COURSE LIST

HOST UNIVERSITY	**Technological University Dublin**
SEMESTER IN THE DEGREE PROGRAMME	**All**
CLUSTER PROGRAMME	**All**
SEASON	**All**
TEACHING LANGUAGE	**All**
DOCUMENT CREATED ON	**19/11/2026**

480 course(s) · 2 542.0 ECTS in total

CODE	COURSE (LINK TO ITS DESCRIPTION)	TEACHING LANGUAGES	SEASONS	ECTS
ACVB 3000	Acoustics	English	Spring	5.0
MEC4 H4015	Advanced Computer Aided Design	English	Spring	5.0
MECH 9015	Advanced Energy Engineering Economics	English	Fall	5.0
CBEH4003	Advanced Environmental Engineering	English	Fall	5.0
CBEH 4007	Advanced Highways and Transportation	English	Spring	5.0
—	Advanced Lithography	—	Spring	5.0
BIOM H4003	Advanced Regulation for Medical Technologies	English	Fall	5.0
ACON 3111	Air Conditioning & Ventilation	English	Fall	5.0
DESI 3112	Air Conditioning & Ventilation Design Project	English	Spring	5.0
ACON 4111	Air Conditioning Engineering	English	Spring	5.0
EENG H1011	Algebra & Geometry	English	Fall	5.0
—	Analysis of Analogue Communications	English	Spring	5.0
—	Analysis of Digital Communication	English	Fall	5.0
MECH 1103	Applied Engineering Science 1	English	Fall	5.0
MECH 1203	Applied Engineering Science 2	English	Spring	5.0
FLUD 3111	Applied Fluid Mechanics	English	Spring	5.0
SCNC 1411	Applied Physics for Design 1	English	—	5.0
SCNC 2411	Applied Physics for Design 2	English	—	5.0
MECH 3018	Applied Thermodynamics	English	Spring	5.0
ARCH3000	Architectural Design Studio 5	English	Fall	15.0

CODE	COURSE (LINK TO ITS DESCRIPTION)	TEACHING LANGUAGES	SEASONS	ECTS
ARCH3109	Architectural Design Studio 6	English	Spring	15.0
ARCH4106	Architectural Design Studio 7	English	Fall	15.0
ARCH4107	Architectural Design Studio 8	English	Spring	15.0
ARCH4001	Architecture, Collaboration and Society	English	Spring	5.0
AUTO H2003	Automation	English	Fall, Spring	5.0
MECH H3015	Automation 1	English	Fall	5.0
MECH H3021	Automation 2	English	Spring	5.0
AUTO H3007	Automation systems	English	Fall	5.0
AUTO 2103	Automation Systems (AE & R)	English	Fall	5.0
ATEC 1103	Automation Technology	English	Fall	5.0
AUTO H1001	Automation [SME]	English	Spring	5.0
PROJ H3073	BEng Energy Project 2	English	Spring	5.0
ENTN H4001	Bio-energy Systems	English	Fall	5.0
BMOA H4000	Bio-Modelling and Analysis	English	Fall	5.0
BIMA H2000	Biomaterials 1	English	Spring	5.0
BIMA H4000	Biomaterials 2	English	Fall	5.0
MECH 9017	Biomechanics	English	Spring	5.0
BIOM H1001	Biomechanics 1	English	Fall	5.0
BIOM H2222	Biomechanics 2	English	Spring	5.0
BIOM H2333	Biomechanics 3	English	Fall	5.0
BIOM H3004	Biomechanics 4	English	Fall	5.0
BIOM H2006	Biomedical Sensors	English	Fall	5.0
BLTT 3200	Building Fabric Load Assessment	English	Fall	5.0
DESI 3111	Building Heat Transfer and Simulation	English	—	10.0
CBEH 2103	Building Technolog	English	Spring	5.0
ARCH3001	Building, Technology and Structures 4	English	Spring	5.0
ARCH3322	Building, Technology, Structures 4 (History of Building)	English	Fall	5.0
ARCH4322	Building, Technology, Structures 6	English	Spring	5.0
BUMA 3203	Business and Management	English	Spring	5.0
—	C Programming	English	Fall	5.0

