



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 the career options linked to your subject choices

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

**In pairs, try to articulate what “a good job” is to you.....**



**How to  
make the  
Decision?**



The image features a solid coral background with several teal-colored brushstroke accents scattered around the central text. These strokes vary in length and orientation, some being curved and others 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?

**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 \_\_\_\_\_?

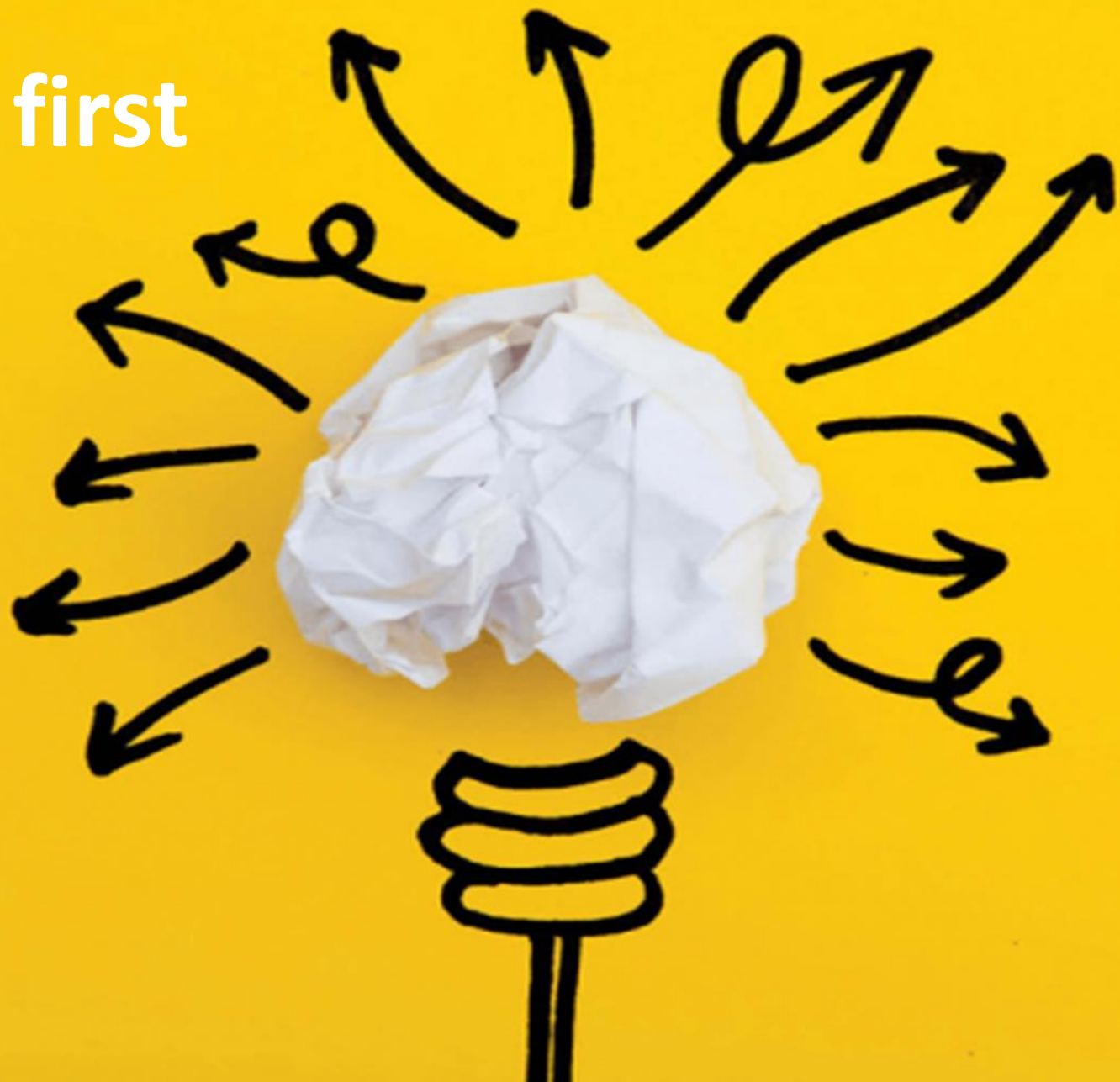
Complete the following with as much detail as possible. Review missing information and consider where you could get this information.

