MONASH University
Engineering

Bachelor of Engineering in the field of mechanical engineering and Bachelor of Design (Industrial Design)

Student ID		**Student name**	
Course code	2965	**Year commenced course**	
Course version	3 (for students who commenced first year in 2005 onwards)		
Credit points	240 points comprising: 90 points of Art and Design (15 units) and 150 points of Engineering (25 units)		
Duration of degree	5 years full time, 10 years part time		
Time limit	10 years. Students have ten years in which to complete this award from the time they commence level one. Periods of intermission are counted as part of the ten years.		
Honours	Students are awarded a degree with honours for meritorious performance throughout the course. No additional time is required.		
Conversion to single degree	Student wishing to take out their engineering degree prior to completion of all the requirements for the double degree will have to complete the required 192 credit points for the single Bachelor of Engineering degree. Students wishing to take out the non-engineering component of the degree should consult the relevant faculty.		
Course adviser	http://www.eng.monash.edu.au/current-students/course-information.html#1		
Monash University Handbook	http://www.monash.edu.au/pubs/handbooks/		

Students should bring this course map with them when they seek course advice.

First year (select eight units from):	**Mark**	**Grade**
Core units		
☐ DGN1001 Design studio 1		
☐ DWG1301 Drawing 1C		
☐ ENG1020 Engineering structures		
☐ ENG1030 Electrical systems		
☐ ENG1040 Engineering dynamics		
☐ ENG1060 Computing for engineers		
☐ ENG1091 Mathematics for engineering		
☐ OHS1000 Occupational health and safety (this unit is worth 0 points)		
Select one unit from either the foundation or the elective units:		
Foundation units		
Students who have not completed VCE units 3 and 4 Physics and/or Specialist Mathematics should select a foundation unit from the following. IF two foundation units are required, the student should complete ENG1090 only.		
☐ ENG1080 Foundation physics (if you have not completed VCE Physics)		
☐ ENG1090 Foundation mathematics (if you have not completed VCE Spec Maths)		

Elective		
For students who are not required to undertake a foundation unit:		
☐ ENG1081 Physics for engineering		
Second year	**Mark**	**Grade**
☐ ENG2091 Advanced engineering mathematics A		
☐ IDE1112 Industrial design studio 2		
☐ IDE1502 Modelmaking and workshop practice		
☐ IDE1602 Product drawing		
☐ MEC2401 Dynamics I		
☐ MEC2402 Engineering design I		
☐ MEC2403 Mechanics of materials		
☐ MEC2406 Engineering design II		
Third year	**Mark**	**Grade**
☐ DIS1103 Digital processes for art and design 1		
☐ IDE2113 Industrial design studio 3		
☐ IDE2114 Industrial design studio 4		
☐ IDE2303 Ergonomics		
☐ MEC2404 Fluid mechanics I		
☐ MEC2405 Thermodynamics		
☐ MEC2407 Electromechanics		
☐ TAD1203 Introduction to design history and theory		
Fourth year	**Mark**	**Grade**
☐ IDE3115 Industrial design studio 5		
☐ MEC3451 Fluid mechanics		
☐ MEC3452 Design III		
☐ MEC3453 Dynamics II		
☐ MEC3454 Thermodynamics and heat transfer		
☐ MEC3455 Solid mechanics		
☐ MEC3457 Systems and control		
☐ TAD2214 Critical issues in design		
Fifth year	**Mark**	**Grade**
Core units		
☐ IDE3116 Industrial design studio 6 (12 points)		
☐ IDE3814 Materials and manufacturing 2		
☐ MEC3456 Engineering computational analysis		
☐ MEC4401 Project I		
☐ MEC4402 Project II		

Elective units		
Select two electives from the course list for the Bachelor of Engineering in the field of mechanical engineering (ENG4614/ENG4616 Schools project may not be included as one of the electives)		
☐		
☐		
Professional requirements		
Students may not graduate until they have completed their work experience and submitted a satisfactory report on the experience		
☐ 12 weeks approved engineering work experience		
☐ Report submitted to department and approved		