CODE	COURSE (LINK TO ITS DESCRIPTION)	TEACHING LANGUAGES	SEASONS	ECTS
COMP 2100	CAD & Energy Performance	English	—	5.0
COMP 1103	CAD & IT 1	English	Fall	5.0
COMP 1203	CAD & IT 2	English	Spring	5.0
COMP 2103	CAD & IT III	English	Fall	5.0
COMP 3103	CAD + IT 4	English	Fall	5.0
COMP 3203	CAD + IT 5	English	Spring	5.0
MECH 4015	Capstone Project (Mechanical)	English	—	15.0
EENG H1015	Circuit Theory	English	Fall	5.0
CDES H1002	Circuits & Schematics	English	Spring	5.0
CIVL 3803	Civil Engineering Hydraulic I	English	Fall	5.0
CIVL 3804	Civil Engineering Hydraulic II	English	Spring	5.0
CBEH 4012	Civil Engineering Practice & Law	English	Fall	5.0
CBEH 4008	Civil Engineering Scheme	English	—	10.0
CIVL 4810	Civil Project	English	—	10.0
CMPU3006	Client Serving Programming	English	Fall	5.0
TFFP 9008	Climate for Sustainability	English	Fall	5.0
ANPH H2000	Clinical Human Anatomy & Physiology 2	English	Spring	5.0
CMPU3007	Cloud Computing	English	Fall	0.0
BIOM H3010	Coding for Biosignal Analysis	English	Spring	5.0
COMM 1412	Communications	English	—	5.0
ENCM 1401	Communications & Design Engineering	English	—	5.0
COMM 1103	Communications 1	English	—	5.0
—	Communications Engineering	English	Fall	5.0
COMM 2103	Communications II (Business Communications and the Business Environment)	English	Fall	5.0
MECH 9013	Computational Fluid Dynamics	English	Spring	5.0
COMP 1401	Computer & Engineering Graphics	English	—	10.0
MECH H2016	Computer Aided Design	English	Fall	5.0
MECH H2028	Computer Aided Design/Manufacture (CAD/CAM)	English	Spring	5.0
MECH 4012	Computer Modelling	English	Spring	5.0
COSM 4111	Computer Modelling and Simulation	English	—	5.0

CODE	COURSE (LINK TO ITS DESCRIPTION)	TEACHING LANGUAGES	SEASONS	ECTS
—	Computer Network Fundamentals	English	Fall	5.0
MECH H3019	Computer Networks	English	Spring	5.0
COPR H3000	Computer Programming	English	Fall	5.0
CBEH 2102	Concrete Technology	English	Fall	5.0
CBEH 4002	Construction Management and Economics	English	Spring	5.0
CONS 2103	Construction Technology	English	Fall	5.0
AUTO 2111	Control and Automation	English	Spring	5.0
CONT 4111	Control Engineering (Building Engineering)	English	Spring	5.0
MECH 3019	Control Engineering 1	English	Spring	5.0
MECH 4019	Control Engineering 2	English	Fall	5.0
BIOM H3007	Control of Actuators	English	Fall	5.0
—	Control Systems	English	Spring	5.0
—	Control Systems Design	English	Fall	5.0
MEC4 H4012	Control Systems [BC]	English	Fall	5.0
REFG 4111	Cooling Systems Engineering	English	Fall	5.0
BIOM H2009	Creative Design & Visual Communication 2	English	Spring	5.0
BIOM H1011	Creative Design & Visual Communications 1	English	Fall	5.0
CDFL 1411	Creative Design Studio 1	English	—	5.0
CSKD H1000	Critical Skills Development	English	Fall	5.0
CMPU3100	Cryptography & Cyber Security	—	Spring	5.0
CMPU3010	Databases 2	English	Fall	5.0
DRED H3001	Demand Reduction	English	Spring	5.0
DESI H3002	Design	English	Fall	5.0
DGMM 3411	Design & Manufacturing Methods	English	Fall	5.0
SYSD H3001	Design & Materials	English	Spring	5.0
DESN 3112	Design & Teambuilding	English	—	5.0
DGAL 3411	Design Analysis	English	Spring	5.0
DEMF 4111	Design and Manufacture	English	Fall	5.0
DGTT 3411	Design for Tooling and Manufacture	English	Fall	10.0
DGHY 1411	Design History	English	Fall	5.0

