



University College Dublin
Careers Network

Choosing your Career Pathway in Engineering

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Network



By the end of this session you will be able to:




Session Objectives

- Articulate what you want in a career
- Reflect on what life might look like depending on which choice you make
- Identify what research is needed to understand your career options

In pairs, discuss:

What options are you currently most interested in?



A photograph of a sunset over a field. The sun is low on the horizon, casting a warm glow. In the foreground, there is a haystack made of straw and a tall, thin pole. The sky is filled with soft, colorful clouds.

**It's likely that there are a
number of career areas
that will suit you**

You **cannot predict** what the future will bring- no matter what you choose, you may end up in a variety of different roles

All of the Engineering Disciplines have good prospects – there are **no bad paths**

However...some will lead to careers that **fit you better** than others

You are more likely to be **successful** if you choose a career that you find interesting and satisfying

**How to
make the
Decision?**



The image features a solid coral background with several teal, brushstroke-style accents scattered around the central text. These accents are thick, rounded lines of varying lengths and orientations, some curved and some straight, creating a dynamic and artistic feel.

Career Planning



UCD Careers Network



So -
**What are your criteria for
identifying a satisfying
career path?**



Things to consider...

What personality type do you have?

What technical skills or abilities do you have?

What transferable skills do you enjoy using e.g. problem solving, presentation skills?

What modules or extracurricular activities do you enjoy?

What kind of environment would you like to work in?

What energises you?

What are your work values?

What problems interest you?

**In pairs, try to articulate the most important criteria for your future career:
“I want a job that....”**



Individual Activity



**Odyssey Plans-
Researching to discover where your
next choice may lead....**



Step 1

- List whichever option/s interests you most: Biomedical, Civil, Chemical & Bioprocess, Electrical & Electronic, Mechanical, Structural Engineering w Architecture?

Step 2

- For each option of interest, complete a separate “Odyssey plan”- imagining what your life might look like in 10 years, if you follow this path

Step 3

- Pay attention to the gaps- where are you missing the information you need to complete this plan?

Odyssey Journey - Imagining Different Lives

What might your life look like over the next 10 years if you choose _____?

Complete the following with as much detail as possible. Review missing information and consider where you could get this information.

- Possible Job Title/s: _____
- Working Conditions e.g. Salary, Work Life Balance:

- Likely Day to Day activities:

- How well you think that role would fit your criteria for a satisfying job:

- On a scale of 1 to 10, how much you like this version of your life:
1 2 3 4 5 6 7 8 9 10
- On a scale of 1 to 10, how well does this life align with your work & life views:.
1 2 3 4 5 6 7 8 9 10
- Concerns or questions you have: _____

- Additional information you need to know: _____

- Where you could get the missing info e.g. websites, people you could talk to etc?:

Get started on your first
Odyssey Plan



5 Minutes

**In pairs, share your plans -
including what information you do not currently have.....**





Start with Online
Research



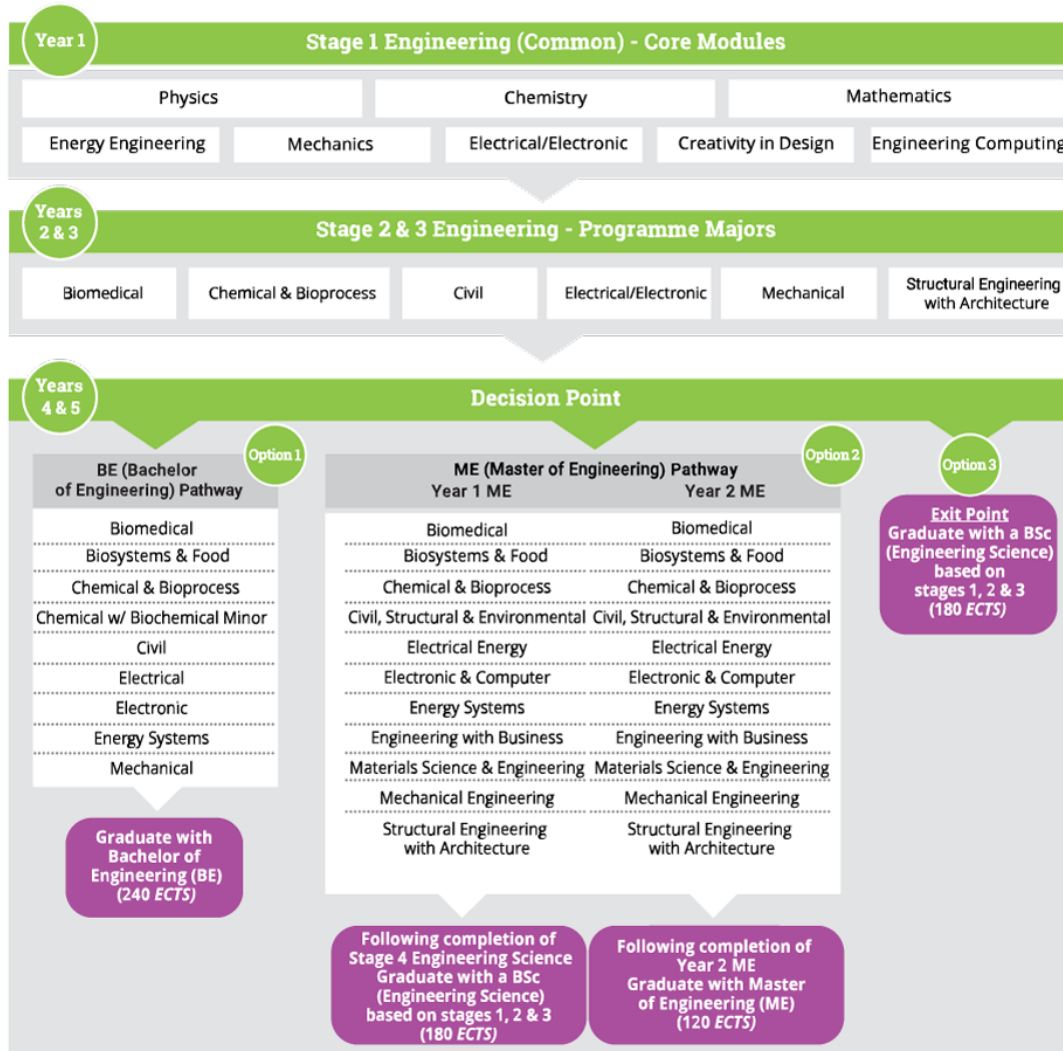
Then Start Talking
to People

Finding the missing information

Online Research



Engineering Pathways to BE / ME



Understanding the pathways within UCD



[Careers advice](#) > [Engineering](#)

Engineering

Whether your career holds space travel, or more earth-bound ambitions; engineering offers a huge choice of opportunities, specialisms and the chance to see the world. Explore employers and sector advice to find your path.

 [Search jobs](#)



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**Online Research:
Sector Overview**

Civil engineering



AGCAS editors



January, 2022

A civil engineering degree prepares you for work in the construction industry as well as in the business, management, and financial sectors

Job options

Jobs directly related to your degree include:

On this page

- ✓ Job options
- ✓ Work experience
- ✓ Typical employers
- ✓ Skills for your CV
- ✓ Further study
- ✓ What do civil engineering graduates do?

**Online Research:
Jobs Related to your Degree**



Job profile

Environmental consultant

[View all environment and agriculture vacancies >](#)

[Add to favourites](#)



On this profile

- [Responsibilities](#)
- [Salary](#)
- [Qualifications](#)
- [Skills](#)
- [Work experience](#)
- [Career prospects](#)
- [Related jobs and courses](#)

**Online Research:
Job profiles**



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Engineering X

Clear all

Start year

End year

Where they work + Add

18 | University College Dublin

11 | Pfizer

8 | Intel Corporation

8 | ESB

7 | EY

Where they live + Add

732 | Ireland

431 | Greater Dublin

376 | County Dublin, Ireland

286 | Dublin

146 | United States

Other People With Your Degree



Exercise: Go Online and Start Researching!

Research Either:

“Jobs with
my Degree”

“Job
Profiles”





In Person Research

Stage 1 Engineering Discipline Information Talks 2024/2025 - SPRING Trimester

No.	DISCIPLINE	DATE	TIME	ROOM	PROGRAMME DIRECTOR / ACADEMIC MEMBER
1	UCD Careers Network	Monday 10th February	1:00-1.50pm	HLTH B005 Health Sciences	Ms Nicola Fortune Career & Skills Consultant
2	Mechanical Engineering	Tuesday 11th February	1.00-1.50pm	SCIH 1.26 - Intel Th E Science - Hub	Assoc Prof Neal Murphy
3	Chemical & Bioprocess Engineering	Wednesday 12th February	1.00-1.50pm	AGR FS-G01 Ag & Food Science Centre	Dr Ioscani Jiménez del Va
4	Structural Engineering with Architecture	Friday 14th February	12.20-1.30pm <i>(to incl. School lunch event)</i>	G80 - NEWST Richview Newstead	Assoc Prof Arturo González
5	Biomedical Engineering	Monday 17th February	1.00-1.50pm	HLTH B005 Health Sciences	Assoc Prof Stephen Redmond
6	Biosystems and Food Engineering	Tuesday 18th February	1.00-1.50pm	SCIH 1.26 - Intel Th E Science - Hub	Dr Ronald Halim
7	Electronic & Electrical Engineering	Wednesday 19th February	1.00-1.50pm	SCIH 1.13 - Icon Th D Science - Hub	Dr Nam Tran
8	Civil Engineering	Friday 21st February	12.20-1.30pm <i>(to incl. School lunch event)</i>	G80 - NEWST Richview Newstead	Dr Yuansheng Hu

Attend Discipline Talks



Talk to Other People Working in the Area

**In pairs,
think of questions you would like to ask someone working in
the area.....**



What does a typical day look like?

What do you think sets apart people who really succeed in this area?

Who do you feel are the best employers in the field?

What do you wish you knew before you started in this field?

What are some of the main challenges people face in this field?

What are the typical hours in this sector?

My current career plan is...does this sound realistic for this field?

Where do you see this sector heading?

Do you have any suggestions about how I could strengthen myself as a candidate?

....Whatever question are important to you-based on your self awareness...

PLAN



Reflect on who you are and what you want

List the paths that interest you

Research each path to see where it leads

Consider the fit between who you are and these career paths – imagine yourself in the role and how it feels

Make notes and discuss with family, friends, people in the role, careers consultants...

Decision Making

Talk it over



**Make an appointment
through MyCareer**



Good Luck



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Careers Network Workshops Feedback 2024/2025

To help us ensure that careers workshops and seminars that we deliver are of high quality and meet your needs, please take a few moments to complete this short evaluation form.

Thank you.