

<< Declaration of BEng major << Declaration of BBA major

| School: | | School of Engineering and School of Business Management | | | Student's Pathway | | | | | | | | | | Remarks | | | | | | | | | |
|--|-------------|---|---------|---|-------------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|--------------------------------|-----------|----|----|----|----|----|----|----|----|
| Program: | | Dual Degree Program (BEng in Aerospace Engineering and BBA in Marketing) | | | Year 1 Fall | Year 1 Spring | Year 2 Fall | Year 2 Spring | Year 3 Fall | Year 3 Spring | Year 4 Fall | Year 4 Spring | Year 5 Fall | Year 5 Spring | | Sub-total | | | | | | | | |
| Course Offering Dept. (course code prefix) | Course Code | Course Title / Courses List | Credits | | | | | | | | | | | | | | | | | | | | | |
| BEng in Aerospace Engineering | | | | | | | | | | | | | | | | | | | | | | | | |
| Major Requirements | | | | | | | | | | | | | | | | | | | | | | | | |
| Engineering Fundamental Courses | | | | | | | | | | | | | | | | | | | | | | | | |
| COMP | 1021 | Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H | 3-5 | | | | | | | | | | | | | | | | | | | | | |
| COMP | 1022P | Introduction to Computer Science | 3 | | | | | | | | | | | | | | | | | | | | | |
| COMP | 2011 | Introduction to Computing with Java | 3 | 3 | | | | | | | | | | | | | | | | | | | | |
| COMP | 2012H | Programming with C++ | 4 | | | | | | | | | | | | | | | | | | | | | |
| COMP | 2012H | Honors Object-Oriented Programming and Data Structures | 5 | | | | | | | | | | | | | | | | | | | | | |
| LANG | 2030 | Technical Communication I | 3 | | | | | | | | | | | | | 0 | | | | | | | | |
| MATH | 1012 | Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020] | 4-7 | | | | | | | | | | | | | | | | | | | | | |
| MATH | 1013 | Calculus IA | 4 | | | | | | | | | | | | | | | | | | | | | |
| MATH | 1014 | Calculus IB | 3 | | | | | | | | | | | | | | | | | | | | | |
| MATH | 1020 | Calculus II | 3 | 3 | 3 | | | | | | | | | | | 6 | | | | | | | | |
| MATH | 1023 | Accelerated Calculus | 4 | | | | | | | | | | | | | | | | | | | | | |
| MATH | 1024 | Honors Calculus I | 3 | | | | | | | | | | | | | | | | | | | | | |
| MATH | 1024 | Honors Calculus II | 3 | | | | | | | | | | | | | | | | | | | | | |
| MATH | 2011 | Introduction to Multivariable Calculus | 3 | | | | | 3 | | | | | | | | 3 | | | | | | | | |
| MATH | 2111 | Note: MATH2111 OR MATH2350 OR MATH2351 | 3 | | | | | | | | | | | | | | | | | | | | | |
| MATH | 2350 | Matrix Algebra and Applications | 3 | | | | | | | 3 | | | | | | 3 | | | | | | | | |
| MATH | 2351 | Applied Linear Algebra and Differential Equations | 3 | | | | | | | | | | | | | | | | | | | | | |
| MATH | 2351 | Introduction to Differential Equations | 3 | | | | | | | | | | | | | | | | | | | | | |
| PHYS | 1112 | Note: PHYS1112 OR PHYS1312 | 3 | | | | | | | | | | | | | | | | | | | | | |
| PHYS | 1312 | General Physics I with Calculus | 3 | | | | | | | | | | | | | 3 | | | | | | | | |
| PHYS | 1312 | Honors General Physics I | 3 | | | | | | | | | | | | | | | | | | | | | |
| CHEM/LIFS/ PHYS | | Science 1000-level course (Any 1 course of the subject and level as specified) | 3 | | | | | | | | | | | | | 0 | | | | | | | | |
| Required credits for Engineering Fundamental Courses | | | 22-26 | | | | | | | | | | | | | 18 | | | | | | | | |
| Major Required Courses and Electives | | | | | | | | | | | | | | | | | | | | | | | | |
| MECH | 1907 | Introduction to Aerospace Engineering | 3 | | | | | | | | | | | | | 3 | | | | | | | | |
| MECH | 1990 | Industrial Training | 0 | | | | | 0* | 0^ | | | | | | | 0 | | | | | | | | |
| MECH | 2020 | Statics and Dynamics | 3 | | | | | 3 | | | | | | | | 3 | | | | | | | | |
