

MATH 3083	Advanced Partial Differential Equations	15	Semester 1
SESG 3024	Manufacturing and Materials	15	Semester 1
SESM 3028	Biomaterials	15	Semester 2
SESM 3031	Automobile Systems	15	Semester 1
SESM 3032	Heat Transfer and Applications	15	Semester 2
SESM 3033	Orthopaedic Biomechanics	15	Semester 1

Programme: MEng Mechanical Engineering	
Term:	2020-2021 Academic Session (202021)
Area title:	3847-4 - Naval Engineering P4

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
FEEG 6013	Group Design Project	45	Yes	Full Academic Year
MANG 6143	Project Risk Management	15	No	Semester 2
SESG 6035	Advanced Sensors & Cond Mntrg	15	No	Semester 1
SESM 6034	Advanced Electrical Systems	15	No	Semester 1
SESS 3025	Marine Engineering	15	No	Semester 1

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule 1	Select 1 Semester 2 Module		
FEEG 6009	Design Search and Optimisation (DSO) - Principles, Methods,	15	Semester 2
ISVR 6139	Active Control of Sound and Vibration	15	Semester 2
SESG 6040	Failure of Materials and Components	15	Semester 2
SESM 6037	Automotive Propulsion	15	Semester 2

SESM 6038	Computational methods in biomedical engineering design	15	Semester 2
SESM 6050	Tribology for Future Mobility	15	Semester 2

3850 MEng Mechanical Engineering with Semester in Industry

Programme:	MEng Mechanical Engineering
Term:	2020-2021 Academic Session (202021)
Area title:	3838-1 - MEng Mechanical Engineering P1

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
FEEG 1001	Design and Computing	30	Yes	Full Academic Year
FEEG 1002	Mech, Structures & Materials	30	Yes	Full Academic Year
FEEG 1003	ThermoFluids	15	Yes	Full Academic Year
FEEG 1004	Elec and Electronic Syst	15	Yes	Full Academic Year
FEEG 1010	Laboratory Report	0	Yes	Full Academic Year
FEEG 1020	Technical Essay	0	Yes	Full Academic Year
FEEG 1030	Assessment in Design	0	Yes	Full Academic Year
FEEG 1040	Multiple Choice Exam Eng Fund	0	Yes	Full Academic Year
FEEG 1050	Long Answer Exam: Eng ProbSolv	0	Yes	Full Academic Year
FEEG 1200	Induction for Engineers	0	No	Semester 1
MATH 1054	Maths for Eng & Environment	15	Yes	Full Academic Year
MATH 1061	Engineering Maths Workshop	0	No	Full Academic Year
SESM 1016	Mechanical Systems Analysis	15	Yes	Full Academic Year
SESM 1200	Induction for Mechanical Eng	0	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
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No optional modules in this Part

Programme:	MEng Mechanical Engineering
Term:	2020-2021 Academic Session (202021)
Area title:	3838-2 - MEng Mechanical Engineering P2

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
FEEG 2001	Systems Design and Computing	15	No	Full Academic Year
FEEG 2002	Mechanics Machines & Vibration	15	No	Semester 2
FEEG 2003	Fluid Mechanics	15	No	Semester 2
FEEG 2004	Electronics, Drives & Control	15	No	Semester 1
FEEG 2005	Materials and Structures	15	No	Semester 2
FEEG 2006	Engineering Management & Law	15	No	Full Academic Year
MATH 2048	Maths for Eng & the Enviro II	15	No	Semester 1
SESM 2017	Thermodynamics	15	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
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No optional modules in this Part

Programme:	MEng Mechanical Engineering
Term:	2020-2021 Academic Session (202021)
Area title:	3850-3 - Semester in Industry P3

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
SESG 3024	Manufacturing and Materials	15	No	Semester 1
SESM 3029	Eng Design with Management	15	No	Semester 2
SESM 3032	Heat Transfer & Applications	15	No	Semester 2
SESM 3034	Sem in Ind Project Reflect Eng	45	Yes	Semester 1

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule 1	Select 2 Semester 2 Modules		
FEEG 3002	Vehicle Powertrain, Noise and Vibration	15	Semester 2
LANG XX15	Language Module	15	Show Electives
MANG 3049	Accounting and Finance for Engineers	15	Semester 2
MATH 3082	Optimisation	15	Semester 2
SESA 3033	Wing Aerodynamics	15	Semester 2
SESM 3028	Biomaterials	15	Semester 2

