Computer Engineering Curriculum Schedule

(Alternate schedule with Fun 1 in spring 2nd year)

First Semester		**15**
APMA 1110	Single Variable Calculus	4
CHEM 1610	Intro Chem. Engineers	3
CHEM 1611	Intro Chem. Engineers Lab	1
ENGR 1620/21	Introduction to Engineering	4
STS 1500	Science Tech, Contemp Issues	3

Second Semester		**17**
APMA 2120	Multivariable Calculus	4
CS 111x	Intro Programming	3
PHYS 1425	General Physics I	3
PHYS 1429	Physics I Workshop	1
SCI	Science Elective	3
HSS 1	HSS elective	3

Third Semester		**16**
APMA 2130	Ordinary Diff EQ	4
CS 2110	Software Devlpmnt Meth	3
CS 2102	Discrete Math	3
ECE/CS 2330	Digital Logic Design	3
HSS 2	HSS elective	3

Fourth Semester		**16**
CS 2150	Program/Data Rep	3
ECE 2630	ECE Fundamentals I	4
APMA 3100	Probability	3
STS 2xxx	STS Elective	3
UE 1	Unrestricted elective	3

Fifth Semester *		**17**
ECE 2660	ECE Fundamentals II	4
CS/ECE	Elective (3000 or above)	3
CS 3240	Advanced SW Devlpmnt	3
PHYS 2415	Physics II	3
PHYS 2419	Physics II Workshop	1
UE 2	Unrestricted elective	3

Sixth Semester		**17**
ECE 3750	ECE Fundamentals III	4
ECE 3430	Intro Embedded Comp Sys	4
UE 3	Unrestricted elective	3
CS/ECE	Elective (3000 or above)	3
HSS 3	HSS elective	3

Seventh Semester		**14**
ECE 4440	Embedded Sys Dsgn (MDE)	4.5
CS/ECE 4457	Computer Networks	3
CS/ECE	Elective (4000 or above)	3
STS 4500	STS & Engineering Practice	3

Eighth Semester		**16.5**
CS 4414	Operating Systems	3
CS/ECE	Elective (4000 or above)	3
ECE 4435	Comp Arch and Design	4.5
UE 4	Unrestricted elective	3
STS 4600	Engr Ethics Prof Respnsblty	3

*** Fifth Semester Alternative**		**17**
CS 3240	Advanced SW Devlpmnt	3
ECE 2660	ECE Fundamentals II	4
ECE 3209	Electromagnetic Fields	4
UE 5	Unrestricted Elective	3
UE 2	Unrestricted elective	3

JBDugan Fall 2018
reflects change of capstone to 4.5 credits and removal of 1.5 credit ECE 4550 requirement