

UTS: Engineering Course Template

Course: C10061v6 BE Dip Eng Prac Major: Electrical 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 & 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 & Fin 6 48110 EE1 48230 Eng Comm 48240 Design&Inno Fund <i>Core</i></td> <td>48260 Eng Pro Man 6 48240 Design&Inno Fund 48122 EPR1 OR 96 CP <i>Core</i></td> <td>48270 Entrepreneur' & 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>48441 Intro Digital Sys 6 48510 Intro Elec Eng <i>MAJ</i></td> <td>48430 Embedded C 6 48441 Intro Digital Sys [C] <i>MAJ</i></td> <td>Submajor/ Elective 6</td> <td>Submajor/ Elective 6</td> <td>Submajor/ Elective 6</td> <td>Thread 1C 6 <i>MAJ</i></td> <td>Submajor/ Elective 6</td> </tr> <tr> <td>68037 Phys Mod 6 <i>Core</i></td> <td>48521 Fund Elec Eng 6 48510 Intro to Elec Eng 68037 Phys Mod 33230 Maths Mod 2 [C] <i>MAJ</i></td> <td>68038 Adv Math Phys 6 33230 Maths Modelling 2 68037 Phys Mod 48520 Elec & Circuits <i>MAJ</i> <small>SPR</small></td> <td>48531 Electro Autom 6 33230 Maths Mod 2 48520 Elec and Circ's OR 48660 Dynam & Control <i>MAJ</i></td> <td>Thread 1A 6 <i>MAJ</i></td> <td>Thread 1B 6 <i>MAJ</i></td> <td>Thread 2B 6 <i>MAJ</i></td> <td>Thread 2C 6 <i>MAJ</i></td> </tr> <tr> <td>48510 Intro to Elec Eng 6 <i>MAJ</i></td> <td>48520 Elec & Circuits 6 48510 Intro to Elec Eng 33130 Maths Mod 1 <i>MAJ</i></td> <td>48530 Circuit Analysis 6 48520 Elec & Circuits 48521 Fund of Elec Eng <i>MAJ</i></td> <td>48540 Signals & Sys 6 48530 Circuit Analysis <i>MAJ</i></td> <td>Thread 2A 6 <i>MAJ</i></td> <td>Thread 3A 6 <i>MAJ</i></td> <td>Thread 3B 6 <i>MAJ</i></td> <td>Thread 3C 6 <i>MAJ</i></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 Pro 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>	48441 Intro Digital Sys 6 48510 Intro Elec Eng <i>MAJ</i>	48430 Embedded C 6 48441 Intro Digital Sys [C] <i>MAJ</i>	Submajor/ Elective 6	Submajor/ Elective 6	Submajor/ Elective 6	Thread 1C 6 <i>MAJ</i>	Submajor/ Elective 6	68037 Phys Mod 6 <i>Core</i>	48521 Fund Elec Eng 6 48510 Intro to Elec Eng 68037 Phys Mod 33230 Maths Mod 2 [C] <i>MAJ</i>	68038 Adv Math Phys 6 33230 Maths Modelling 2 68037 Phys Mod 48520 Elec & Circuits <i>MAJ</i> <small>SPR</small>	48531 Electro Autom 6 33230 Maths Mod 2 48520 Elec and Circ's OR 48660 Dynam & Control <i>MAJ</i>	Thread 1A 6 <i>MAJ</i>	Thread 1B 6 <i>MAJ</i>	Thread 2B 6 <i>MAJ</i>	Thread 2C 6 <i>MAJ</i>	48510 Intro to Elec Eng 6 <i>MAJ</i>	48520 Elec & Circuits 6 48510 Intro to Elec Eng 33130 Maths Mod 1 <i>MAJ</i>	48530 Circuit Analysis 6 48520 Elec & Circuits 48521 Fund of Elec Eng <i>MAJ</i>	48540 Signals & Sys 6 48530 Circuit Analysis <i>MAJ</i>	Thread 2A 6 <i>MAJ</i>	Thread 3A 6 <i>MAJ</i>	Thread 3B 6 <i>MAJ</i>	Thread 3C 6 <i>MAJ</i>
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48230 Eng Comm [C] & 1 CP
<i>EPP</i> | 48122 EPR1 3
48110 EE1
<i>EPP</i> | 48141 EPP2 3
48122 EPR1 OR
48120 REP1
<i>EPP</i> | 48142 EPR2 3
48130 EE2
48141 EPP2
<i>EPP</i> | |---|---|---|---| |

Subject Name

Subject Number →	48016 Capstone A 6 48260 Eng Pro M'Ment 48142 EPR2 [C] OR 144 CP MAJ	Credit Points ←
Engineering Course Component →		Academic Requisites ←