Programme:	MEng Mechanical Engineering
Term:	2020-2021 Academic Session (202021)
Area title:	3850-4 - Semester in Industry P4

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
FEEG 6013	Group Design Project	45	Yes	Full Academic Year
MANG 6143	Project Risk Management	15	No	Semester 2

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule 1	Select 4 modules		
Rule 1.1	Select 1 to 2 modules		

SESG 6042	Materials for Transport Applications	15	Semester 1
SESM 6032	Sustainable energy systems, resources and usage	15	Semester 1
Rule 1.2	Select 1 to 3 modules		
FEEG 6002	Advanced Computational Methods I	15	Semester 1
FEEG 6005	Applications of CFD	15	Semester 1
FEEG 6009	Design Search and Optimisation (DSO) - Principles, Methods,	15	Semester 2
FEEG 6010	Advanced Finite Element Analysis	15	Semester 2
ISVR 6136	Fundamentals of Acoustics	15	Semester 1
ISVR 6138	Biomedical Application of Signal and Image Processing	15	Semester 2
ISVR 6139	Active Control of Sound and Vibration	15	Semester 2
MATH 6141	Numerical Methods	15	Semester 1
SESG 6034	Surface Engineering	15	Semester 1
SESG 6035	Advanced Sensors and Condition Monitoring	15	Semester 1
SESG 6039	Composites Engineering Design and Mechanics	15	Semester 1
SESG 6040	Failure of Materials and Components	15	Semester 2
SESG 6044	Microstructural and Surface Characterisation	15	Full Academic Year
SESM 6034	Advanced Electrical Systems	15	Semester 1
SESM 6036	Biomedical Implants and Devices	15	Semester 1
SESM 6037	Automotive Propulsion	15	Semester 2
SESM 6038	Computational methods in biomedical engineering design	15	Semester 2
SESM 6050	Tribology for Future Mobility	15	Semester 2

5409 MEng Mechanical Engineering with Computational Eng & Design

Programme:	MEng Mechanical Engineering
Term:	2020-2021 Academic Session (202021)
Area title:	3838-1 - MEng Mechanical Engineering P1

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
FEEG 1001	Design and Computing	30	Yes	Full Academic Year
FEEG 1002	Mech, Structures & Materials	30	Yes	Full Academic Year
FEEG 1003	ThermoFluids	15	Yes	Full Academic Year
FEEG 1004	Elec and Electronic Syst	15	Yes	Full Academic Year
FEEG 1010	Laboratory Report	0	Yes	Full Academic Year
FEEG 1020	Technical Essay	0	Yes	Full Academic Year
FEEG 1030	Assessment in Design	0	Yes	Full Academic Year
FEEG 1040	Multiple Choice Exam Eng Fund	0	Yes	Full Academic Year
FEEG 1050	Long Answer Exam: Eng ProbSolv	0	Yes	Full Academic Year
FEEG 1200	Induction for Engineers	0	No	Semester 1
MATH 1054	Maths for Eng & Environment	15	Yes	Full Academic Year
MATH 1061	Engineering Maths Workshop	0	No	Full Academic Year
SESM 1016	Mechanical Systems Analysis	15	Yes	Full Academic Year
SESM 1200	Induction for Mechanical Eng	0	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

Programme:	MEng Mechanical Engineering
Term:	2020-2021 Academic Session (202021)
Area title:	3838-2 - MEng Mechanical Engineering P2

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
FEEG 2001	Systems Design and Computing	15	No	Full Academic Year
FEEG 2002	Mechanics Machines & Vibration	15	No	Semester 2
FEEG 2003	Fluid Mechanics	15	No	Semester 2
FEEG 2004	Electronics, Drives & Control	15	No	Semester 1
FEEG 2005	Materials and Structures	15	No	Semester 2
FEEG 2006	Engineering Management & Law	15	No	Full Academic Year
MATH 2048	Maths for Eng & the Enviro II	15	No	Semester 1
SESM 2017	Thermodynamics	15	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

Programme:	MEng Mechanical Engineering
Term:	2020-2021 Academic Session (202021)
Area title:	5409-3 - Computational Eng & Des P3

