

## **Addendum to the Programme Specification**

3853 MEng Ship Science

3854 MEng Ship Science / Naval Architecture

3855 MEng Ship Science / Yacht & Small Craft

3856 MEng Ship Science / Advanced Materials

3857 MEng Ship Science / Engineering Management

3858 MEng Ship Science / Naval Engineering

3860 MEng Ship Science / Semester Abroad

5411 MEng Ship Science / Offshore Engineering

8492 MEng Ship Science / Advanced Computational Engineering

8493 MEng Ship Science / International Naval Architecture

8494 MEng Ship Science / Marine Engineering and Autonomy

8495 MEng Ship Science / Ocean Energy and Offshore Engineering

8496 MEng Ship Science / Yacht and High Performance Craft

This Addendum has been produced to highlight the key changes made to the existing Programme Specification as a result of the University's response to the Covid-19 Pandemic. You should read it in conjunction with the relevant Programme Specification from the year you started your programme.

[Programme Specification for entry in 2020-21](#)

[Programme Specification for entry in 2019-20](#)

[Programme Specification for entry in 2018-19](#)

[Programme Specification for entry in 2017-18](#)

### **University level information**

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In view of COVID-19, the University has had to make changes to some elements of programme delivery for 2020-21. These changes have included the method of delivery, such as face-to-face and online, and the number of modules available.

The University aims to provide as much of a face-to-face component to your education as prevailing conditions at the time allow, combined with its new blended approach that will develop active independent and group online learning.

As the COVID-19 pandemic develops, the University's response to this and other issues may likewise need to evolve. The University will consult with student representatives as necessary and appropriate and will communicate changes to you as soon as practicable so that you have the information you need to understand how a change may impact you and what steps you need to take next. The University remains committed to supporting you as you learn.

## Programme Information

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Industrial Placement Year and Semester Abroad/International Naval Architecture will remain options within the programme but may be limited in availability due to local and international guidelines.

## Programme Structure

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Where optional modules have been specified, the following is an indicative list of available optional modules, which are subject to change each academic year. Please note that, in some instances, modules have limited spaces available.

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-1 - MEng Ship Science P1

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 1001</a>	Design and Computing	30	Yes	Full Academic Year
<a href="#">FEEG 1002</a>	Mech, Structures & Materials	30	Yes	Full Academic Year
<a href="#">FEEG 1003</a>	ThermoFluids	15	Yes	Full Academic Year
<a href="#">FEEG 1004</a>	Elec and Electronic Syst	15	Yes	Full Academic Year
<a href="#">FEEG 1010</a>	Laboratory Report	0	Yes	Full Academic Year
<a href="#">FEEG 1020</a>	Technical Essay	0	Yes	Full Academic Year
<a href="#">FEEG 1030</a>	Assessment in Design	0	Yes	Full Academic Year
<a href="#">FEEG 1040</a>	Multiple Choice Exam Eng Fund	0	Yes	Full Academic Year
<a href="#">FEEG 1050</a>	Long Answer Exam: Eng ProbSolv	0	Yes	Full Academic Year
<a href="#">FEEG 1200</a>	Induction for Engineers	0	No	Semester 1
<a href="#">MATH 1054</a>	Maths for Eng & Environment	15	Yes	Full Academic Year
<a href="#">MATH 1061</a>	Engineering Maths Workshop	0	No	Full Academic Year
<a href="#">SESS 1015</a>	Basic Naval Architecture	15	Yes	Full Academic Year
<a href="#">SESS 1200</a>	Induction for Ship Science	0	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-2 - MEng Ship Science P2

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 2005</a>	Materials and Structures	15	No	Semester 2
<a href="#">FEEG 2006</a>	Engineering Management & Law	15	No	Full Academic Year
<a href="#">MATH 2048</a>	Maths for Eng & the Enviro II	15	No	Semester 1
<a href="#">SESS 2016</a>	Ship Structural Design & Prod	15	No	Semester 2
<a href="#">SESS 2017</a>	Ship Design and Economics	15	No	Semester 2
<a href="#">SESS 2020</a>	Ship Resistance & Propulsion	15	No	Semester 1
<a href="#">SESS 2021</a>	Sys Design & Comp for Ships	15	No	Semester 1
<a href="#">SESS 2022</a>	Hydrodynamics	15	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-2 - MEng Ship Science P2

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 2005</a>	Materials and Structures	15	No	Semester 2
<a href="#">FEEG 2006</a>	Engineering Management & Law	15	No	Full Academic Year
<a href="#">MATH 2048</a>	Maths for Eng & the Enviro II	15	No	Semester 1
<a href="#">SESS 2016</a>	Ship Structural Design & Prod	15	No	Semester 2
<a href="#">SESS 2017</a>	Ship Design and Economics	15	No	Semester 2
<a href="#">SESS 2020</a>	Ship Resistance & Propulsion	15	No	Semester 1
<a href="#">SESS 2021</a>	Sys Design & Comp for Ships	15	No	Semester 1
<a href="#">SESS 2022</a>	Hydrodynamics	15	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-3 - MEng Ship Science P3

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 3003</a>	Individual Project	30	Yes	Full Academic Year
<a href="#">SESS 3022</a>	Ship Manoeuvring and Control	15	No	Semester 2
<a href="#">SESS 3023</a>	Marine Hydrodynamics	15	No	Semester 2
<a href="#">SESS 3024</a>	Marine Craft Concept Design	15	No	Semester 1
<a href="#">SESS 3025</a>	Marine Engineering	15	No	Semester 1
<a href="#">SESS 3026</a>	Marine Structures	15	No	Semester 2

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule OPTIONAL	<b>Select one Semester 1 module</b>		
<a href="#">SESG 3024</a>	Manufacturing and Materials	15	Semester 1
<a href="#">SESS 3027</a>	Yacht and High Performance Craft	15	Semester 1

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-4 - MEng Ship Science P4

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 6009</a>	Design Search & Optimisation	15	No	Semester 2
<a href="#">FEEG 6013</a>	Group Design Project	45	Yes	Full Academic Year
<a href="#">MANG 6143</a>	Project Risk Management	15	No	Semester 2
<a href="#">SESS 6074</a>	Maritime Safety: Risk, Env & Law	15	No	Full Academic Year

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule OPTIONAL	<b>Select 2 modules</b>		
<a href="#">SESS 6063</a>	Advances in Ship Resistance and Propulsion	15	Semester 1
<a href="#">SESS 6067</a>	Renewable Energy from Environmental Flows:	15	Semester 2
<a href="#">SESS 6070</a>	Offshore Engineering & Analysis	15	Semester 2
<a href="#">SESS 6072</a>	Maritime Robotics	15	Semester 1

