COMPUTER SCIENCE

Catalog Term: Fall 2018

15 FRESHMAN 15	
FALL	**SPRING**
ENGL 101 (3) College English I Grade C- or better	ENGL 102 (3) College English II Prereq: ENGL 101 Grade C- or better
MATH 242 (5) Calculus I Prereq: See Course Catalog	MATH 243 (5) Calculus II Prereq: MATH 242 Grade C or better
PHIL 125 (3) Introductory Logic Note c	General Education H/FA/S&BSc (3) Note b
CS 194 (4) Introduction to Digital Design Prereq: MATH 111 or equivalent	CS 211 (4) Intro to Programming Prereq: MATH 111 or equivalent

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FALL	**SPRING**
COMM 111 (3) Public Speaking Grade C-or better	General Education H/FA/S&BSc (3) Note b
MATH 321/CS 321 (3) Discrete Structures I Prereq: MATH 242 or equivalent Grade C or better	MATH 322 (3) Discrete Structures II Prereq: MATH 321 Grade C or better
PHYS 313 (4) Physics for Scientist I Coreq: MATH 243 Grade C or better	PHYS 314 (4) Physics for Scientist II Prereq: MATH 243 and PHYS 313 Grade C or better
CS 311 (4) Object-Oriented Programming Prereq: CS 211 Grade C- or better	PHYS 316 (1) University Physics Lab II Coreq: PHYS 314
	CS 238 (3) Assembly Language Programming Prereq: CS 211 Grade C- or better
	Engineer of 2020 Requirement (1 of 3)

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FALL	**SPRING**
IME 254 (3) Engineering Probability & Satistics I Prereq: MATH 243 or MATH 252 Grade C or better	PHIL 354 (3) Ethics and Computers **OFFERED SPRING ONLY** Prereq: Junior standing or Departmental consent Note c
IME 255 (3) Engineering Economy Coreq: MATH 242 or 251	MATH 511 (3) Linear Algebra Prereq: MATH 243 Grade C or better
General Education H/FA/S&BSc (3) Note b	CS 394 (3) Introduction to Computer Architecture **OFFERED SPRING ONLY** Prereq: CS 194 and CS 211 Grade C- or better
CS 400 (4) Data Structures Prereq: CS 311 Grade C- or better	CS 410 (3) Progamming Paradigms **OFFERED SPRING ONLY** Prereq: CS 311 Grade C- or better
Technical Elective (3) Note a	CS 480 (3) Introduction to Software Engineering **OFFERED SPRING ONLY** Prereq: CS 311 Grade C- or better
Engineer of 2020 Requirement (2 of 3)	Engineer of 2020 Requirement (3 of 3)

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FALL	**SPRING**
General Education H/FA/S&BSc (3) Note b	CS 464 (3) Computer Networks **OFFERED SPRING ONLY** Prereq: CS311 and IME 254 Grade C- or better
CS 510 (3) Programming Language Concepts **OFFERED FALL ONLY** Prereq: CS 311 and Math 322 Grades C- or better	CS 560 (3) Design and Analysis of Algorithms **OFFERED SPRING ONLY** Prereq: CS 400, MATH 322 & IME 254 Grade C- or better
CS 540 (3) Operating Systems Prereq: CS 238 & 311 Grades C- or better	CS 665 (3) Introduction to Database Systems **OFFERED SPRING ONLY** Prereq: CS 311 and Math 322 Grades C- or better
Technical Elective (3) Note a	Technical Elective (3) Note a
EE 585 (2) Senior Design Project I Prereq: Senior standing, CS 480 or EE 492 and PHIL 354 or 385 Grades C- or better in each	EE 595 (2) Senior Design Project II Prereq: EE 585 Grade C- or better
Technical Elective (3) Note a	

NOTES: (a) At least 6 of the 12 Technical Elective hours must be from the EECS Dept. Up to 2 credit hours of Co-op courses can be used as non-dept technical electives. (b) Humanities/Fine Arts/Social & Behavioral Science/Natural Science courses must be from an approved list which appears in the Schedule of Courses. (c) PHIL 125 counts as an introductory humanities General Education requirement. While PHIL 125 is recommended, PHIL 105 is also accepted. PHIL 354 fulfils Adv Issues & Perspective requirement. Prereq = Prerequisite. Coreq = Corequisite. All prerequisites for EECS courses must be passed with a C- or better.

Last Updated: 5/2018