

FIRST YEAR

FALL SEMESTER

WRIT 150 4	AME 105 4	MATH 125 (GE F) 4	CHEM 105aL or MASC 110L 4	ENGR 102 2
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SPRING SEMESTER

GEB 4	GE A 4	MATH 126 MATH 125 4	PHYS 151L (GE E) MATH 125 or 126 or 226 4	ITP 168 2
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SECOND YEAR

FALL SEMESTER

GEC 4	AME 201 MATH 125 3	MATH 226 MATH 126 4	PHYS 152L PHYS 151L, (MATH 226) 4	OPTIONAL ELECTIVE 3
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SPRING SEMESTER

AME 261 4	AME 204 AME 201 or CE 205 3	MATH 245 MATH 226 4	AME 231L (AME 204) 3	ASTE 280 MATH 226, PHYS 152 3	OPTIONAL ELECTIVE 1
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THIRD YEAR

FALL SEMESTER

GED 4	AME 301 AME 201 or CE 205 3	AME 310 MATH 226 3	AME 308 AME 204 (AME 301) 3	AME 341aL PHYS 152L, MATH 126 3	OPTIONAL ELECTIVE 2
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SPRING SEMESTER

GEC 4	AME 302 MATH 245 3	AME 309 (MATH 245) 4	PHYS 153L PHYS 152 4	AME 341bL AME 341aL 3
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FOURTH YEAR

FALL SEMESTER

GEB 4	AME 404 3	TECHNICAL ELECTIVE 3	TECHNICAL ELECTIVE 3	AME 441aL AME 341bL 3	OPTIONAL ELECTIVE 2
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SPRING SEMESTER

WRIT 340 WRIT 150 3	AME 436 AME 310 (AME 309 or CE 309) 3	AME 451 AME 302, MATH 245 3	AME 481 4	OPTIONAL ELECTIVE 3	OPTIONAL ELECTIVE 2
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MATHEMATICS (16 UNITS)

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

PHYSICS (12 UNITS)

- PHYS 151L:** Mechanics and Thermodynamics
- PHYS 152L:** Electricity and Magnetism
- PHYS 153L:** Optics and Modern Physics

CHEMISTRY / MATERIALS SCIENCE (4 UNITS)

- CHEM 105AL:** General Chemistry or
- MASC 110L:** Materials Science

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 (68 UNITS)

- AME 105:** Intro. to Aerospace Engineering
- AME 201:** Statics
- AME 204:** Strength of Materials
- AME 231L:** Mechanical Behavior of Materials
- AME 261:** Basic Flight Mechanics
- AME 301:** Dynamics
- AME 302:** Dynamic Systems
- AME 308:** Comp.-Aided Analysis for Design
- AME 309:** Dynamics of Fluids
- AME 310:** Engineering Thermodynamics I
- AME 341AL:** Mechoptronics Laboratory I
- AME 341BL:** Mechoptronics Laboratory II
- AME 404:** Comp. Solutions to Engr. Problems
- AME 436:** Energy and Propulsion
- AME 441AL:** Senior Projects Laboratory
- AME 451:** Linear Control Systems I
- AME 481:** Aircraft Design
- ASTE 280:** Astronautics & Space Environment I
- ENGR 102:** Engineering Freshman Academy
- ITP 168:** Introduction to MATLAB

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.

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

TECHNICAL ELECTIVES: Any upper-division course in engineering, Chemistry, Physics, Mathematics, or Math 225 except CE 404, 412, and ISE 440. No more than 3 units of 490 course work can be used for Technical Electives. See major advisor for exceptions/substitutions.