

MECHANICAL ENGINEERING PROGRAMME

Semesters

Credits

8		HU/SS 2 3(varied)	Elective 5 3(varied)	Elective 6 3(varied)	Elective 7 3(varied)	Main Project Part B		18
7		Free Elective 2 3(varied)	Professional Development 3(1-2-4)	Advanced Thermofluids 3(1-2-4)	Elective 4 3(varied)	12(0-12-6)		18
Summer break - possibility of accredited work experience								
6		HU/SS 1 3(varied)	Elective 1 3(varied)	Elective 2 3(varied)	Elective 3 3(varied)	Design, Make and Test Project 3(0-4-4)	Main Project Part A 3(0-6-4)	18
5	Professional Engineering 3 1(1-0-1)	Free Elective 1 3(varied)	Engineering Mathematics 3(3-0-4)	Heat transfer 3(3-0-4)	Mechatronics 3(3-0-4)	Comp. Continuum Mech. 3(2-1-4)	Mechanical Design 3(3-0-4)	19
Summer break - possibility of accredited work experience								
4	Professional Engineering 2 1(1-0-1)	Eng. Research Methods 3(0-4-4)	Mathematics 4 3(3-1-4)	Fluid Mechanics 3(3-1-4)	Eng. Materials & Failure 3(3-1-4)	Mechanical Vibration 3(3-1-4)	Mechanics of Solids 2 3(3-1-4)	19
3	Professional Engineering 1 1(1-0-1)	Communication Skills 3 3(2-2-4)	Mathematics 3 3(3-1-4)	Thermodynamics 3(3-1-4)	Fundamentals of Electrical Eng. 3(3-1-4)	Engineering Dynamics 3(3-1-4)	Mechanics of Solids 1 3(3-1-4)	19
Summer break - possibility of accredited work experience								
2		Communication Skills 2 3(2-2-4)	Mathematics 2 3(3-1-4)	Physics 2 3(3-1-4)	Materials Science 3(3-1-4)	Computer Programming 1 3(3-1-4)	Introduction to Manufacturing Tech. 3(3-1-4)	18
1		Communication Skills 1 3(2-2-4)	Mathematics 1 3(3-1-4)	Physics 1 3(3-1-4)	Introduction to Chemistry 3(3-1-4)	Introduction to Computing 3(3-1-4)	Visualisation & CAD 3(2-2-4)	18

Subject categories		
Name	Colour code	Credits
Major - Core		81
Major - Elective		21
General		42
Free electives		6
		150

Total 147

Maximum from accredited training 3

Grand Total	150
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