

ENGINEERING FUNDAMENTALS 2 (EF2) *

Students may select any course to read as EF2. Please note the remarks (courses may not be offered to students from every programme) and the offering semesters of the courses.

No	Offering School	Course Code	Course Title	AU	Offering Semester	Remarks (e.g. prerequisite etc)
1	SCBE	CB1105 [#]	Material Science	3	2	Mutually exclusive: MA1002 and MS1015; not to be offered to MSE students.
2	SCBE	CH1104	Materials & Energy Balance	3	2	
3	SCBE	CB1131 ⁺	Introduction to Biomolecular Engineering	3	1 & 2	
4	CEE	CV1011	Mechanics of Materials	4	1 & 2	Mutually exclusive: - BG2141 (Core) and BG2209 (Core); not be offered to BIE students - MA2001; not to be offered to MAE students
5	CEE	CV1012	Fluid Mechanics	3	2	Mutually exclusive: BG2112 (Core) and CH2103 (Core); not to be offered to SCBE students
6	SCSE	CE/CZ1105 [#]	Digital Logic	3	2	
7	SCSE	CZ1120 ⁺	Introduction to Digital Communications and Networking	3	2	
8	EEE	EE1002	Physics Foundation for Electrical & Electronic Engineering	4	1 & 2	Prerequisite: PH1011/PH1012 Mutually exclusive: CY1306, PH1105, PH1106 Note: Students are required to register for its related laboratory code: E1002L
9	EEE	EE1003	Introduction to Materials for Electronics	3	1 & 2	
10	EEE	IM1004	Digital Electronics	4	1 & 2	Mutually exclusive: EE2004
11	MSE	MS1013	Materials Chemistry I	3	1	
12	MSE	MS1014	Materials Chemistry II	3	2	
13	MSE	MS1012	Materials Physics	3	2	
14	MSE	MS1015	Materials Science	3	1 & 2	Mutually exclusive: MA1002, BG1105 (Core)/CH1105/CB1105; not to be offered to BIE students
15	MAE	MA1002	Fundamental Engineering Materials	3	1 & 2	Mutually exclusive: MS1015/BG1105 (Core)/ CH1105/CB1105; not to be offered to BIE & MSE students; not offered to ME students as EF2
16	MAE	MA1701	Introduction to Aerospace Engineering	3	2	not offered to AE students as EF2
17	MAE	MA2003	Introduction to Thermo-fluids	3	1 & 2	not offered to ME students as EF2, not offered to AE students as EF2
18	MAE	MA2004	Manufacturing Processes	3	1 & 2	not offered to ME students as EF2

+ New course

Change in course code/AU

* Class Schedule