math/science elective** but rather counts as a UE. Because APMA 1090 is 4 credits, the UE course in the 2nd semester need only be 2 credits. It is unlikely that a student can find a 2 credit UE so this semester is more likely to require 17 credits than 16.

JBDugan Summer 2020
Reflects change in Chem from 1610/1611 to 1410/1411