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
FEEG 3001	Finite Elem Anlys Solid Mech	15	No	Semester 1

FEEG 3003	Individual Project	30	Yes	Full Academic Year
SESG 3024	Manufacturing and Materials	15	No	Semester 1
SESM 3029	Eng Design with Management	15	No	Semester 2
SESM 3032	Heat Transfer & Applications	15	No	Semester 2

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule 1	Select 2 Modules Please select 1 module from semester 1 and 1 module from semester 2.		
FEEG 3002	Vehicle Powertrain, Noise and Vibration	15	Semester 2
FEEG 3004	Human Factors in Engineering	15	Semester 1
ISVR 6136	Fundamentals of Acoustics	15	Semester 1
LANG XX15	Language Module	15	Show Electives
MANG 3049	Accounting and Finance for Engineers	15	Semester 2
MATH 3081	Operational Research	15	Semester 1
MATH 3082	Optimisation	15	Semester 2
MATH 3083	Advanced Partial Differential Equations	15	Semester 1
SESA 3033	Wing Aerodynamics	15	Semester 2
SESM 3028	Biomaterials	15	Semester 2
SESM 3030	Control and Instrumentation	15	Semester 1
SESM 3031	Automobile Systems	15	Semester 1
SESM 3033	Orthopaedic Biomechanics	15	Semester 1

Programme: MEng Mechanical Engineering

Term:	2020-2021 Academic Session (202021)
Area title:	5409-4 - Computational Eng & Des P4

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
FEEG 6002	Advd Computational Methods 1	15	No	Semester 1
FEEG 6009	Design Search & Optimisation	15	No	Semester 2
FEEG 6013	Group Design Project	45	Yes	Full Academic Year
MANG 6143	Project Risk Management	15	No	Semester 2

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule 1	Select 2 modules		
Rule 1.1	Select 1 to 2 modules		
SESG 6042	Materials for Transport Applications	15	Semester 1
SESM 6032	Sustainable energy systems, resources and usage	15	Semester 1
Rule 1.2	Select 0 to 1 modules		
FEEG 6005	Applications of CFD	15	Semester 1
FEEG 6010	Advanced Finite Element Analysis	15	Semester 2
ISVR 6136	Fundamentals of Acoustics	15	Semester 1
ISVR 6138	Biomedical Application of Signal and Image Processing	15	Semester 2
ISVR 6139	Active Control of Sound and Vibration	15	Semester 2

MATH 6141	Numerical Methods	15	Semester 1
SESG 6034	Surface Engineering	15	Semester 1
SESG 6035	Advanced Sensors and Condition Monitoring	15	Semester 1
SESG 6039	Composites Engineering Design and Mechanics	15	Semester 1
SESG 6040	Failure of Materials and Components	15	Semester 2
SESG 6044	Microstructural and Surface Characterisation	15	Full Academic Year
SESM 6034	Advanced Electrical Systems	15	Semester 1
SESM 6036	Biomedical Implants and Devices	15	Semester 1
SESM 6037	Automotive Propulsion	15	Semester 2
SESM 6038	Computational methods in biomedical engineering design	15	Semester 2
SESM 6050	Tribology for Future Mobility	15	Semester 2

5410 MEng Mechanical Engineering with Acoustical Engineering

Programme:	MEng Mechanical Engineering
Term:	2020-2021 Academic Session (202021)
Area title:	3838-1 - MEng Mechanical Engineering P1

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
FEEG 1001	Design and Computing	30	Yes	Full Academic Year
FEEG 1002	Mech, Structures & Materials	30	Yes	Full Academic Year
FEEG 1003	ThermoFluids	15	Yes	Full Academic Year
FEEG 1004	Elec and Electronic Syst	15	Yes	Full Academic Year
FEEG 1010	Laboratory Report	0	Yes	Full Academic Year
FEEG 1020	Technical Essay	0	Yes	Full Academic Year

FEEG 1030	Assessment in Design	0	Yes	Full Academic Year
FEEG 1040	Multiple Choice Exam Eng Fund	0	Yes	Full Academic Year
FEEG 1050	Long Answer Exam: Eng ProbSolv	0	Yes	Full Academic Year
FEEG 1200	Induction for Engineers	0	No	Semester 1
MATH 1054	Maths for Eng & Environment	15	Yes	Full Academic Year
MATH 1061	Engineering Maths Workshop	0	No	Full Academic Year
SESM 1016	Mechanical Systems Analysis	15	Yes	Full Academic Year
SESM 1200	Induction for Mechanical Eng	0	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

