

# Addendum to the Programme Specification

## 3810 BEng Aeronautics and Astronautics

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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We are planning to deliver the Programme content as per the Programme Specification, but please be aware that:

(1) While laboratory-based work is a high priority, it is dependent on individual laboratory areas and equipment being approved for use following University Risk Assessment procedures. If laboratory exercises are not possible physically, they will be replaced with virtual laboratories to meet the module and programme learning outcomes.

(2) Workshop training (Part I) is planned, but may not be possible depending on University Risk Assessments and the availability of the external course.

(3) The flight test course (Part II) has been scheduled as normal, but may have to be replaced with a 'ground school' exercise.

## 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>	BEng Aero & Astro - 3810
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3810-1 - BEng Aero & Astro 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="#">SESA 1015</a>	Aeronautics and Astronautics	15	Yes	Full Academic Year
<a href="#">SESA 1200</a>	Induction for Aero & Astro	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>	BEng Aero & Astro - 3810
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3810-2 - BEng Aero & Astro P2

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">FEEG 2001</a>	Systems Design and Computing	15	No	Full Academic Year
<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="#">SESA 2022</a>	Aerodynamics	15	No	Semester 1
<a href="#">SESA 2023</a>	Propulsion	15	No	Semester 2
<a href="#">SESA 2024</a>	Astronautics	15	No	Semester 1
<a href="#">SESA 2025</a>	Mechanics of Flight	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>	BEng Aero & Astro - 3810
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	3810-3 - BEng Aero & Astro 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="#">SESA 3026</a> Aircraft Structural Design	15	No	Semester 2
<a href="#">SESA 3029</a> Aerothermodynamics	15	No	Semester 1
<a href="#">SESA 3030</a> Aerospace Control Systems	15	No	Semester 1
<a href="#">SESA 3040</a> Intro to Aircraft Design	15	No	Semester 2

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 3001</a>	Finite Element Analysis in Solid Mechanics	15	Semester 1
<a href="#">FEEG 3004</a>	Human Factors in Engineering	15	Semester 1
<a href="#">FEEG 6005</a>	Applications of CFD	15	Semester 1
<a href="#">LANG XX15</a>	Language Module	15	<a href="#">Show Electives</a>
<a href="#">LAWS 3130</a>	Industrial Law	15	Semester 1
<a href="#">MANG 3048</a>	Management Science for Engineers	15	Semester 1
<a href="#">MATH 3081</a>	Operational Research	15	Semester 1
<a href="#">MATH 3083</a>	Advanced Partial Differential Equations	15	Semester 1
<a href="#">SESG 3024</a>	Manufacturing and Materials	15	Semester 1
<a href="#">SESM 3031</a>	Automobile Systems	15	Semester 1
Rule SEMESTER 2	<b>Select 1 Semester 2 module</b>		
<a href="#">MANG 3049</a>	Accounting and Finance for Engineers	15	Semester 2
<a href="#">MATH 3082</a>	Optimisation	15	Semester 2
<a href="#">SESA 3033</a>	Wing Aerodynamics	15	Semester 2

<a href="#">SESA 6070</a>	Experimental Methods for Aerodynamics	15	Semester 2
<a href="#">SESM 3032</a>	Heat Transfer and Applications	15	Semester 2