

Addendum to the Programme Specification

3861 MSc Aerodynamics and Computation

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](#)

University level information

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

We are planning to deliver the Programme content as per the Programme Specification, but please be aware that any laboratory-based work is dependent on individual labs 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.

Programme Structure

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.

Programme:	MSc Aerodynamics & Computat - 3861
Term:	2020-2021 Academic Session (202021)
Area title:	3861-1 - MSc Aerodynamics & Comput P1

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
FEEG 6005	Applications of CFD	15	No	Semester 1
FEEG 6012	MSc Research Project	60	Yes	Non-Standard
FEEG 6200	Induction for Engineers	0	No	Semester 1
SESA 3029	Aerothermodynamics	15	No	Semester 1
SESA 6061	Turbulence	15	No	Semester 1
SESA 6082	Computational Aerodynamics	15	No	Semester 2

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule 1	Select 4 modules		
Rule SEMESTER 1	Select 1 Semester 1 module		
FEEG 6002	Advanced Computational Methods I	15	Semester 1
MATH 6141	Numerical Methods	15	Semester 1
SESA 6067	Flow Control	15	Semester 1
SESA 6072	Race Car Aerodynamics	15	Semester 1
Rule SEMESTER 2	Select 3 Semester 2 modules		
FEEG 6004	Aeroacoustics	15	Semester 2
FEEG 6009	Design Search and Optimisation (DSO) - Principles, Methods,	15	Semester 2
SESA 3033	Wing Aerodynamics	15	Semester 2
SESA 6066	Biological Flow	15	Semester 2
SESA 6070	Experimental Methods for Aerodynamics	15	Semester 2

SESA 6074	Hypersonic & High Temperature Gas Dynamics	15	Semester 2
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Programme:	MSc Aerodynamics & Computat - 3861
Term:	2020-2021 Academic Session (202021)
Area title:	3861-2 - MSc Aerodynamics & Comput P2

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
FEEG 6012	MSc Research Project	60	Yes	Non-Standard

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		