

# UTS: Engineering Course Template

Course: C10061v6 BE Dip Eng Prac  
Major: Civil - Structures Engineering

Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	Stage 7	Stage 8	Stage 9	Stage 10																									
<table border="1"> <tr> <td>33130 Maths Mod 1 6 <i>Core</i></td> <td>33230 Maths Mod 2 6 33130 Maths Mod 1 <i>Core</i></td> <td>48240 Design &amp; Inno Fundamentals 6 33130 Maths Mod 1 48230 Eng Comm <i>Core</i></td> <td rowspan="4" style="writing-mode: vertical-rl; transform: rotate(180deg);">48110 Engineering Experience 1</td> <td>48250 Eng Eco &amp; Fin 6 48110 EE1 48230 Eng Comm 48240 Design&amp;Inno Fund <i>Core</i></td> <td>48260 Eng Proj Man 6 48240 Design&amp;Inno Fund 48122 EPR1 OR 96 CP <i>Core</i></td> <td>48270 Entrepreneur' &amp; Commercialisation 6 120cp <i>Core</i></td> <td rowspan="4" style="writing-mode: vertical-rl; transform: rotate(180deg);">48130 Engineering Experience 2</td> <td>48016 Capstone A 6 48260 Eng Pro M'Ment 48142 EPR2 [C] OR 144 CP <i>MAJ</i></td> <td>48026 Capstone B 6 48016 Capstone A <i>MAJ</i></td> </tr> <tr> <td>48230 Eng Comm 6 <i>Core</i></td> <td>48321 Eng Mechanics 6 33130 Maths Mod 1 [C] 68037 Physical Mod [C] <i>MAJ</i></td> <td>48221 Engineering Computations 6 33130 Maths Mod 1 <i>MAJ</i></td> <td>48330 Soil Behaviour 6 48331 Mech of Solids [C] <i>MAJ</i></td> <td>48641 Fluid Mech 6 33230 Maths Mod 2 <i>MAJ</i></td> <td>48360 Geotechnical Eng 6 48330 Soil Behaviour <i>MAJ</i></td> <td>48371 Adv Eng Comp 6 48221 Eng Computations 48349 Structural Analysis &amp; 120 CP <i>MAJ</i></td> <td>48389 Comp M&amp;D 6 48366 S&amp;T Des [C] 48353 Concrete Design &amp; 144 CP <i>MAJ</i></td> </tr> <tr> <td>68037 Phys Mod 6 <i>Core</i></td> <td>48320 Surveying 6 <i>MAJ</i></td> <td>48331 Mech of Solids 6 48321 Eng Mechanics OR 48620 Fund Mech Eng <i>MAJ</i></td> <td>48352 Constr Mat 6 33230 Maths Mod 2 60101 Chem &amp; Mat Sci OR 65111 Chemistry 1 <i>MAJ</i></td> <td>48353 Concrete Design 6 48349 Structural Analysis 48352 Construct'n Mat [C] <i>MAJ</i></td> <td>48350 Enviro &amp; Sanitation Eng 6 OR <b>48370 Road &amp; Transport Eng</b> <i>MAJ</i></td> <td>48366 Steel &amp; Timber Design 6 48349 Structural Analysis 48352 Constr Mat [C] <i>MAJ</i></td> <td>Elective - Recommended Stream Subject 6</td> </tr> <tr> <td>48310 Intro to Civil &amp; Enviro Eng 6 <i>MAJ</i></td> <td>60101 Chem &amp; Materials Sci 6 <i>MAJ</i></td> <td>48340 Construction 6 48310 Intro to Civil &amp; Enviro Eng <i>MAJ</i></td> <td>48349 Structural Analysis 6 48331 Mech of Solids 33230 Maths Mod 2 <i>MAJ</i></td> <td>Elective 6 <i>MAJ</i></td> <td>48362 Hydraulics &amp; Hydro 6 48641 Fluid Mechanics <i>MAJ</i></td> <td>Elective - Recommended Stream Subject 6</td> <td>Elective 6</td> </tr> </table>	33130 Maths Mod 1 6 <i>Core</i>	33230 Maths Mod 2 6 33130 Maths Mod 1 <i>Core</i>	48240 Design & Inno Fundamentals 6 33130 Maths Mod 1 48230 Eng Comm <i>Core</i>	48110 Engineering Experience 1	48250 Eng Eco & Fin 6 48110 EE1 48230 Eng Comm 48240 Design&Inno Fund <i>Core</i>	48260 Eng Proj Man 6 48240 Design&Inno Fund 48122 EPR1 OR 96 CP <i>Core</i>	48270 Entrepreneur' & Commercialisation 6 120cp <i>Core</i>	48130 Engineering Experience 2	48016 Capstone A 6 48260 Eng Pro M'Ment 48142 EPR2 [C] OR 144 CP <i>MAJ</i>	48026 Capstone B 6 48016 Capstone A <i>MAJ</i>	48230 Eng Comm 6 <i>Core</i>	48321 Eng Mechanics 6 33130 Maths Mod 1 [C] 68037 Physical Mod [C] <i>MAJ</i>	48221 Engineering Computations 6 33130 Maths Mod 1 <i>MAJ</i>	48330 Soil Behaviour 6 48331 Mech of Solids [C] <i>MAJ</i>	48641 Fluid Mech 6 33230 Maths Mod 2 <i>MAJ</i>	48360 Geotechnical Eng 6 48330 Soil Behaviour <i>MAJ</i>	48371 Adv Eng Comp 6 48221 Eng Computations 48349 Structural Analysis & 120 CP <i>MAJ</i>	48389 Comp M&D 6 48366 S&T Des [C] 48353 Concrete Design & 144 CP <i>MAJ</i>	68037 Phys Mod 6 <i>Core</i>	48320 Surveying 6 <i>MAJ</i>	48331 Mech of Solids 6 48321 Eng Mechanics OR 48620 Fund Mech Eng <i>MAJ</i>	48352 Constr Mat 6 33230 Maths Mod 2 60101 Chem & Mat Sci OR 65111 Chemistry 1 <i>MAJ</i>	48353 Concrete Design 6 48349 Structural Analysis 48352 Construct'n Mat [C] <i>MAJ</i>	48350 Enviro & Sanitation Eng 6 OR <b>48370 Road &amp; Transport Eng</b> <i>MAJ</i>	48366 Steel & Timber Design 6 48349 Structural Analysis 48352 Constr Mat [C] <i>MAJ</i>	Elective - Recommended Stream Subject 6	48310 Intro to Civil & Enviro Eng 6 <i>MAJ</i>	60101 Chem & Materials Sci 6 <i>MAJ</i>	48340 Construction 6 48310 Intro to Civil & Enviro Eng <i>MAJ</i>	48349 Structural Analysis 6 48331 Mech of Solids 33230 Maths Mod 2 <i>MAJ</i>	Elective 6 <i>MAJ</i>	48362 Hydraulics & Hydro 6 48641 Fluid Mechanics <i>MAJ</i>	Elective - Recommended Stream Subject 6	Elective 6
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|  |  | 48121 EPP1 3 48230 Eng Comm [C] & 1 CP *EPP* | 48121 EPP1 0 *EPP* | 48122 EPR1 3 48110 EE1 *EPP* |  | 48141 EPP2 3 48122 EPR1 OR 48120 REP1 *EPP* | 48141 EPP2 0 48130 EE2 48141 EPP2 & 129 CP *EPP* | 48142 EPR2 3 *EPP* |  |

