

**ELECTIVES**

**OF**

**B. TECH., B. TECH. WITH HONORS AND  
B. TECH. + M. TECH. DUAL DEGREE  
PROGRAMS**

**IN**

**AEROSPACE ENGINEERING,  
IIT BOMBAY**

**FOR**

**BATCHES OF 2021 AND EARLIER**

**(Updated 23<sup>rd</sup> December, 2024)**

## Introduction

The courses that can be counted towards satisfying the electives requirements of some academic programs of the Aerospace Engineering Department of IIT Bombay are given below. Specifically, this applies to B. Tech. (with and without Honors), and B. Tech. + M. Tech. Dual Degree (called Dual Degree or DD here onwards) programs of 2021 batch and earlier.

Here, we refer to the “AE Electives for B.Tech., Dual Degree and M.Tech. 2022 batch and onwards” document of “<https://www.aero.iitb.ac.in/home/curriculum>.” The major difference between these two documents is the allowance made here (but not in the reference, for batches of 2022 and onwards) of crediting several non-departmental courses towards satisfying the Department Electives requirements of the curriculum.

There are three sets of tables in the reference document: Table A, B and C. Table A has three sub-tables – Tables A(i)-(iii). Tables B and C have four sub-tables each, from (1) to (4). Tables A(i), A(ii) and B(1)-(4) comprise of courses offered by the Aerospace Department. The remaining tables – viz. Tables A(iii) and Tables C(1)-(4) – comprise of some of the courses offered by other departments.

The below table enumerates the various possibilities for fulfilling the elective requirements of the three above-mentioned academic programs of the department for batches 2021 and earlier.

Academic Program	Elective Type	Available Tables
B. Tech.	Departmental Elective	A(i) <sup>§</sup> , A(ii), A(iii) <sup>§*</sup> , B(1)-(4), C(1)-(4) <sup>*</sup>
B. Tech.	Honors Elective	
B. Tech. + M. Tech. Dual Degree	PG Elective	

<sup>§</sup>The entries marked “Not available for B.Tech. or Dual Degree students” in these reference tables, hold true here too.

<sup>\*</sup>These reference tables are marked as unavailable for B.Tech. and Dual Degree students of 2022 batch and onwards; but this restriction does *not* apply to the B.Tech. and Dual Degree students of 2021 batch and earlier – the audience for this document.

Additionally, the following table lists the courses that appear in the above reference tables, but are *not* available to the B.Tech. and Dual Degree students of 2021 batch and earlier, because they are core courses for this cohort.

Courses NOT Available to B.Tech. and Dual Degree students of 2021 batch and earlier	
AE 641	Introduction to Navigation and Guidance
AE 711	Aircraft Propulsion
AE 713	Spaceflight Dynamics
AE 715	Structural Dynamics
AE 717	Aircraft Flight Dynamics

### **Document History**

2024-12-23: First version; supersedes earlier version as it refers to another document now.