

FIRST YEAR

FALL SEMESTER

WRIT 150 4	MATH 125 (GE F) 4	EE 109L 4	CSCI 103L (CSCI 109) 4	ENGR 102 2
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SPRING SEMESTER

PHYS 151L (GE E) MATH 125 or 126 or 226 4	MATH 126 or MATH 129 MATH 125 4	CSCI 104L CSCI 103L, (CSCI 170) 4	CSCI 170 CSCI 103L, 109 4	OPTIONAL ELECTIVE 2
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SECOND YEAR

FALL SEMESTER

PHYS 152L PHYS 151L, (MATH 226) 4	MATH 226 or MATH 229 MATH 126 or MATH 129 4	CSCI 201L CSCI 104 4	EE 209 EE 109 4	OPTIONAL ELECTIVE 2
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SPRING SEMESTER

GE C 4	MATH 225 MATH 126 or MATH 129 4	CSCI 270 CSCI 104L, 170 4	EE 354L EE 101 or 209 4	OPTIONAL ELECTIVE 2
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THIRD YEAR

FALL SEMESTER

GE A 4	EE 364 MATH 225 or 245 or MATH 407 MATH 226 3-4	WRIT 340 WRIT 150 4	EE 457 EE 354 4	OPTIONAL ELECTIVE 2-3
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SPRING SEMESTER

GE B 4	TECH. ELECTIVE I 4	CSCI 350 CSCI 201, EE 109 or EE 352 4	GE D 4	OPTIONAL ELECTIVE 2
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FOURTH YEAR

FALL SEMESTER

GE B 4	TECH. ELECTIVE II 4	CSCI 353 CSCI 201 4	EE 451L CSCI 201 or EE 454L EE 354 or EE 477L EE 354 4	OPTIONAL ELECTIVE 2
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SPRING SEMESTER

EE 451L CSCI 201 or EE 454L EE 354 or EE 477L EE 354 3-4	GE C 4	CSCI 401 CSCI 270, 310 or CSCI 404 CSCI 201, 270, ITP 466 or EE 459 EE 354 3-4	OPTIONAL ELECTIVE 6-8	
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MATHEMATICS (19-20 UNITS)

- MATH 125:** Calculus I
- MATH 126 or 129:** Calculus II
- MATH 226 or 229:** Calculus III
- MATH 225:** Linear Algebra & Diff. Equations
- EE 364:** Intro to Probability & Statistics or **MATH 407:** Probability Theory

PHYSICS (8 UNITS)

- PHYS 151L:** Mechanics and Thermodynamics
- PHYS 152L:** Electricity and Magnetism

GENERAL EDUCATION (32 UNITS)

- GE A** The Arts (1 Course)
- GE B** Humanistic Inquiry (2 Courses)
- GE C** Social Analysis (2 Courses)
- GE D** Life Sciences (1 Course)
- GE E** Physical Sciences (1 Course)
- GE F** Quantitative Reasoning (1 Course)
- GE G, H** Global Perspectives (2 Courses)*
- GESM** General Education Seminar (1 Course)*

WRITING (7 UNITS)

- WRIT 150:** Writing and Critical Reasoning
- WRIT 340:** Advanced Writing

ENGINEERING (64-66 UNITS)

- CSCI 103L:** Introduction to Programming
 - CSCI 104L:** Data Structures & Object Oriented Design
 - CSCI 170:** Discrete Methods in Comp. Science
 - CSCI 201L:** Princ. of Software Development
 - CSCI 270:** Intro. to Algorithms & Theory of Computing
 - CSCI 350:** Introduction to Operating Systems
 - CSCI 353:** Introduction to Internetworking
 - CSCI 401:** Capstone: Design of Large Software Systems or **404:** Capstone: Creating Your High-Tech Startup or **EE 459L:** Senior Design Project
 - EE 109:** Introduction to Embedded Systems
 - EE 209:** Fundamentals of Digital Logic
 - EE 354L:** Introduction to Digital Circuits
 - EE 457:** Computer Systems Organization
 - EE 451:** Parallel and Distributed Computation or **EE 454L:** Intro. to Sys. Using Microprocessors or **EE 477L:** MOS VLSI Circuit Design
 - ENGR 102:** Engineering Freshman Academy
- TECHNICAL ELECTIVES**

* SPECIAL NOTES

Courses with this symbol may be satisfied with AP, IB or A-Level exams. See page 17 for more information.

GE: Engineering students are encouraged to satisfy GE G and GE H with a course that also satisfies a Core Literacy. GE H may be satisfied by exam. Additionally, your GESM course should be taken in categories A, B, C, or D only. See pp. 16-17 for more information and consult your advisor for detailed assistance.

GRADE QUALIFIER: A grade of a C (2.0) or better is required for each of the core courses (CSCI 103, 170, 104 & 201). Courses with a grade of C- or below must be repeated; courses may only be retaken once with department approval.

SENIOR DESIGN PROJECT: CSCI 401 or EE 459L.

TECHNICAL ELECTIVES: See approved tech elective list on CS webpage.