3854 MEng Ship Science / Naval Architecture

**Programme:** MEng Ship Science

**Term:** 2020-2021 Academic Session (202021)

**Area title:** 3853-1 - MEng Ship Science P1

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 1001</a>	Design and Computing	30	Yes	Full Academic Year
<a href="#">FEEG 1002</a>	Mech, Structures & Materials	30	Yes	Full Academic Year
<a href="#">FEEG 1003</a>	ThermoFluids	15	Yes	Full Academic Year
<a href="#">FEEG 1004</a>	Elec and Electronic Syst	15	Yes	Full Academic Year
<a href="#">FEEG 1010</a>	Laboratory Report	0	Yes	Full Academic Year
<a href="#">FEEG 1020</a>	Technical Essay	0	Yes	Full Academic Year
<a href="#">FEEG 1030</a>	Assessment in Design	0	Yes	Full Academic Year
<a href="#">FEEG 1040</a>	Multiple Choice Exam Eng Fund	0	Yes	Full Academic Year
<a href="#">FEEG 1050</a>	Long Answer Exam: Eng ProbSolv	0	Yes	Full Academic Year
<a href="#">FEEG 1200</a>	Induction for Engineers	0	No	Semester 1
<a href="#">MATH 1054</a>	Maths for Eng & Environment	15	Yes	Full Academic Year
<a href="#">MATH 1061</a>	Engineering Maths Workshop	0	No	Full Academic Year
<a href="#">SESS 1015</a>	Basic Naval Architecture	15	Yes	Full Academic Year
<a href="#">SESS 1200</a>	Induction for Ship Science	0	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

**Programme:** MEng Ship Science

<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-2 - MEng Ship Science P2

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 2005</a>	Materials and Structures	15	No	Semester 2
<a href="#">FEEG 2006</a>	Engineering Management & Law	15	No	Full Academic Year
<a href="#">MATH 2048</a>	Maths for Eng & the Enviro II	15	No	Semester 1
<a href="#">SESS 2016</a>	Ship Structural Design & Prod	15	No	Semester 2
<a href="#">SESS 2017</a>	Ship Design and Economics	15	No	Semester 2
<a href="#">SESS 2020</a>	Ship Resistance & Propulsion	15	No	Semester 1
<a href="#">SESS 2021</a>	Sys Design & Comp for Ships	15	No	Semester 1
<a href="#">SESS 2022</a>	Hydrodynamics	15	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3854-3 - Naval Architecture P3

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 3003</a>	Individual Project	30	Yes	Full Academic Year
<a href="#">SESS 3022</a>	Ship Manoeuvring and Control	15	No	Semester 2
<a href="#">SESS 3023</a>	Marine Hydrodynamics	15	No	Semester 2

<a href="#">SESS 3024</a> Marine Craft Concept Design	15	No	Semester 1
<a href="#">SESS 3025</a> Marine Engineering	15	No	Semester 1
<a href="#">SESS 3026</a> Marine Structures	15	No	Semester 2

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule OPTIONAL	<b>Select one Semester 1 module</b>		
<a href="#">FEEG 3001</a>	Finite Element Analysis in Solid Mechanics	15	Semester 1
<a href="#">SESG 3024</a>	Manufacturing and Materials	15	Semester 1
<a href="#">SESS 3027</a>	Yacht and High Performance Craft	15	Semester 1

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3854-4 - Naval Architecture P4

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 6013</a>	Group Design Project	45	Yes	Full Academic Year
<a href="#">SESS 6063</a>	Advances in Ship Res & Prop	15	No	Semester 1
<a href="#">SESS 6071</a>	Marine Structures in Fluids	15	No	Semester 2
<a href="#">SESS 6074</a>	Martm Safety: Risk, Env & Law	15	No	Full Academic Year

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule OPTIONAL	<b>Select 2 modules</b>		



<a href="#">FEEG 6005</a>	Applications of CFD	15	Semester 1
<a href="#">FEEG 6009</a>	Design Search and Optimisation (DSO) - Principles, Methods,	15	Semester 2
<a href="#">SESG 6040</a>	Failure of Materials and Components	15	Semester 2
<a href="#">SESS 6067</a>	Renewable Energy from Environmental Flows:	15	Semester 2
<a href="#">SESS 6070</a>	Offshore Engineering & Analysis	15	Semester 2
<a href="#">SESS 6072</a>	Maritime Robotics	15	Semester 1

### 3855 MEng Ship Science / Yacht & Small Craft

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-1 - MEng Ship Science P1

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 1001</a>	Design and Computing	30	Yes	Full Academic Year
<a href="#">FEEG 1002</a>	Mech, Structures & Materials	30	Yes	Full Academic Year
<a href="#">FEEG 1003</a>	ThermoFluids	15	Yes	Full Academic Year
<a href="#">FEEG 1004</a>	Elec and Electronic Syst	15	Yes	Full Academic Year
<a href="#">FEEG 1010</a>	Laboratory Report	0	Yes	Full Academic Year
<a href="#">FEEG 1020</a>	Technical Essay	0	Yes	Full Academic Year
<a href="#">FEEG 1030</a>	Assessment in Design	0	Yes	Full Academic Year
<a href="#">FEEG 1040</a>	Multiple Choice Exam Eng Fund	0	Yes	Full Academic Year
<a href="#">FEEG 1050</a>	Long Answer Exam: Eng ProbSolv	0	Yes	Full Academic Year
<a href="#">FEEG 1200</a>	Induction for Engineers	0	No	Semester 1
<a href="#">MATH 1054</a>	Maths for Eng & Environment	15	Yes	Full Academic Year

<a href="#">MATH 1061</a> Engineering Maths Workshop	0	No	Full Academic Year
<a href="#">SESS 1015</a> Basic Naval Architecture	15	Yes	Full Academic Year
<a href="#">SESS 1200</a> Induction for Ship Science	0	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-2 - MEng Ship Science P2

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 2005</a>	Materials and Structures	15	No	Semester 2
<a href="#">FEEG 2006</a>	Engineering Management & Law	15	No	Full Academic Year
<a href="#">MATH 2048</a>	Maths for Eng & the Enviro II	15	No	Semester 1
<a href="#">SESS 2016</a>	Ship Structural Design & Prod	15	No	Semester 2
<a href="#">SESS 2017</a>	Ship Design and Economics	15	No	Semester 2
<a href="#">SESS 2020</a>	Ship Resistance & Propulsion	15	No	Semester 1
<a href="#">SESS 2021</a>	Sys Design & Comp for Ships	15	No	Semester 1
<a href="#">SESS 2022</a>	Hydrodynamics	15	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3855-3 - Yacht & Small Craft P3

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 3003</a>	Individual Project	30	Yes	Full Academic Year
<a href="#">SESS 3022</a>	Ship Manoeuvring and Control	15	No	Semester 2
<a href="#">SESS 3023</a>	Marine Hydrodynamics	15	No	Semester 2
<a href="#">SESS 3024</a>	Marine Craft Concept Design	15	No	Semester 1
<a href="#">SESS 3025</a>	Marine Engineering	15	No	Semester 1
<a href="#">SESS 3026</a>	Marine Structures	15	No	Semester 2
<a href="#">SESS 3027</a>	Yacht & High performance Craft	15	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3855-4 - Yacht & Small Craft P4

