

# Addendum to the Programme Specification

## 6074 MSc Systems Control and Signal Processing

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](#)

## 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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In light of Covid-19, there will be some changes to how some group work tasks and lab works will be organised. ECS aims to reopen the teaching laboratories and hold regular scheduled sessions in S1 2020-21, following social distancing rules and regulations. In some cases, laboratory experiments have been redesigned to be either software based or virtual. In other cases, you may be working on numerical data obtained from physical experiments. Where written examinations are unable to take place due to social distancing measures, an alternative form of assessment will be offered for 2020-21

All timetabled lectures that in a normal (i.e. face-to-face) situation could be recorded will be recorded, and will be made available to all students registered on the module. The lecturing team for each module will organise question-and-answer sessions, or discussion activities aimed at approximating as much as possible personal interaction, as it occurs during lectures or seminars.

Please consider that some optional modules might have limited space available in 2020-21, based on available laboratory space.

## Programme Structure

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The indicative list of available optional modules can be found in the programme specifications as linked on the previous page. These options are subject to change each academic year, and in some cases there may be limited spaces available on those modules.

<b>Programme:</b>	MSc Syst, Cont & Signal Proc - 6074
<b>Term:</b>	2020-2021 Academic Session (202021)
<b>Area title:</b>	6074-1 - MSc Syst, Cont & Sig Proc Pt 1

### Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">COMP 6200</a>	MSc Project	60	Yes	Non-Standard
<a href="#">COMP 6245</a>	Foundtns in Mchne Lernng (MSc)	15	No	Semester 1
<a href="#">ELEC 6218</a>	Signal Processing	15	No	Semester 1
<a href="#">ELEC 6229</a>	Adv Systems & Signal Process	15	No	Semester 2
<a href="#">ELEC 6243</a>	Control System Design (MSc)	15	No	Semester 1
<a href="#">ELEC 6259</a>	Research Methods & Proj Prep	15	No	Full Academic Year

### Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule 1	<p><b>Select 45 credits</b></p> <p>Select modules from the following. It is the expectation that you will take optional modules within one stream of your choice.</p>		
Rule 1 GROUP 1	<p><b>Computer Vision Stream</b></p> <p>You may select up to 30 CATS if you wish to follow the computer vision stream.</p>		
<a href="#">COMP 6211</a>	Biometrics	15	Semester 2
<a href="#">COMP 6223</a>	Computer Vision (MSc)	15	Semester 2
<a href="#">ELEC 6213</a>	Image Processing	15	Semester 2

Rule 1 GROUP 2	<b>Control System Stream</b>  <b>You may select up to 30 CATS if you wish to follow the control systems stream.</b>		
<a href="#">ELEC 6212</a>	Biologically Inspired Robotics	15	Semester 2
<a href="#">ELEC 6228</a>	Applied Control Systems	15	Semester 2
<a href="#">ELEC 6240</a>	Digital Control System Design (MSc)	15	Semester 2
Rule 1 GROUP 3	<b>Machine Learning Stream</b>  <b>You may select up to 30 CATS if you wish to follow the machine learning stream.</b>		
<a href="#">COMP 6208</a>	Advanced Machine Learning	15	Semester 2
<a href="#">COMP 6212</a>	Computational Finance	15	Semester 2
<a href="#">COMP 6247</a>	Reinforcement and Online Learning	15	Semester 2
<a href="#">COMP 6248</a>	Deep Learning	15	Semester 2

### Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
<a href="#">COMP 6200</a>	MSc Project	60	Yes	Non-Standard