

UTS Faculty of Arts and Social Sciences

C10406 Bachelor of Engineering Studies Master of Teaching in Secondary Education

Technology and Applied Studies Major*, Mathematics minor

Year 1 Autumn Session 33130 Mathematical Modelling 1 48230 Engineering Communication 68037 Physical Modelling 48310 Introduction to Civil Engineering	Cr Pts 6 6 6 6	1 st year
Year 1 Spring Session 33230 Mathematical Modelling 2 60101 Chemistry and Materials Science 48610 Introduction to Mechanical and Mechatronic Engineering 48023 Programming Fundamentals	6 6 6 6	1 st year
Year 2 Autumn and Autumn D Session 48240 Design and Innovation Fundamentals 013246 Technology and Applied Studies Teaching Methods: Technology 010048 Professional Learning (8 days of school observations) 010047 Literacy and Numeracy Across the Curriculum	6 6 6 6	2 nd year
Year 2 Spring and Spring D Session 37132 Introduction to Mathematical Analysis and Modelling 48024 Applications Programming 48510 Introduction to Electrical and Electronic Engineering 010049 Understanding and Engaging Adolescent Learners	6 6 6 6	2 nd year
Year 3 Autumn and Autumn D Session 31251 Data Structures and Algorithms 37233 Linear Algebra 013238 Mathematics Teaching Methods 1 013247 Technology and Applied Studies Teaching Methods: Engineering Studies	6 6 6 6	3 rd year
Year 3 Spring and Spring D Session 48433 Software Architecture 31271 Database Fundamentals 010046 Learning Futures: Teaching for Complexity and Diversity 013241 Professional Experience Teaching Practice 1 (6 week placement)	6 6 6 6	3 rd year
Year 4 Autumn and Autumn D Session 48260 Engineering Project Management 013239 Mathematics Teaching Methods 2 013404 Inclusive Education (12 day placement) 013248 Technology and Applied Studies Teaching Methods: Software Design and Development	6 6 6 6	4 th year
Year 4 Spring and Spring D Session 31080 Interactive Media 013181 Technology and Applied Studies Teaching Methods: Industrial Technology Graphics and Multimedia 013242 Professional Experience Teaching Practice 2 (6 week placement) 013408 Teaching and Learning with Digital Technologies	6 6 6 6	4 th year

* Industrial Technology and Engineering Studies (including Information and Software Technology; Information Processes and Technology; Software Design and Development; Industrial Technology Graphics and Multimedia)



Year 5 Autumn and Autumn D Session		
48620 Fundamentals of Mechanical Engineering	6	5 th year
31264 Introduction to Computer Graphics	6	
013407 Resetting the Future: Indigenous Australian Education	6	
013182 Technology and Applied Studies Teaching Methods: Information Processes and Technology	6	

Please note that Calendar D subjects are in **green** coloured font to highlight the differentiate between calendars.

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