

Mechanical Engineering and Construction Engineering Modules for 2019/2020

Subject	Module Code	Module Name	Study Period	Level	UK Credits	ECTS	Previous knowledge/skills/background required for applicants?
Civil Engineering	KB5021	Structural Analysis	Semester 1	5	20	10	Previous knowledge of basic structures
Civil Engineering	KB5024	Structural Design	Semester 2	5	20	10	Previous attendance at KB5021 Structural Analysis or equivalent
Civil Engineering	KB5020	Engineering Geology and Geotechnics	YearLong ONLY	6	20	10	Level 4 Goetechnics
Civil Engineering	KB5025	Hydraulics and Hydrology	YearLong ONLY	5	20	10	Previous knowledge of fluid mechanics
Civil Engineering	KB6022	Geotechnical Engineering	YearLong ONLY	6	20	10	Sound knowledge of soil mechanics and engineering geology
Civil Engineering	KB6023	Structural Analysis and Building Physics	YearLong ONLY	6	20	10	Sound knowledge of structural analysis
Subject	Module Code	Module Name	Study Period	Level	UK Credits	ECTS	Previous knowledge/skills/background required for applicants?
Construction Engineering Management	KB5026	Construction Technology 1	Semester 1	5	20	10	
Construction Engineering Management	KB5029	Building Engineering	Semester 1	5	20	10	Level 4 mechanics
Construction Engineering Management	KB5022	Construction Project Management and Digital Engineering 1.	Semester 2	5	20	10	
Construction Engineering Management	KB5027	Health and Safety in Construction	Semester 2	5	20	10	

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Construction Engineering Management	KB5028	Commercial Management	Semester 2	5	20	10	
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Mechanical and Architectural Engineering	KB5004	Thermal Conditioning Systems 1	Semester 1	5	20	10	
Mechanical and Architectural Engineering	KB5010	Thermal Conditioning Systems 2	Semester 2	5	20	10	
Mechanical and Architectural Engineering	KB5011	Electrical and Lighting Systems	Semester 2	5	20	10	
Subject	Module Code	Module Name	Study Period	Level	UK Credits	ECTS	Previous knowledge/skills/background required for applicants?
Mechanical Engineering	KB5000	Engineering Management and Economics	Semester 1	5	20	10	
Mechanical Engineering	KB5002	Powertrain and Chassis Systems	Semester 1	5	20	10	
Mechanical Engineering	KB5007	Energy Systems	Semester 1	5	20	10	Level 4 energy
Mechanical Engineering	KB5005	Fluid Systems	Semester 2	5	20	10	Level 4 fluids
Mechanical Engineering	KB5006	Manufacturing Technology	Semester 2	5	20	10	
Mechanical Engineering	KB6007	Advanced Manufacturing Systems	Semester 2	6	20	10	Level 5 manufacturing
Mechanical Engineering	KB6009	Mechanical Design and Analysis	Semester 2	6	20	10	Level 5 design/mechanics

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Mechanical Engineering	KB5001	Mechanical and Structural Systems (under review)	Semester 1	5	20	10	Level 4 mechanics
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