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

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

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

Course: C10061v6 BE Dip Eng Prac Major: Electrical Engineering

Electrical Thread - As part of major

Select 3 Threads (Streams) - 3 x 18cp

Thread	A	B	C
STM90699 - Control	48560 <u>Intro Control</u> 6 48540 <i>Signals & Sys</i>	48580 <u>Advanced Control</u> 6 48560 <i>Intro Control</i>	49274 <u>Adv Robotics</u> 6 48531 <i>Electromech Auto</i> 48430 <i>Embedded C OR</i> 48623 <i>Mechatronics 2 & 120 CP</i> SPR
	48570 <u>Data Acq Dist</u> 6 48441 <i>Intro Digital Sys</i> 48540 <i>Signals and Sys OR</i> 48520 <i>Elec & Circuits</i> 48541 <i>Sig Theory</i>	48581 <u>Digital Electronics</u> 6 48530 <i>Circuit Analysis</i> 48570 <i>Data Acq & Dist</i>	48551 <u>Analog Electronics</u> 6 48530 <i>Circuit Analysis</i> 48570 <i>Data Acq & Dist</i> SPR
	48451 <u>Adv Digital Systems</u> 6 48441 <i>Intro Digital Sys</i>	48434 <u>Embedded Software</u> 6 48430 <i>Embedded C</i>	48450 <u>Real-Time Oper'g Sys</u> 6 48434 <i>Embedded S'ware</i> AUT
	48571 <u>Elec Machines</u> 6 48531 <i>Electromech Auto</i> 48530 <i>Circuit Analysis</i> 48038 <i>Adv Maths & Phys</i>	48561 <u>Power Elec & Drives</u> 6 48531 <i>Electro Autom</i>	48550 <u>Renewable Energy Sys</u> 6 48531 <i>Electromechanical Au</i> AUT SPR
STM90703 - Power Systems	48572 <u>Power Circuit Theory</u> 6 48530 <i>Circuit Analysis</i>	48582 <u>Power Sys. Analysis & Des</u> 6 48572 <i>Power Circ't Theory</i>	48583 <u>Power Sys Oper'n & Prot'n</u> 6 48572 <i>Power Circ't Theory</i> AUT SPR

Sub Majors

An approved sub major consists of four subjects (24 CP)

Sub Major	A	B	C	D
SMJ03047 - Biomedical Engineering	91161 <u>Cell Biology & Genetics</u> 6 MAJ	91400 <u>Human Anat & Physiology</u> 6 MAJ SPR	49261 <u>Biomedical Instrumentation</u> 6 120 CP MAJ SPR	49275 <u>Neural Net & Fuzzy Logic</u> 6 120 CP MAJ AUT
	48610 <u>Intro to M&M Eng</u> 6 48610 <i>Intro to M&M Eng</i> 68037 <i>Phys Mod</i> 33130 <i>Maths Mod 1</i>	48620 <u>Fund Mech Eng</u> 6 48610 <i>Intro to M&M Eng</i> 68037 <i>Phys Mod</i> 33130 <i>Maths Mod 1</i>	48331 <u>Mech of Solids Eng Mechanics OR</u> 6 48620 <i>Fund Mech Eng</i>	48621 <u>Manufacturing Eng</u> 6 48610 <i>Intro to M&M Eng</i>
SMJ03049 - Mechanical Engineering (complete 48610 plus 18cp from remaining)	48641 <u>Fluid Mech</u> 6 33230 <i>Maths Mod 2</i>	48640 <u>Machine Dynamics</u> 6 48620 <i>Fund of Mech Eng</i>	48651 <u>Thermo-dynamics</u> 6 33230 <i>Maths Mod 2</i> 68037 <i>Phys Mod</i>	
	48601 <u>Mech Vib & Measurement</u> 6 48640 <i>Machine Dynamics</i> 48660 <i>Dynam & Control</i> SPR	48661 <u>Heat Transfer & Fluid Mechanics</u> 6 48641 <i>Fluid Mechanics</i>		
SMJ03050 - Mechatronics	48610 <u>Intro to M&M Eng</u> 6 48610 <i>Intro to M&M Eng</i> 68037 <i>Phys Mod</i> 33130 <i>Maths Mod 1</i>	48620 <u>Fund Mech Eng</u> 6 48610 <i>Intro to M&M Eng</i> 68037 <i>Phys Mod</i> 33130 <i>Maths Mod 1</i>	48640 <u>Machine Dynamics</u> 6 48620 <i>Fund of Mech Eng</i> MAJ	48623 <u>Mechatronics 2</u> 6 48622 <i>Mechatronics 1 OR</i> 48441 <i>Intro Digital Sys</i>
	48720 <u>Network Fundamentals</u> 6 SPR	48740 <u>Comm Networks</u> 6 48720 <i>Network Fund</i> AUT	48730 <u>Network Security & Management</u> 6 48740 <i>Comm Networks OR</i> 31277 <i>Routing & Internet OR</i> 31471 <i>Networking 2</i>	48750 <u>Network Plan & Management</u> 6 48740 <i>Comm Networks</i> 33230 <i>Maths Mod 2</i> SPR
SMJ03052 - Software Engineering	48023 <u>Programming Fundamentals</u> 6	48024 <u>Applications Programming</u> 6 48023 <i>Programming Fundamentals</i>	48440 <u>Software Eng Pr</u> 6 48024 <i>Applications Programming</i> SPR	48433 <u>Software Archite</u> 6 48440 <i>Software Eng Prac OR</i> 48024 <i>Applications Program'</i> SPR

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