

BS/MS Computer Engineering Shared Credit Option
Effective Spring 2015

Total credit hours: ??; All grades must be a C or better in the Computer Engineering Program

MS: Total credit hours: 32; ~~8~~ ¹² credit hours of (400 or above) are shared from BS

12 First Year

Fall		Spring	
Course #	Credits	Course #	Credits
Math 162: Calculus I	4	Math 163: Calculus II	4
Phyc 160: General Physics I	3	Phyc 161: General Physics	3
ECE 101: Intro to ECE	1	Phyc 161L: General Physics Lab	1
ECE 131: Programming Fundamentals	3	ECE 231: Intermediate Programming	3
ENGL 110: Accelerated Composition	3	ENGL 120: Composition III	3
Total	14	Total	14

Second year

Fall		Spring	
Course #	Credits	Course #	Credits
ECE 203: Circuit Analysis I	3	ECE 213: Circuit Analysis II	3
ECE 238L: Computer Logic Design	4	ECE 206L: Instrumentation	2
Basic Science w/ Lab	4	Math 264: Calculus III	4
ENGL 219: Technical Writing	3	ECE 300: Advanced Engineering Math	4
ECON 105 or 106 * Macro/Microeconomics	3	*ECE 330: Software Design	3
Total	17	Total	16

Third Year

Fall		Spring	
Course #	Credits	Course #	Credits
*ECE 321L: Electronics II	4	**ECE 331: Data Structure Alg.	3
ECE 314: Signals and Systems	3	ECE 344L: Microprocessors	4
MATH 327: Discrete Struct.	3	ECE Track Elective**	3
ECE 340: Probabilistic Methods	3	Fine Arts	3
Foreign Language	3	Social Behavioral Science	3
Total	16	Total	16

Fourth Year

Fall		Spring	
Course #	Credits	Course #	Credits
ECE 419: Senior Design I	3	*ECE 420: Senior Design II	3
*ECE 437: Operating Systems	3	**ECE 440: Computer Networks	3
ECE Track Elective	3	ECE Tech Elective (4xx)	3
ECE Tech Elective	3	Graduate Major Core Course or Graduate Elective Course	3
Humanities Core Elective	3	Humanities Core Elective	3
Total	15	Total	15

Fifth Year

Course #	Credits	Course #	Credits
Graduate Major Core Course	3	Graduate Major Core Course or Graduate Elective Course	3
Graduate Major Core Course or Graduate Elective Course	3	Graduate Minor Core Course	3
Graduate Elective Course	3	MS Project (ECE551)	3
ECE 590: Graduate Seminar	1	ECE 590: Graduate Seminar	1
Total	10	Total	10

Note:

Shared credits: 12 credit hours counted towards the MS degree. Must be 400 or above

Graduate Courses: Must be 500 or above. Not more than 3 credit hours of ECE551.

*Course offered only in the Fall

**Course offered only in the Spring

*** Course designated for students with senior status only. Course prerequisites must be met for enrollment