CODE	COURSE (LINK TO ITS DESCRIPTION)	TEACHING LANGUAGES	SEASONS	ECTS
DGIV 2411	Design Innovation	English	Fall	5.0
MATH 1413	Design Mathematics 1	English	—	5.0
MATH 2413	Design Mathematics 2	English	—	5.0
MECH H3020	Design Methodology & Tools	English	Fall	5.0
STRT 3811	Design of Structural Elements	English	Fall	5.0
STRT 3812	Design of Structural Elements 2	English	Spring	5.0
CBEH 3009	Design Project	English	Spring	5.0
PROJ 4111	Design Project (Building Engineering)	English	—	20.0
MEC4 H4017	Design Project Part 1	English	Fall	5.0
MEC4 H4023	Design Project Part 2	English	Spring	5.0
DGTY 3411	Design Theory	English	Fall	5.0
BIOM H3005	Design Thinking & Innovation	English	Fall	3.0
DGTT 2411	Design Tools & Technology	English	Spring	5.0
CDES H1001	Design with Computers 1	English	Fall	5.0
MECA H4011	Differential Equations and Numerical Methods	English	Fall	5.0
—	Digital Communications Fundamentals	English	Fall	5.0
—	Digital Design with Verilog	English	Spring	5.0
EENG H1013	Digital Electronics	English	Fall	5.0
—	Digital Finite State Machine Design	English	Fall	5.0
BIOM H4006	Digital Health	English	Spring	5.0
ADVD 4111	Digital Manufacturing and Robotics	English	Spring	5.0
—	Digital Microprocessor Design	English	Spring	5.0
—	Digital Signal Processing	English	Spring	5.0
—	Digital Systems 2	English	Fall	5.0
SYST H4000	Dynamic Systems Modelling	English	Fall	5.0
ECOM 1411	Economics	English	—	5.0
MECH 3016	Electrical & Electronic Engineering	English	Fall	5.0
BIOM H1004	Electrical and Electronic Fundamentals	English	Fall	5.0
ELCR H1002	Electrical Circuits	English	Fall	5.0
ELEC 3200	Electrical Distribution & Control	English	—	5.0

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ELEG H2001	Electrical Engineering 1	English	Fall	5.0
ELEC H1005	Electrical Fundamentals	English	Spring	5.0
EINP H2001	Electrical Installation Practice	English	Spring	5.0
ELMH H2002	Electrical Machines	English	Fall	5.0
MECH H3023	Electrical Power and Machines	English	Fall	5.0
ELEC 3111	Electrical Power Systems	English	Fall	5.0
EENG H1020	Electrical Science	English	Spring	5.0
ELNT H2002	Electrical Systems & Networks	English	Spring	5.0
MECH 2016	Electromechanical Engineering	English	Spring	5.0
EAPH H4000	Electronic Applications in Healthcare	English	Spring	5.0
ELTC H2025	Electronic Computer Aided Design	English	Spring	5.0
—	Electronic Filters and Circuits	English	Spring	5.0
ELCT 2411	Electrotechnology (Product Design)	English	Spring	5.0
ELEC 1103	Electrotechnology 1	English	Fall	5.0
ELEC 1203	Electrotechnology 2	English	Spring	5.0
ELCT 2200	Electrotechnology, Electronics and Measurement	English	Spring	5.0
MEC4 H4014	Embedded Systems	English	Fall	5.0
EMER 3111	Emerging & Renewable Energy Technologies	English	Spring	5.0
BIOM H4005	Emerging Technologies in Medical Devices	English	Spring	5.0
ENEN 2111	Energy & Building Systems Engineering	English	Fall	5.0
ENVR H2004	Energy & Environmental Regulations	English	Spring	5.0
ENMG 4111	Energy and Buildings	English	Fall	5.0
BDSV 1401	Energy and Buildings (Building Engineering, L7)	English	Fall	5.0
EAUD H3001	Energy Auditing	English	Spring	5.0
CSYS H2002	Energy Control Systems 1	English	Fall	5.0
CSYS H2003	Energy Control Systems 2	English	Spring	5.0
DIST H3001	Energy Distribution Systems 1	English	Fall	5.0
DIST H4001	Energy Distribution Systems 2	English	Fall	5.0
ECON H4008	Energy Economics and Policy	English	Spring	5.0
MECB H3014	Energy Management Systems	English	Spring	5.0

