

FIRST YEAR

FALL SEMESTER

WRIT 150 4	AME 101 3	MATH 125 (GE F) 4	CHEM 105aL or MASC 110L 4	ENGR 102 2
----------------------	---------------------	-----------------------------	-------------------------------------	----------------------

SPRING SEMESTER

GE B 4	GE A 4	MATH 126 MATH 125 4	PHYS 151L (GE E) MATH 125 or 126 or 226 4	ITP 168 2
------------------	------------------	----------------------------------	--	---------------------

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
-----------------	---------------------------------	----------------------------------	--	-------------------------------

SPRING SEMESTER

GE B 4	AME 204 AME 201 or CE 205 3	MATH 245 MATH 226 4	PHYS 153L PHYS 152L 4	WRIT 340 WRIT 150 3
------------------	--	----------------------------------	------------------------------------	----------------------------------

THIRD YEAR

FALL SEMESTER

AME 310 MATH 226 3	AME 301 AME 201 or CE 205 3	PTE 463 CHEM 105aL, MATH 245, PHYS 151L 3	MASC 310 3	AME 341aL PHYS 152L, MATH 126 3	OPTIONAL ELECTIVE 3
---------------------------------	--	--	----------------------	--	-------------------------------

SPRING SEMESTER

AME 302 MATH 245 3	AME 308 AME 204, (AME 301) 3	AME 309 (MATH 245) 4	PTE 464 PTE 463 3	AME 341bL AME 341aL 3	OPTIONAL ELECTIVE 2
---------------------------------	---	-----------------------------------	--------------------------------	------------------------------------	-------------------------------

FOURTH YEAR

FALL SEMESTER

GEC 4	PTE 461 PTE 464 3	PTE 465 PTE 464 3	AME 408 AME 204 or CE 225 3	AME 441aL AME 341bL 3	OPTIONAL ELECTIVE 2
-----------------	--------------------------------	--------------------------------	--	------------------------------------	-------------------------------

SPRING SEMESTER

GE D 4	AME 331 AME 310, (AME 309 or CE 309) 3	AME 409 4	TECHNICAL ELECTIVE 3	OPTIONAL ELECTIVE 4
------------------	---	---------------------	--------------------------------	-------------------------------

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 (66 UNITS)

- AME 101L:** Intro. to Mech. Engr. & Graphics
- AME 201:** Statics
- AME 204:** Strength of Materials
- AME 301:** Dynamics
- AME 302:** Dynamic Systems
- AME 308:** Comp.-Aided Analysis for Design
- AME 309:** Fluid Dynamics
- AME 310:** Engineering Thermodynamics I
- AME 331:** Heat Transfer
- AME 341AL:** Mechoptronics Laboratory I
- AME 341BL:** Mechoptronics Laboratory II
- AME 408:** Comp.-Aided Design of Mech Systems
- AME 409:** Senior Design Project
- AME 441AL:** Senior Projects Laboratory
- ENGR 102:** Engineering Freshman Academy
- ITP 168:** Introduction to MATLAB
- PTE 461:** Formation Evaluation
- PTE 463L:** Intro. to Transport Processing in Porous Media
- PTE 464L:** Petroleum Reservoir Engineering
- PTE 465L:** Drilling Technology
- MASC 310:** Mechanical Behavior of Materials
- TECHNICAL ELECTIVE**

* 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, and Mathematics. See major advisor for exceptions/substitutions.