- 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?:  
\_\_\_\_\_  
\_\_\_\_\_

# Individual Activity



Get started on your first  
Odyssey Plan



**5 Minutes**



**In pairs,  
share what information you need to gather to complete this  
plan and how you might get this information.....**





Start with Online  
Research



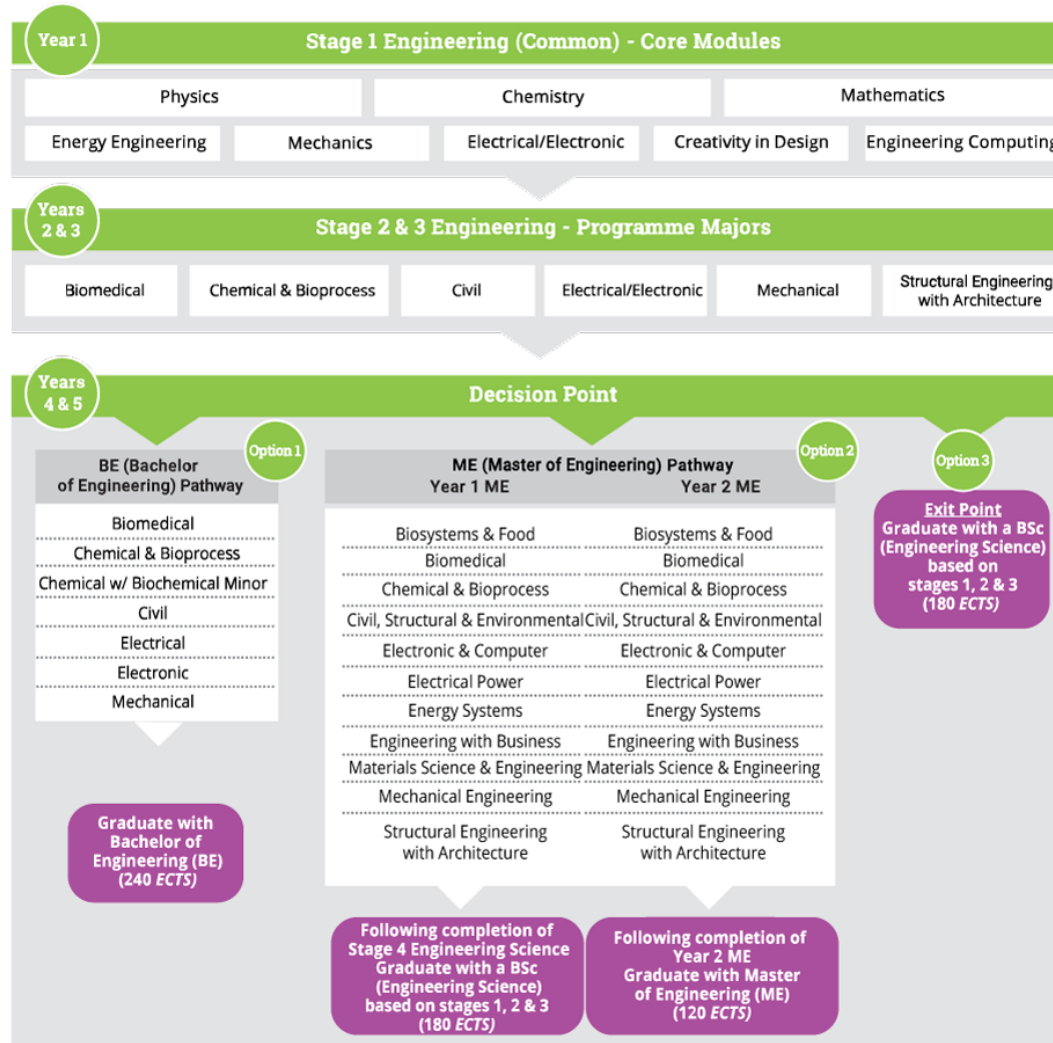
Then Start Talking  
to People

**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](#)
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-  [Related jobs and courses](#)

**Online Research:  
Job profiles**

[Home](#)[About](#)[Posts](#)[Jobs](#)[Life](#)[Alumni](#)**Engineering** ×[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**

