

Sample Schedule 2022-2023									
Aerospace Engineering	Total	Term:							
	Credit Hours	1	2	3	4	5	6	7	8
Subjects Required by all Programs (55 hours)									
Mathematics 115, 116, 215, and 216	16	4	4	4	4	-	-	-	-
ENGR 100, Introduction to Engineering	4	4	-	-	-	-	-	-	-
ENGR 101, Introduction to Computers	4	-	4	-	-	-	-	-	-
CHEM 125/126, 130 or 210, 211 ¹	5	5	-	-	-	-	-	-	-
Physics 140 with Lab 141 ²	5	-	5	-	-	-	-	-	-
Physics 240 with Lab 241 ²	5	-	-	5	-	-	-	-	-
Intellectual Breadth	16	3	3	2	-	-	-	4	4
Related Technical Core Subjects (12 hours)									
MECHENG 240, Intro to Dynamics and Vibrations	4	-	-	-	4	-	-	-	-
Engineering distribution 1 ³	4	-	-	-	-	4	-	-	-
Engineering distribution 2 ³	4	-	-	-	-	4	-	-	-
Aerospace Science Subjects (26 hours)									
AEROSP 201, Introduction to Aerospace Science	2	-	-	-	2	-	-	-	-
AEROSP 215, Introduction to Solid Mechanics and Aerospace Structures	3	-	-	-	3	-	-	-	-
AEROSP 225, Introduction to Gas Dynamics	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	-	-	-	-	-
Design/Build/Test/Fly Course Requirement ⁵	3	-	-	3	-	-	-	-	-
AEROSP 305, Aerospace Engineering Lab I	4	-	-	-	-	-	4	-	-
AEROSP 405, Aerospace Engineering Lab II	4	-	-	-	-	-	-	4	-
AEROSP 481, Aircraft Design (F) or AEROSP 483, Space System Design (W)	4	-	-	-	-	-	-	-	4
Electives (18 Hours)									
Technical Electives ⁴	9	-	-	-	-	-	-	3	6
General Electives	9	-	-	-	-	2	3	2	2

Total	128	16	16	16	16	16	16	16	16
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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.

5. DBTF Requirement. Can be met by any DBTF course recommended by the Aero undergrad advising office. If the course is not in the Aero department, 3 extra credits of tech elective are required.