COMPUTER SCIENCE



For students who are NOT required to take FYS

Catalog Term: Fall 2021 120 total credits Last updated: 12/2020

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	HMAN 15
FALL	SPRING
ENGL 101 (3) College English I	ENGL 102 (3) College English II
Grade C- or better	Prereq: ENGL 101 Grade C- or better
MATH 242 (5) Calculus I	MATH 243 (5) Calculus II
Prereq: See Course Catalog	Prereq: MATH 242 Grade C or better
CS 194 (4) Introduction to Digital Design Prereq: MATH 111 or equivalent Grade C- or better	PHIL 125 (3) Introductory Logic HU Note b
	CS 211 (4) Intro to Programming Prereq: MATH 111 or equivalent
	Grade c_ or better

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14 SOPHO	MORE 14
FALL	SPRING
COMM 111 (3)	General Education (3)
Public Speaking	FA/SB
Grade C-or better	Note c
MATH 321/CS 321 (3)	MATH 322 (3)
Discrete Structures I	Discrete Structures II
Discrete structures i	Discrete structures in
Prereq: MATH 242 or equivalent	Prereg: MATH 321
Grade C or better	Grade C or better
DHVC 242 (4)	DINC 244 (4)
PHYS 313 (4) Physics for Scientist I	PHYS 314 (4) Physics for Scientist II
Filysics for scientist i	Filysics for scientist if
Cncprereg: MATH 243	Prereg: MATH 243 and PHYS 313
Grade C or better	Grade C or better
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CS 311 (4)	PHYS 316 (1)
Object-Oriented Programming	University Physics Lab II
Prereq: CS 211	Cncprereg: PHYS 314
Grade C- or better	Chicprered. F1113 314
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	CS 238 (3)
	Assembly Language Programming
	Prereg: CS 211
	Grade C- or better
	Grade G- Of Detter
	Engineering+
	Requirement (1 of 3)
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16 JUN	IOR 15
FALL	SPRING
IME 254 (3) Engineering Probability & Satistics I	PHIL 354 (3) Ethics and Computers OFFERED SPRING ONLY
Prereq: MATH 243 or MATH 252	Prereq: Junior standing or
Grade C or better	Departmental consent Note d
IME 255 (3)	MATH 511 (3)
Engineering Economy	Linear Algebra
Cncprereq: MATH 242 or 251	Prereq: MATH 243
Grade C or better	Grade C or better
General Education	CS 394 (3)
SB/FA (3)	Introduction to Computer Architecture
Note c	Prereq: CS 194 and CS 211 Grades C- or better
CS 400 (4)	CS 510 (3)
Data Structures	Programming Language Concepts
Prereq: CS 311	Prereq: CS 311 and Math 322
Grade C- or better	Grades C- or better
CS 410 (3)	CS 580 (3)
Progamming Paradigms	Introduction to Software Engineering
Prereq: CS 311	Prereq: CS 311
Grade C- or better	Grade C- or better
Engineering+	Engineering+
Requirement (2 of 3)	Requirement (3 of 3)

17 SEN	IOR 17
FALL	SPRING
CS 664 (3) Computer Networks Prereq: CS311 and IME 254	CS 656 (3) Introduction to Cybersecurity Prereg: CS664
Grades C- or better	Grades C- or better
CS 540 (3) Operating Systems	CS 560 (3) Design and Analysis of Algorithms
Prereq: CS 238 and CS 311 Grades C- or better	Prereq: CS 400, MATH 322 & IME 254 Grades C- or better
EE 585 (2) Senior Design Project I	EE 595 (2) Senior Design Project II Note e
Prereq: Senior standing, CS 480 or EE 492 Cncprereq: PHIL 354 or 385 Grades C- or better in each	Prereq: EE 585 Grade C- or better
CS 665 (3) Introduction to Database Systems	Technical Elective (3)
Prereq: CS 311 and Math 322 Grades C- or better	Note a
Technical Elective (3)	Technical Elective (3)
Note a	Note a
Technical Elective (3)	Technical Elective (3)
Note a	Note a

NOTES: (a) At least 12 of the 15 Technical Elective hours **must be** from the EECS Dept. Up to 2 credit hours of Co-op courses can be used as **non-departmental** technical electives. (b) PHIL 125 fulfils HU requirement. (c) One of the General Education courses listed must be from FA, the other from SB; both must be from an approved list of courses. (d) PHIL 354 fulfils HU requirement. (e) EE 595 can only be taken if student received a C- or better in EE585 in exactly the previous long semester. All prerequisites for EECS courses must be passed with a C- or better.