Programme:	MEng Mechanical Engineering
Term:	2020-2021 Academic Session (202021)
Area title:	3838-2 - MEng Mechanical Engineering P2

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
FEEG 2001	Systems Design and Computing	15	No	Full Academic Year
FEEG 2002	Mechanics Machines & Vibration	15	No	Semester 2
FEEG 2003	Fluid Mechanics	15	No	Semester 2
FEEG 2004	Electronics, Drives & Control	15	No	Semester 1
FEEG 2005	Materials and Structures	15	No	Semester 2
FEEG 2006	Engineering Management & Law	15	No	Full Academic Year
MATH 2048	Maths for Eng & the Enviro II	15	No	Semester 1

SESM 2017 Thermodynamics	15	No	Semester 1
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Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

Programme:	MEng Mechanical Engineering
Term:	2020-2021 Academic Session (202021)
Area title:	5410-3 - Acoustical Engineering P3

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
FEEG 3003	Individual Project	30	Yes	Full Academic Year
ISVR 3064	Noise Control Engineering	15	No	Semester 1
ISVR 6136	Fundamentals of Acoustics	15	No	Semester 1
SESG 3024	Manufacturing and Materials	15	No	Semester 1
SESM 3029	Eng Design with Management	15	No	Semester 2

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule 1	Select two modules		
FEEG 3001	Finite Element Analysis in Solid Mechanics	15	Semester 1
FEEG 3002	Vehicle Powertrain, Noise and Vibration	15	Semester 2
FEEG 3004	Human Factors in Engineering	15	Semester 1
ISVR 3061	Human Responses to Sound and Vibration	15	Semester 2
LANG XX15	Language Module	15	Show Electives

MANG 3049	Accounting and Finance for Engineers	15	Semester 2
MATH 3081	Operational Research	15	Semester 1
MATH 3082	Optimisation	15	Semester 2
MATH 3083	Advanced Partial Differential Equations	15	Semester 1
SESA 3033	Wing Aerodynamics	15	Semester 2
SESM 3028	Biomaterials	15	Semester 2
SESM 3030	Control and Instrumentation	15	Semester 1
SESM 3031	Automobile Systems	15	Semester 1
SESM 3032	Heat Transfer and Applications	15	Semester 2
SESM 3033	Orthopaedic Biomechanics	15	Semester 1
SESM 3037	Technology Fundamentals for Sustainable Energy	15	Semester 2

Programme:	MEng Mechanical Engineering
Term:	2020-2021 Academic Session (202021)
Area title:	5410-4 - Acoustical Engineering P4

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
FEEG 6013	Group Design Project	45	Yes	Full Academic Year
ISVR 6130	Signal Processing	15	No	Semester 1
ISVR 6148	Theoretical & Comput Acoustics	15	No	Semester 2

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule 1	Select three modules		

Rule 1.1	Select two to three modules		
FEEG 6002	Advanced Computational Methods I	15	Semester 1
FEEG 6004	Aeroacoustics	15	Semester 2
FEEG 6005	Applications of CFD	15	Semester 1
FEEG 6009	Design Search and Optimisation (DSO) - Principles, Methods,	15	Semester 2
FEEG 6010	Advanced Finite Element Analysis	15	Semester 2
FEEG 6011	Architectural and Building Acoustics	15	Semester 2
ISVR 6130	Signal Processing	15	Semester 1
ISVR 6137	Electroacoustics	15	Semester 1
ISVR 6139	Active Control of Sound and Vibration	15	Semester 2
ISVR 6148	Theoretical and Computational Acoustics	15	Semester 2
LANG XX15	Language Module	15	Show Electives
MATH 6141	Numerical Methods	15	Semester 1
SESG 6034	Surface Engineering	15	Semester 1
SESG 6039	Composites Engineering Design and Mechanics	15	Semester 1
SESG 6040	Failure of Materials and Components	15	Semester 2
SESG 6042	Materials for Transport Applications	15	Semester 1
SESG 6044	Microstructural and Surface Characterisation	15	Full Academic Year
SESM 6032	Sustainable energy systems, resources and usage	15	Semester 1
SESM 6034	Advanced Electrical Systems	15	Semester 1
SESM 6036	Biomedical Implants and Devices	15	Semester 1
SESM 6038	Computational methods in biomedical engineering design	15	Semester 2
SESM 6050	Tribology for Future Mobility	15	Semester 2

