

COMPUTER ENGINEERING CURRICULUM

Name: _____

FIRST SEMESTER		CREDIT HRS.	GRADE	COMMENTS OR NOTES
APMA 1110	Single Variable Calculus (111)	4		
CHEM 1610	Chemistry for Engineers (151)	3		
CHEM 1611	Chemistry for Engineers Lab (151L)	1		
ENGR 1620	Introduction to Engineering (162)	4		
STS 1010	Lang. Comm. And Tech. Soc. (101)	3		

Total 15 Credits

SECOND SEMESTER		CREDIT HRS.	GRADE	COMMENTS OR NOTES
APMA 2120	Multivariate Calculus (212)	4		
PHYS 1425	General Physics (142E)	3		
PHYS 1429	Physics Workshop (142W)	1		
CS 1110	Intro. to Computer Sci. (101)	3		
SCI	Science Elective ⁽²⁾	3		
HSS	HSS Elective ⁽¹⁾	3		

Total 17 Credits

THIRD SEMESTER		CREDIT HRS.	GRADE	COMMENTS OR NOTES
APMA 2130	Ordinary Diff. Equations (213)	4		
CS 2110	Software Develop. Meth. (201)	3		
CS 2102	Discrete Math I (202)	3		
ECE 2630	Introductory Circuit Analysis (203)	3		
HSS	HSS Elective ⁽¹⁾	3		

Total 16 Credits

FOURTH SEMESTER		CREDIT HRS.	GRADE	COMMENTS OR NOTES
CS 2150	Prog. & Data Representation (216)	3		
ECE/CS 2330	Digital Logic Design (230)	3		
ECE 2660	Electronics I (204)	4		
CS/ECE	Elective ^{(3) (5)}	3		
STS	STS Elective	3		

Total 16 Credits

FIFTH SEMESTER		CREDIT HRS.	GRADE	COMMENTS OR NOTES
CS/ECE 3330	Computer Architecture (333)	3		
ECE 3750	Signals & Systems (323)	3		
APMA 3100	Probability (310)	3		
PHYS 2415	Physics II (241E)	3		
PHYS 2419	Physics II Lab (241L)	1		
UE	Unrestricted Elective ⁽⁴⁾	3		

Total 16 Credits

SIXTH SEMESTER		CREDIT HRS.	GRADE	COMMENTS OR NOTES
CS 3240	Adv. Software Development (340)	3		
CS/ECE	Elective ^{(3) (5)}	3		
CS 4414	Operating Systems (414)	3		
HSS	HSS Elective ⁽¹⁾	3		
UE	Unrestricted Elective ⁽⁴⁾	3		

Total 15 Credits

SEVENTH SEMESTER		CREDIT HRS.	GRADE	COMMENTS OR NOTES
ECE 4435	Computer Org. & Design (435)	4.5		
CS/ECE 4457	Computer Networks (457)	3		
CS/ECE	Elective ^{(3) (5)}	3		
UE	Unrestricted Elective ⁽⁴⁾	3		
STS 4010	West. Technology & Culture (401)	3		

Total 16.5 Credits

EIGHTH SEMESTER		CREDIT HRS.	GRADE	COMMENTS OR NOTES
ECE 4440	Advanced Digital Design (436)	4.5		
CS/ECE	Elective ^{(3) (5)}	3		
UE	Unrestricted Elective ⁽⁴⁾	3		
STS 4020	The Engineer in Society (402)	3		
UE	Unrestricted Elective ⁽⁴⁾	3		

Total 16.5 Credits

⁽¹⁾ Chosen from the approved list available in A122 Thornton Hall.

⁽²⁾ Chosen from: among BIOL 2010, 2020; CHEM 1620; ECE 2066; MSE 2090; and PHYS 2620.

⁽³⁾ Students interested in selected advanced CS electives should consider CS 3102. Students interested in selected advanced ECE electives can delay this elective until the sixth semester and take another elective instead.

⁽⁴⁾ Unrestricted electives may be chosen from any graded course in the University except mathematics courses below MATH 1310 including STAT 1100 and 1120, and courses that substantially duplicate any others offered for the degree, including PHYS 2010, 2020; CS 1010, 1020; or any introductory programming course. Students in doubt as to what is acceptable to satisfy a degree requirement should get the approval of their advisor and the dean's office, located in Thornton Hall, Room A122. APMA 1090 counts as a three-credit unrestricted elective.

⁽⁵⁾ Chosen from CS/ECE course at the 3000 level or higher. Two CS/ECE electives must be 4000 level or above.