

# 2009 Course Summary Sheet

■ Bachelor of Technology (Mechanical) (ME36) – Conversion Program from TAFE Advanced Diploma (Mechanical)

■ Bachelor of Technology (Mechanical) (ME37) – dual award with TAFE Advanced Diploma in Mechanical

**Please note that these courses have been discontinued. Please consult your Course Coordinator to discuss your enrolment.**

**Abbreviated Title:** BTech(Mech)

**Location:** Gardens Point

**Course Duration:** 3 years full-time  
3 years part-time (Conversion Program)  
QUT component 1.5 years full-time (Dual Award Program)

**Total Credit Points:** 288 (including 144cp advanced standing for Conversion Program or 132cp advanced standing for Dual Award Program)

**Standard Credit Points/Full-time Semester:** 48

**Course Coordinator:** Dr R. Mahalinga-Iyer

**Contact Details:** Email [bee.enquiries@qut.com](mailto:bee.enquiries@qut.com) or phone 07 3138 1433

## Professional Recognition

This course satisfies the academic requirements for associate membership of Engineers Australia (EA).

## Special Course Requirements:

A candidate for the degree of Bachelor of Technology must obtain at least 50 days of industrial employment/practice with a minimum of 25 days in an engineering environment, approved by the course coordinator. Full details of industrial experience requirements can be accessed via the website at [www.bee.qut.edu.au/study/current/industrial/](http://www.bee.qut.edu.au/study/current/industrial/)

**Important Note: Please ensure you select the correct teaching period, class and location code for all units you are enrolled in. All units in this course have a location of Gardens Point and a class of Internal.**

**Limits on grades of 3:** A new policy concerning grades of 3 comes into effect from 1 January 2009 (QUT MOPP C/9.2). With effect from this date grades of 3 will no longer be considered a conceded or low pass but will be classified as a fail grade. Any grades of 3 awarded prior to 1 January 2009 will retain the conceded pass status and will be counted for graduation purposes up to the maximum number of grades of 3 permitted for your course. Grades of 3 incurred in units that commence after 1 January 2009 will not count towards your degree. The maximum number of pre-2009 grades of 3 permitted for this course can be found [here](#).

## ME36 Conversion Program

**Note: Students who have not successfully completed the TAFE units EB004, EB005 and EB006 must take QUT unit MAB180 Engineering Mathematics 1 in Semester 1, Year 1 of the course.**

Part-time course structure		Prerequisites	Credit Points	Contact Hrs/wk
<b>Year 2, Semester 1</b>				
ENB105	Electrical and Computer Engineering	ENB103	12	4
ENB331	Materials and Manufacturing 2	ENB231	12	4
<b>Year 2, Semester 2</b>				
ENB201	Fluid Mechanics	ENB101, MAB131/MAB180	12	4
ENB222	Thermodynamics 1	ENB101, MAB182/MAB132	12	4

**Year 3, Semester 1**

ENB316	Design of Machine Elements	ENB215	12	6
MGB207	Human Resource Issues & Strategies	BSB115	12	3
		<b>Prerequisites</b>	<b>Credit Points</b>	<b>Contact Hrs/wk</b>

**Year 3, Semester 2**

ENB317	Design and Maintenance of Machinery	ENB316	12	4
MMB302	Project		12	

**Full-time course structure****Year 2, Semester 1**

ENB316	Design of Machine Elements	ENB215	12	6
ENB331	Materials and Manufacturing 2	ENB231	12	4
MGB207	Human Resource Issues & Strategies	BSB115	12	3
MMB302	Project		12	
		<b>Prerequisites</b>	<b>Credit Points</b>	<b>Contact Hrs/wk</b>

**ME37 Dual Award** (TAFE units in italics)*Year 1 at TAFE in Advanced Diploma in Mechanical Engineering*

		<b>Prerequisites</b>	<b>Credit Points</b>	<b>Contact Hrs/wk</b>
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**Year 2, Semester 1**

<i>EA790</i>	<i>Manufacturing Processes</i>			
<i>NE160</i>	<i>Electrical Principles</i>			
ENB231	Materials and Manufacturing 1	ENB104	12	4
MAB182	Engineering Mathematics 2B	MAB180 or TAFE Uni Bridging Maths	12	4
Or				
MAB132	Engineering Mathematics 2A	MAB131 or TAFE Uni Bridging Maths	12	4
	Elective		12	

**Year 2, Semester 2**

<i>EB771</i>	<i>Advanced Dynamics</i>			
<i>EA060</i>	<i>Engineering Design Concepts</i>			
<i>EB704</i>	<i>Mechanical Design</i>			
ENB102	Engineering Mechanics 2	ENB101	12	4
ENB103	Electrical Engineering	MAB180/MAB131	12	4
MAB101	Statistical Data Analysis 1	SA in Senior Maths B	12	4

**Year 3, Semester 1**

ENB105	Electrical and Computer Engineering	ENB103	12	4
ENB316	Design of Machine Elements	ENB215	12	6
ENB331	Materials and Manufacturing 2	ENB231	12	4
MMB300	Project		12	

**Year 3, Semester 2**

ENB201	Fluid Mechanics	ENB101, MAB131/MAB180	12	4
ENB222	Thermodynamics 1	ENB101, MAB182/MAB132	12	4
ENB317	Design and Maintenance of Machinery	ENB316	12	4
MMB376	Professional Practice (Engineering Management)		12	3
Or				
BSB115	Management, People & Organisations		12	3