CrSubjects Required by all Programs (55 hours)Mathematics 115, 116, 215, and 216ENGR 100, Introduction to EngineeringENGR 101, Introduction to ComputersCHEM 125/126, 130 or 210, 2111Physics 140 with Lab 1412Physics 240 with Lab 2412Intelectual BreadthRelated Technical Core Subjects (12 hours)MECHENG 240, Intro to Dynamics and VibrationsEngineering distribution 1³Engineering distribution 2³Aerospace Science Subjects (26 hours)AEROSP 201, Introduction to Aerospace ScienceAEROSP 215, Introduction to Gas DynamicsAEROSP 225, Introduction to Gas Dynamics	Total redits	Term							
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CHEM 125/126, 130 or 210, 2111Image: Chemical Core Subjects (12 hours)Physics 240 with Lab 2412Intelectual BreadthRelated Technical Core Subjects (12 hours)Image: Chemical Core Subjects (12 hours)MECHENG 240, Intro to Dynamics and VibrationsImage: Chemical Core Subjects (26 hours)Engineering distribution 13Image: Chemical Core Subjects (26 hours)Aerospace Science Subjects (26 hours)Image: Chemical Core Subjects (26 hours)AEROSP 201, Introduction to Aerospace ScienceImage: Chemical Core Subjects (26 hours)AEROSP 215, Introduction to Solid Mechanics and Aerospace StructuresImage: Chemical Core Subjects (26 hours)AEROSP 225, Introduction to Gas DynamicsImage: Chemical Core Subjects (26 hours)	4	4							
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Related Technical Core Subjects (12 hours)MECHENG 240, Intro to Dynamics and VibrationsEngineering distribution 1³Engineering distribution 2³Aerospace Science Subjects (26 hours)AEROSP 201, Introduction to Aerospace ScienceAEROSP 215, Introduction to Solid Mechanics and Aerospace StructuresAEROSP 225, Introduction to Gas Dynamics	5	-	-	5	-	-	-	-	-
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Engineering distribution 13Engineering distribution 23Aerospace Science Subjects (26 hours)AEROSP 201, Introduction to Aerospace ScienceAEROSP 215, Introduction to Solid Mechanics and Aerospace StructuresAEROSP 225, Introduction to Gas Dynamics									
Engineering distribution 2³ Image: Comparison of Compa	4	-	-	-	4	-	-	-	-
Aerospace Science Subjects (26 hours) AEROSP 201, Introduction to Aerospace Science AEROSP 215, Introduction to Solid Mechanics and Aerospace Structures AEROSP 225, Introduction to Gas Dynamics	4	-	-	-	-	4	-	-	-
AEROSP 201, Introduction to Aerospace Science AEROSP 215, Introduction to Solid Mechanics and Aerospace Structures AEROSP 225, Introduction to Gas Dynamics AEROSP 225, Introduction to Gas Dynamics	4	-	-	-	-	-	4	-	-
AEROSP 215, Introduction to Solid Mechanics and Aerospace Structures AEROSP 225, Introduction to Gas Dynamics									
AEROSP 225, Introduction to Gas Dynamics	2	-	-	2	-	-	-	-	-
	3	-	-	-	3	-	-	-	-
	3	-	-	3	-	-	-	-	-
AEROSP 315, Aircraft and Spacecraft Structures	3	-	-	-	-	3	-	-	-
AEROSP 325, Aerodynamics	3	-	-	-	-	3	-	-	-
AEROSP 335, Aircraft and Spacecraft Propulsion	3	-	-	-	-	-	3	-	-
AEROSP 341, Aircraft Dynamics (W) or AEROSP 343, Spacecraft Dynamics (F)	3	-	-	-	-	-	3	-	-
AEROSP 350, Introduction to Aerospace Computing	3	-	-	-	-	3	-	-	-
AEROSP 470, Control of Aerospace Vehicles	3	-	-	-	-	-	-	3	-
Aerospace Engineering Subjects (17 hours)									
AEROSP 200, Introduction to the Aerospace Enterprise	2	-	-	-	2	-	-	-	-
AEROSP 388 or (AEROSP 205 + 4 credits Tech Electives)	7	-	-	-	-	3	4	-	-
AEROSP 305, Aerospace Engineering Lab I	4	-	-	-	-	-	-	4	-
AEROSP 481, Aircraft Design (F) or AEROSP 483, Space System Design (W)	4	-	-	-	-	-	-	-	4
Electives (18 Hours)									
Technical Electives ⁴	9	-	-	-	3	-	-	3	3

General Electives	9	-	-	-	-	-	2	2	5	
Total	128	16	16	16	16	16	16	16	16	
Candidates for the Bachelor of Science degree in Engineering (Aerospace Engineering) - B.S.E. (Aerospace E.) - must complete the program listed above. This sample schedule is an example of one leading to graduation in eight terms.										

Notes:

1. If you have a satisfactory score or grade in Chemistry AP, A-Level, IB Exams or transfer credit from another institution for Chemistry 130/125/126 you will have met the Chemistry Core Requirement for the College of Engineering

2. If you have a satisfactory score or grade in Physics AP, A-Level, IB Exams or transfer credit from another institution for Physics 140/141 and 240/241 you will have met the Physics Core Requirement for the College of Engineering

3. Engineering distribution requirement. Select two courses from: MSE 220, MSE 350, EECS 215, EECS 216, EECS 280, EECS 281

4. Technical electives must total at least 9 credits of approved upper division courses (that is, 300 level or above). At least 3 credits must be approved mathematics or science courses, a maximum of 3 credits is allowed for directed study and a maximum of 2 credits is allowed for seminar courses. Recommended courses that satisfy the mathematics or science technical electives are described in a document that can be obtained from the Department or on the Department website.