Graduate Certificate in Engineering Science

Cognate discipline list:

Specialisation	Cognate Discipline
Biomedical Engineering	Any Engineering
Chemical Engineering	Any Engineering
Civil Engineering	Building Environment and Energy Engineering, Civil, Civil Engineering, Civil with Architecture, Geotechnical, Industrial, Industrial Eng, Manufacturing, Materials, Materials Eng, Mechanical, Mechatronic, Mining, Naval, Petroleum, Structural, Structure Engineering, Traffic, Traffic Engineering, Water Conservancy & Hydropower Eng.
Electrical Engineering	Automation and Control, Biomedical Engineering, Computer Engineering, Mechanical Engineering, Mechatronics, Renewable Engineering, Systems and Control.
Energy Systems	Automation and Control, Biomedical Engineering, Mechatronics, Renewable Engineering, Systems and Control.
Environmental Engineering	Any Engineering
Food Process Engineering	Any Engineering
Geotechnical Engineering and Engineering Geology	Any Engineering
Mechanical and Advanced Manufacturing Engineering	Any Engineering
Nuclear Engineering	Any Engineering
Photovoltaics and Solar Energy	Any Engineering, Any Science
Project Management	Any Engineering, Any Science
Renewable Energy	Any Engineering, Any Science
Robotics	Any Engineering
Space Systems Engineering	Any Engineering
Structural Engineering	Any Engineering
Sustainable Systems	Any Engineering
Systems and Control	Automation and Control, Biomedical Engineering, Computer Engineering, Mechatronics, Renewable Engineering, Systems and Control.

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Telecommunications	Automation and Control, Biomedical Engineering, Computer Engineering, Mechatronics, Systems and Control.
Transport Engineering	Any Engineering
Water Engineering- Catchments to Coasts	Any Engineering
Water, Wastewater and Water Engineering	Any Engineering

Recognition of Prior Learning

Specialisation	**Recognition of Prior Learning?**
Biomedical Engineering	Yes – for students with a Biomedical Engineering qualification
Chemical Process Engineering	Yes – for students with a qualification in Biochemical Engineering, Biopharmaceutical Engineering, Bioprocess Engineering, Chemical and Biomolecular Engineering, Chemical and Materials Engineering, Chemical Engineering, Chemical Engineering and Nanotechnology, Chemical Engineering and Technology, Chemical Process Engineering, Food Engineering, Food Process Engineering, Food Science and Engineering, Mineral Process Engineering, Mineral Processing and Extractive Metallurgy, Petrochemical Engineering, Pharmaceutical and Chemical Engineering, Pharmaceutical Engineering, Polymer Engineering, Polymer Materials Engineering, Process Engineering, Pulp and Paper Engineering
Civil Engineering	Yes – for students with a qualification in Civil Engineering, Civil Engineering with Architecture, Geotechnical Engineering
Electrical Engineering	No
Energy Systems	No
Environmental Engineering	Yes – for students with a qualification in Chemical Engineering, Civil Engineering, Civil with Architecture, Environmental Engineering, Geoinformation Systems, Industrial Chemistry, Industrial Engineering, Petroleum, Port Channel and Coastal Engineering, Spatial Information, Surveying, Water Supply and Drainage Science and Engineering.
Food Process Engineering	Yes – for students with a qualification in Biochemical Engineering, Bioengineering, Biomolecular Engineering, Bioprocessing, Biotechnology, Chemical Engineering, Food Engineering, Food Process Engineering, Food Processing, Food Science and Engineering, Food Science and Technology, Food technology.
Geotechnical Engineering and Engineering Geology	Yes – for students with a qualification in Civil Engineering, Civil with Architecture, Engineering Geology, Environmental Engineering, Geological Engineering, Geotechnical, Mining Engineering, Petroleum Engineering.

Mechanical and Advanced Manufacturing Engineering	Yes, for students with a qualification in Aerospace Engineering, Manufacturing Engineering, Mechanical Design, Manufacturing and Automation, Mechanical Engineering, Mechatronic Engineering
Nuclear Engineering	Yes – for students with a qualification in Aeronautical Engineering, Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Energy Engineering, Industrial Chemistry, Manufacturing Engineering, Material Engineering, Mechanical Engineering, Mechatronic Engineering, Mining Engineering, Naval Engineering, Nuclear Engineering, Nuclear Science/Technology, Photovoltaic Engineering, Renewable Energy, Telecommunications Engineering.
Photovoltaics and Solar Energy	Yes, for students with a qualification in Any Engineering, Computer Engineering, Computer Systems Engineering, Electrical and Telecommunication Engineering, Electrical Engineering, Electronics Engineering, Photovoltaic and Solar Energy Engineering, Power Electronics, Power Engineering, Renewable Energy, Solar Engineering, Telecommunication Engineering.
Project Management	Yes, for students with a qualification in Any Engineering discipline.
Renewable Energy	Yes, for students with a qualification in Any Engineering, Computer Engineering, Computer Systems Engineering, Electrical and Telecommunication Engineering, Electrical Engineering, Electronics Engineering, Photovoltaic and Solar Energy Engineering, Power Electronics, Power Engineering, Renewable Energy, Solar Engineering, Telecommunication Engineering.
Robotics	Yes – for students with a qualification in Control Systems Engineering, Mechanical Design, Manufacturing and Automation, Mechatronic Engineering, Robotic and Automation, Software Engineering.
Space Systems Engineering	Yes – for students with a qualification in Communications Engineering, Mechatronic Engineering, Power Systems Engineering, Telecommunications.
Structural Engineering	Yes – for students with a qualification in Aerospace Engineering, Civil Engineering, Civil with Architecture, Industrial Engineering, Manufacturing, Mechanical Engineering, Mechatronic Engineering, Mining Engineering, Naval Engineering, Structural Engineering
Sustainable Systems	No
Systems and Control	No
Telecommunications	No
Transport Engineering	Yes, for students with a qualification in Civil Engineering.

Water Engineering-Catchments to Coasts	Yes – for students with a qualification in Chemical Engineering, Civil Engineering, Civil with Architecture, Environmental Engineering, Geoinformation Systems, Industrial Chemistry, Industrial Engineering, Petroleum, Port Channel and Coastal Engineering, Spatial Information, Surveying, Water Supply and Drainage Science and Engineering.
Water, Wastewater and Water Engineering	Yes – for students with a qualification in Chemical Engineering, Civil Engineering, Civil with Architecture, Environmental Engineering, Geoinformation Systems, Industrial Chemistry, Industrial Engineering, Petroleum, Port Channel and Coastal Engineering, Spatial Information, Surveying, Water Supply and Drainage Science and Engineering.