How to become an engineer with Swinburne

Change the way we live by building the improbable, now.
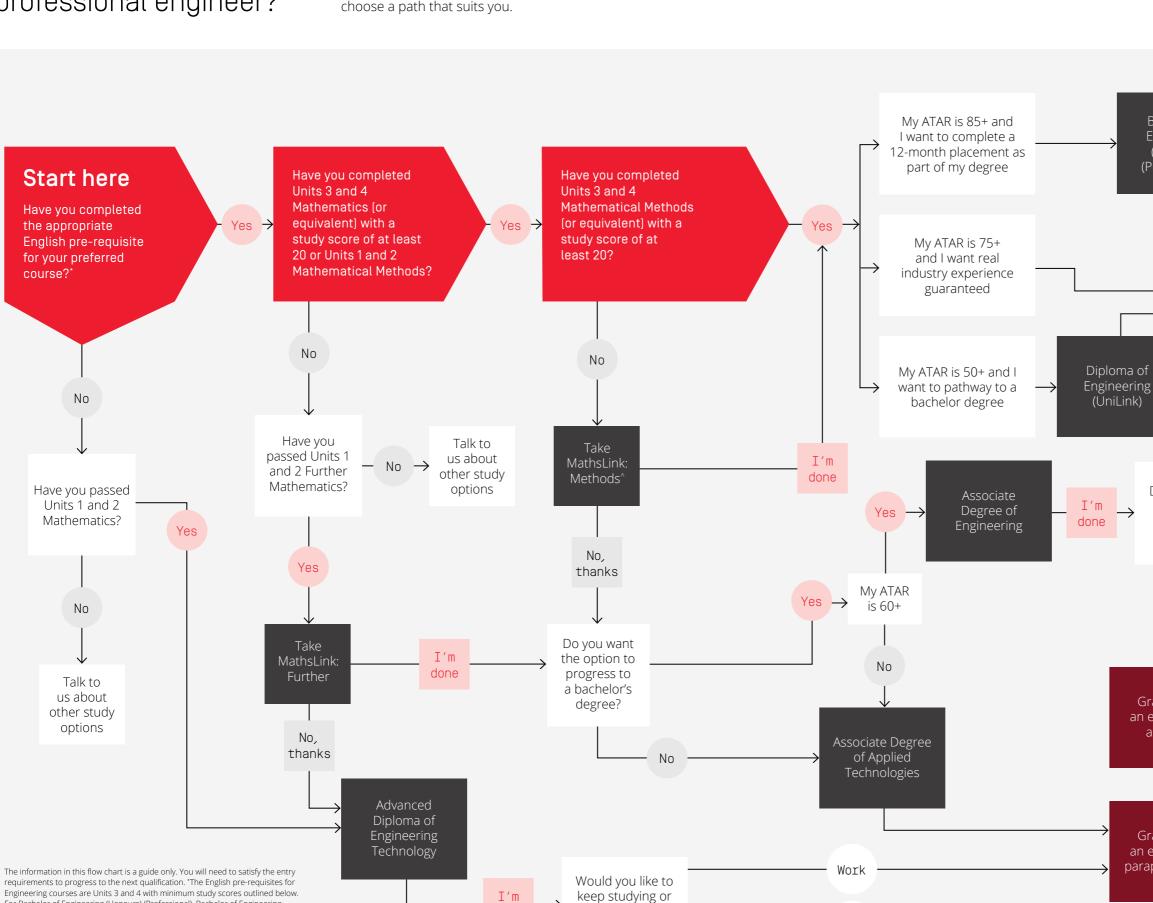
swinburne.edu.au/engineering

What do I need to study to become a professional engineer?