CODE	COURSE (LINK TO ITS DESCRIPTION)	TEACHING LANGUAGES	SEASONS	ECTS
ENSC H1005	Energy Science 1	English	Fall	5.0
ENSC H1006	Energy Science 2	English	Spring	5.0
MECH 4025	Energy Systems (Sustainable & Renewable)	English	Fall	5.0
MECH 2021	Engineering Computing	English	Fall	5.0
MECH 2020	Engineering Design	English	—	5.0
DESN 3111	Engineering Design 1	English	Fall	5.0
MECH 3020	Engineering Design 2	English	—	5.0
PRFD 2111	Engineering Economics & Management	English	Spring	5.0
CBEH 2107	Engineering Economics and Public Policy	English	Fall	5.0
ENGR H1006	Engineering Graphics	English	Fall	5.0
EMAN 3200	Engineering Management	English	—	5.0
MECH 4005	Engineering Management (Mechanical)	English	Fall	5.0
ENMT 2111	Engineering Materials	English	Fall	5.0
MATR 4111	Engineering Materials (Manufacturing)	English	Fall	5.0
CBEH 3002	Engineering Mathematics	English	Fall	5.0
MATH 3200	Engineering Mathematics (Building Engineering, L7 Y3)	English	—	5.0
MATH 1401	Engineering Mathematics (Building Engineering, L7)	English	—	10.0
MATH 3111	Engineering Mathematics (Mech)	English	Fall	5.0
MATH 4111	Engineering Mathematics (Mechanical)	English	Fall	5.0
MATH 2200	Engineering Mathematics 2	English	Fall	5.0
MATH 2201	Engineering Mathematics 3	English	Spring	5.0
CBEH 2113	Engineering Mathematics 4	English	Spring	5.0
CBEH 2310	Engineering Mathematics III	English	Fall	5.0
PHYS 1401	Engineering Physics	English	—	10.0
MANG 4111	Engineering Project Management	English	Fall	5.0
EENG H1014	Engineering Science	English	Fall	5.0
CBEH 2111	Engineering Structure Analysis	English	Fall	5.0
CBEH 2108	Engineering Surveying 1	English	Fall	5.0
CBEH 2109	Engineering Surveying 2	English	Spring	5.0

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MEC4 H4018	Enterprise Resource Management	English	Fall	5.0
ENTR 1950	Entrepreneurship For Engineers	English	Fall	5.0
ARCH3421	Environment, Services, Materials 3	English	Fall	5.0
ARCH4421	Environment, Services, Materials 4	English	Fall	5.0
CBEH 3003	Environmental Engineering	English	Fall	5.0
ENTC H2003	Environmental Technology	English	Fall	5.0
MSYS H4001	Facilities Management Systems	English	Spring	5.0
PROJ H4000	Final Year Project	English	Fall, Spring	10.0
FINA H3003	Financial Analysis	English	Fall	5.0
MECH 9011	Finite Element Analysis	English	Fall	5.0
FIRE 4111	Fire Engineering	English	Spring	5.0
CBEH 2104	Fluid Mechanics	English	Spring	5.0
MECH 3014	Fluid Mechanics (Mech)	English	Fall	5.0
MECH 4004	Fluid Mechanics (Mechanical)	English	Fall	5.0
FLUI H2003	Fluid Mechanics 1	English	Fall	5.0
FLUI H3002	Fluid Mechanics 2	English	Spring	5.0
FLUI H4003	Fluid Mechanics for BioEngineering	English	Spring	5.0
BIAP H3000	Fluid Mechanics for Biomedical Design	English	Fall	5.0
MECH H2013	Fluid Power Systems	English	Fall	5.0
FLUI H4000	Fluid Systems Design	—	Fall	5.0
ENSY 2101	Fluids & Thermodynamics	English	—	5.0
TFFL 9007	Food Law and Global Food Safety Regulatory Systems	English	Spring	5.0
BDSV 3202	Fuels, Combustion & Gas Services	English	Fall	5.0
EENG H1017	Fundamentals of Calculus	English	Spring	5.0
CIVL 3801	Geotechnical Engineering 1	English	Fall	5.0
CIVL 3802	Geotechnical Engineering 2	English	Spring	5.0
INTL3007	Global Classroom	English	Spring	10.0
GENV H1001	Global Environment	English	—	5.0
GREN H2002	Group Project & Enviromental Techchnology	English	Spring	5.0
GRPJ H3000	Grouped Project Based Learning	English	Spring	5.0