Rule 1.2	Select zero to one modules		
SESA 6075	Aircraft Propulsion	15	Semester 1
SESM 6037	Automotive Propulsion	15	Semester 2

5850 MEng Mechanical Engineering with Biomedical Engineering

Programme:	MEng Mechanical Engineering
Term:	2020-2021 Academic Session (202021)
Area title:	3838-1 - MEng Mechanical Engineering P1

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
FEEG 1001	Design and Computing	30	Yes	Full Academic Year
FEEG 1002	Mech, Structures & Materials	30	Yes	Full Academic Year
FEEG 1003	ThermoFluids	15	Yes	Full Academic Year
FEEG 1004	Elec and Electronic Syst	15	Yes	Full Academic Year
FEEG 1010	Laboratory Report	0	Yes	Full Academic Year
FEEG 1020	Technical Essay	0	Yes	Full Academic Year
FEEG 1030	Assessment in Design	0	Yes	Full Academic Year
FEEG 1040	Multiple Choice Exam Eng Fund	0	Yes	Full Academic Year
FEEG 1050	Long Answer Exam: Eng ProbSolv	0	Yes	Full Academic Year
FEEG 1200	Induction for Engineers	0	No	Semester 1
MATH 1054	Maths for Eng & Environment	15	Yes	Full Academic Year
MATH 1061	Engineering Maths Workshop	0	No	Full Academic Year
SESM 1016	Mechanical Systems Analysis	15	Yes	Full Academic Year

SESM 1200 Induction for Mechanical Eng	0	No	Semester 1
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Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

Programme:	MEng Mechanical Engineering
Term:	2020-2021 Academic Session (202021)
Area title:	3838-2 - MEng Mechanical Engineering P2

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
FEEG 2001	Systems Design and Computing	15	No	Full Academic Year
FEEG 2002	Mechanics Machines & Vibration	15	No	Semester 2
FEEG 2003	Fluid Mechanics	15	No	Semester 2
FEEG 2004	Electronics, Drives & Control	15	No	Semester 1
FEEG 2005	Materials and Structures	15	No	Semester 2
FEEG 2006	Engineering Management & Law	15	No	Full Academic Year
MATH 2048	Maths for Eng & the Enviro II	15	No	Semester 1
SESM 2017	Thermodynamics	15	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

Programme:	MEng Mechanical Engineering
Term:	2020-2021 Academic Session (202021)

Area title: 5850-3 - Biomedical Engineering P3

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
FEEG 3003	Individual Project	30	Yes	Full Academic Year
SESG 3024	Manufacturing and Materials	15	No	Semester 1
SESM 3028	Biomaterials	15	No	Semester 2
SESM 3029	Eng Design with Management	15	No	Semester 2
SESM 3033	Orthopaedic Biomechanics	15	No	Semester 1

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule 1	Select 2 Modules Please select 1 module from semester 1 and 1 module from semester 2.		
FEEG 3001	Finite Element Analysis in Solid Mechanics	15	Semester 1
FEEG 3002	Vehicle Powertrain, Noise and Vibration	15	Semester 2
FEEG 3004	Human Factors in Engineering	15	Semester 1
ISVR 6136	Fundamentals of Acoustics	15	Semester 1
LANG XX15	Language Module	15	Show Electives
MATH 3081	Operational Research	15	Semester 1
MATH 3082	Optimisation	15	Semester 2
MATH 3083	Advanced Partial Differential Equations	15	Semester 1
SESM 3030	Control and Instrumentation	15	Semester 1
SESM 3031	Automobile Systems	15	Semester 1
SESM 3032	Heat Transfer and Applications	15	Semester 2

Programme:	MEng Mechanical Engineering
Term:	2020-2021 Academic Session (202021)
Area title:	5850-4 - Biomedical Engineering P4

