Program Structure

Year One			
Semester	Unit Code	Subjects	Credit Points
Semester 1	BSC101C	Engineering Mathematics 1 (Core)	3
Semester 1	BSC102C	Electrical Circuit Theory and Analysis (Core)	3
Semester 1	BSC103C	Engineering Dynamics and Mechanics (Core)	3
Semester 1	BSC203C	Engineering Design and Drawing (Core)	3
Semester 1/2	BSC109C	Industrial Experience Research Project	3
Semester 2	BSC104C	Engineering Mathematics 2 (Core)	3
Semester 2	BSC201C	Engineering Programming (Core)	3
Semester 2	BME106S	Hydraulics and Pneumatics	3
Semester 2	BSC107C	Physics and Chemistry for Engineers (Core)	3

Year Two			
Semester	Unit Code	Subjects	Credit Points
Semester 1	BME108S	Pumps, Seals, Compressors and Turbines	3
Semester 1	BSC105C	Mechanics of Machines (Core)	3
Semester 1	BSC202C	Engineering Mathematics 3 (Core)	3
Semester 1	BME205S	Process Plant Layout, Piping and Pipeline Systems	3
Semester 1	BSC302C	Project Planning, Management and Costing (Core)	3
Semester 2	BME204S	Mechanical Design	3
Semester 2	BME206S	Fluid Mechanics	3
Semester 2	BME207S	Thermodynamics	3
Semester 2	BME209S	Automation, Measurement and Control	3

Year Three			
Semester	Unit Code	Subjects	Credit Points
Semester 1	BME208S	Energy Systems	3
Semester 1	BME301S	Lubrication, Maintenance and Condition Monitoring	3
Semester 1	BME303S	Heat and Mass Transfer	3
Semester 1	BME304S	Heating, Ventilation and Air-Conditioning Systems	3
Semester 1	BSC305C	Technology, Sustainability and Society (Core)	3
Semester 2	BME306S	Manufacturing Processes and Technology	3
Semester 2	BSC307C	Final Year Project (Mechanical Engineering)	9

Additional Mandatory Units			
Semester	Unit Code	Subjects	Credit Points
N/A	BXX001	Hands-on Workshop 1	0
N/A	BXX002	Hands-on Workshop 2	0
N/A	BXX003	Hands-on Workshop 3	0
N/A	BXX004	Hands-on Workshop 4	0
N/A	BSC110C	Industrial Experience	0
N/A	BSC210C	Industrial Experience	0

Work-Integrated Learning

EIT's Bachelor of Science programs require students to undertake 240 hours of paid or unpaid professional work-integrated learning. This can incorporate paid or unpaid internships, site visits, contributing to industry projects, and networking activities.

In undertaking an internship, students will interact with employees and become exposed to organizational policy and culture. You will familiarize yourself with organizational communication procedures, a variety of engineering disciplines, and obtain insight and practical aptitude in projects from the planning phase to completion.

If you already have some work experience in the relevant engineering field, you may apply to have credit granted by completing the associated recognition of prior learning form.