

Pre Stage 2 advisory Information for Stage 1 students

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www.ucd.ie/science

https://www.ucd.ie/science/contact/askscience/



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Is all going to plan.....?

Grand if it is....

Doesn't always.... Not an issue! It can (and will) be resolved.....

We (faculty, professional support staff, me, *etc*...) are here to help you get the most out of your educational experience...., to maximise this opportunity.... and yes... to enjoy it!!

get in touch for advice

Academic advice/support via College of Science Office

Pastoral/Personal Advice via Student Advisors



Science Student Supports

Mathematics Support Centre

 Provides assistance to students for completion of the Mathematics modules

• Peer Mentors

You have each been assigned a peer mentor who is a student in Stage
 2 or 3 of the programme

www.ucd.ie/science



Science Student Supports

• Science Office (https://www.ucd.ie/askscience/)

Registration queries, programme queries, academic regulations and policies
General enquiries on academic, registration or other issues
asdean.science@ucd.ie (use your UCD email account)

The Science **Connector Form** should be used as the first port of call for contacting the office. The form not only holds a lot of key information, but the queries you submit are monitored by a team of people and will be responded to quickly: www.ucd.ie/askscience/

You can also request virtual meetings by using the Connector Form www.ucd.ie/askscience/

Appointments/Meetings Drop-ins to the office are welcome from Monday to Friday from 10am-4pm daily



Science Student Supports

Academic Staff and School Office Staff Available to discuss academic and other issues

Student Advisers

Dani (dani.foy@ucd.ie)
 Áine (aine.murphy@ucd.ie)



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Where are you now....?

Stage 1 – a quick check.....



UCD SCIENCE

UCD

Stage 1 Guide & Core Module Tables 2024/25

> Scan the QR code for the digital copy of this dcoument



STAGE

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Cores **Conditional Cores**

UCD

2024/25

SCIENCE

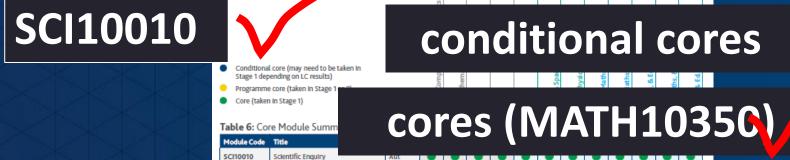
Stage 1 Guide & Core Module Tables

Programme Cores

all Stage 1 students take at least 2 "maths modules"

STAGE

MATH10340 and MATH10350 are required core modules for the Mathematics, Physics and some of the Education based degree subjects.



Biology-Cell Biology & Genetics

Mathematics: Physics:

BIOL10110

CHEM10 BIOL0001

CHEM00

Core Modules required for Stage 1

ematics, Science and Education Streams

possibly some programme cores

conditional cores

BIOL10130	Diotogy In Action	Aut									-			
BIOL10140	Life on Earth	Aut									B			
BMOL10030	Biomedical Sciences	Spr									в			
MATH00010	Introduction to Mathematics	Aut					0 0	A D	3 0					
CHEM20140	Introductory Transition Metal Chem	Spr										•		
CHEM20100	Basis of Inorganic Chemistry	Aut										•		
ACM10080	Intro to Applied & Comp Math	Aut												
ACM10060	Appl of Differential Equations	Spr	٠				•	•			C	C		
MATH10290	Linear Algebra for Science	Spr												
MATH10340	Linear Algebra (MPS)	Spr												٠
MATH10350	Calculus (MPS)	Aut	٠				٠							٠
STAT10060	Statistical Modelling	Spr												٠
MATH10040	Numbers & Functions	Aut		•	•					•			•	
MATH10320	Mathematical Analysis	Spr	•	•	•	•				•			•	•
ECON10720	Microeconomics for Business	Spr		•										
PHYC10080	Frontiers of Physics	Spr												
PHYC10050	Astronomy & Space Science	Aut					•		•					
PHYC10250	Thermal Physics and Materials	Aut					•	•	•					•
PHYC20080	Fields, Waves and Light	Spr					•	•	•					•
MATH10410	Maths & Science Education	Spr									٠	٠	٠	٠
COMP10020	Intro to Programming II	Spr											٠	
COMP10290	Computation for Scientists	Aut												
NOTES:														

EXLORE ALL STREAMS ALTERNATIVE MATH10290 MATH10310

A Students required to take MATH00010 must defer MATH10310 or

D Students who wish to pursue Physical Sciences and who are required to take MATH00010 MUST achieve at least an A- and take MATH10400 in the Summe Trimester as a substitute for MATH10350.