CODE	COURSE (LINK TO ITS DESCRIPTION)	TEACHING LANGUAGES	SEASONS	ECTS
—	GUI Development	English	Spring	5.0
MECH 9014	Heat and Mass Transfer	English	Fall	5.0
HEAT H4000	Heat Transfer	English	Spring	5.0
MECH 4008	Heat Transfer (Mech)	English	Spring	5.0
HEAT 3131	Heating & Water Services Design Project	English	Fall	5.0
HEAT 3111	Heating Systems Engineering	English	Fall	5.0
BDSV 2100	Heating Systems Engineering (Building Engineering, L7)	English	Fall	5.0
CBEH 3005	Highway Engineering	English	Spring	5.0
ARCH3501	History Theory and Criticism 5 (Contemporary Theory and Practice)	English	Spring	5.0
ARCH4501	History Theory and Criticism 6	English	Fall	5.0
ANAT H2001	Human Anatomy	English	Spring	5.0
CBEH 4005	Hydraulic Structures 1	English	Fall	5.0
CBEH 4006	Hydraulic Structures 2	English	Spring	5.0
AUTO 3203	Industrial Automation	English	Spring	5.0
MECH 2044	Industrial Control Systems	English	Spring	5.0
MECH H3018	Industrial Engineering	English	Spring	5.0
MEC4 H4022	Industrial Networks & Distributed Systems	English	Spring	5.0
AUTO 4111	Industrial Networks & Integrated Automation Systems	English	Spring	5.0
MEC4 H4016	Industrial Robotics & Vision Inspection	English	Spring	5.0
STAT H4002	Industrial Statistics & Quality	English	Fall	5.0
INFO H2009	Information technology	English	Spring	5.0
INEN H4001	Innovation and Enterprise	English	Spring	5.0
—	Innovation and Knowledge Management	—	Spring	5.0
MECH 9002	Innovation and Knowledge Management (ME, Mechanical Engineering)	English	Spring	5.0
TCTH 4411	Innovation Management and Life-cycle Design	English	Spring	5.0
MECH H2021	Instrumentation	English	Spring	5.0
INST H3002	Instrumentation & Control Systems	English	Spring	5.0

CODE	COURSE (LINK TO ITS DESCRIPTION)	TEACHING LANGUAGES	SEASONS	ECTS
BIOM H1007	Interactive Creative Computing	English	Spring	7.0
—	Interactive Embedded Systems	English	Spring	5.0
CULT 2013	Intercultural Studies	English	Spring	5.0
MECH H2026	Interfacing and Data Acquisition	English	Fall	5.0
—	Internet Systems	English	Fall	5.0
CMPU3051	Introduction to Artificial Intelligence	English	Fall	0.0
CMPU3056	Introduction to DevOps	—	Spring	5.0
—	Introduction to Digital System Level Design	—	Fall	5.0
—	Introduction to Digital VLSI Design	—	Fall	5.0
EENG H1021	Introduction to Electronic Communications	English	Spring	5.0
BIOM H1003	Introduction to Materials	English	Fall	5.0
BIOM H2007	Introduction to Medical Device Regulation	English	Fall	2.0
—	Introduction to Smart Sensors (intelligent sensors)	English	Fall	5.0
IRSH 1211	Irish Cultural Studies 1A	English	Fall	5.0
IRSH 1212	Irish Cultural Studies 2A	English	Spring	5.0
IREL 1012	Irish Language 1B1	—	Fall	5.0
NETW H2006	IT Network Management	English	Fall	5.0
—	Java Programming	English	Fall	5.0
MECH 9019	Lean Operations & Continuous Improvement Systems	English	Spring	5.0
LAPD 3411	Legal Aspects of Product Design	English	Spring	5.0
LIGT 3000	Lighting and Acoustics	English	Spring	5.0
MECH H2011	Linear Algebra and Calculus	English	Fall	5.0
MNDE H3002	Management & Professional Development	English	Spring	5.0
MGST 2411	Management and Strategy	English	Fall	5.0
MANG 2200	Management Studies	English	—	5.0
MUMT 1411	Manufacture and Materials 1	English	—	5.0
MANT 3111	Manufacturing & Robotics	English	Spring	5.0
MECH H2020	Manufacturing and Maintenance	English	Spring	5.0
MMAN 3103	Manufacturing Management	English	Fall	5.0

