

Engineering Science Courses (ESC)

Code	Title	L	T	P	1 st Semester	2 nd Semester
22ESC141/241	Introduction to Civil Engineering	3	0	0	AE,ME,EE,CSE,EC,ISE	AE,ME,EE,CSE,EC,ISE
22ESC142/242	Introduction to Electrical Engineering	3	0	0	AE,CV,ME,CSE,EC,ISE	AE,CV,ME,CSE,EC,ISE
22ESC143/243	Introduction to Electronics Engineering	3	0	0	AE,CV,ME,EE,CSE,ISE	AE,CV,ME,EE, CSE,ISE
22ESC144/244	Introduction to Mechanical Engineering	3	0	0	AE,CV,EE,CSE,EC,ISE	AE,CV,EE,CSE,EC,ISE
22ESC145/245	Introduction to C Programming	2	0	2	AE,CV,ME,EE,EC	AE,CV,ME,EE
22ESC146/246	Introduction to Aeronautical Engineering	3	0	0	CV,ME,EE,CSE,EC,ISE	CV,ME,EE,CSE,EC,ISE

Emerging Technology Courses (ETC)

Code	Title	L	T	P	1 st Semester	2 nd Semester	Offering Dept.
22ETC15/25A	Smart Materials and Systems	3	0	0	AE,EE ,CSE,ISE	EC,ME,CV	ME
22ETC15/25B	Green Buildings	3	0	0	AE,EE ,CSE,ISE	EC,ME,CV	CV
22ETC15/25C	Introduction to Nano Technology	3	0	0	AE,EE ,CSE,ISE	EC,ME,CV	NanoScience, Che
22ETC15/25D	Introduction to Sustainable Engineering	3	0	0	AE,EE ,CSE,ISE	EC,ME,CV	CV
22ETC15/25E	Renewable Energy Sources	3	0	0	AE,EE ,CSE,ISE	EC,ME,CV	EE,ME
22ETC15/25F	Introduction to Communication Systems	3	0	0	AE,EE ,CSE,ISE	EC,ME,CV	EC
22ETC15/25G	Introduction to Internet of Things (IoT)	3	0	0	AE,EE ,CSE,ISE	EC,ME,CV	ISE
22ETC15/25H	Introduction to Cyber Security	3	0	0	AE,EE ,CSE,ISE	EC,ME,CV	CSE
22ETC15/25I	Introduction to Solar technology	3	0	0	AE,EE ,CSE,ISE	EC,ME,CV	EE
22ETC15/25J	Introduction to Electric vehicles	3	0	0	AE,EE ,CSE,ISE	EC,ME,CV	EE

Programming Language Courses (PLC)

Code	Title	L	T	P	1 st Semester	2 nd Semester
22PLC15/25A	Introduction to Web Programming	2	0	2	EC,ME,CV	AE,EE ,CSE,ISE
22PLC15/25B	Introduction to Python Programming	2	0	2	EC,ME,CV	AE,EE ,CSE,ISE
22PLC15/25C	Basics of JAVA programming	2	0	2	EC,ME,CV	AE,EE ,CSE,ISE
22PLC15/25D	Introduction to C++ Programming	2	0	2	EC,ME,CV	AE,EE ,CSE,ISE

- The student has to select one course from the ESC group.
- The students have to opt for the courses from ESC group without repeating the course in either 1st or 2nd semester
- The students must select one course from either ETC or PLC group according to the cycle.