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UCD **SCIENCE** Stage 1 Guide & Core Module Tables 2024/25

Cores **Conditional Cores Programme Cores**

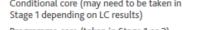
Core Modules required for Stage

Biological. Biomedical & Biomolecu Sciences Strean

SCI10010

Conditional core (may need to be taken in Stage 1 depending on LC results)

- Programme core (taken in Stage 1 or 2)
- Core (taken in Stage 1)



- Table 5: Core Module 9

possibly some programme cores

cores (MATH10310)

conditional cores

Module Code	Title	mmescer	Juca									Jucani	(Cinem		ucam
SCI10010	Scientific Enquiry	Aut														
BIOL10110	Biology-Cell Biology & Genetics	Spr														
CHEM10050	Basis of Organic & Biol Chem	Spr														
BIOL00010	Fundamentals of Biology	Aut														
CHEM00010	Introductory Chemistry	Aut														
PHYC10070	Foundations of Physics	Aut														
BIOL10130	Biology in Action	Aut	в	В	В	в	в	В	B	В	B	В				
BIOL10140	Life on Earth	Aut	в	в	в	в	в	в	В	В	В	В				
BMOL10030	Biomedical Sciences	Spr	в	в	в	в	в	в	В	в	В	В				
GEOL10060	Introduction to Earth Sciences	Aut or Spr														
GEOL10070	Understanding Earth Systems	Spr											•			
MATH00010	Introduction to Mathematics	Aut	A	۵	۵	۵	۵	۵	A	A	۵	۵	۵	A	۵	A
MATH10290	Linear Algebra for Science	Spr	C	G	0	G	G	G	G	G	G	G	G	G	G	C
MATH10310	Calculus for Science	Aut	D	D	D	D	D	D	D	D	D	O	O	D	0	D
CHEM20140	Introductory Transition Metal	Spr												•	•	•
CHEM20100	Basis of Inorganic Chemistry	Aut												•	•	•
LOTE:																

NOTES:

A Students required to take MATH00010 must defer MATH10310 or MATH10350 until Stage 2.

B Students must take at least 2 of BIOL10130, BIOL10140 or BMOL10030 in either Stage 1 or Stage 2.

C Students required to take MATH10290 can take MATH10340 instead. MATH10340 is required for all Mathematical or Physical Science degrees.

D Students required to take MATH10310 can take MATH10350 instead. MATH10350 is required for all Education, Mathematical or Physical Sciences degrees.





SCIENCE Stage 1 Guide & Core Module Tables 2024/25

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Cores **Conditional Cores Programme Cores**

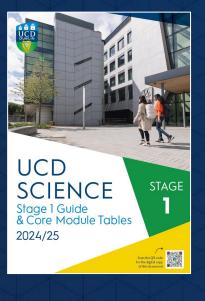
STAGE

focus more now on Spr cores (MATH10290) and programme cores + 1 elective



of Stage 2 – so can take them in Stage 1 and/or Stage 2





Cores **Conditional Cores** Programme Cores

Core Modules required for Stage 1

Biological, Biomedical & Biomolecular Sciences Stream; Earth & Environmental Sciences Stream and Chemistry

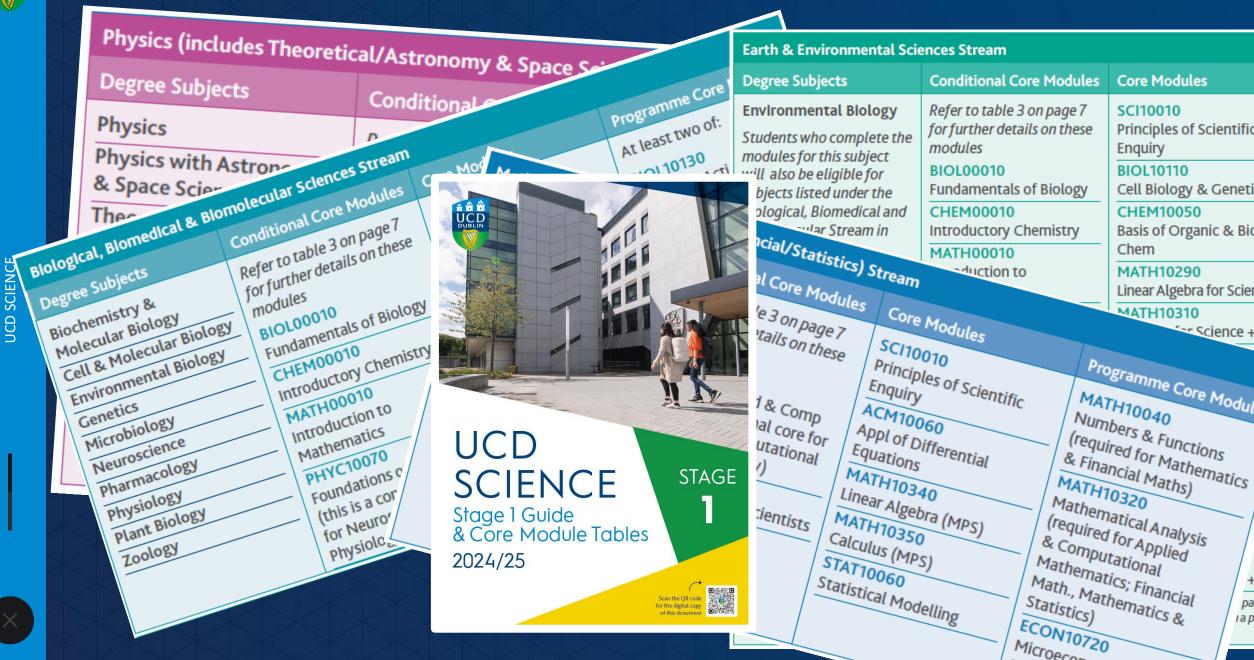
focus more now on Spr cores (MATH10290) and programme cores + 1 elective