| MECH | 2040 | Solid Mechanics I | 3 | | | | | | 3 | | | | | | | 3 | | | | | | | | |
| MECH | 2210 | Fluid Mechanics | 3 | | | | | | 3 | | | | | | | 3 | | | | | | | | |
| MECH | 2310 | Thermodynamics | 3 | | | | | | | 3 | | | | | | 3 | | | | | | | | |
| MECH | 2410 | Engineering Materials I | 3 | | | | | | | | 3 | | | | | 3 | | | | | | | | |
| MECH | 3400 | Introduction to Composite Materials | 3 | | | | | | | | | 3 | | | | 3 | | | | | | | | |
| MECH | 3610 | Control Principles | 3 | | | | | | | 3 | | | | | | 3 | | | | | | | | |
| MECH | 3620 | Aircraft Design | 3 | | | | | | | | | 3 | | | | 3 | | | | | | | | |
| MECH | 3640 | Aerodynamics | 3 | | | | | | | | | | 3 | | | 3 | | | | | | | | |
| MECH | 3650 | Aircraft Structural Analysis | 3 | | | | | | | | | 3 | | | | 3 | | | | | | | | |
| MECH | 3660 | Gas Turbines and Jet Propulsion | 3 | | | | | | | | | | 3 | | | 3 | | | | | | | | |
| MECH | 3670 | Aircraft Performance and Stability | 3 | | | | | | | | | | | 3 | | 3 | | | | | | | | |
| MECH | 3680 | Avionics Systems | 3 | | | | | | | | | 3 | | | | 3 | | | | | | | | |
| MECH | 3690 | Aerospace Engineering Laboratory | 3 | | | | | | | | | | 3 | | | 3 | | | | | | | | |
| MECH | 4980 | Final Year Aerospace Design Project | 6 | | | | | | | | | | | 3 | 3 | 6 | | | | | | | | |
| ELEC | 2420 | Basic Electronics | 3 | | | | | | 3 | | | | | | | 3 | | | | | | | | |
| ENGG | 2010 | Engineering Seminar Series | 0 | | | | | 0 | 0 | 0 | 0 | | | | | 0 | | | | | | | | |
| LANG | 4034 | Technical Communication II for Mechanical and Aerospace Engineering | 3 | | | | | | | | | | | | | 3 | | | | | | | | |
| MECH | | MECH Electives in Aerospace (2 courses from the specified elective list) | 6 | | | | | | | | | | | 3 | 3 | 6 | | | | | | | | |
| Required credits for Major Requirements Courses and Electives | | | 63 | | | | | | | | | | | | | 63 | | | | | | | | |
| BBA in Marketing | | | | | | | | | | | | | | | | | | | | | | | | |
| School Requirements | | | | | | | | | | | | | | | | | | | | | | | | |
| ACCT | 2010 | Principles of Accounting I | 3 | 3 | | | | | | | | | | | | 3 | | | | | | | | |
| ACCT | 2200 | Principles of Accounting II | 3 | | | | | | | 3 | | | | | | 3 | | | | | | | | |
| ECON | 2103 | Note: ECON 2103 OR ECON 2113 | 3 | | | | | | | | | | | | | 3 | | | | | | | | |
| ECON | 2113 | Principles of Microeconomics | 3 | | | | | 3 | | | | | | | | | | | | | | | | |
| ECON | 2123 | Note: ECON 2123 OR ECON 3123 | 3 | | | | | | | | | | | | | 3 | | | | | | | | |
| ECON | 3123 | Macroeconomics | 3 | | | | | | | | | | 3 | | | | | | | | | | | |
| FINA | 2303 | Financial Management | 3 | | | | | | | | | | | | | 3 | | | | | | | | |
| ISOM | 2010 | Introduction to Information Systems | 3 | | | | | | | | | | | | | 0 | | | | | | | | |
| ISOM | 2020 | Coding for Business | 1 | | | | | | | | | | | | | 0 | | | | | | | | |
| ISOM | 2500 | Business Statistics | 3 | 3 | | | | | | | | | | | | 3 | | | | | | | | |
| ISOM | 2600 | Introduction to Business Analytics | 1 | | | | | | | 1 | | | | | | 1 | | | | | | | | |
| ISOM | 2700 | Operations Management | 3 | | | | | | | | | | | | 3 | 3 | | | | | | | | |
| MARK | 2120 | Marketing Management | 3 | | | | | | 3 | | | | | | | 3 | | | | | | | | |
| MGMT | 2010 | Business Ethics and the Individual | 2 | | | | | | | | | | | 2 | | 2 | | | | | | | | |
| MGMT | 2110 | Organizational Behavior | 3 | | | | | | | 3 | | | | | | 3 | | | | | | | | |
| MGMT | 2130 | Business Ethics and Social Responsibility | 2 | | | | | | | | | | | 2 | | 2 | | | | | | | | |
| LANG | 2061 | Note: LANG 2061 OR 2062 OR 3060 | 3 | | | | | | | | | | | | | 3 | | | | | | | | |