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 6013</a>	Group Design Project	45	Yes	Full Academic Year
<a href="#">SESS 6063</a>	Advances in Ship Res & Prop	15	No	Semester 1
<a href="#">SESS 6066</a>	Sailing Yacht/Powercraft Des	15	No	Semester 2

[SESS 6074](#) Martm Safety: Risk, Env & Law 15 No Full Academic Year

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule OPTIONAL	<b>Select 2 modules</b>		
<a href="#">FEEG 6005</a>	Applications of CFD	15	Semester 1
<a href="#">FEEG 6009</a>	Design Search and Optimisation (DSO) - Principles, Methods,	15	Semester 2
<a href="#">SESG 6039</a>	Composites Engineering Design and Mechanics	15	Semester 1
<a href="#">SESG 6040</a>	Failure of Materials and Components	15	Semester 2
<a href="#">SESS 6071</a>	Marine Structures in Fluids	15	Semester 2

3856 MEng Ship Science / Advanced Materials

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-1 - MEng Ship Science P1

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 1001</a>	Design and Computing	30	Yes	Full Academic Year
<a href="#">FEEG 1002</a>	Mech, Structures & Materials	30	Yes	Full Academic Year
<a href="#">FEEG 1003</a>	ThermoFluids	15	Yes	Full Academic Year
<a href="#">FEEG 1004</a>	Elec and Electronic Syst	15	Yes	Full Academic Year
<a href="#">FEEG 1010</a>	Laboratory Report	0	Yes	Full Academic Year
<a href="#">FEEG 1020</a>	Technical Essay	0	Yes	Full Academic Year

<a href="#">FEEG 1030</a>	Assessment in Design	0	Yes	Full Academic Year
<a href="#">FEEG 1040</a>	Multiple Choice Exam Eng Fund	0	Yes	Full Academic Year
<a href="#">FEEG 1050</a>	Long Answer Exam: Eng ProbSolv	0	Yes	Full Academic Year
<a href="#">FEEG 1200</a>	Induction for Engineers	0	No	Semester 1
<a href="#">MATH 1054</a>	Maths for Eng & Environment	15	Yes	Full Academic Year
<a href="#">MATH 1061</a>	Engineering Maths Workshop	0	No	Full Academic Year
<a href="#">SESS 1015</a>	Basic Naval Architecture	15	Yes	Full Academic Year
<a href="#">SESS 1200</a>	Induction for Ship Science	0	No	Semester 1

#### Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-2 - MEng Ship Science P2

#### Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 2005</a>	Materials and Structures	15	No	Semester 2
<a href="#">FEEG 2006</a>	Engineering Management & Law	15	No	Full Academic Year
<a href="#">MATH 2048</a>	Maths for Eng & the Enviro II	15	No	Semester 1
<a href="#">SESS 2016</a>	Ship Structural Design & Prod	15	No	Semester 2
<a href="#">SESS 2017</a>	Ship Design and Economics	15	No	Semester 2
<a href="#">SESS 2020</a>	Ship Resistance & Propulsion	15	No	Semester 1
<a href="#">SESS 2021</a>	Sys Design & Comp for Ships	15	No	Semester 1

<a href="#">SESS 2022</a> Hydrodynamics	15	No	Semester 1
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Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3856-3 - Advanced Materials P3

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 3003</a>	Individual Project	30	Yes	Full Academic Year
<a href="#">SESG 3024</a>	Manufacturing and Materials	15	No	Semester 1
<a href="#">SESS 3022</a>	Ship Manoeuvring and Control	15	No	Semester 2
<a href="#">SESS 3023</a>	Marine Hydrodynamics	15	No	Semester 2
<a href="#">SESS 3024</a>	Marine Craft Concept Design	15	No	Semester 1
<a href="#">SESS 3025</a>	Marine Engineering	15	No	Semester 1
<a href="#">SESS 3026</a>	Marine Structures	15	No	Semester 2

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3856-4 - Advanced Materials P4

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 6013</a>	Group Design Project	45	Yes	Full Academic Year
<a href="#">SESG 6040</a>	Failure of Mtrls and Comps	15	No	Semester 2
<a href="#">SESG 6042</a>	Materials for Transport Appl	15	No	Semester 1
<a href="#">SESS 6071</a>	Marine Structures in Fluids	15	No	Semester 2
<a href="#">SESS 6074</a>	Martm Safety: Risk, Env & Law	15	No	Full Academic Year

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule OPTIONAL	<b>Select 1 module</b>		
<a href="#">SESG 6034</a>	Surface Engineering	15	Semester 1
<a href="#">SESG 6039</a>	Composites Engineering Design and Mechanics	15	Semester 1
<a href="#">SESG 6044</a>	Microstructural and Surface Characterisation	15	Full Academic Year

3857 MEng Ship Science / Engineering Management

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-1 - MEng Ship Science P1

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 1001</a>	Design and Computing	30	Yes	Full Academic Year

<a href="#">FEEG 1002</a>	Mech, Structures & Materials	30	Yes	Full Academic Year
<a href="#">FEEG 1003</a>	ThermoFluids	15	Yes	Full Academic Year
<a href="#">FEEG 1004</a>	Elec and Electronic Syst	15	Yes	Full Academic Year
<a href="#">FEEG 1010</a>	Laboratory Report	0	Yes	Full Academic Year
<a href="#">FEEG 1020</a>	Technical Essay	0	Yes	Full Academic Year
<a href="#">FEEG 1030</a>	Assessment in Design	0	Yes	Full Academic Year
<a href="#">FEEG 1040</a>	Multiple Choice Exam Eng Fund	0	Yes	Full Academic Year
<a href="#">FEEG 1050</a>	Long Answer Exam: Eng ProbSolv	0	Yes	Full Academic Year
<a href="#">FEEG 1200</a>	Induction for Engineers	0	No	Semester 1
<a href="#">MATH 1054</a>	Maths for Eng & Environment	15	Yes	Full Academic Year
<a href="#">MATH 1061</a>	Engineering Maths Workshop	0	No	Full Academic Year
<a href="#">SESS 1015</a>	Basic Naval Architecture	15	Yes	Full Academic Year
<a href="#">SESS 1200</a>	Induction for Ship Science	0	No	Semester 1

#### Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-2 - MEng Ship Science P2

#### Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 2005</a>	Materials and Structures	15	No	Semester 2
<a href="#">FEEG 2006</a>	Engineering Management & Law	15	No	Full Academic Year



<a href="#">MATH 2048</a>	Maths for Eng & the Enviro II	15	No	Semester 1
<a href="#">SESS 2016</a>	Ship Structural Design & Prod	15	No	Semester 2
<a href="#">SESS 2017</a>	Ship Design and Economics	15	No	Semester 2
<a href="#">SESS 2020</a>	Ship Resistance & Propulsion	15	No	Semester 1
<a href="#">SESS 2021</a>	Sys Design & Comp for Ships	15	No	Semester 1
<a href="#">SESS 2022</a>	Hydrodynamics	15	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3857-3 - Engineering Management P3

