

2009 Course Summary Sheet

■ Bachelor of Engineering (Software Engineering) (IX25)

CONTINUING STUDENTS ONLY

This document will assist you with the selection of your study program and completion of your enrolment. Other useful information can be found on the Student Services web site studentservices.qut.com which can also be accessed via the Online Enrolment portlet.

Abbreviated Title:	BE (Software Eng)
Location:	Gardens Point campus
Course Duration:	4 years full-time
Course Coordinator:	Dr R. Mahalinga-Iyer, Email bee.enquiries@qut.com or phone 3138 1433
Total Credit Points:	384

Standard Credit Points/Full-time Semester: 48

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](#).

Professional Recognition

This course will be accredited by the Australian Computer Society as meeting the training and experience requirements for admission to the grade of Member of the Society. Provisional accreditation has been obtained from Engineers Australia, and the Institution of Radio and Electronics Engineers, Australia as meeting the training requirements for admission to graduate membership of these institutions.

Special Course Requirements

For students who commenced prior to 2006:

A candidate for the degree of Bachelor of Engineering must obtain at least 60 days of industrial employment/practice in an engineering environment approved by the course coordinator.

Full details of industrial experience requirements can be accessed via the website at <http://www.bee.qut.edu.au/study/current/industrial/>

For students who commenced 2006 onwards:

A candidate for the degree of Bachelor of Engineering must obtain at least 60 days of approved industrial experience/practice in an engineering environment as part of BEB701 Work Integrated Learning in Year 4.

Full details of the WIL requirements can be accessed through the 'Work Integrated Learning (WIL)' Community Blackboard site [click on the 'QUT Blackboard' homepage under 'Quicklinks' and then select 'Work Integrated Learning (WIL)' from your 'My Communities' section.]

Important note: please ensure you record all unit details including unit codes and names, teaching period, credit points, class code and location code on your Enrolment. All units in your course have a Location code of GP and a class code of INT.

Faculty of Information Technology Component

Cooperative Education Program

An optional one-year period of paid work experience is available to eligible full-time students. Students participating in this program enrol in INB300 Professional Practice in IT in the first semester of the program and in INB302 IT Capstone Project in the second semester of the program. The cooperative education program and its mentoring and assessment requirements make up the required contact and assessment components of both units. Eligibility criteria apply. International students are not eligible due to visa restrictions.

Part-time students who are working in a professional IT position may be able to use their current employment to meet the criteria for completing INB300 Professional Practice in IT, after completion of 168 credit points in the Bachelor of Information Technology, subject to meeting eligibility criteria. Further information about this option is available from Student Services, Level 5, S Block, Gardens Point campus or see the unit outline for INB300.

		Prerequisites	Credit Points	Contact Hrs/Wk
Year 2, Semester 1				
ENB240	Introduction to Electronics	ENB103	12	5
ENB242	Introduction to Telecommunications	MAB182/MAB132	12	3
INB251	Networks	INB103 or equivalent	12	3
MAB233	Engineering Mathematics 3	MAB182/MAB132	12	3
Year 2, Semester 2				
ENB243	Linear Circuits and Systems	MAB182/MAB132, ENB103	12	4
ENB244	Microprocessors and Digital Systems	ENB240, ENB246	12	4
INB210	Databases	INB104 or equivalent	12	4
Select one of:				
INB271	The Web OR	INB104 or equivalent	12	3
INB272	Interaction Design	INB104 or equivalent	12	3
Year 3, Semester 1				
ENB350	Real-time Computer-based Systems	ENB244	12	4
ENB354	Introduction to Systems Design	Nil	12	4
INB370	Software Development	INB270	12	3
INB371	Data Structures and Algorithms	INB270	12	3
Year 3, Semester 2				
ENB352	Communication Environments for Embedded Systems	ENB350	12	4
ENB355	Advanced Systems Design	ENB354	12	2
INB301	The Business of IT	Completion of 192 credit points	12	3
INB372	Agile Software Development	INB370	12	3
Year 4, Semester 1				
INB255	Security	Nil	12	3
INB350	Internet Protocols and Services	INB251	12	3
INB309-1	Major Project OR		12	
BEB801	Project 1		12	
	Elective Unit*		12	
Year 4, Semester 2				
BEB701	Work Integrated Learning 1		12	
INB309-2	Major Project OR		12	
BEB802	Project 2		12	
	Elective Unit*		12	
	Elective Unit*		12	

***ELECTIVES**

Students are required to undertake 3 electives as follows: 2 from Electrical Engineering and 1 from Information Technology.

Electrical Engineering electives (2 to be selected)

Any 3rd or 4th year electrical ENB unit approved by the course coordinator.

Information Technology electives (1 to be selected)

INB373 Web Applications Development
 INB365 Systems Programming
 INB381 Modelling and Animation Techniques
 INB382 Real Time Rendering Techniques

Or any 3rd or 4th year IT unit approved by the course coordinator.