**Subject Name**

**Subject Number** → 48016 **Capstone A** 6

**Engineering Course Component** → MAJ

**Credit Points** ← 6

**Academic Requisites** ← 48260 Eng Pro M'Ment  
48142 EPR2 [C]  
OR 144 CP

**Availability**  
If blank, subject offered in either semester. Check the UTS Timetable.

**Course Component Key**  
Core - Core Subject  
EPP - Engineering Practice Program  
MAJ - Subject within the major

**Notes:**  
Subjects and/or credit points that must be completed prior to the commencement of this subject.  
[C] denotes an academic co-requisite, where this subject may be taken in the same semester.

UTS Timetable remains the definitive source on subject availability  
Your study plan defines course requirements  
For further assistance, contact Student Centre at 1300 275 887

# UTS: Engineering

## Course Template

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Major: Civil - Structures Engineering

### Elective - Recommended Stream Subjects

Choose 12 CP of the following

49047 <u>Finite Element Analysis</u> 120cp	49115 <u>Façade Engineering</u> 120cp
49131 <u>Bridge Design</u> 48389 Computer Mod & Des & 120cp	49136 <u>App' Timber in Eng Structures</u> 48389 Computer Mod & Des & 120cp
49134 <u>Struct' Dynam &amp; Earthquake Eng</u> 120cp	49150 <u>Prestressed Concrete Design</u> 48353 Concrete Design & 120cp
49151 <u>Concrete Technology &amp; Prac</u> 48352 Construction Materials & 120cp	49254 <u>Adv Soil Mech &amp; Found' Design</u> 120cp

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