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 3003</a>	Individual Project	30	Yes	Full Academic Year
<a href="#">MANG 3048</a>	Man Science For Engineers	15	No	Semester 1
<a href="#">MANG 3049</a>	Acc Fin for Engineers	15	No	Semester 2
<a href="#">SESS 3023</a>	Marine Hydrodynamics	15	No	Semester 2
<a href="#">SESS 3024</a>	Marine Craft Concept Design	15	No	Semester 1
<a href="#">SESS 3025</a>	Marine Engineering	15	No	Semester 1
<a href="#">SESS 3026</a>	Marine Structures	15	No	Semester 2

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
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No optional modules in this Part

**Programme:** MEng Ship Science  
**Term:** 2020-2021 Academic Session (202021)  
**Area title:** 3857-4 - Engineering Management P4

**Compulsory Modules**

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 6013</a>	Group Design Project	45	Yes	Full Academic Year
<a href="#">MANG 6143</a>	Project Risk Management	15	No	Semester 2
<a href="#">SESS 6074</a>	Martm Safety: Risk, Env & Law	15	No	Full Academic Year

**Optional Modules**

You must choose from the following modules:

Module		Credit	Semester/Term
Rule OPTIONAL	<b>Select 2 modules</b>		
<a href="#">FEEG 6009</a>	Design Search and Optimisation (DSO) - Principles, Methods,	15	Semester 2
<a href="#">SESG 6040</a>	Failure of Materials and Components	15	Semester 2
<a href="#">SESS 6063</a>	Advances in Ship Resistance and Propulsion	15	Semester 1
<a href="#">SESS 6071</a>	Marine Structures in Fluids	15	Semester 2
<a href="#">SESS 6072</a>	Maritime Robotics	15	Semester 1

**3858 MEng Ship Science / Naval Engineering**

**Programme:** MEng Ship Science  
**Term:** 2020-2021 Academic Session (202021)

**Area title:** 3853-1 - MEng Ship Science P1

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 1001</a>	Design and Computing	30	Yes	Full Academic Year
<a href="#">FEEG 1002</a>	Mech, Structures & Materials	30	Yes	Full Academic Year
<a href="#">FEEG 1003</a>	ThermoFluids	15	Yes	Full Academic Year
<a href="#">FEEG 1004</a>	Elec and Electronic Syst	15	Yes	Full Academic Year
<a href="#">FEEG 1010</a>	Laboratory Report	0	Yes	Full Academic Year
<a href="#">FEEG 1020</a>	Technical Essay	0	Yes	Full Academic Year
<a href="#">FEEG 1030</a>	Assessment in Design	0	Yes	Full Academic Year
<a href="#">FEEG 1040</a>	Multiple Choice Exam Eng Fund	0	Yes	Full Academic Year
<a href="#">FEEG 1050</a>	Long Answer Exam: Eng ProbSolv	0	Yes	Full Academic Year
<a href="#">FEEG 1200</a>	Induction for Engineers	0	No	Semester 1
<a href="#">MATH 1054</a>	Maths for Eng & Environment	15	Yes	Full Academic Year
<a href="#">MATH 1061</a>	Engineering Maths Workshop	0	No	Full Academic Year
<a href="#">SESS 1015</a>	Basic Naval Architecture	15	Yes	Full Academic Year
<a href="#">SESS 1200</a>	Induction for Ship Science	0	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

**Programme:** MEng Ship Science

**Term:** 2020-2021 Academic Session (202021)

**Area title:** 3853-2 - MEng Ship Science P2

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 2005</a>	Materials and Structures	15	No	Semester 2
<a href="#">FEEG 2006</a>	Engineering Management & Law	15	No	Full Academic Year
<a href="#">MATH 2048</a>	Maths for Eng & the Enviro II	15	No	Semester 1
<a href="#">SESS 2016</a>	Ship Structural Design & Prod	15	No	Semester 2
<a href="#">SESS 2017</a>	Ship Design and Economics	15	No	Semester 2
<a href="#">SESS 2020</a>	Ship Resistance & Propulsion	15	No	Semester 1
<a href="#">SESS 2021</a>	Sys Design & Comp for Ships	15	No	Semester 1
<a href="#">SESS 2022</a>	Hydrodynamics	15	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3858-3 - Naval Engineering P3

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 3003</a>	Individual Project	30	Yes	Full Academic Year
<a href="#">SESS 3022</a>	Ship Manoeuvring and Control	15	No	Semester 2
<a href="#">SESS 3023</a>	Marine Hydrodynamics	15	No	Semester 2
<a href="#">SESS 3024</a>	Marine Craft Concept Design	15	No	Semester 1

<a href="#">SESS 3025</a> Marine Engineering	15	No	Semester 1
<a href="#">SESS 3026</a> Marine Structures	15	No	Semester 2

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule OPTIONAL	<b>Select one Semester 1 module</b>		
<a href="#">SESG 3024</a>	Manufacturing and Materials	15	Semester 1
<a href="#">SESS 3027</a>	Yacht and High Performance Craft	15	Semester 1

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3858-4 - Naval Engineering P4

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 6013</a>	Group Design Project	45	Yes	Full Academic Year
<a href="#">SESG 6035</a>	Advanced Sensors & Cond Mntrg	15	No	Semester 1
<a href="#">SESM 6034</a>	Advanced Electrical Systems	15	No	Semester 1
<a href="#">SESS 6074</a>	Martm Safety: Risk, Env & Law	15	No	Full Academic Year

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule OPTIONAL	<b>Select 2 modules</b>		
<a href="#">FEEG 6007</a>	Principles of Photovoltaics, Fuel Cells and Batteries	15	Semester 1

<a href="#">SESG 6040</a>	Failure of Materials and Components	15	Semester 2
<a href="#">SESM 6050</a>	Tribology for Future Mobility	15	Semester 2
<a href="#">SESS 6070</a>	Offshore Engineering & Analysis	15	Semester 2
<a href="#">SESS 6071</a>	Marine Structures in Fluids	15	Semester 2
<a href="#">SESS 6072</a>	Maritime Robotics	15	Semester 1