**Engineering Discipline Information Sessions 2023/2024**  
**Stage One - Trimester Two (Spring)**  
Schedule

No.	DISCIPLINE	DATE	TIME	VENUE	PROGRAMME DIRECTOR / ACADEMIC MEMBER
	<b>UCD Careers Network</b>	Monday 12th February	1:00-1:50pm	SCIE 0.08 George Moore	Ms Nicola Fortune Career & Skills Consultant
1	Biomedical Engineering	Tuesday 13th February	1:00-1:50pm	SCIE 0.08 George Moore	Prof Madeleine Lowery Assoc Prof Eoin O'Cearbhaill
2	Chemical & Bioprocess Engineering	Wednesday 14th February	1:00-1:50pm	SCIH 1.13 Icon Th D	Dr Ioscani Jimenez del Val
3	Structural Engineering with Architecture	Thursday 15th February	12:30-1:30pm <i>(to incl. School lunch event)</i>	G80-NEWST Richview Newstead	Assoc Prof Arturo Gonzalez
4	Electronic & Electrical Engineering	Tuesday 20th February	1:00-1:50pm	SCIE 0.08 George Moore	Mr Brian Mulkeen
5	Mechanical Engineering	Wednesday 21st February	1:00-1:50pm	SCIH 1.13 Icon Th D	Dr Neal Murphy
6	Civil Engineering	Thursday 22nd February	12:30-1:30pm <i>(to incl. School lunch event)</i>	G80-NEWST Richview Newstead	Dr Daniel McCrum

**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

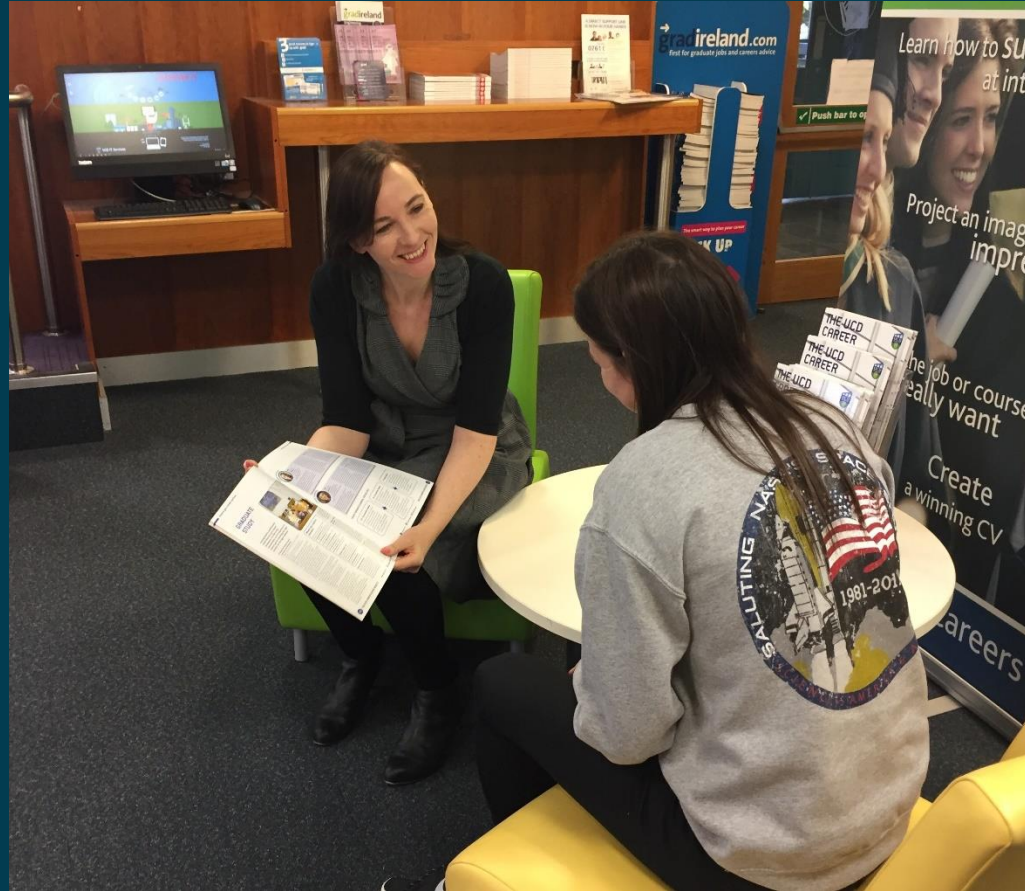
Research each path to see where it leads

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 - 2023/2024

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.