

AEROSPACE ENGINEERING

FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR	
FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
WRIT 150 4	GESM (GE B) [#] 4	AME 201 MATH 125 or 126 or 226 4	AME 261 4	GE D* 4	GE C 4	MASC 310L 4	WRIT 340 WRIT 150 4
AME 105 4	GE B 4	GE A 4	AME 204 AME 201 4	AME 301 AME 201, (MATH 245) 4	AME 310 PHYS 151 and MATH 125 or 126 or 226 4	GE C 4	AME 436 AME 310 4
MATH 125 (GE F)* 4	MATH 126 or MATH 129* MATH 125 4	MATH 226 or MATH 229 MATH 126 or 129 4	MATH 245 MATH 226 or 229 4	AME 308 AME 204, (AME 301) 4	AME 309 AME 201, (MATH 245) 4	AME 451 AME 302a, AME 302b 4	AME 481 4
CHEM 105AL or MASC 110L* 4	PHYS 151L (GE E) MATH 125 or 126 or 226 4	PHYS 152L PHYS 151L, (MATH 226) 4	AME 208 co-req--MATH 245 4	AME 341aL PHYS 152, AME 208 4	AME 341bL AME 341a 4	AME 441aL AME 308, AME 341a, AME 341b 4	PHYS 153 PHYS 152 4
ENGR 102 2	TAC 168 2	OPTIONAL ELECTIVE 2	OPTIONAL ELECTIVE 2	AME 302a MATH 245 2	AME 302b AME 302a, MATH 245 2	OPTIONAL ELECTIVE 2	OPTIONAL ELECTIVE 2

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 (12 Units)

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

Engineering (70 Units)

- AME 105: Intro. to Aerospace Engineering
- AME 201: Statics
- AME 204: Mechanics of Materials & Structures
- AME 208: Computational Methods in Engineering
- AME 261: Basic Flight Mechanics
- AME 301: Dynamics
- AME 302a: Systems
- AME 302b: Systems
- AME 308: Computer-Aided Engineering
- AME 309: Dynamics of Fluids
- AME 310: Engineering Thermodynamics I
- AME 341aL: Mechoptronics Laboratory
- AME 341bL: Mechoptronics Laboratory
- AME 436: Automotive & Flight Propulsion
- AME 441aL: Senior Projects Laboratory
- AME 451: Linear Control Systems I
- AME 481: Aircraft Design
- ENGR 102: Engineering Freshman Academy
- TAC 168: Introduction to MATLAB
- MASC 310L: Materials Behavior and Processing

Writing (8 Units)

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

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)

SPECIAL NOTES

- **Courses with the * symbol** may be satisfied with AP, IB or A-Level exams. See page 18 for more information.
- **GESM#:** GESM can be taken from GE categories: A, B, C, or D. Courses listed in the guide are options for a four-year course plan.
- **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 AP/IB. Additionally, your GESM course should be taken in categories A, B, C, or D only. See page 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.
- **Physics Requirement:** PHYS 161-163 and PHYS 171-173 are acceptable towards this requirement.