### 3860 MEng Ship Science / Semester Abroad

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-1 - MEng Ship Science P1

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 1001</a>	Design and Computing	30	Yes	Full Academic Year
<a href="#">FEEG 1002</a>	Mech, Structures & Materials	30	Yes	Full Academic Year
<a href="#">FEEG 1003</a>	ThermoFluids	15	Yes	Full Academic Year
<a href="#">FEEG 1004</a>	Elec and Electronic Syst	15	Yes	Full Academic Year
<a href="#">FEEG 1010</a>	Laboratory Report	0	Yes	Full Academic Year
<a href="#">FEEG 1020</a>	Technical Essay	0	Yes	Full Academic Year
<a href="#">FEEG 1030</a>	Assessment in Design	0	Yes	Full Academic Year
<a href="#">FEEG 1040</a>	Multiple Choice Exam Eng Fund	0	Yes	Full Academic Year
<a href="#">FEEG 1050</a>	Long Answer Exam: Eng ProbSolv	0	Yes	Full Academic Year
<a href="#">FEEG 1200</a>	Induction for Engineers	0	No	Semester 1
<a href="#">MATH 1054</a>	Maths for Eng & Environment	15	Yes	Full Academic Year
<a href="#">MATH 1061</a>	Engineering Maths Workshop	0	No	Full Academic Year

<a href="#">SESS 1015</a> Basic Naval Architecture	15	Yes	Full Academic Year
<a href="#">SESS 1200</a> Induction for Ship Science	0	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-2 - MEng Ship Science P2

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 2005</a>	Materials and Structures	15	No	Semester 2
<a href="#">FEEG 2006</a>	Engineering Management & Law	15	No	Full Academic Year
<a href="#">MATH 2048</a>	Maths for Eng & the Enviro II	15	No	Semester 1
<a href="#">SESS 2016</a>	Ship Structural Design & Prod	15	No	Semester 2
<a href="#">SESS 2017</a>	Ship Design and Economics	15	No	Semester 2
<a href="#">SESS 2020</a>	Ship Resistance & Propulsion	15	No	Semester 1
<a href="#">SESS 2021</a>	Sys Design & Comp for Ships	15	No	Semester 1
<a href="#">SESS 2022</a>	Hydrodynamics	15	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
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<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3860-3 - Semester Abroad P3

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 3003</a>	Individual Project	30	Yes	Full Academic Year
<a href="#">FEEG 3006</a>	Semester Abroad: Option 1 S2	60	No	Semester 2
<a href="#">SESS 3024</a>	Marine Craft Concept Design	15	No	Semester 1
<a href="#">SESS 3025</a>	Marine Engineering	15	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3860-4 - Semester Abroad P4

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 6013</a>	Group Design Project	45	Yes	Full Academic Year
<a href="#">SESS 6063</a>	Advances in Ship Res & Prop	15	No	Semester 1
<a href="#">SESS 6071</a>	Marine Structures in Fluids	15	No	Semester 2
<a href="#">SESS 6074</a>	Martm Safety: Risk, Env & Law	15	No	Full Academic Year

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term



Rule OPTIONAL	<b>Select 2 modules</b>		
<a href="#">FEEG 6005</a>	Applications of CFD	15	Semester 1
<a href="#">FEEG 6009</a>	Design Search and Optimisation (DSO) - Principles, Methods,	15	Semester 2
<a href="#">SESG 6040</a>	Failure of Materials and Components	15	Semester 2
<a href="#">SESS 6067</a>	Renewable Energy from Environmental Flows:	15	Semester 2
<a href="#">SESS 6070</a>	Offshore Engineering & Analysis	15	Semester 2
<a href="#">SESS 6072</a>	Maritime Robotics	15	Semester 1

#### 5411 MEng Ship Science / Offshore Engineering

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-1 - MEng Ship Science P1

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 1001</a>	Design and Computing	30	Yes	Full Academic Year
<a href="#">FEEG 1002</a>	Mech, Structures & Materials	30	Yes	Full Academic Year
<a href="#">FEEG 1003</a>	ThermoFluids	15	Yes	Full Academic Year
<a href="#">FEEG 1004</a>	Elec and Electronic Syst	15	Yes	Full Academic Year
<a href="#">FEEG 1010</a>	Laboratory Report	0	Yes	Full Academic Year
<a href="#">FEEG 1020</a>	Technical Essay	0	Yes	Full Academic Year
<a href="#">FEEG 1030</a>	Assessment in Design	0	Yes	Full Academic Year
<a href="#">FEEG 1040</a>	Multiple Choice Exam Eng Fund	0	Yes	Full Academic Year

<a href="#">FEEG 1050</a>	Long Answer Exam: Eng ProbSolv	0	Yes	Full Academic Year
<a href="#">FEEG 1200</a>	Induction for Engineers	0	No	Semester 1
<a href="#">MATH 1054</a>	Maths for Eng & Environment	15	Yes	Full Academic Year
<a href="#">MATH 1061</a>	Engineering Maths Workshop	0	No	Full Academic Year
<a href="#">SESS 1015</a>	Basic Naval Architecture	15	Yes	Full Academic Year
<a href="#">SESS 1200</a>	Induction for Ship Science	0	No	Semester 1

#### Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-2 - MEng Ship Science P2

#### Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 2005</a>	Materials and Structures	15	No	Semester 2
<a href="#">FEEG 2006</a>	Engineering Management & Law	15	No	Full Academic Year
<a href="#">MATH 2048</a>	Maths for Eng & the Enviro II	15	No	Semester 1
<a href="#">SESS 2016</a>	Ship Structural Design & Prod	15	No	Semester 2
<a href="#">SESS 2017</a>	Ship Design and Economics	15	No	Semester 2
<a href="#">SESS 2020</a>	Ship Resistance & Propulsion	15	No	Semester 1
<a href="#">SESS 2021</a>	Sys Design & Comp for Ships	15	No	Semester 1
<a href="#">SESS 2022</a>	Hydrodynamics	15	No	Semester 1

#### Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	5411-3 - Offshore Engineering P3

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 3003</a>	Individual Project	30	Yes	Full Academic Year
<a href="#">SESS 3022</a>	Ship Manoeuvring and Control	15	No	Semester 2
<a href="#">SESS 3023</a>	Marine Hydrodynamics	15	No	Semester 2
<a href="#">SESS 3024</a>	Marine Craft Concept Design	15	No	Semester 1
<a href="#">SESS 3025</a>	Marine Engineering	15	No	Semester 1
<a href="#">SESS 3026</a>	Marine Structures	15	No	Semester 2

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule OPTIONAL	<b>Select one Semester 1 module</b>		
<a href="#">FEEG 3001</a>	Finite Element Analysis in Solid Mechanics	15	Semester 1
<a href="#">SESG 3024</a>	Manufacturing and Materials	15	Semester 1

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	5411-4 - Offshore Engineering P4

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 6013</a>	Group Design Project	45	Yes	Full Academic Year
<a href="#">SESS 6070</a>	Offshore Engineering Analysis	15	No	Semester 2
<a href="#">SESS 6071</a>	Marine Structures in Fluids	15	No	Semester 2
<a href="#">SESS 6072</a>	Maritime Robotics	15	No	Semester 1
<a href="#">SESS 6074</a>	Martm Safety: Risk, Env & Law	15	No	Full Academic Year