From civil and mechanical to biomedical, electrical and electronic, and software engineering, studying Engineering at Swinburne will help you learn how to create innovative solutions to contemporary problems. Simply choose a path that suits you.
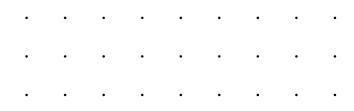
Start here

Have you completed the appropriate English pre-requisite for your preferred course?* — **Yes** → Have you completed Units 3 and 4 Mathematics (or equivalent) with a study score of at least 20 or Units 1 and 2 Mathematical Methods? — **Yes** → Have you completed Units 3 and 4 Mathematical Methods (or equivalent) with a study score of at least 20? — **Yes** →

- My ATAR is 85+ and I want to complete a 12-month placement as part of my degree → Bachelor of Engineering (Honours) (Professional) → **Graduate as a professional engineer**
- My ATAR is 75+ and I want real industry experience guaranteed → Bachelor of Engineering (Honours)
- My ATAR is 50+ and I want to pathway to a bachelor degree → Diploma of Engineering (UniLink) → Bachelor of Engineering (Honours)

Double degrees are available with the Bachelor of Engineering (Honours)

No (from English pre-requisite) → Have you passed Units 1 and 2 Mathematics? — **No** → Talk to us about other study options
— **Yes** →

No (from Units 3 and 4 Mathematics question) → Have you passed Units 1 and 2 Further Mathematics? — **No** → Talk to us about other study options
— **Yes** → Take MathsLink: Further — **I'm done** → Do you want the option to progress to a bachelor's degree?
Take MathsLink: Further — **No, thanks** → Advanced Diploma of Engineering Technology

No (from Units 3 and 4 Mathematical Methods question) → Take MathsLink: Methods^ — **I'm done**
Take MathsLink: Methods^ — **No, thanks** → Do you want the option to progress to a bachelor's degree?

Do you want the option to progress to a bachelor's degree?
— My ATAR is 60+ — **Yes** → Associate Degree of Engineering — **I'm done** → Do you want to keep studying or start work?
— My ATAR is 60+ — **No** → Associate Degree of Applied Technologies
— **No** → Associate Degree of Applied Technologies

Do you want to keep studying or start work? — **Study** → Bachelor of Engineering (Honours)
Do you want to keep studying or start work? — **Work** → **Graduate as an engineering associate**

Advanced Diploma of Engineering Technology — **I'm done** → Would you like to keep studying or start working?
— **Work** → **Graduate as an engineering paraprofessional**
— **Study** →

Associate Degree of Applied Technologies → **Graduate as an engineering paraprofessional**

Bachelor of Engineering (Honours) → **Graduate as a professional engineer**

The information in this flow chart is a guide only. You will need to satisfy the entry requirements to progress to the next quali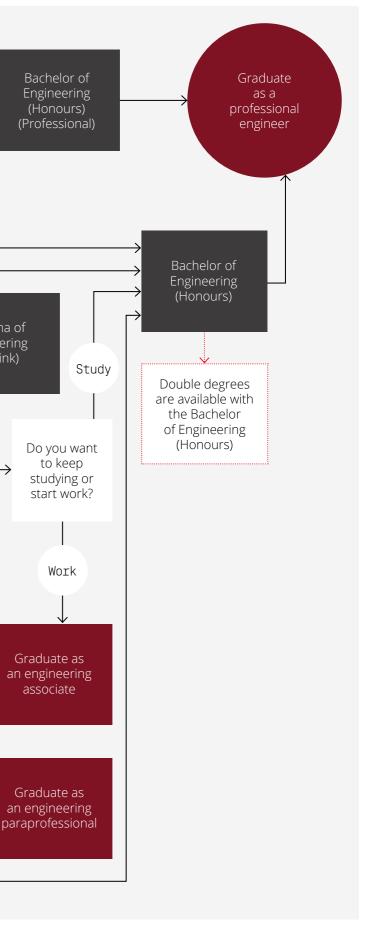fication. *The English pre-requisites for Engineering courses are Units 3 and 4 with minimum study scores outlined below. For Bachelor of Engineering (Honours) (Professional), Bachelor of Engineering (Honours), Associate Degree of Engineering and Associate Degree of Applied Technologies: 25 in English (or equivalent) or 30 in English (EAL). For Advanced Diploma of Engineering Technology: There is no English pre-requisite. ^Note that students cannot undertake both MathsLink: Further and MathsLink: Methods.