ATH10340 is required for all Mathematical or Physical Science degrees

D Students required to take MATH10310 can take MATH10350 instead. MATH10350 is required for all Education, Mathematical or Physical Sciences degrees.

usefully – Stage 1 Guide checklist for each stream.....



Earth & Environmental Sciences

- Environmental Biology
- Earth Sciences

Biological, Biomedical & Biomolecular Sciences

- Biochemistry & Molecular Biology
- Cell & Molecular Biology
- Environmental Biology
- Genetics
- Microbiology
- Neuroscience
- Pharmacology
- Physiology
- Plant Biology
- Zoology

Science DN200

Chemistry (includes Medicinal/Sustainable)

- Chemistry
- Chemistry with Environmental & Sustainable Chemistry
- Medicinal Chemistry & Chemical Biology

Mathematics (includes Applied/Financial/Statistics)

- Applied & Computational Mathematics
- Financial Mathematics
- Mathematics
- Statistics

Physics (includes Theoretical/Astronomy & Space Science)

- Physics
- Physics with Astronomy & Space Science
- Theoretical Physics

Science, Mathematics & Education

- Biology, Mathematics & Education
- Chemistry, Mathematics & Education
- Applied Mathematics, Mathematics & Education

2024 entry

- Physics & Mathematics & Education
- Computer Science, Mathematics & Education



Progressing to Stage 2: practical aspects





Stage 1 / 2 GPA and

your selection of degree programme for Stages 3 and 4

- Three programmes are "competitive" places awarded on basis of GPA
- Neuroscience, Pharmacology, Physiology
- The GPA used is your Stage 2 GPA after TWO/both Stage 2 trimesters

Erasmus/Exchange programmes

"competitive": eligibility calculated on Stage 1 GPA and Stage 2 Trimester 1 GPA
specific requirements - UCD Global Website has details....



Progressing to Stage 2: practical aspects You must have 60 credits to complete Stage 1

It may be possible to progress to Stage2 with TWO fails (i.e. 50 credits) BUT.....

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Your Stage2 timetable MUST be able to accommodate the Stage1 modules that you are repeating (lectures/practicals/tutorials). Your repeating modules take precedence.

Maximum workload = 40 credits per trimester (including repeats and resits)

Modules you have IX grades in because of Extenuating Circumstances are not counted in this 40 credits but are, of course, additional workload.



Stage 2: your choices

In Stage 2, you will take 10 science modules & 2 electives.
 Your electives can also be science modules.

For Stage2, you **MUST** (1) Select at least 2 of the 26 subjects AND (2) If two are Pharmacology and Neuroscience, you must select a 3rd subject AND (3) If three are Pharmacology, Neuroscience and Physiology, you must select a 4th subject!



Stage 2: your choices

How many subjects can you select?

Some Stage2 students are covering 6 subjects, however a maximum of 3 is recommended due to workload requirements.

Yes! – you can combine some subjects across streams (if timetables allow it)



Decisions – When and How?

Decide on your Stage 2 subjects over the current trimester

School representatives will present shortly

View videos on degree subjects on the UCD Science YouTube Channel: https://www.youtube.com/channel/UCZSA5-BKqTHa8Tzf_EQGfuQ

Registration

you will receive an email from the College of Science Office **in June** with updates on the Stage 2 selection process. Check your emails.

Two steps:

window for Stage 2 selection of subjects— ONE week in July via SISWeb Choose options + electives in late August

Students are required to register to 50 programme credits and can choose 10 credits from electives or programme options

Further information will be available on the College of Science website. Consult this.



Other things to start to think about (and action!)....



Professional Placements in Stage 3

- Internships www.ucd.ie/science/careers/internships/students
- Counts for credit for Stage 3 or Stage 4 in some subjects
- Contact scienceinternships@ucd.ie for further information



a strong application needs time to prepare..... Internships - Process





Outbound Exchanges



Within Europe

Go on Exchange within the European Union, through the Erasmus Programme.