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OPMN 4111	Manufacturing Operations Management	English	Spring	5.0
MSYS 2103	Manufacturing Systems 2	English	Fall	5.0
MANU H4000	Manufacturing Systems and Innovative Technologies	English	Spring	5.0
MSYS 1203	Manufacturing Systems I	English	Spring	5.0
MANT 2111	Manufacturing Technology	English	Fall	5.0
MRKT 1411	Marketing	English	—	5.0
MKRS 2411	Marketing Research	English	Spring	5.0
—	Master Thesis	—	Fall, Spring	30.0
MAPR H1006	Materials & Processes 1	English	Fall	5.0
MAPR H1003	Materials and processes 2	English	Spring	5.0
MATS H4000	Materials Engineering	English	Spring	5.0
BIOM H4004	Materials for Biomedical Design 2	English	Spring	5.0
MATR 3111	Materials Properties & Processes	English	Spring	5.0
MATH H4000	Mathematical Methods	English	Fall	5.0
MATH H1018	Mathematics 1	English	Fall	5.0
MATH H1019	Mathematics 2	English	Spring	5.0
—	Mathematics 3	English	Fall	5.0
STAT H2003	Mathematics 3 [Yr 2, L8]	English	Fall	5.0
MATH H2005	Mathematics 4	English	Spring	5.0
—	Mathematics 5	English	Fall	5.0
MATH H3010	Mathematics 5 (Differential Equations)	English	Fall	5.0
—	Mathematics 6	English	Spring	5.0
MATH H3006	Mathematics 6 [TU828-3]	English	Spring	5.0
—	Mathematics 7	English	Fall	5.0
—	Mathematics 8	English	Spring	5.0
BIOM H1009	Mathematics for Biomedical Design 1	English	Fall	5.0
BIOM H1010	Mathematics for Biomedical Design 2	English	Spring	5.0
BIOM H2008	Mathematics for Biomedical Design 4	English	Spring	5.0
BIOM H3006	Mathematics for Biomedical Design 5	English	Fall	5.0
MATH 1105	Mathematics I	English	Fall	5.0

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MATH 1203	Mathematics II	English	Spring	5.0
MATH 2103	Mathematics III	English	Fall	5.0
MATH 3103	Mathematics IV	English	Fall	5.0
MATH 3203	Mathematics V	English	Spring	5.0
MEAS H4001	Measurement and Interfacing for control	English	Fall	5.0
MESY H1002	Measurement Systems	English	Spring	5.0
MECH H4000	Mechanical Design	English	Spring	5.0
MSYS 3111	Mechanical Systems Design	English	Fall	5.0
MECH 2013	Mechanics	English	Spring	5.0
MECH H3007	Mechanics & Materials	English	Spring	5.0
MEC4 H4020	Mechanics & Materials [BC]	English	Spring	5.0
MECH H1004	Mechanics 1	English	Spring	5.0
MECH H2025	Mechanics 1 [BC]	English	Fall	5.0
MECH H2006	Mechanics 2	—	Fall	5.0
MECH H3024	Mechanics 2 [BC]	English	Fall	5.0
MECH H2007	Mechanics 3	English	Spring	5.0
MECH H3003	Mechanics 4	English	Fall	5.0
MECH 3022	Mechanics of Machines	English	Spring	5.0
MECH 4003	Mechanics of Machines - Engineering Vibration	English	Spring	5.0
CBEH 2105	Mechanics of Materials	English	Fall	5.0
MECH 3021	Mechanics of Materials (Mech)	English	Fall	5.0
MECH 4002	Mechanics of Materials (Mechanical)	English	Fall	5.0
CBEH 2106	Mechanics of Materials 2	English	Spring	5.0
BIME H1005	Mechanics [SME]	English	Spring	5.0
MECT 2103	Mechatronics I	English	Fall	5.0
MECT 3103	Mechatronics II	English	Fall	5.0
BIOM H3009	Medical Device Design	English	Spring	5.0
MDDS H3000	Medical Device Design 1	English	Fall	5.0
MDDS H3001	Medical Device Design 2	English	Spring	5.0
BIOM H3008	Medical Device Manufacture	English	Spring	5.0

