

2009 Course Summary Sheet

■ Bachelor of Applied Science/Bachelor of Information Technology (IF29)

This course has been discontinued from Semester 1, 2007 and will not accept any new enrolments.

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 website studentservices.qut.com, which can also be accessed via the Online Enrolment portlet.

Location: Gardens Point campus

Course Duration: 4 years full-time+

Total Credit Points: 408

Course Coordinator(s):

Science: Associate Professor Megan Hargreaves, phone 3138 2244, fax 3138 2244, room Q520 Gardens Point, email m.hargreaves@qut.edu.au

Information Technology: Associate Professor: Ms Ruth Christie, phone 3138 2782, Level 5, Student Services, GP, email fit.enquiry@qut.edu.au

Course Information – Science Component

Students must complete 192 credit points of units offered within the Faculty of Science and meet all the requirements of the core and a major as specified in the SC01 program (refer to the SC01 Course Summary Sheet available on the web at www.studentservices.qut.edu.au/pdfs/css_docs/SC01.pdf), with the exception that a major in mathematics is not offered in this course but is available in the IF58 course. Note that co-majors are not available in the Science component of a double degree.

Commencing students will be asked to nominate their major on enrolment before adding units to their enrolment program, selecting the major from a drop down list. Students who are uncertain of their choice of major at this stage should nominate AAA and select units as outlined in the major in Biochemistry. Majors can be changed at a later stage by submitting an I Form.

Students are expected to enrol according to the standard structure outlined in this Course Summary Sheet and are responsible for ensuring that their selection is correct and will lead to the completion of a major in Science. To assist commencing students in this process there will be an advisory session available during Orientation week.

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](#).

Course Information - Faculty of Information Technology Component

IT Elective Units

For a complete list of IT elective units, please refer to the below link

http://www.studentservices.qut.edu.au/pdfs/IT_elective_list.pdf

Unit Incompatibility/Translation Information

Details on the translation and incompatibility of old and new units is located at the below link

http://www.studentservices.qut.edu.au/pdfs/IT_ug_translation_table.pdf

If you require advice on unit selection for course completion or have any concerns regarding the course please make an appointment with the IT Course Coordinator, Associate Professor Ms Ruth Christie, 3138 2782 or email fit.enquiry@qut.edu.au.

Cooperative Education Program

An optional one-year period of paid work experience in an area of information technology is available to eligible full-time students. Students participating in this program enrol in INS010 Cooperative Education Program, a 12 credit point unit which

replaces one Information Technology Elective Unit. Eligibility criteria apply. For further information contact the Faculty of Information Technology Student Services, Level 5, S Block, Gardens Point.

PLEASE NOTE: The following programs for Years 1 to 3 are supplied for your historical record only, as the Science units are no longer offered.

Major in Biochemistry (Contact hours are published as a guide only)

		Credit Points	Contact Hrs/Wk	Location Code	Prerequisite(s)	Corequisite(s)
Year 1, Semester 1						
INB104	Building IT Systems	12	3	GP		
INB210	Databases	12	3	GP		
LSB118	Life Science	12	4	GP		
PCB101	Physical Science	12	4	GP		
Year 1, Semester 2						
INB103	Industry Insights	12	4	GP		
INB270	Programming	12	3	GP		
INB250	Computer Architectures and Systems	12	3	GP		
LSB238	Cell and Molecular Biology 1	12	4	GP	LSB118	EITHER enrolled in, or have completed, LSB118
NRB270	Animal and Plant Structure and Function	12	4	GP	LSB118	
Year 2, Semester 1						
INB251	Networks	12	4	GP		
INB201	Scalable Systems Development	12	3	GP		
INB371	Data Structures and Algorithms	12	3	GP		
MAB101	Statistical Data Analysis	12	4	GP	Senior Mathematics B or equivalent or MAB105	
<i>Either</i>						
PCB140	Introductory Chemistry	12	4	GP		<i>Incompatible with: SA in Year12 Chemistry</i>
<i>Or</i>						
PCB142	Chemistry 1	12	5	GP	EITHER SA or better in Senior Chemistry or PCB101	
Year 2, Semester 2						
INB365	Systems Programming IT Elective Unit	12	3	GP		
LSB258	Human Anatomy and Physiology	12	4	GP	LSB118	LSB238
PCB242	Chemistry 2	12	5	GP	PCB142 or PCB140	
Year 3, Semester 1						
INB372	Agile Software Development IT Elective Unit	12	3	GP		
LSB308	Biochemistry	12	4	GP	LSB238, PCB242	
LSB338	Cell and Molecular Biology 2	12	4	GP	LSB238	LSB308
Year 3, Semester 2						
IT Elective Unit		12				
IT Elective Unit		12				
LSB408	Metabolism	12	4	GP	LSB308	<i>Incompatible with: LSB275, LSB325</i>
LSB468	Molecular Biology	12	4	GP	LSB238	
Year 4, Semester 1						
INB301	Business of IT	12	3	GP	144 Credit points in total inc 96 cp of IT units	
INB350	Internet Protocols and Services	12	3	GP		
LSB508	Advanced Metabolism	12	4	GP	LSB408	
LSB527	Biomedical Research Technologies	12	4	GP	LSB308	
Year 4, Semester 2						
INB302	Capstone Project IT Elective Unit	12	3	GP		
LSB607	Protein Purification	12	4	GP	LSB308	
LSB608	Protein Science	12	4	GP	LSB308	

IT Elective Units: http://www.studentservices.qut.edu.au/pdfs/IT_elective_list.pdf

PLEASE NOTE: The following programs for Years 1 to 3 are supplied for your historical record only, as the Science units are no longer offered.