LEARN MORE



Outside Europe

Go on exchange to the Americas, Asia, or Oceania.

LEARN MORE



Outbound Exchanges

- https://www.ucd.ie/global/learningabroad/exchanges/
- http://www.ucd.ie/science/study/currentundergradu atesciencestudents/erasmusandnoneuexchange/
- Talk to Subject Head early in Stage 2 as requires school approval – courses may need to be designed and checked for compatibility



Erasmus and Exchange programmes

plan for this in Trimester 1 of Stage 2

e.g. this academic year ... exchange applications for 2025/26 opened on 20 November 2024 and closed on 23 January 2025.

Prior to going on exchange, College of Science students should have...

- a GPA of 3.0 or above, and
- have completed 60 credits in each of Stages 1 and 2.
- "competitive": eligibility calculated on Stage 1 GPA and Stage 2 Trimester 1 GPA
 UCD Global Website has details....

Please be aware that this is a competitive process and UCD Global may also have additional criteria to assess applications.

Information on Exchanges can be found on the UCD Science website, but all applications are dealt with by UCD Global.

https://www.ucd.ie/science/study/currentundergraduatesciencestudents/erasmusandnoneuexchange/

College of Science

	Stage 2		Stage 3		Stage 4			
Course	Semester Full Year		Semester	Full Year	Semester	Full Year		
Science	×	×			×	×		
Computer Science	×	×	~		×	×		
BSc Sustainability	×	×	S2	×	×	×		

S2 - you may go in Trimester 2 only



UCD Career Development Centre

https://www.ucd.ie/careers/

Career Consultations: One-to-One

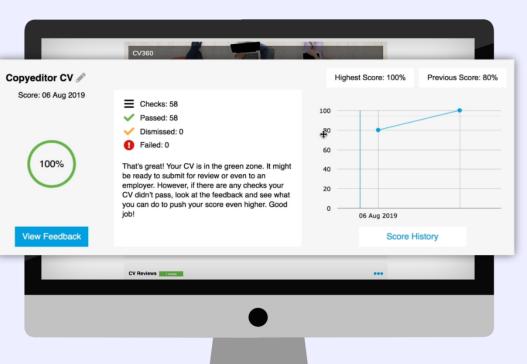


- 20 minute individual appointments
- Available every day
- Students book online the day prior to their appointment. Appointments are available Face-to-Face or online through Zoom
- Application (CV, Cover Letter) and
- Personal Statement Review
- Interview Preparation
- Discovering Career Interests
- Career Options
- Goals- Career Action Planning
- Internship preparation

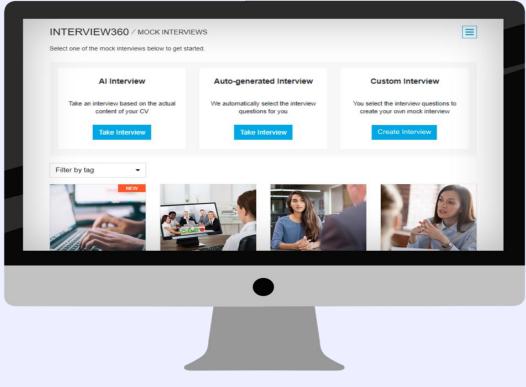
Career Development Workshops and in-module delivery

Engagement with our MyCareer online offering

CV360



Interview360





University College Dublin

Deloitte

D Ruciness, Finance

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UCD University College Dublin **Careers Network**

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UCD Science, Engineering

12-5PM

& Technology

Fair 2023

O'REILLY HALL

2nd OCTOBER

University College Dublin Careers Network

UCD INTERNSHIP FAIR 2024

TUESDAY 23rd JANUARY 2024

KPMG



Aradhna Mathur Co-curricular project officer

Have any questions? Contact me at skillsaward@ucd.ie



University College Dublin Careers Network

What is the UCD Advantage Award?

Are you engaged in co-curricular activities? Get recognition from UCD for the skills and experience you are gaining!

Whether you are part of a society or sports team, volunteer your time with a charity or have done a summer internship, UCD wants to acknowledge your contribution and development.

What's in it for me?

- UCD Advantage will help you stand out from the crowd and is a great addition to your CV
- The award will be added to your UCD Diploma Supplement
- Completing the award helps you articulate all the amazing transferable skills you have developed



Want to sign up for the Award or just want more information? Attend one of our inductions!

Book now on:

MyCareer

'I'd advise any students

who take part in

university life outside of the classroom to apply!

What you're doing may not seem important to

you, but employers

want to see who you

really are, so show them!"

UCD

dvantage

110 Science students completed the Advantage Award in 2023/24.91 completed the award in 2022/23

