

BE Industrial Engineering

First year

Teaching period	Subject title	Credit points
ICT103	Programming for Engineers and Scientists	15
FE101	Number Systems and Linear Algebra	15
FE102	Principles of Physics A	15
ADMEC203	Engineering Design and Problem Solving	15
ME303	Computer Aided Design	15
EE201/EE302	Calculus and Differential Equations	15
EE101/113/202	Introduction to Electrical and Electronic Engineering	15
ME101	Mechanics of Solids	15

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Second year

Teaching period	Subject title	Credit points
BAE401	Vector Calculus	15
ADMEC203	Ideas to Innovation	15
RE010	Engineering Materials	15
ME201	Fluid Mechanics	15
BAE312	Systems Modelling	15
RE001/RE005	Sustainability and Renewable Energy Design	15

Teaching period	Subject title	Credit points
BAE508	Engineering Enterprise	15
BAE402	Engineering Probability and Statistics	15



Third year

Teaching period	Subject title	Credit points
BAE503	Control Systems	15
BAE408	Digital Electronics and Controllers	15
EE306/EE624	Measurement and Instrumentation	15
BAE614	Mechanical Component Design	15
BAE672-ME-EE Course	Systems Engineering	15
BAE404/ME102/ME107	Thermodynamics	15
BAE608	Engineering Design Project	30



Fourth year

Teaching period	Subject title	Credit points
BAE605	Engineering Project	30
Elective EE/CE/ME		

Teaching period	Subject title	Credit points
BAE608	Engineering Major Project	60
internship	Work Integrated Learning	60
BAE606	Integrated Building Design	15
Mgt307	Commercialising Innovation	15
BAE682 (ME Mech)	Design for Manufacture	15
BAE691 (ME Mech)	Robotic Systems Design	15