COMPUTER ENGINEERING: SEMICONDUCTOR ENGINEERING, BS

FOUR-YEAR PLAN

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SAMPLE FOUR-YEAR PLAN

First Year

Fall	Credits	Spring	Credits
MATH 221	5	MATH 222	4
E C E/COMP SCI 252	3	PHYSICS 201	5
or Communications A		E C E 210	2
CHEM 103, 104, or 109	4-5	Communications A or	3
Liberal Studies Elective	3	E C E/COMP SCI 252	
	15-16		**14**

Second Year

Fall	Credits	Spring	Credits
E C E 203	3	MATH/COMP SCI 240	3
E C E/COMP SCI 352	3	E C E 222	4
MATH 234	4	E C E 230	4
PHYSICS 202	5	E C E 270	1
		COMP SCI 300	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
E C E 271	1	E C E/PHYSICS 235	3
E C E 353	3	E C E 551	3
E C E 340	3	E C E 555	3
E C E/COMP SCI 354	3	INTEREGR 397	3
COMP SCI 400	3	Liberal Studies Elective	3
Liberal Studies Elective	3		
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
E C E 315	1	E C E 453	4
E C E 335	3	COMP SCI/E C E 506, 536, 537, or 564	3
E C E 305	1	Computer Engineering Elective[1]	3
E C E 556	3	Professional Elective[1]	3
Probability and Statistics Elective	3	Liberal Studies Elective	3
Liberal Studies Elective	3		
	14		**16**

Total Credits 120-121

[1] Computer Engineering Elective II: E C E 445 Semiconductor Physics and Devices, E C E 535 Introduction to Quantum Sensing, E C E 549 Integrated Circuit Fabrication Laboratory, or E C E 553 Testing and Testable Design of Digital Systems
Professional Elective: E C E 541 Analog MOS Integrated Circuit Design, E C E 548 Integrated Circuit Design, E C E 549 Integrated Circuit Fabrication Laboratory, or E C E 553 Testing and Testable Design of Digital Systems