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule OPTIONAL	<b>Select one module</b>		
<a href="#">FEEG 6005</a>	Applications of CFD	15	Semester 1
<a href="#">FEEG 6009</a>	Design Search and Optimisation (DSO) - Principles, Methods,	15	Semester 2
<a href="#">SESG 6040</a>	Failure of Materials and Components	15	Semester 2
<a href="#">SESS 6063</a>	Advances in Ship Resistance and Propulsion	15	Semester 1
<a href="#">SESS 6067</a>	Renewable Energy from Environmental Flows:	15	Semester 2

8492 MEng Ship Science / Advanced Computational Engineering

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-1 - MEng Ship Science P1

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 1001</a>	Design and Computing	30	Yes	Full Academic Year
<a href="#">FEEG 1002</a>	Mech, Structures & Materials	30	Yes	Full Academic Year
<a href="#">FEEG 1003</a>	ThermoFluids	15	Yes	Full Academic Year
<a href="#">FEEG 1004</a>	Elec and Electronic Syst	15	Yes	Full Academic Year
<a href="#">FEEG 1010</a>	Laboratory Report	0	Yes	Full Academic Year
<a href="#">FEEG 1020</a>	Technical Essay	0	Yes	Full Academic Year
<a href="#">FEEG 1030</a>	Assessment in Design	0	Yes	Full Academic Year
<a href="#">FEEG 1040</a>	Multiple Choice Exam Eng Fund	0	Yes	Full Academic Year
<a href="#">FEEG 1050</a>	Long Answer Exam: Eng ProbSolv	0	Yes	Full Academic Year
<a href="#">FEEG 1200</a>	Induction for Engineers	0	No	Semester 1
<a href="#">MATH 1054</a>	Maths for Eng & Environment	15	Yes	Full Academic Year
<a href="#">MATH 1061</a>	Engineering Maths Workshop	0	No	Full Academic Year
<a href="#">SESS 1015</a>	Basic Naval Architecture	15	Yes	Full Academic Year
<a href="#">SESS 1200</a>	Induction for Ship Science	0	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-2 - MEng Ship Science P2

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 2005</a>	Materials and Structures	15	No	Semester 2

<a href="#">FEEG 2006</a>	Engineering Management & Law	15	No	Full Academic Year
<a href="#">MATH 2048</a>	Maths for Eng & the Enviro II	15	No	Semester 1
<a href="#">SESS 2016</a>	Ship Structural Design & Prod	15	No	Semester 2
<a href="#">SESS 2017</a>	Ship Design and Economics	15	No	Semester 2
<a href="#">SESS 2020</a>	Ship Resistance & Propulsion	15	No	Semester 1
<a href="#">SESS 2021</a>	Sys Design & Comp for Ships	15	No	Semester 1
<a href="#">SESS 2022</a>	Hydrodynamics	15	No	Semester 1

#### Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	MEng Ship Sci/Adv Comput Yr 3

#### Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 3001</a>	Finite Elem Anlys Solid Mech	15	No	Semester 1
<a href="#">FEEG 3003</a>	Individual Project	30	Yes	Full Academic Year
<a href="#">MATH 3082</a>	Optimisation	15	No	Semester 2
<a href="#">SESS 3023</a>	Marine Hydrodynamics	15	No	Semester 2
<a href="#">SESS 3024</a>	Marine Craft Concept Design	15	No	Semester 1
<a href="#">SESS 3025</a>	Marine Engineering	15	No	Semester 1
<a href="#">SESS 3026</a>	Marine Structures	15	No	Semester 2

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	MEng Ship Sci/Adv Comput Yr 4

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 6005</a>	Applications of CFD	15	No	Semester 1
<a href="#">FEEG 6009</a>	Design Search & Optimisation	15	No	Semester 2
<a href="#">FEEG 6013</a>	Group Design Project	45	Yes	Full Academic Year
<a href="#">SESS 6070</a>	Offshore Engineering Analysis	15	No	Semester 2
<a href="#">SESS 6074</a>	Martm Safety: Risk, Env & Law	15	No	Full Academic Year

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule OPTIONAL	<b>Select 1 module</b>		
<a href="#">FEEG 6010</a>	Advanced Finite Element Analysis	15	Semester 2
<a href="#">SESS 6067</a>	Renewable Energy from Environmental Flows:	15	Semester 2
<a href="#">SESS 6071</a>	Marine Structures in Fluids	15	Semester 2
<a href="#">SESS 6072</a>	Maritime Robotics	15	Semester 1

## 8493 MEng Ship Science / International Naval Architecture

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-1 - MEng Ship Science P1

### Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 1001</a>	Design and Computing	30	Yes	Full Academic Year
<a href="#">FEEG 1002</a>	Mech, Structures & Materials	30	Yes	Full Academic Year
<a href="#">FEEG 1003</a>	ThermoFluids	15	Yes	Full Academic Year
<a href="#">FEEG 1004</a>	Elec and Electronic Syst	15	Yes	Full Academic Year
<a href="#">FEEG 1010</a>	Laboratory Report	0	Yes	Full Academic Year
<a href="#">FEEG 1020</a>	Technical Essay	0	Yes	Full Academic Year
<a href="#">FEEG 1030</a>	Assessment in Design	0	Yes	Full Academic Year
<a href="#">FEEG 1040</a>	Multiple Choice Exam Eng Fund	0	Yes	Full Academic Year
<a href="#">FEEG 1050</a>	Long Answer Exam: Eng ProbSolv	0	Yes	Full Academic Year
<a href="#">FEEG 1200</a>	Induction for Engineers	0	No	Semester 1
<a href="#">MATH 1054</a>	Maths for Eng & Environment	15	Yes	Full Academic Year
<a href="#">MATH 1061</a>	Engineering Maths Workshop	0	No	Full Academic Year
<a href="#">SESS 1015</a>	Basic Naval Architecture	15	Yes	Full Academic Year
<a href="#">SESS 1200</a>	Induction for Ship Science	0	No	Semester 1

### Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
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<b>Programme:</b>	MEng Ship Science
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<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-2 - MEng Ship Science P2

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 2005</a>	Materials and Structures	15	No	Semester 2
<a href="#">FEEG 2006</a>	Engineering Management & Law	15	No	Full Academic Year
<a href="#">MATH 2048</a>	Maths for Eng & the Enviro II	15	No	Semester 1
<a href="#">SESS 2016</a>	Ship Structural Design & Prod	15	No	Semester 2
<a href="#">SESS 2017</a>	Ship Design and Economics	15	No	Semester 2
<a href="#">SESS 2020</a>	Ship Resistance & Propulsion	15	No	Semester 1
<a href="#">SESS 2021</a>	Sys Design & Comp for Ships	15	No	Semester 1
<a href="#">SESS 2022</a>	Hydrodynamics	15	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
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No optional modules in this Part

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	MEng Ship Sci/Naval Arch Yr 3

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 3003</a>	Individual Project	30	Yes	Full Academic Year
<a href="#">FEEG 3006</a>	Semester Abroad: Option 1 S2	60	No	Semester 2
<a href="#">SESS 3024</a>	Marine Craft Concept Design	15	No	Semester 1
<a href="#">SESS 3025</a>	Marine Engineering	15	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	MEng Ship Sci/Naval Arch Yr 4

