

## Bachelor of Engineering (Honours) (Civil Engineering)

Useful study planning/enrolment resources:

[Course and Subject Handbook](#)  
[Academic Calendars](#)  
[Class Registration](#)  
[Enrolment Resources](#)

The information in the study planner is current at the time of creation may be subject to future change.

**Attention International Student visa holders:** To remain compliant with your enrolments requirements as a Student visa holder you are required to enrol in at least one On-Campus, Multi-Modal or WIL subject offering in each compulsory study period and you cannot enrol in more than one third (33%) of your total course load through online or distance learning. To complete your course within your CoE duration students must maintain sufficient subject enrolment.

**If you are receiving US Federal Aid,** there are further compliance considerations. Please contact [financialaid@jcu.edu.au](mailto:financialaid@jcu.edu.au) to confirm compliance of your subject selections.

**Student Resources:** If you require advice about your study plan, choosing electives, or which subjects to enrol in, please contact your major advisor or degree coordinator ([CSE Course and Major Advisors](#)). For information on available elective subject options please also refer to the Study Area guide ([2026 JCU STUDY AREA GUIDE — College of Science & Engineering](#)).

Your plan may include subjects labelled with **\*Intensive on-campus requirements**. These subjects involve mandatory on-campus or fieldwork attendance with extended hours over a dedicated face-to-face period. Please check the face-to-face dates for the subject in the [subject handbook](#) and do not enrol in subjects with overlapping face-to-face dates. For more information, see the CSE Student Guide to Succeeding in Trimester 2 Intensives on the CSE [Student Resources](#) webpage.

|      | TRIMESTER 1 | TRIMESTER 2 | TRIMESTER 3                                                       |
|------|-------------|-------------|-------------------------------------------------------------------|
| 2026 |             |             | EG1010:03 Process Engineering                                     |
|      |             |             | Minor Subject/Elective Subject<br>(depending on chosen structure) |
|      |             |             | Minor Subject/Elective Subject<br>(depending on chosen structure) |

|      | TRIMESTER 1                                                                                                                                                                                        | TRIMESTER 2                                                                                                                                                                            | TRIMESTER 3                                                       |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 2027 | EG1000:03 Engineering 1                                                                                                                                                                            | MA1003:03 Mathematical Techniques<br><i>PREREQ: MA1000 or MA1011 or MA1009</i>                                                                                                         | EG1011:03 Statics and Dynamics<br><i>PREREQ: PH1005</i>           |
|      | EG1002:03 Computing and Sensors                                                                                                                                                                    | PH1005:03 Newtonian Physics<br><i>PREREQ: Maths B or MA1020 or MA0020 or MA1000 or MA1008 OR admission to 116209, 116409 or 116309. Allow concurrent for MA1020, MA1000 and MA1008</i> | EG1012:03 Electric Circuits                                       |
|      | MA1000:03 Mathematical Foundations<br><i>PREREQ: MA1020 or MA0020 or BR0202 or High school subjects: Mathematical Methods or Specialist Mathematics (or equivalent such as Maths B or Maths C)</i> |                                                                                                                                                                                        | Minor Subject/Elective Subject<br>(depending on chosen structure) |

|      | TRIMESTER 1                                                                          | TRIMESTER 2                                                                          | TRIMESTER 3                                                                                 |
|------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| 2028 | MA2000:03 Mathematics for Scientists and Engineers<br><i>PREREQ: MA1003</i>          | <b>Major</b><br>CP1407:03 Introductory Machine Learning and Data Science             | <b>Major</b><br>CS2002:03 Catchment, Stream and Lake Engineering                            |
|      | <b>Major</b><br>CS2001:03 Engineering Strength of Materials<br><i>PREREQ: EG1011</i> | <b>Major</b><br>CS2003:03 Introduction to Structural Design<br><i>PREREQ: CS2001</i> | <b>Major</b><br>CS2005:03 Introduction to Geotechnical Engineering<br><i>PREREQ: EG1011</i> |
|      | Minor Subject/Elective Subject<br>(depending on chosen structure)                    |                                                                                      | <b>Major</b><br>EG2008:03 Fluid Mechanics<br><i>PREREQ: MA2000 and EG1011</i>               |

| 2029 | Vac work (Dec-Feb)                                                                                                                                                                                              | TRIMESTER 2                                                                                                | TRIMESTER 3                                                                                    |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
|      | Time available for work placements with engineering employers                                                                                                                                                   | EG4011:03 Thesis Part 1 of 2<br>PREREQ: 60 credit points                                                   | EG4012:03 Thesis Part 2 of 2<br>PREREQ: EG4011                                                 |
|      | BLOCK 2 (Mar-Apr)                                                                                                                                                                                               |                                                                                                            |                                                                                                |
|      | EG3000:03 Introduction to Systems Engineering and Project Management<br>PREREQ: EG1000 and EG1002 and EG1010 and EG1011 and EG1012 and MA1000 and MA1003 and (PH1005 or EG1001) or 36 credit points of subjects | <b>Major</b><br>CS3001:03 Concrete Engineering<br>PREREQ: CS2001                                           | <b>Major</b><br>CS3002:03 Soil Mechanics and Geology<br>PREREQ: CS2005                         |
|      | BLOCK 2 (Mar-Apr)                                                                                                                                                                                               |                                                                                                            |                                                                                                |
|      | <b>Major</b><br>CS3000:03 Structural Analysis<br>PREREQ: CS2003 and MA2000                                                                                                                                      | <b>Major</b><br>CS3004:03 Transportation Engineering<br>PREREQ: 48 credit points of undergraduate subjects | <b>Major</b><br>CS3003:03 Design of Steel and Concrete Structures<br>PREREQ: CS2003 and CS3000 |

| 2030 | Vac work (Dec-Feb)                                                                      | TRIMESTER 2                                                                                                                                  | TRIMESTER 3 |
|------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------|
|      | Time available for work placements with engineering employers                           | <b>Major</b><br>CS4005:03 Civil Engineering Design<br>PREREQ: CS3001 and CS3003 and CS4001 and CS4002                                        |             |
|      | BLOCK 2 (Mar-Apr)                                                                       |                                                                                                                                              |             |
|      | <b>Major</b><br>CS4001:03 Foundation Engineering and Rock Mechanics<br>PREREQ: CS3002   | <b>Major</b><br>CS4008:03 Water and Wastewater Engineering<br>PREREQ: 48 credit points of undergraduate subjects including CS2002 and EG1010 |             |
|      | BLOCK 2 (Mar-Apr)                                                                       |                                                                                                                                              |             |
|      | <b>Major</b><br>CS4002:03 Hydraulic and Coastal Engineering<br>PREREQ: EG2008 or CS3008 | <b>Major</b><br>CS4010:03 Finite Element Analysis and Structural Dynamics<br>PREREQ: EG1002 and CS3000 and MA2000                            |             |

## COURSE HANDBOOK

[Bachelor of Engineering \(Honours\) Handbook](#)  
[Civil Engineering Major](#)