

# Bachelor of Engineering (Honours) (Mechanical Engineering) - Bachelor of Information Technology

Useful study planning/enrolment resources:

[Subject Search](#)  
[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.

If you would prefer a part-time study plan, please adjust the below study planner; reviewing subject prerequisites to ensure you are on track for course completion.

2024	TEACHING PERIOD 1		TEACHING PERIOD 2	
	Study Period 1	EG1000:03 Engineering 1	Study Period 2	EG1010:03 Process Engineering
	Study Period 1	EG1002:03 Computing and Sensors	Study Period 2	EG1011:03 Statics and Dynamics <i>PREREQ: PH1005 OR (Physics and Maths C)</i>
	Study Period 1	PH1005:03 Advanced Stream Physics 1 <i>PREREQ: Maths B or MA1020 or MA0020 or MA1000 or MA1008. Allow concurrent for MA1000 and MA1008</i>	Study Period 2	EG1012:03 Electric Circuits
	Study Period 1	MA1000:03 Mathematical Foundations <i>PREREQ: MA1020 OR MA0020 OR Maths B OR Maths C OR Admission to 116209 or 116409 or 116309</i>	Study Period 2	MA1003:03 Mathematical Techniques <i>PREREQ: MA1000 or MA1011 or MA1009</i>

2025	TEACHING PERIOD 1		TEACHING PERIOD 2			
	Study Period 1	<b>Major</b> CS2001:03 Engineering Strength of Materials <i>PREREQ: EG1011</i>	Study Period 2	<b>Major</b> EG2010:03 Materials Science and Engineering		
	Study Period 1	<b>Major</b> ME2512:03 Thermofluid Mechanics <i>PREREQ: EG1011</i>	Study Period 2	<b>Major</b> ME2525:03 Machine Element Design <i>PREREQ: CS2001</i>		
	Study Period 1	MA2000:03 Mathematics for Scientists and Engineers <i>PREREQ: MA1003</i>				
	TRIMESTER 1		TRIMESTER 2		TRIMESTER 3	
	CP1402:03 Internet Fundamentals				CP1403:03 Design Thinking I	
					CP1404:03 Programming II <i>PREREQ: CP1801 or CP1401 or CP1200 or EG1002 or CP2200 or SC1201</i>	

2026	TEACHING PERIOD 1		TEACHING PERIOD 2			
	Study Period 1	<b>Major</b> ME2521:03 Dynamics of Machine Elements <i>PREREQ: EG1011</i>	Study Period 2	<b>Major</b> CS3008:03 Fluid Mechanics <i>PREREQ: MA2000 and ME2512</i>		
	Study Period 1	<b>Major</b> EG3001:03 Finite Element Analysis <i>PREREQ: EG1002 and EG1011 and MA2000</i>	Study Period 2	<b>Major</b> EE3600:03 Automatic Control <i>PREREQ: EG1012 and MA2000</i>		
	Study Period 1	<b>Major</b> ME3515:03 Advanced Manufacturing Engineering <i>PREREQ: ME2525 and EG2010</i>				
	TRIMESTER 1		TRIMESTER 2		TRIMESTER 3	
	Select 3 credit points of subjects from <b>List 1</b>				CP2404:03 Database Modelling	
					CP2406:03 Programming III <i>PREREQ: CP1404 or CP1804 or CP1300</i>	

2027	TEACHING PERIOD 1		TEACHING PERIOD 2	
	Study Period 1	EG3000:03 Introduction to Systems Engineering and Project Management <i>PREREQ: EG1000 and EG1002 and EG1010 and EG1011 and EG1012 and MA1000 and MA10003 and (PH1005 or EG1001) or 36 credit points</i>	Study Period 2	<b>Major</b> ME3512:03 Heat and Mass Transfer <i>PREREQ: MA2000</i>
	Study Period 1	<b>Major</b> ME3511:03 Dynamics and Acoustics <i>PREREQ: MA2000 and ME2521</i>	Study Period 2	<b>Major</b> ME3525:03 Mechanical Design <i>PREREQ: ME2525</i>
	TRIMESTER 1		TRIMESTER 2	TRIMESTER 3
	CP3407:03 Advanced Software Engineering <i>PREREQ: CP1404 or CP1804 and 18 credit points of CP subjects) or (CP1404 or CP1804 and admittance to Bachelor of Engineering (Course codes 102809 or 116209 or 116309))</i>			Select 3 credit points of subjects from <b>List 2</b>
	Select 3 credit points of subjects from <b>List 2</b>			Select 3 credit points of subjects from <b>List 2</b>

2028	TEACHING PERIOD 1		TEACHING PERIOD 2	
	Study Period 1	EG4011:03 Thesis Part 1 of 2 <i>PREREQ: 96 Credit Points in 116309</i>	Study Period 2	EG4012:03 Thesis Part 2 of 2 <i>PREREQ: EG4011</i>
	Study Period 1	<b>Major</b> ME4513:03 Advanced Fluid Mechanics <i>PREREQ: CS3008</i>	Study Period 2	<b>Major</b> EG4013:03 Asset Management, Maintenance and Reliability <i>PREREQ: (EG1000 and EG1002 and EG1010 and EG1011 and EG1012 and MA1000 and MA1003 and (PH1005 or EG1011) or 36 credit points</i>
	Study Period 1	Select 3 credit points of any Undergraduate subjects <b>OR</b> if required to undertake MA1020:03 Preparatory Mathematics, select 3 credit points of any Undergraduate subjects	Study Period 2	<b>Major</b> ME4515:03 Advanced Mechanical Engineering Design <i>PREREQ: ME3525</i>
	Study Period 1	Select 3 credit points of any Undergraduate subjects <b>OR</b> if required to undertake MA1020:03 Preparatory Mathematics, select 3 credit points of any Undergraduate subjects	Study Period 2	<b>Major</b> ME4522:03 Energy, Conversion and Refrigeration <i>PREREQ: ME2512</i>

## COURSE HANDBOOK

[Bachelor of Engineering - Bachelor of Information Technology Handbook](#)

[Mechanical Engineering](#)