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MDMG H4000	Medical Device Manufacturing	English	Spring	5.0
MEDV 4111	Medical Devices	English	Fall	5.0
MEDG H3000	Medical Imaging & Graphics	English	Fall	5.0
MECH H2027	Microcontrollers	English	Spring	5.0
—	Microelectronic Materials and Devices	—	Fall	?
—	Microprocessor Fundamentals	English	Spring	5.0
MINO 4111	Microsystems and Microfabrication	English	Spring	5.0
—	Microwave and RF Engineering: Lines and Devices	—	Fall	5.0
—	Microwave and RF Engineering: Radio Propagation and Systems	—	Spring	5.0
MECH H2022	Mini Project	English	Spring	5.0
CMPU3025	Mobile Robotics	English	Spring	5.0
CMPU3036	Mobile Software Development	English	Fall	5.0
MECH 9000	Multibody Dynamics	English	Spring	5.0
MPSM H4000	Multiphysics Simulation	English	Spring	5.0
BIOM H4001	Musculoskeletal Measurement & Modelling	English	Fall	5.0
BDSV 1402	Natural and Mechanical Ventilation	English	Spring	5.0
—	Network Engineering	English	Spring	5.0
—	Network Security	—	Spring	5.0
NPDI 3412	New Product Introduction 2	English	Spring	5.0
—	Operating Systems	English	Spring	5.0
OMAN H3001	Operations & Business Management	English	Spring	5.0
MANS 3111	Operations Management	English	Fall	5.0
—	Optoelectronics (I): Devices for Optical Communications	—	Fall	5.0
—	Optoelectronics (II): Photonic Materials and Devices	—	Spring	5.0
PHSC H1002	Physical Science	English	Fall	5.0
—	Power Engineering	English	Spring	5.0
PGEN H2002	Power Generation	English	Fall	5.0

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PBIO H2000	Principles of Biology for Engineers	English	Spring	5.0
HEAT H2001	Process Heating	English	Spring	5.0
DESI 1211	Product Design Sketching	English	—	5.0
PDVS 3411	Product Visualisation	English	—	5.0
CBEH 3001	Professional Development	English	Spring	5.0
PRFD 3111	Professional Development (Mech)	English	Fall	5.0
EENG H1012	Professional Development for Engineers	English	Fall	5.0
PFPT 4411	Professional Practice	English	Spring	5.0
ARCH3621	Professional Studies 1	English	Fall	5.0
ARCH4622	Professional Studies 2	English	Spring	5.0
ARCH5621	Professional Studies 3	English	Fall	5.0
EENG H1019	Programming 1	English	Spring	5.0
MECH H3025	Project	English	Fall, Spring	10.0
PROJ H3015	Project - 3D CAD & Communications	English	Spring	10.0
—	Project 1	English	Fall	5.0
PROJ H4046	Project 1 [Energy Project]	English	Fall	5.0
—	Project 2	English	Spring	5.0
PROJ H4047	Project 2 [SME]	English	Spring	5.0
PROJ H4001	Project Management	English	Fall	5.0
PGMT H4000	Project Management in Biomedical	English	Spring	5.0
BIOM H4002	Project Management in Biomedical Design 1	English	Fall	5.0
BIOM H4007	Project Management in Biomedical Design 2	English	Spring	5.0
MMRD 2411	Prototyping & Model Making 1	English	Fall	5.0
RPDV 3411	Prototyping & Model Making 2	English	Spring	5.0
QMAN H2002	Quality & Manufacturing Systems	English	Fall	5.0
QURL 4111	Quality & Reliability 2	English	Fall	5.0
QURL 3111	Quality and Reliability 1	English	Spring	5.0
MECH H3014	Quality Systems	English	Spring	5.0
REFG 3001	Refrigeration & Air Conditioning	English	Spring	5.0
HVAC H3001	Refrigeration and HVAC	English	Fall	5.0

CODE	COURSE (LINK TO ITS DESCRIPTION)	TEACHING LANGUAGES	SEASONS	ECTS
ENSY 3200	Renewable and Low Energy Technologies	English	Fall	5.0
REEN H1001	Renewable Energy 1	English	Spring	5.0
MECH 9016	Renewable Energy Engineering	English	Fall	5.0
RESY H2001	Renewable Energy Systems (Wind)	English	Spring	5.0
—	Research Methods	—	Fall	5.0
RESM 1950	Research Methods (ME, Mechanical Engineering)	English	Fall	5.0
—	Routers and Switches	English	Spring	5.0
BIOM H1002	Science for Bioengineers 1	English	Fall	5.0
BIOM H1006	Science for Bioengineers 2	English	Spring	5.0
—	Semi-conductor Fabrication	English	Fall	5.0
—	Semiconductor Materials Characterisation	English	Fall	5.0
MECH H3017	Signals & Systems Analysis	English	Spring	5.0
MECH H3011	Signals and Transforms	English	Fall	5.0
CLSR H4001	Smart Technologies	English	Spring	5.0
—	Software Development 1	English	Fall	?
—	Software Development 2	English	Spring	5.0
MEC4 H4013	Software Engineering	English	Fall	5.0
CMPU2020	Software Engineering 2	English	Fall	5.0
CMPU3102	Software Testing	English	Spring	5.0
SMOD H1000	Solid Modelling 1	English	Spring	5.0
SMOD H2000	Solid Modelling 2	English	Fall	5.0
—	Solid State Electronic (circuits)	English	Spring	5.0
FACE 4111	Specialist Industrial Services	English	Fall	5.0
—	Statistical Analysis for Engineers	—	Spring	5.0
STAT 1950	Statistical Analysis for Engineers (ME, Mechanical Engineering)	English	Spring	5.0
SEXD H4000	Statistics & Experimental Design	English	Fall	5.0
MECH H2017	Statistics & Probability	English	Spring	5.0
TFFP 9007	Strategies for a Sustainable Food Industry	English	Fall	5.0
CBEH 4009	Structural Design Steel and Concrete 2	English	Spring	5.0
CBEH 3006	Structural Mechanics	English	Fall	5.0

