AEROSPACE ENGINEERING - STREAM B Catalog Year: 202430

Concurrent prerequisite

Updated: 29/02/2024 **FOURTH YEAR FIRST YEAR SECOND YEAR** THIRD YEAR **Notes FALL WINTER FALL** WINTER **FALL** WINTER **FALL** WINTER Course Prerequisites and Year Status Requirements The Faculty of Engineering and Design strictly **MATH 1005 MATH 2004 MATH 1004 MATH 1104 MATH 3705 AERO 3002** MAAE 4907 / ECOR 4907 Differ ential upholds course prerequisites. Course prerequisites Multivariable Engineering Design Project (note b) Calculus for Linear Algebra for Equations & Aerospace Design Calculus for are found in the Undergraduate Calendar course Infinite Series for (1.0 credit) Eng. Students Eng. Students Methods I & Practice Eng. Students Eng. Students descriptions, and are indicated by arrows* between courses in this program map. Year status in Engineering prerequisites (as noted **CHEM 1101** Elective 2nd 2nd by 2nd, 3rd, or 4th above the course box) vary year Basic Science Chemistry for AERO 4602 **AERO 4003** Elective Eng. Students **AERO 2001** Introductory to year, please carefully review requirements for MA AE 2101 **MAAE 3004** Aerospace Systems **MAAE 3300** Aerospace Aeroelasticity Design Dynamics of your catalog year. Engineering Fluid Mechanics II Dynamics Machinery Graphical Design Academic Advising **PHYS 1004** Elective Introductory Complementary Obtaining regular academic advising and support Electromagnetism Studies Elective & Wave Motion 2nd 2nd **MAAE 4102** Elective for course planning is essential for engineering Materials: Strength Complementary students who are "off-pattern" from their program and Fracture Studies Elective **MAAE 2202 MAAE 2400 MAAE 3202 AERO 3101** map. Contact your program advisor: **ECOR 1045** ECOR 1041 Mechanics of Thermodynamics Mechanics of Lightweight Computation & Prog Statics Solids I & Heat Transfer Solids II Structures (0.25 credit) (0.25 credit) First year students (new and returning): ECORSupport@carleton.ca **ECOR 1047 ECOR 1043** Elective Visual Comm. Circuits **AERO 4608** Second year and higher students: (0.25 credit) (0.25 credit) Engineering Elective 2nd Composite Materials maeadvising@cunet.carleton.ca (note a) MAAE 3500 **MAAE 2700 AERO 3700 MAAE 2300 ECOR 1046** ECOR 1042 eedback Control Engineering Notes Aerospace Materials Fluid Mechanics I Materials Systems Mechanics Data Management (0.25 credit) (0.25 credit) (a) 0.5 credits from AERO 4609, MECH 4103, MECH 4104, Elective **Elective** or MECH 4604 AND 1.0 credits in Mechanical and Engineering Elective Engineering Elective **ECOR 1048 ECOR 1044** Aerospace Engineering (MAAE, AERO, MECH) at the (note a) (note a) Dynamics 2nd 2nd 2nd 4000-level. (0.25 credit) (0.25 credit) **ECOR 2050 CCDP 2100 ELEC 3605 SYSC 3600** (b) Students must complete all first and second year Design & Analysis Communication Electrical Systems & Skills for ECOR 1055 **ECOR 1056** ofEngineering courses, as well as 3.5 credits of third year courses (with Engineering Simulation Experiments Ena. Students Introduction to Introduction to the exception of Complementary Studies Elective) to Engineering Engineering **ECOR 4995** Disciplines I Disciplines II enroll in MAAE 4907 or ECOR 4907 (Eng. Design Project). Professional (0.0 credit) (0.0 credit) Practice (note c) (c) ECOR 4995 can be taken in Winter term, if required due to limited elective options in Winter term. **ECOR 1057 ECOR 3800** Engineering (d) Please review Engineering Portfolio submission and Engineering Profession **ECOR 2995 Engineering Portfolio** registration instructions. Students register for ECOR 2995 Economics (0.0 credit) (note d) (0.0 credit) once 4th year status is achieved, either before or concurrent with ECOR 4995. *Arrow Legend Kindly note: this program map has been designed to ease course planning and registration for engineering students, information is accurate at the time this **Please run your <u>audit</u> after making any registration Required prerequisite document is produced. Prerequisites, course titles, course offerings, and course schedule patterns are based on the academic year in which this map was changes to verify they have been applied successfully prepared and are subject to change. Please contact EngAcadSupport@carleton.ca for inquiries regarding this program map.