

COASTAL ENGINEERING			
Bachelor of Engineering Systems (Honours) Coastal Engineering Specialisation		Bachelor of Engineering (Honours) in Coastal Systems Engineering	
Common Core Units	Credit Points	Common Core Units	Credit Points
ENG10759 - Processes and Philosophy of Engineering	12	ENG10759 - Processes and Philosophy of Engineering	12
Physics	12	PHY10760 - Physics and Materials	12
CHE00201 - Chemistry	12	CHE00201 - Chemistry	12
ENG10757 - Applied Mechanics	12	ENG10757 - Applied Mechanics	12
Computational Analysis	12	ENG20007 - Engineering Computations	12
ENO71001 - Engineering Modelling and Experimentation	6	ENG72001 - Engineering Modelling and Experimentation	12
ENG72005 - Engineering Modelling and Experimentation I	6		
ENG62002 - Hydraulic Engineering Fundamentals	6	ENG20006 - Fluid Mechanics	12
ENG72004 - Fluid Dynamics	6		
ENG40007 - Engineering Project Management and Professional Ethics	12	ENG40007 - Engineering Project Management and Professional Ethics	12
ENG40005 - Engineering Capstone Project	24	ENG40005 - Engineering Capstone Project	24
ENG40001 - Engineering Thesis I	12	ENG40001 - Engineering Thesis I	12
ENG40004 - Engineering Thesis II	12	ENG40004 - Engineering Thesis II	12
<i>Mathematics Pathway Option 1 (Standard Pathway)</i>		<i>Mathematics Pathway Option 1 (Standard Pathway)</i>	
MAT10001 - Foundation Mathematics	12	MAT10001 - Foundation Mathematics	12
MAT71215 - Introductory Algebra and Calculus	12	MAT10251 - Statistical Analysis	12
Calculus and Linear Algebra I	12	MAT71003 - Mathematics for Engineers and Scientists	12
<i>Mathematics Pathway Option 2 (Advanced Pathway)</i>		<i>Mathematics Pathway Option 2 (Advanced Pathway)</i>	
Calculus and Linear Algebra I	12	MAT10719 - Calculus	12
Calculus and Linear Algebra II	12	MAT10720 - Linear Algebra	12
MAT10721 - Multivariate Calculus and Differential Equations	12	MAT10251 - Statistical Analysis	12
Coastal Engineering Specialisation Units		Other Coastal Systems Engineering Units	
Introduction to GIS/Mapping	12	SUR00201 - Environmental Mapping	12
GLY62001 - Principles of Stormwater and Drainage Management	6	ENG20005 - Hydrology	12
ENG72002 - Rainfall-Runoff Modelling	6	CHE00073 - Environmental Chemistry	12
CHE00073 - Environmental Chemistry	12	GLY00201 - Earth Systems I: The Lithosphere	12
Earth Systems	12	ENV10655 - Coastlines - Diversity, Dynamics and Risks	12
Ecosystem Regeneration	12	ENG30002 - Soil Mechanics and Geology	12
ENG61004 - Construction Materials - Soils	6	AGR00215 - Water and Catchment Management	12
ENG63002 - Soil Mechanics Fundamentals	6	GLY73001 - Coastal and Fluvial Hydrodynamics	12
Aquatic Pollution and Catchment Management	12	GLY82001 - Hydrogeology	12
GLY73001 - Coastal and Fluvial Hydrodynamics	12	ENG83001 - Engineering for Resilient Catchments and Floodplains	12
GLY82001 - Hydrogeology	12	ENG83002 - Engineering in Dynamic Coastal Environments	12
ENG83001 - Engineering for Resilient Catchments and Floodplains	12	ENG30012 - Water and Wastewater Engineering	12
ENG83002 - Engineering in Dynamic Coastal Environments	12	ENG10758 - Humanitarian Engineering Project	12
ENG30012 - Water and Wastewater Engineering	12		
ENG10758 - Humanitarian Projects	12		
Elective Units		Major or Elective Units	
Elective Units	48	Units from a major, or elective units	48

No change from BE(Hons) to BEngSys

12 CP unit in BE(Hons) replaced with 2 x 6 CP units in BEngSys with similar content and

Significant change in content and learning outcomes between units in BE(Hons) and

BOLD Indicates Honours level units