

Suggested Arrangement of Courses

AEROSPACE ENGINEERING 2006-2008 CATALOG

Suggested Arrangement of Courses for Eight-Semester Program
128 credit hours

FIRST YEAR

Fall Semester	Hours	Spring Semester	Hours
ASE 102, <i>Introduction to Aerospace Engineering</i>	1	ASE 201, <i>Introduction to Computer Programming</i>	2
CH 301, <i>Principles of Chemistry I</i>	3	M 408D, <i>Sequences, Series, and Multivariable Calculus</i>	4
M 408C, <i>Differential and Integral Calculus</i>	4	PHY 303K, <i>Engineering Physics I</i>	3
M E 210, <i>Engineering Design Graphics</i>	2	PHY 103M, <i>Laboratory for Physics 303K</i>	1
RHE 306, <i>Rhetoric and Composition</i>	3	American government	3
Social science or fine arts/humanities elective	3	Social science or fine arts/humanities elective	3
TOTAL	16	TOTAL	16

SECOND YEAR

Fall Semester	Hours	Spring Semester	Hours
ASE 211, <i>Engineering Computation</i>	2	E M 311M, <i>Dynamics</i>	3
E 316K, <i>Masterworks of Literature</i>	3	E M 319, <i>Mechanics of Solids</i>	3
E M 306, <i>Statics</i>	3	M 427L, <i>Advanced Calculus for Applications II</i>	4
M 427K, <i>Advanced Calculus for Applications I</i>	4	M E 326, <i>Thermodynamics</i>	3
PHY 303L, <i>Engineering Physics II</i>	3	American history	3
PHY 103N, <i>Laboratory for Physics 303L</i>	1	TOTAL	16
TOTAL	16		

THIRD YEAR

Fall Semester	Hours	Spring Semester	Hours
ASE 320, <i>Introduction to Fluid Mechanics</i>	3	ASE 365, <i>Structural Dynamics</i>	3
ASE 120K, <i>Applications of Fluid Mechanics</i>	1	ASE 367K, <i>Flight Dynamics</i>	3
ASE 321K, <i>Structural Analysis</i>	3	ASE 167M, <i>Flight Dynamics Laboratory</i>	1
ASE 330M, <i>Linear System Analysis</i>	3	ASE 369K, <i>Measurements and Instrumentation</i>	3
ASE 366K, <i>Spacecraft Dynamics</i>	3	ASE 376K, <i>Propulsion</i>	3
E E 331, <i>Electrical Circuits and Electronics</i>	3	ASE 333T, <i>Engineering Communication</i>	3
TOTAL	16	TOTAL	16

FOURTH YEAR

Fall Semester	Hours	Spring Semester	Hours
ASE 324L, <i>Aerospace Materials Laboratory</i>	3	ASE 463Q, <i>Design and Testing of</i> <i>Aerospace Structures</i>	4
ASE 340, <i>Boundary Layer Theory and</i> <i>Heat Transfer</i>	3	Technical area courses	3
ASE 370L, <i>Flight Control Systems</i>	3	American government	3
Technical area courses	4	American history	3
Approved technical elective	3	Approved technical elective	3
TOTAL	16	TOTAL	16