

## **Trailable Must Pass Units – from 2025/26**

*Subject to the conditions in UGAR para.76, the following is a list of Must Pass Units (MPUs) which can be trailed into the next stage where failed with agreed IMCs.*

### **Architecture BSc (Hons)**

- AR10502 History, theory and practice 1
- AR10503 Principles of structural & environmental engineering
- AR10505 Digital representation
- AR20518 History, theory and practice 2
- AR30531 History, theory and practice 3

### **Civil Engineering BEng (Hons)**

- AR10495 Architectural engineering 1
- AR10496 Design skills
- AR10497 History, theory and engineering practice
- AR10498 Engineering maths & computation 1
- AR10499 Geology, hydrology and surveying
- AR10500 Structural mechanics & materials
- AR20520 Civil engineering infrastructure 1A Hydraulics
- AR20521 Civil engineering infrastructure 1B Transportation
- AR20522 Construction processes and management
- AR20523 Soil mechanics and foundation design
- AR20524 Structural design and construction
- AR20525 Architectural engineering 2
- AR20526 Engineering maths and computation 2

### **Civil Engineering MEng (Hons)**

- AR10495 Architectural engineering 1
- AR10496 Design skills
- AR10497 History, theory and engineering practice
- AR10498 Engineering maths & computation 1
- AR10499 Geology, hydrology and surveying
- AR10500 Structural mechanics & materials
- AR20520 Civil engineering infrastructure 1A Hydraulics
- AR20521 Civil engineering infrastructure 1B Transportation
- AR20522 Construction processes and management

AR20523	Soil mechanics and foundation design
AR20524	Structural design and construction
AR20525	Architectural engineering 2
AR20526	Engineering maths and computation 2
AR32004	Year 3 joint design project
AR32003	Civil Engineering infrastructure 2
AR32002	Architectural Engineering 3
AR32005	Structural and geotechnical analysis and design
AR32009	Zero carbon design project
AR32013	MEng Structural and Arch Eng elective topics 1
AR32008	Infrastructure engineering design project
AR32012	MEng Civil engineering elective topics 1

### **Chemical Engineering BEng (Hons)**

CE10234	Chemical engineering skills, practice and design 1
CE10235	Professional portfolio 1
CE20238	Chemical engineering skills, practice and design 2
CE20239	Professional portfolio 2

### **Chemical Engineering MEng (Hons)**

CE10234	Chemical engineering skills, practice and design 1
CE10235	Professional portfolio 1
CE20238	Chemical engineering skills, practice and design 2
CE20239	Professional portfolio 2

### **Chemical Engineering with Environmental Engineering MEng (Hons)**

CE10234	Chemical engineering skills, practice and design 1
CE10235	Professional portfolio 1
CE20238	Chemical engineering skills, practice and design 2
CE20239	Professional portfolio 2

### **Electrical Engineering BEng (Hons)**

EE22006	Topics in electronic and electrical engineering
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### **Electrical Engineering MEng (Hons)**

EE22006	Topics in electronic and electrical engineering
EE32008	Electronic and electrical engineering major
EE32009	Computer engineering major
EE32011	Spacecraft navigation systems and technology major
EE32012	Satellite navigation systems
EE32013	Power engineering major
EE32014	Sustainable power systems
EE32015	Robotics and mechatronics major
EE32023	Audio and image processing
EE32024	Biomedical technology and instrumentation
EE32026	Radio-frequency electronics and wireless systems
EE32027	Microelectronic systems
EE32028	Vertically integrated project

### **Mechanical Engineering BEng (Hons)**

ME12001	Design, materials and manufacturing 1
ME12002	Engineering mathematics
ME12003	Thermofluids 1
ME12004	Mechatronics
ME12005	Solid mechanics 1
ME12006	Responsible engineering practice
ME12075	Fundamentals of solid mechanics
ME12076	Fundamentals of thermofluids
ME22008	Solid mechanics 2
ME22009	Thermofluids 2
ME22010	Control and mechatronics
ME22011	Engineering computation
ME22077	Topics in mechanical engineering

### **Mechanical Engineering MEng (Hons)**

ME12001	Design, materials and manufacturing 1
ME12002	Engineering mathematics
ME12003	Thermofluids 1
ME12004	Mechatronics
ME12005	Solid mechanics 1
ME12006	Responsible engineering practice
ME12075	Fundamentals of solid mechanics

ME12076	Fundamentals of thermofluids
ME22008	Solid mechanics 2
ME22009	Thermofluids 2
ME22010	Control and mechatronics
ME22011	Engineering computation
ME22077	Topics in mechanical engineering
ME32012	Aircraft performance and design
ME32014	Aerodynamics
ME32015	Aircraft propulsion
ME32016	Aircraft stability and control
ME32017	Aerospace structures
ME32018	Sustainable thermal and electric propulsion
ME32019	Vehicle dynamics
ME32020	Future vehicle and chassis architectures
ME32021	Human centred design
ME32022	Reverse engineering
ME32023	Product design and development
ME32024	Computer integrated manufacturing
ME32025	Advanced manufacturing technology
ME32026	Whole life value analysis for engineering design and manufacturing
ME32027	Engineering management – developing products and services in industry
ME32028	System simulation and control
ME32029	Heat transfer
ME32030	Structural mechanics
ME32088	Mechatronics design project