

FIRST YEAR

FALL SEMESTER

GE A 4	WRIT 150 4	MATH 125 (GE F) 4	CE 106L 3	ENGR 102 2
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SPRING SEMESTER

GE B 4	CHEM 105aL (GE E) 4	MATH 126 or MATH 129 MATH 125 4	PHYS 151L (GE E) MATH 125 or 126 or 226 4	CE 108 2
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SECOND YEAR

FALL SEMESTER

GEC 4	GED 4	MATH 226 or MATH 229 MATH 126 or MATH 129 4	PHYS 152L PHYS 151L, (MATH 226) 4	CE 205 PHYS 151L 2
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SPRING SEMESTER

GEOL 305L 4	CE 207L CE 205, (CE 106L, 225) 2	MATH 245 MATH 226 or MATH 229 4	CE 225 CE 205 3	CE 235 CE 205 3	OPTIONAL ELECTIVE 2
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THIRD YEAR

FALL SEMESTER

CE 309 MATH 226, (CE 235) 3	CE 334L CE 225 or AME 204, CHEM 105aL, PHYS 152L 3	CE 358 CE 225 3	CE 456 CE 207L, 225, (CE 358) 3	ISE 460 3	OPTIONAL ELECTIVE 3
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SPRING SEMESTER

GE B 4	CE 457 CE 207L, 225 (CE 358) 3	EE 202L or EE 326Lx PHYS 152L 4	CE 458 CE 108 and 358 or AME 150 and AME 353 3	CE 467L CE 225 4
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FOURTH YEAR

FALL SEMESTER

CE 478 3	CE 408 CE 225, MATH 226 3	CE 459 (CE 458) 3	CE 460 3	CE 482 CE 467L 3	OPTIONAL ELECTIVE 3
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SPRING SEMESTER

WRIT 340 WRIT 150 3	GEC 4	CE 402 CE 108, MATH 245 3	CE 451 CE 309 or ENE 410 3	CE 480 CE 456, or 457, or 478; CE 358 and 467 and 473 and 482 3	OPTIONAL ELECTIVE 2
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MATHEMATICS (16 UNITS)

- MATH 125:** Calculus I
- MATH 126** or **MATH 129:** Calculus II
- MATH 226** or **MATH 229:** Calculus III
- MATH 245:** Mathematics of Phys. and Engr.

PHYSICS (8 UNITS)

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

OTHER SCIENCE (8 UNITS)

- CHEM 105AL:** General Chemistry
- GEOL 305L:** Intro. to Engineering Geology

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 (70 UNITS)

- CE 106L:** Design & Planning of CE Systems
- CE 108:** Intro. to CE Computer Methods
- CE 205:** Statics
- CE 207L:** Intro. to Design of Structural Systems
- CE 225:** Mechanics of Deformable Bodies
- CE 309:** Fluid Mechanics
- CE 235:** Dynamics
- CE 334L:** Mechanical Behavior of Materials
- CE 358:** Theory of Structures I
- CE 402:** Computer Methods in Civil Engr.
- CE 408:** Risk Analysis in Civil Engr.
- CE 451:** Water Resources Engineering
- CE 456:** Design of Steel Structures
- CE 457:** Reinforced Concrete Design
- CE 458:** Theory of Structures II
- CE 459:** Intro. to Structural Dynamics
- CE 460:** Construction Engineering
- CE 467L:** Geotechnical Engineering
- CE 478:** Timber & Masonry Design
- CE 480:** Structural Systems Design
- CE 482:** Foundation Design
- EE 202L:** Linear Circuits
- or **EE 326Lx:** Essentials of Electrical Engr
- ENGR 102:** Engineering Freshman Academy
- ISE 460:** Engineering Economy

* 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.

OPTIONAL ELECTIVES: Consult with your academic advisor to explore optional elective courses. These courses are not required.

CE 205, 225, 309, AND 235: Minimum grade of "C" is required.

EE 326Lx: CE students are encouraged to take EE 326Lx in the spring.