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 6013</a>	Group Design Project	45	Yes	Full Academic Year
<a href="#">SESS 6063</a>	Advances in Ship Res & Prop	15	No	Semester 1
<a href="#">SESS 6071</a>	Marine Structures in Fluids	15	No	Semester 2
<a href="#">SESS 6074</a>	Martm Safety: Risk, Env & Law	15	No	Full Academic Year

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule 1	<b>Optional Modules</b>  <b>Select 15 credits from the following</b>		
Rule SEMESTER 1	<b>Semester 1</b>  <b>Select 15 credits from the following:</b>		
<a href="#">SESG 6039</a>	Composites Engineering Design and Mechanics	15	Semester 1
<a href="#">SESS 6072</a>	Maritime Robotics	15	Semester 1

Rule SEMESTER 2	<b>Semester 2</b> <b>Select 15 credits from the following</b>		
<a href="#">FEEG 6009</a>	Design Search and Optimisation (DSO) - Principles, Methods,	15	Semester 2
<a href="#">SESG 6040</a>	Failure of Materials and Components	15	Semester 2
<a href="#">SESS 6067</a>	Renewable Energy from Environmental Flows:	15	Semester 2
<a href="#">SESS 6070</a>	Offshore Engineering & Analysis	15	Semester 2

#### 8494 MEng Ship Science / Marine Engineering and Autonomy

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-1 - MEng Ship Science P1

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 1001</a>	Design and Computing	30	Yes	Full Academic Year
<a href="#">FEEG 1002</a>	Mech, Structures & Materials	30	Yes	Full Academic Year
<a href="#">FEEG 1003</a>	ThermoFluids	15	Yes	Full Academic Year
<a href="#">FEEG 1004</a>	Elec and Electronic Syst	15	Yes	Full Academic Year
<a href="#">FEEG 1010</a>	Laboratory Report	0	Yes	Full Academic Year
<a href="#">FEEG 1020</a>	Technical Essay	0	Yes	Full Academic Year
<a href="#">FEEG 1030</a>	Assessment in Design	0	Yes	Full Academic Year
<a href="#">FEEG 1040</a>	Multiple Choice Exam Eng Fund	0	Yes	Full Academic Year

<a href="#">FEEG 1050</a>	Long Answer Exam: Eng ProbSolv	0	Yes	Full Academic Year
<a href="#">FEEG 1200</a>	Induction for Engineers	0	No	Semester 1
<a href="#">MATH 1054</a>	Maths for Eng & Environment	15	Yes	Full Academic Year
<a href="#">MATH 1061</a>	Engineering Maths Workshop	0	No	Full Academic Year
<a href="#">SESS 1015</a>	Basic Naval Architecture	15	Yes	Full Academic Year
<a href="#">SESS 1200</a>	Induction for Ship Science	0	No	Semester 1

#### Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-2 - MEng Ship Science P2

#### Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 2005</a>	Materials and Structures	15	No	Semester 2
<a href="#">FEEG 2006</a>	Engineering Management & Law	15	No	Full Academic Year
<a href="#">MATH 2048</a>	Maths for Eng & the Enviro II	15	No	Semester 1
<a href="#">SESS 2016</a>	Ship Structural Design & Prod	15	No	Semester 2
<a href="#">SESS 2017</a>	Ship Design and Economics	15	No	Semester 2
<a href="#">SESS 2020</a>	Ship Resistance & Propulsion	15	No	Semester 1
<a href="#">SESS 2021</a>	Sys Design & Comp for Ships	15	No	Semester 1
<a href="#">SESS 2022</a>	Hydrodynamics	15	No	Semester 1

#### Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	MEng Ship Sci/Marine Eng Yr 3

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 3003</a>	Individual Project	30	Yes	Full Academic Year
<a href="#">SESM 3030</a>	Control and Instrumentation	15	No	Semester 1
<a href="#">SESS 3022</a>	Ship Manoeuvring and Control	15	No	Semester 2
<a href="#">SESS 3023</a>	Marine Hydrodynamics	15	No	Semester 2
<a href="#">SESS 3024</a>	Marine Craft Concept Design	15	No	Semester 1
<a href="#">SESS 3025</a>	Marine Engineering	15	No	Semester 1
<a href="#">SESS 3026</a>	Marine Structures	15	No	Semester 2

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	MEng Ship Sci/Marine Eng Yr 4

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
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<a href="#">FEEG 6013</a> Group Design Project	45	Yes	Full Academic Year
<a href="#">SESG 6035</a> Advanced Sensors & Cond Mntrg	15	No	Semester 1
<a href="#">SESM 6034</a> Advanced Electrical Systems	15	No	Semester 1
<a href="#">SESS 6074</a> Martm Safety: Risk, Env & Law	15	No	Full Academic Year

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule OPTIONAL	<b>Select 2 modules</b>		
Rule SEMESTER 1	<b>Select 1 Semester 1 module</b>		
<a href="#">FEEG 6007</a>	Principles of Photovoltaics, Fuel Cells and Batteries	15	Semester 1
<a href="#">SESS 6072</a>	Maritime Robotics	15	Semester 1
Rule SEMESTER 2	<b>Select 1 Semester 2 module</b>		
<a href="#">SESG 6040</a>	Failure of Materials and Components	15	Semester 2
<a href="#">SESM 6050</a>	Tribology for Future Mobility	15	Semester 2
<a href="#">SESS 6067</a>	Renewable Energy from Environmental Flows:	15	Semester 2
<a href="#">SESS 6070</a>	Offshore Engineering & Analysis	15	Semester 2
<a href="#">SESS 6071</a>	Marine Structures in Fluids	15	Semester 2

8495 MEng Ship Science / Ocean Energy and Offshore Engineering

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-1 - MEng Ship Science P1

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 1001</a>	Design and Computing	30	Yes	Full Academic Year
<a href="#">FEEG 1002</a>	Mech, Structures & Materials	30	Yes	Full Academic Year
<a href="#">FEEG 1003</a>	ThermoFluids	15	Yes	Full Academic Year
<a href="#">FEEG 1004</a>	Elec and Electronic Syst	15	Yes	Full Academic Year
<a href="#">FEEG 1010</a>	Laboratory Report	0	Yes	Full Academic Year
<a href="#">FEEG 1020</a>	Technical Essay	0	Yes	Full Academic Year
<a href="#">FEEG 1030</a>	Assessment in Design	0	Yes	Full Academic Year
<a href="#">FEEG 1040</a>	Multiple Choice Exam Eng Fund	0	Yes	Full Academic Year
<a href="#">FEEG 1050</a>	Long Answer Exam: Eng ProbSolv	0	Yes	Full Academic Year
<a href="#">FEEG 1200</a>	Induction for Engineers	0	No	Semester 1
<a href="#">MATH 1054</a>	Maths for Eng & Environment	15	Yes	Full Academic Year
<a href="#">MATH 1061</a>	Engineering Maths Workshop	0	No	Full Academic Year
<a href="#">SESS 1015</a>	Basic Naval Architecture	15	Yes	Full Academic Year
<a href="#">SESS 1200</a>	Induction for Ship Science	0	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)

