

# Changes to UTS Insearch Diploma of Engineering

To allow for a better study journey, UTS Insearch is making a minor restructure to the Diploma of Engineering. From Semester 1, 2020 we will be offering a more streamlined program where all Engineering students will study the same eight subjects.

This means that while students still need to select their UTS major when applying for their course, they now have more flexibility in deciding on their major. There's no real pressure for students to make a final decision on their UTS major until they are close to finishing the diploma.

This is a positive change because the Diploma of Engineering program will consist of a number of subjects from different fields of engineering. Students can explore different options before starting at UTS. They can change their major to suit their changing needs.

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# FREQUENTLY ASKED QUESTIONS

## 1. What are the key changes?

All Engineering students will study the same subjects regardless of the major they select for their UTS degree (previously timetables were structured around the selected major). The new course structure is a more streamlined program that offers flexible pathways to more engineering majors.

## 2. Why is the structure of the course changing?

The restructure was based on feedback from our students. We found students were often uncertain about which field they wished to specialise in, or changed their minds during their studies which had implications to their course fees, study period and student visas etc.

## 3. What are the benefits?

- Students now have the opportunity to acquire an understanding of multiple fields of engineering while studying at UTS Insearch. This knowledge can help students make a better-informed decision on their major at UTS. A well-rounded knowledge base of engineering may also help students as they enter engineering careers.
- UTS Insearch Diploma of Engineering students can now select from 11 majors at UTS (previously it was only 9).

Students receive 48 credit points of Recognition of Prior Learning (RPL) towards these UTS Bachelor of Engineering (Honours) majors:

- |                         |                |
|-------------------------|----------------|
| 1. Biomedical           | 6. Mechanical  |
| 2. Civil                | 7. Mechatronic |
| 3. Civil (Construction) | 8. Software    |
| 4. Civil (Structures)   | 9. Flexible    |
| 5. Electrical           |                |

### **New:**

- 10. Data
- 11. Electronic

## 4. Which students are affected by this minor course restructure?

All students who will be commencing Diploma of Engineering studies in Semester 1, 2020 will be studying the same subjects, without electives. This includes students who:

- have already accepted an offer
- commenced their Extended Diploma of Engineering in S3 2019 or in an earlier semester but haven't progressed to their 2nd semester of study

## 5. When students apply for the Diploma of Engineering do they still need to nominate their desired major at UTS?

Yes, students will still need to nominate their engineering major, but have the option to switch if they change their mind.

## 6. Why do students need to still nominate a major for UTS?

- a. It's important that UTS Insearch is aware of students' planned degree and major so students can be kept informed of any changes.
- b. For international students details of the degree and major appear in the offer letter.

## 7. How does a Diploma of Engineering student change their major for the UTS degree?

Changing your major is a straight forward process. Students will be given the opportunity to change their desired UTS degree and major in the final semester of their course at UTS Insearch.

## 8. Will students be disadvantaged by not focusing on subjects based on their major in comparison to students who studied at UTS?

The restructure of the Diploma of Engineering is now more closely aligned to first year at UTS, where students are also exposed to a variety of engineering fields.

## 9. Are the credit points towards the UTS Bachelor of Engineering (Honours) impacted due to the change of the diploma course structure?

No, as per Question 3 the credits points in RPL remain the same at 48 for students who successfully complete the Diploma of Engineering. However, students who wish to study double majors at UTS will now receive fewer credit points in RPL than previously awarded. For students with outstanding offer letters with a double major we recommend Channel Partners to work with Admissions to arrange a new offer letter.

## 10. What are the credit points for the double majors at UTS?

- Civil and Environmental Engineering - 30 credit points in RPL
- Electrical and Electronic Engineering - 24 credit points in RPL

## 11. Do students still need to have studied Mathematics and Physics to be admitted to the Standard or Accelerated programs?

Yes, this has not changed. Students applying for the UTS Insearch Diploma of Engineering accelerated (2 semester) or standard (3 semester) program must have successfully completed Year 12 subjects in Mathematics, Physics and/or Chemistry. Students who do not meet the pre-requisite may be considered for the extended program (4 semesters). The extended program includes three additional enabling subjects to ensure students have the core knowledge base before progressing onto more advanced subjects. For more information on entry requirements visit our Diploma of Engineering course page and select country or region from the drop down menu.

### Mathematics readiness test

All Diploma of Engineering students are required to complete a mathematics readiness test during Preparation week. This test assesses if students enrolled in the accelerated or standard programs need to complete an additional subject Foundation Mathematics prior to moving onto the more advanced Mathematical Modelling 1.

## Engineering subjects via diploma study mode

	Semester 1	Semester 2	Semester 3	Semester 4
<b>Accelerated Diploma</b> Total subjects: 8	<ul style="list-style-type: none"> <li>• Introduction to Technical Communication</li> <li>• Mathematical Modelling 1</li> <li>• Physical Modelling</li> <li>• Introduction to Civil and Environmental Engineering</li> </ul>	<ul style="list-style-type: none"> <li>• Mathematical Modelling 2</li> <li>• Network Fundamentals</li> <li>• Engineering Computations</li> <li>• Introduction to Electrical and Electronic Engineering</li> </ul>		
<b>Standard Diploma</b> Total subjects: 8	<ul style="list-style-type: none"> <li>• Introduction to Technical Communication</li> <li>• Foundation Mathematics OR Mathematical Modelling 1</li> <li>• Physical Modelling</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to Civil and Environmental Engineering</li> <li>• Mathematical Modelling 1 OR Mathematical Modelling 2</li> <li>• Network Fundamentals</li> </ul>	<ul style="list-style-type: none"> <li>• Engineering Computations OR Mathematical Modelling 2</li> <li>• Introduction to Electrical and Electronic Engineering</li> </ul>	
<b>Extended Diploma</b> Total subjects: 11	<ul style="list-style-type: none"> <li>• Introduction to Mathematics</li> <li>• Introduction to Science</li> <li>• Academic Communication OR Academic English</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to Technical Communication</li> <li>• Foundation Mathematics</li> <li>• Physical Modelling</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to Civil and Environmental Engineering</li> <li>• Mathematical Modelling 1</li> <li>• Network Fundamentals</li> </ul>	<ul style="list-style-type: none"> <li>• Mathematical Modelling 2</li> <li>• Introduction to Electrical and Electronic Engineering</li> </ul>