| LANG | 2062 | Professional Writing for the Workplace | 3 | | | | | | | | | | | | | | | | | | | | | |
| LANG | 3060 | Professional Speaking for the Workplace | 3 | | | | | | | | | | | | | | | | | | | | | |
| LANG | 3060 | Advanced Academic Writing | 3 | | | | | | | | | | | | | | | | | | | | | |
| MATH | 1003 | Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 | 3-4 | | | | | | | | | | | | | | | | | | | | | |
| MATH | 1012 | Calculus and Linear Algebra | 3 | | | | | | | | | | | | | | | | | | | | | |
| MATH | 1013 | Calculus IA | 4 | | | | | | | | | | | | | | | | | | | | | |
| MATH | 1013 | Calculus IB | 3 | | | | | | | | | | | | | | | | | | | | | |
| MATH | 1020 | Accelerated Calculus | 4 | | | | | | | | | | | | | | | | | | | | | |
| MATH | 1023 | Honors Calculus I | 3 | | | | | | | | | | | | | | | | | | | | | |
| Required credits for School Requirements | | | 45-46 | | | | | | | | | | | | | 35 | | | | | | | | |
| Major Requirements | | | | | | | | | | | | | | | | | | | | | | | | |
| Major Required Courses and Electives | | | | | | | | | | | | | | | | | | | | | | | | |
| MARK | 3220 | Marketing Research | 4 | | | | | | | 4 | | | | | | 4 | | | | | | | | |
| MARK | 3420 | Consumer Behavior | 4 | | | | | | | | 4 | | | | | 4 | | | | | | | | |
| MARK | 4210 | Strategic Marketing | 4 | | | | | | | | | 4 | | | | 4 | | | | | | | | |
| MARK | | MARK 3000-level or above Electives (Any 3 courses of the subject and level as specified) | 12 | | | | | | | | | | 4 | 4 | 4 | 12 | | | | | | | | |
| Required credits for Major Required Courses and Electives | | | 24 | | | | | | | | | | | | | 24 | | | | | | | | |
| Additional Requirements | | | | | | | | | | | | | | | | | | | | | | | | |
| Requirements for Dual Degree Program | | | | | | | | | | | | | | | | | | | | | | | | |
| Required Courses | | | | | | | | | | | | | | | | | | | | | | | | |
| TEMG | 1010 | T&M Professional Activities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| TEMG | 3950 | T&M Case Analysis and Product Innovation | 3 | | | | | | | | | | | | | 3 | | | | | | | | |
| TEMG | 4950 | T&M Corporate Consulting Project | 3-5 | | | | | | | | | | | | | 4 | | | | | | | | |
| Required credits for Additional Requirements | | | 7 | | | | | | | | | | | | | 7 | | | | | | | | |
| University CORE | | | | | | | | | | | | | | | | | | | | | | | | |
| CORE | C3 - C9 | U CORE - Others | 21 | | | | | | | | | | | | | 21 | | | | | | | | |
| CORE | C1 & C2 | U CORE - English Language | 6 | 3 | 3 | | | | | | | | | | | 6 | | | | | | | | |
| HMAW | 1905 | Behavioral Foundations of University Education: Habits, Mindsets, and Wellness | 3 | 1 | 2 | | | | | | | | | | | 3 | | | | | | | | |
| Sub-total for University CORE | | | 30 | | | | | | | | | | | | | 30 | | | | | | | | |
| | | | | | | | | | | | | | | | Term load (excl. free credits) | | | | | | | | | |
| | | | | | | | | | | | | | | | 16 | 17 | 18 | 18 | 18 | 19 | 18 | 19 | 18 | 16 |
| | | | | | | | | | | | | | | | 177## | | | | | | | | | |

Notes:
() indicates the reuse of the same course to fulfill more than one requirement.
* Courses offered in winter term
^ Courses offered in summer term
--- denotes the course/requirement is either waived or substituted
To graduate, students should complete all requirements as specified for DDP.

<< Declaration of BEng major << Declaration of BBA major

**Remarks on course(s):

>> The content of this example is not necessarily equivalent to a complete list of graduation requirements of the program. Students should refer to the Program Catalog/UG Curriculum Handbook for updated graduation requirements. For up-to-date information on course offering and scheduling, students should check it out from respective School and Department.