



Academic Advising Pilot Project Resource

Academic Advising Pilot Application User Guide

Project Title:	Determination of science student's academic advice needs, and the development of an advisory resource tool
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The following images are screenshots from the application created as part of the project – <https://major-pathways.ucd.ie/>

1. Opening splash page.
2. Home page displaying options.
3. **Select Major:** User must fill out LC requirements.
4. User can select from the 27 degrees.
5. **Select Modules:** User can see what a degree they are eligible for considering a selection of modules.
6. **Combination:** User can see what degree combinations they are eligible for.

Images

1. Opening splash page

The opening page presents an introduction to the tool, as well as a disclaimer on its limitations.



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Welcome to the UCD Science DN200 module and Major selection tool

It is designed to help you keep your options open through appropriate module selection, as well as to ensure that you register for the correct modules for the majors you are interested in progressing into.

The purpose of the tool is to allow you to see:

- what 'core' modules are required to allow you progress into specific majors,
- what majors a certain module selection allows you to progress into and
- which combinations of majors are feasible given you can only complete 12 modules each year

Disclaimer
This tool is **for information only** and will not enrol you to any **modules or guarantee you a place on any major programme**.

All module registration should be completed through the online registration system.

PROCEED

2. Home page displaying options.

Once you proceed from the splash page, the user is presented with 3 options to interact with.

UCD DUBLIN

UCD - Science Major Pathways

Admin Login

Select major

Select modules

Select Major Combinations

3. Select Major: User must fill out LC requirements.



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Select Major: When the user selects Major, they are asked to enter their LC (or equivalent) results in order for the required modules to update.

Leaving Cert. requirements

Some majors require either prior knowledge or the completion of a foundation level module. So please tell us about your Leaving Certificate (or equivalent).

Did you get O1, or H5, or better in Leaving Cert. Mathematics ?	<input type="radio"/> Yes
	<input type="radio"/> No
Did you get O1, or H5, or better in Leaving Cert. Chemistry ?	<input type="radio"/> Yes
	<input type="radio"/> No
Did you get O1, or H5, or better in Leaving Cert. Biology ?	<input type="radio"/> Yes
	<input type="radio"/> No
Did you get O1, or H5, or better in Leaving Cert. Physics ?	<input type="radio"/> Yes
	<input type="radio"/> No

PROCEED

4. Once the user fulfills LC request, they can choose any of the 27 degrees from the DN200 programme.



Majors

i Select one of our majors (grouped below) to see what cores, programme cores and mathematics requirements you will need for each degree pathway.
We suggest using the following student handbook for reference:

- [Handbook](#)

BBB	CCS	MPG
<ul style="list-style-type: none">> Biochemistry & Molecular Biology> Biology, Mathematics & Education (A)> Biology, Mathematics & Education (B)> Cell & Molecular Biology> Environmental Biology> Genetics> Microbiology> Neuroscience> Pharmacology	<ul style="list-style-type: none">> Chemistry> Chemistry with Biophysical Chemistry> Chemistry with Environmental & Sustainable Chemistry> Maths, Chemistry & Education> Medicinal Chemistry & Chemical Biology	<ul style="list-style-type: none">> Applied & Computational Mathematics (single major)> Applied Mathematics, Mathematics & Education> Computer Science, Mathematics & Education> Financial Mathematics> Geology> Mathematics> Physics> Physics & Mathematics & Education

5. **Select Modules:** User can see what a degree they are eligible for considering a selection of modules.

This option from the home screen will allow the user to choose a selection of modules to see what majors they are eligible for.



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Modules

i This display will show what eligible majors are possible considering a selection of modules. Choose modules from the drop-down menus on the left side using the (+) keys to see what majors a particular selection of modules allows you to progress into. Click on any of the possible majors listed to see their cores, programme cores and mathematics requirements. We suggest using the following student handbook for reference:

- [Handbook](#)

Available Modules	Your Selection	Possible majors						
<p>DN200 : Science</p> <ul style="list-style-type: none"> APPLIED & COMPUTATIONAL MATHS BIOLOGY CHEMISTRY COMPUTER SCIENCE EDUCATION FINANCIAL MATHS 	<table border="1"> <thead> <tr> <th>Name</th> <th>Credits</th> <th></th> </tr> </thead> <tbody> <tr> <td>Principles of Scientific Enquiry</td> <td>5</td> <td></td> </tr> </tbody> </table>	Name	Credits		Principles of Scientific Enquiry	5		<p>You need to select at least 35 more credits to view majors.</p>
Name	Credits							
Principles of Scientific Enquiry	5							

6. **Combination:** User can see what degree combinations they are eligible for.

This option allows the user to select a combination of degrees, and see what degrees they are eligible for considering pre-requisites and credit count.



Major Combinations

i Select a single major from the drop-down menus below to see the associated core and programme core modules. Then select a second major to see what additional cores / programme cores are needed to qualify for both majors.

Then to see 'MAJORS ALLOWED', scroll down to select programme and maths cores.

Remember – you can only complete 6 modules in a trimester, so if your number of credits goes above 30 in a trimester then this particular combination is not possible up to the end of stage 2 (and you'll need to narrow your options).

We suggest using the following student handbook for reference:

- [Handbook](#)

BBB

CCS

MPG

Selected Majors

ALL MAJORS ALLOWED WITH THIS MODULE SELECTION