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
FEEG 6013	Group Design Project	45	Yes	Full Academic Year
MANG 6143	Project Risk Management	15	No	Semester 2
SESM 6036	Biomed Implants & Devices	15	No	Semester 1
SESM 6038	Comp Meth in Biomed Eng Des	15	No	Semester 2

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule 1	Select 2 modules		
Rule 1.1	Select 1 to 2 modules		
SESG 6042	Materials for Transport Applications	15	Semester 1
SESM 6032	Sustainable energy systems, resources and usage	15	Semester 1
Rule 1.2	Select 0 to 1 modules		
ELEC 6227	Medical Electrical and Electronic Technologies	15	Semester 2
FEEG 6002	Advanced Computational Methods I	15	Semester 1
FEEG 6005	Applications of CFD	15	Semester 1

FEEG 6009	Design Search and Optimisation (DSO) - Principles, Methods,	15	Semester 2
FEEG 6010	Advanced Finite Element Analysis	15	Semester 2
ISVR 6136	Fundamentals of Acoustics	15	Semester 1
ISVR 6138	Biomedical Application of Signal and Image Processing	15	Semester 2
ISVR 6139	Active Control of Sound and Vibration	15	Semester 2
ISVR 6144	Introduction to Biomedical Engineering	15	Semester 1
MATH 6141	Numerical Methods	15	Semester 1
MEDI 6219	Translational Medicine	15	Semester 2
MEDI 6226	Human Biology & Systems Physiology	15	Semester 1
NATS 6008	Biomedical Spectroscopy and Imaging	15	Semester 2
SESA 6066	Biological Flow	15	Semester 2
SESG 6034	Surface Engineering	15	Semester 1
SESG 6035	Advanced Sensors and Condition Monitoring	15	Semester 1
SESG 6039	Composites Engineering Design and Mechanics	15	Semester 1
SESG 6040	Failure of Materials and Components	15	Semester 2
SESG 6042	Materials for Transport Applications	15	Semester 1
SESG 6044	Microstructural and Surface Characterisation	15	Full Academic Year
SESM 6032	Sustainable energy systems, resources and usage	15	Semester 1
SESM 6034	Advanced Electrical Systems	15	Semester 1
SESM 6037	Automotive Propulsion	15	Semester 2
SESM 6050	Tribology for Future Mobility	15	Semester 2

5888 MEng Mechanical Engineering with Semester Abroad: Semester One

Programme: MEng Mechanical Engineering

Term:	2020-2021 Academic Session (202021)
Area title:	3838-1 - MEng Mechanical Engineering P1

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
FEEG 1001	Design and Computing	30	Yes	Full Academic Year
FEEG 1002	Mech, Structures & Materials	30	Yes	Full Academic Year
FEEG 1003	ThermoFluids	15	Yes	Full Academic Year
FEEG 1004	Elec and Electronic Syst	15	Yes	Full Academic Year
FEEG 1010	Laboratory Report	0	Yes	Full Academic Year
FEEG 1020	Technical Essay	0	Yes	Full Academic Year
FEEG 1030	Assessment in Design	0	Yes	Full Academic Year
FEEG 1040	Multiple Choice Exam Eng Fund	0	Yes	Full Academic Year
FEEG 1050	Long Answer Exam: Eng ProbSolv	0	Yes	Full Academic Year
FEEG 1200	Induction for Engineers	0	No	Semester 1
MATH 1054	Maths for Eng & Environment	15	Yes	Full Academic Year
MATH 1061	Engineering Maths Workshop	0	No	Full Academic Year
SESM 1016	Mechanical Systems Analysis	15	Yes	Full Academic Year
SESM 1200	Induction for Mechanical Eng	0	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

Programme:	MEng Mechanical Engineering
Term:	2020-2021 Academic Session (202021)

Module	Module Title	Credit	Core?	Semester/Term
FEEG 2001	Systems Design and Computing	15	No	Full Academic Year
FEEG 2002	Mechanics Machines & Vibration	15	No	Semester 2
FEEG 2003	Fluid Mechanics	15	No	Semester 2
FEEG 2004	Electronics, Drives & Control	15	No	Semester 1
FEEG 2005	Materials and Structures	15	No	Semester 2
FEEG 2006	Engineering Management & Law	15	No	Full Academic Year
MATH 2048	Maths for Eng & the Enviro II	15	No	Semester 1
SESM 2017	Thermodynamics	15	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		