CODE	COURSE (LINK TO ITS DESCRIPTION)	TEACHING LANGUAGES	SEASONS	ECTS
CBEH 2112	Structure Analysis 1	English	Spring	5.0
DESI 1004	Studio 101 Team Projects	English	—	5.0
BIOM H1008	Studio 1: Maker	English	Fall, Spring	10.0
ACID 2411	Studio 201 Design Process	English	Fall	5.0
AIDD 2411	Studio 202 Client Projects	English	Spring	5.0
BIOM H2010	Studio 2: Design	English	Fall, Spring	10.0
CRDS 3411	Studio 301 Interaction Design	English	Fall	5.0
APDG 4411	Studio 303 Specialisms	English	Spring	5.0
BIOM H3011	Studio 3: Group Project	English	Fall, Spring	10.0
INDG 4411	Studio 401 Ethics and Sustainability	English	Fall	5.0
BIOM H4008	Studio 4: Final Year Project	English	Fall, Spring	10.0
CBEH 4317	Sustainable Designs in Civil and Structural Engineering	English	Fall	5.0
MEC4 H4019	Sustainable Energy Systems	English	Spring	5.0
SYST H4003	System Simulation and Modelling	English	Fall	5.0
SYST 3103	Systems Integration	English	Fall	5.0
MATH H1074	Technical Mathematics 1	English	Fall	5.0
MATH H1075	Technical Mathematics 2	English	Spring	5.0
MATH H2091	Technical Mathematics 3	English	Fall	5.0
MATH H2001	Technical Mathematics 4	English	Spring	5.0
MATH H3073	Technical Mathematics 5	English	Fall	5.0
MATH H3071	Technical Mathematics 6	English	Spring	5.0
TENA H1001	Thermal Energy Analysis	English	Spring	5.0
FABR 2200	Thermal Insulation, Cladding and Fabrication Technology	English	—	5.0
BENV 1402	Thermal Performance of Buildings	English	Spring	5.0
MECH 2018	Thermodynamics	English	Spring	5.0
THER H2001	Thermodynamics 1	English	Spring	5.0
THRD H3002	Thermodynamics 2	English	Fall	5.0
THBE H3000	Thermofluids for BioEngineering	English	Spring	5.0
THMF 3111	Thermofluids II	English	Spring	5.0

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TDMT 3111	Tool Design and Metal Forming	English	Fall	5.0
TENS H1001	Traditional Energy Sources	English	Fall	5.0
TRNS H3001	Transport	English	Fall	5.0
CMPU3046	Universal Design & Assisitive Technology	English	Spring	5.0
BDSV 2101	Ventilation and Air-Conditioning Systems Design	English	Spring	5.0
CADD 1412	Virtual Modelling 1	English	—	5.0
BIOM H1012	Virtual Modelling 1 for Medical Devices	English	Spring	5.0
VTML 2411	Virtual Modelling 2	English	—	5.0
BIOM H2005	Virtual Modelling 2 for Medical Devices	English	Fall	5.0
ARCH3601	Visual Communication 5	English	Fall	5.0
HEAT 3121	Water Services Engineering	English	Fall	5.0
BDSV 2102	Water Services Engineering (Building Engineering, L7)	English	Fall	5.0
DTAI H3001	Wearable Technology and Design	English	Spring	5.0
CMPU3047	Web Development Deployment	English	Fall	5.0
—	Wireless Communications	English	Spring	5.0
—	Wireless Communications - Modulation	—	Spring	5.0
AWMP 1001	Workshop and Metrology	English	—	5.0
EENG H1016	Workshop Practice 1	English	Fall	5.0
EENG H1022	Workshop Practice 2	English	Fall	5.0
	Total			**2 542.0**