**Area title:** 3853-2 - MEng Ship Science P2

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 2005</a>	Materials and Structures	15	No	Semester 2
<a href="#">FEEG 2006</a>	Engineering Management & Law	15	No	Full Academic Year
<a href="#">MATH 2048</a>	Maths for Eng & the Enviro II	15	No	Semester 1
<a href="#">SESS 2016</a>	Ship Structural Design & Prod	15	No	Semester 2
<a href="#">SESS 2017</a>	Ship Design and Economics	15	No	Semester 2
<a href="#">SESS 2020</a>	Ship Resistance & Propulsion	15	No	Semester 1
<a href="#">SESS 2021</a>	Sys Design & Comp for Ships	15	No	Semester 1
<a href="#">SESS 2022</a>	Hydrodynamics	15	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

**Programme:** MEng Ship Science

**Term:** 2020-2021 Academic Session (202021)

**Area title:** MEng Ship Sci/Ocean Engy Yr 3

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 3003</a>	Individual Project	30	Yes	Full Academic Year
<a href="#">SESG 3024</a>	Manufacturing and Materials	15	No	Semester 1
<a href="#">SESS 3022</a>	Ship Manoeuvring and Control	15	No	Semester 2
<a href="#">SESS 3023</a>	Marine Hydrodynamics	15	No	Semester 2



<a href="#">SESS 3024</a> Marine Craft Concept Design	15	No	Semester 1
<a href="#">SESS 3025</a> Marine Engineering	15	No	Semester 1
<a href="#">SESS 3026</a> Marine Structures	15	No	Semester 2

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Par		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	MEng Ship Sci/Ocean Engy Yr 4

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 6013</a>	Group Design Project	45	Yes	Full Academic Year
<a href="#">SESS 6067</a>	Renewable Energy from Env Flow	15	No	Semester 2
<a href="#">SESS 6070</a>	Offshore Engineering Analysis	15	No	Semester 2
<a href="#">SESS 6072</a>	Maritime Robotics	15	No	Semester 1
<a href="#">SESS 6074</a>	Martm Safety: Risk, Env & Law	15	No	Full Academic Year

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule OPTIONAL	<b>Select 1 module</b>		
<a href="#">FEEG 6005</a>	Applications of CFD	15	Semester 1
<a href="#">FEEG 6009</a>	Design Search and Optimisation (DSO) - Principles, Methods,	15	Semester 2

<a href="#">SESG 6040</a>	Failure of Materials and Components	15	Semester 2
<a href="#">SESS 6071</a>	Marine Structures in Fluids	15	Semester 2

## 8496 MEng Ship Science / Yacht and High Performance Craft

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-1 - MEng Ship Science P1

### Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 1001</a>	Design and Computing	30	Yes	Full Academic Year
<a href="#">FEEG 1002</a>	Mech, Structures & Materials	30	Yes	Full Academic Year
<a href="#">FEEG 1003</a>	ThermoFluids	15	Yes	Full Academic Year
<a href="#">FEEG 1004</a>	Elec and Electronic Syst	15	Yes	Full Academic Year
<a href="#">FEEG 1010</a>	Laboratory Report	0	Yes	Full Academic Year
<a href="#">FEEG 1020</a>	Technical Essay	0	Yes	Full Academic Year
<a href="#">FEEG 1030</a>	Assessment in Design	0	Yes	Full Academic Year
<a href="#">FEEG 1040</a>	Multiple Choice Exam Eng Fund	0	Yes	Full Academic Year
<a href="#">FEEG 1050</a>	Long Answer Exam: Eng ProbSolv	0	Yes	Full Academic Year
<a href="#">FEEG 1200</a>	Induction for Engineers	0	No	Semester 1
<a href="#">MATH 1054</a>	Maths for Eng & Environment	15	Yes	Full Academic Year
<a href="#">MATH 1061</a>	Engineering Maths Workshop	0	No	Full Academic Year
<a href="#">SESS 1015</a>	Basic Naval Architecture	15	Yes	Full Academic Year
<a href="#">SESS 1200</a>	Induction for Ship Science	0	No	Semester 1

### Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3853-2 - MEng Ship Science P2

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 2005</a>	Materials and Structures	15	No	Semester 2
<a href="#">FEEG 2006</a>	Engineering Management & Law	15	No	Full Academic Year
<a href="#">MATH 2048</a>	Maths for Eng & the Enviro II	15	No	Semester 1
<a href="#">SESS 2016</a>	Ship Structural Design & Prod	15	No	Semester 2
<a href="#">SESS 2017</a>	Ship Design and Economics	15	No	Semester 2
<a href="#">SESS 2020</a>	Ship Resistance & Propulsion	15	No	Semester 1
<a href="#">SESS 2021</a>	Sys Design & Comp for Ships	15	No	Semester 1
<a href="#">SESS 2022</a>	Hydrodynamics	15	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	MEng Ship Sci/Yacht Perf Yr 3

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 3003</a>	Individual Project	30	Yes	Full Academic Year
<a href="#">SESS 3022</a>	Ship Manoeuvring and Control	15	No	Semester 2
<a href="#">SESS 3023</a>	Marine Hydrodynamics	15	No	Semester 2
<a href="#">SESS 3024</a>	Marine Craft Concept Design	15	No	Semester 1
<a href="#">SESS 3025</a>	Marine Engineering	15	No	Semester 1
<a href="#">SESS 3026</a>	Marine Structures	15	No	Semester 2
<a href="#">SESS 3027</a>	Yacht & High performance Craft	15	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

<b>Programme:</b>	MEng Ship Science
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	MEng Ship Sci/Yacht Perf Yr 4

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 6013</a>	Group Design Project	45	Yes	Full Academic Year
<a href="#">SESG 6039</a>	Composites Eng Design & Mech	15	No	Semester 1
<a href="#">SESS 6063</a>	Advances in Ship Res & Prop	15	No	Semester 1
<a href="#">SESS 6066</a>	Sailing Yacht/Powercraft Des	15	No	Semester 2
<a href="#">SESS 6074</a>	Martm Safety: Risk, Env & Law	15	No	Full Academic Year

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term

Rule OPTIONAL	<b>Select 1 module</b>		
<a href="#">FEEG 6005</a>	Applications of CFD	15	Semester 1
<a href="#">FEEG 6009</a>	Design Search and Optimisation (DSO) - Principles, Methods,	15	Semester 2
<a href="#">SESG 6040</a>	Failure of Materials and Components	15	Semester 2
<a href="#">SESS 6067</a>	Renewable Energy from Environmental Flows:	15	Semester 2
<a href="#">SESS 6071</a>	Marine Structures in Fluids	15	Semester 2