

Bachelor of Engineering (Honours) (Mechanical)



Commencing 2015 - 2017



Studying at Singapore

The Program Plan below is your guide to enrolment. Following this plan will ensure you are on the right path to graduation. Before you vary from this plan ensure you seek advice from your [Program Advisor](#).



	Trimester 3				Trimester 1				Trimester 2			
Year 1	<p>ENGG1003 Introduction to Procedural Programming</p> <p>Replaces GENG1003</p>	<p>ENGG1500 Introduction to Professional Engineering</p> <p>Replaces GENG1803</p>	<p>MATH1110 Mathematics for Engineering, Science and Technology 1</p>	<p>PHYS1210 Advanced Physics I</p>	<p>MECH1110 Mechanical Drawing/CAD and Workshop Practice</p> <p>Replaces GENG1000</p>	<p>CIVL1100 Fundamentals of Engineering Mechanics</p> <p>Replaces GENG1001</p>	<p>ELEC1310 Introduction to Electrical Engineering</p> <p>Replaces ELEC1300</p>	<p>MATH1120 Mathematics for Engineering, Science and Technology 2</p>	<p>MECH2110 Mechanical Engineering Design 1</p>	<p>MECH2250 Materials Science and Engineering 1</p> <p>Last course offering</p>	<p>MATH2310 Calculus of Science and Engineering</p>	<p>MECH2360 Dynamics of Machines</p> <p>Replaces MECH2350</p>
Year 2	<p>MECH2430 Mechanics of Solids 1</p> <p>Replaces MECH2420</p>	<p>MECH2450 Engineering Computations 2</p> <p>Last course offering</p>	<p>MECH2700 Thermofluids</p> <p>Last course offering – Refer to Transition Document</p>	<p>ENGG4500 Engineering Complexity</p> <p>Replaces PHIL3910</p>	<p>MECH3400 Materials Science and Engineering 2</p>	<p>DIRECTED</p> <p>Replaces MECH3440</p>	<p>MECH4580 Computer Aided Engineering and Manufacturing</p> <p>Last course offering</p>	<p>MECH4830 Engineering Economic Analysis</p> <p>Last course offering</p>	<p>MECH3700 Transport Phenomena</p> <p>Last course offering - Refer to Transition Document</p>	<p>MECH3750 Applied Engineering Thermodynamics</p> <p>Last course offering - Refer to Transition Document</p>	<p>ENGG2440 Modelling & Control</p> <p>Replaces MCHA2000</p>	<p>ELECTIVE</p>
Year 3	<p>MECH4410 Mechanics of Solids 2 & FEA</p> <p>Replaces MECH4400</p>	<p>MECH4841A Mechanical Engineering Project A</p>	<p>ELEC3410 Control System Design</p> <p>Replaces ELEC4400</p>	<p>ENGG3500 Managing Engineering Projects</p> <p>Replaces GENG3830</p>	<p>MECH3110 Mechanical Engineering Design 2</p>	<p>MECH4841B Mechanical Engineering Project B (20 units) <i>This course must be taken in the semester following MECH4841A</i></p>	<p>ELECTIVE</p>					

Program Plan Key: = Core = Elective = Changes to Course from 2017 onwards

To be eligible to graduate make sure you have completed 320 units (10 units = 1 course unless otherwise specified) which meet the following criteria:

- ✓ Core courses - 290 units.
- ✓ Directed course – 10 units
- ✓ Elective - 20 units. Visit the [Course Handbook](#) to see a list of all available minors.
- ✓ It is also a requirement that students complete a total of 12 weeks of [industrial experience](#).
- ✓ The duration of this program is 3 years full time (40 units per trimester) study or part time equivalent.
- ✓ The maximum time to complete this program is 10 years.



Some courses have assumed knowledge and/or requisites, please refer to the individual [Course Handbook](#).

The [Program Handbook](#) has valuable information on program structure and requirements, if you are intending on studying part time or varying from this program plan please seek prior advice from your [Program Advisor](#).