BS IN COMPUTER SCIENCE

Code	Title	Hours
ECON 1150	Principles Of Macroeconomics	3
or ECON 1200	Principles Of Microeconomics	
MATH 1850	Single Variable Calculus I	4
MATH 1860	Single Variable Calculus II	4
MATH 1890	Elementary Linear Algebra	3
MATH 2850	Elementary Multivariable Calculus	4
ENGL 1110	College Composition I	3
ENGL 2950	Technical Writing	3
or ENGL 2960	Professional and Business Writing	
PHIL 1010	Introduction To Logic	3
EECS 1030	Introduction to Computer Science and Engineering	3
EECS 1100	Digital Logic Design	4
EECS 1510	Introduction To Object Oriented Programming	4
EECS 2000	EECS Professional Development	1
EECS 2110	Computer Architecture and Organization	3
EECS 2500	Linear Data Structures	4
EECS 2510	Non-Linear Data Structures	4
EECS 2520	Discrete Structures	3
EECS 3150	Data Communications	3
EECS 3540	Systems And Systems Programming	3
EECS 3550	Software Engineering	3
EECS 3560	Programming Languages and Paradigms	3
EECS 4010	Senior Design Project I	1
EECS 4020	Senior Design Project II	3
EECS 4100	Theory of Computation	3
EECS 4560	Database Systems I	3
EECS 4180: Computer Networks		3
EECS 4590	Algorithms	3
EECS 4760	Computer Security	3
EECS 3940	Co-Op Experience	1
EECS 3940	Co-Op Experience	1
EECS 3940	Co-Op Experience	1
MIME 4000	Engineering Statistics I	3
Social Sciences Core		3
Natural Science Core		3
Natural Science Core with Laboratory		4
Non-US Diversity		3
Arts/Humanities Core		3
EECS 3xxx/4xxx Electives		15
UT Core/US Diversity		3
Total Hours		**124**

First Year

First Term		Hours
ECON 1200	Principles Of Microeconomics	3
or ECON 1150	or Principles Of Macroeconomics	
PHIL 1010	Introduction To Logic	3
MATH 1850	Single Variable Calculus I	4
ENGL 1110	College Composition I	3
EECS 1030	Introduction to Computer Science and Engineering	3
	Hours	**16**

Second Term

Natural Science Core		3
EECS 1510	Introduction To Object Oriented Programming	4
EECS 2000	EECS Professional Development	1
ENGL 2950	Technical Writing	3
or ENGL 2960	or Professional and Business Writing	
MATH 1860	Single Variable Calculus II	4
	Hours	**15**

Second Year

First Term

Natural Science Core with Lab		4
EECS 1100	Digital Logic Design	4
EECS 2500	Linear Data Structures	4
MATH 2850	Elementary Multivariable Calculus	4
	Hours	**16**

Second Term

EECS 3940	Co-Op Experience	1
	Hours	**1**

Third Term

EECS 2110	Computer Architecture and Organization	3
EECS 2520	Discrete Structures	3
EECS 2510	Non-Linear Data Structures	4
MATH 1890	Elementary Linear Algebra	3
Arts/Humanities Core		3
	Hours	**16**

Third Year

First Term

EECS 3940	Co-Op Experience	1
	Hours	**1**

Second Term

EECS 3540	Systems And Systems Programming	3
EECS 3xxx/4xxx Electives: Technical Elective		3
EECS 3xxx/4xxx Electives:		3
Core Elective/ US Diversity		4
	Hours	**13**

Third Term

EECS 3940	Co-Op Experience	1
	Hours	**1**

Fourth Year

First Term

EECS 3150	Data Communications	3
EECS 3560	Programming Languages and Paradigms	3
MIME 4000	Engineering Statistics I	3

Social Science Core/Non- US Diversity		3
	Hours	**12**
Second Term		
EECS 4010	Senior Design Project I	1
EECS 4560	Database Systems I	3
EECS 4100	Theory of Computation	3
EECS 3550	Software Engineering	3
EECS 4180	Computer Networks	4
EECS 3xxx/4xxx Elective		3
	Hours	**17**
Third Term		
EECS 3940	Co-Op Experience	1
	Hours	**1**
Fifth Year		
First Term		
EECS 4020	Senior Design Project II	3
EECS 4590	Algorithms	3
EECS 4760	Computer Security	3
EECS 4xxx Technical Elective		3
EECS 4xxx Technical Elective		3
	Hours	**15**
	Total Hours	**124**

- PLO CAC Outcome #1: Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
- PLO CAC Outcome #2: Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
- PLO CAC Outcome #3: Communicate effectively in a variety of professional contexts.
- PLO CAC Outcome #4: Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
- PLO CAC Outcome #5: Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
- PLO CAC Outcome #6: Apply computer science theory and software development fundamentals to produce computing-based solutions.