Major in Biotechnology

		Credit Points	Contact Hrs/Wk	Location Code	Prerequisite(s)	Corequisite(s)
Year 1, Semester 1						
INB104	Building IT Systems	12	3	GP		
INB210	Databases	12	3	GP		
LSB118	Life Science	12	4	GP		
PCB101	Physical Science	12	4	GP		
Year 1, Semester 2						
INB270	Programming	12	3	GP		
INB250	Computer Architectures and Systems	12	3	GP		
INB103	Industry Insights	12	4	GP		
LSB238	Cell and Molecular Biology 1	12	4	GP	LSB118	
NRB270	Animal and Plant Structure and Function	12	4	GP	LSB118	
Year 2, Semester 1						
INB251	Networks	12	4	GP		
INB201	Scalable Systems Development	12	3	GP		
INB371	Data Structures and Algorithms	12	3	GP		
MAB101	Statistical Data Analysis 1	12	4	GP	Senior Mathematics B or equivalent or MAB105	
<i>Either</i>						
PCB140	Introductory Chemistry	12	4	GP		<i>Incompatible with: SA in Year12 Chemistry</i>
<i>Or</i>						
PCB142	Chemistry 1	12	5	GP	EITHER SA or better in Senior Chemistry or PCB101	<i>Incompatible with: PCB140</i>
Year 2, Semester 2						
INB365	Systems Programming IT Elective Unit	12	3	GP		
LSB258	Human Anatomy and Physiology	12	4	GP	LSB118	LSB238
PCB242	Chemistry 2	12	5	GP	PCB140 or PCB142	
Year 3, Semester 1						
INB372	Agile Software Development IT Elective Unit	12	3	GP		
LSB308	Biochemistry	12	4	GP	LSB238, PCB242	<i>Incompatible with: LSB275, LSB325</i>
LSB338	Cell and Molecular Biology 2	12	4	GP	LSB238	LSB308
Year 3, Semester 2						
INB350	Internet Protocols and Services IT Elective Unit	12	3	GP		
LSB468	Molecular Biology	12	4	GP	LSB238	
LSB469	Introduction to Genomics & Bioinformatics	12	4	GP	LSB338	
Year 4, Semester 1						
INB301	Business of IT IT Elective Unit	12	3	GP	144 Credit points in total inc 96 cp of IT units	
LSB503	Medical Cell Biology	12	5	GP	LSB338	<i>Incompatible with: LSB449</i>
<i>Either:</i>						
LSB509	Medical Biotechnology 1	12	4	GP	LSB468	
<i>Or</i>						
LSB577	Plant Biotechnology 1	12	4	GP	LSB468	
Year 4, Semester 2						
INB302	Capstone Project IT Elective Unit	12	4	GP		
<i>Select TWO units from:</i>						
LSB605	Protein Engineering and Bioprocessing	12	4	GP	LSB468	
LSB609	Medical Biotechnology 2	12	5	GP	LSB503 or LSB449	
LSB677	Plant Biotechnology 2	12	4	GP	LSB468	

IT Elective Units: http://www.studentservices.qut.edu.au/pdfs/IT_elective_list.pdf

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Major in Chemistry

		Credit Points	Contact Hrs/Wk	Location Code	Prerequisite(s)	Corequisite(s)
Year 1, Semester 1						
INB104	Building IT Systems	12	3	GP		
INB210	Databases	12	3	GP		
MAB100	Mathematical Sciences 1A	12	4	GP	MAB105 or SA in Senior Maths B or Equivalent	<i>Incompatible with: Prior pass in MAB180, MAB131, HA in Senior Maths C</i>
PCB101	Physical Science	12	4	GP		
Year 1, Semester 2						
INB270	Programming	12	3	GP		
INB250	Computer Architectures and Systems	12	3	GP		
INB103	Industry Insights	12	4	GP		
LSB118	Life Science	12	4	GP		
MAB101	Statistical Data Analysis 1	12	4	GP	Senior Mathematics B or equivalent or MAB105	
Year 2, Semester 1						
INB251	Networks	12	4	GP		
INB201	Scalable Systems Development	12	3	GP		
INB371	Data Structures and Algorithms	12	3	GP		
NRB100	Environmental Science	12	4	GP		
PCB142	Chemistry 1	12	5	GP	EITHER SA or better in Senior Chemistry or PCB101	<i>Incompatible with: PCB140</i>
Year 2, Semester 2						
INB365	Systems Programming IT Elective Unit	12	3	GP		
PCB150	Physics 1H	12	5	GP		
PCB242	Chemistry 2	12	5	GP	PCB140 or PCB142	
Year 3, Semester 1						
INB372	Agile Software Development IT Elective Unit	12	3	GP		
PCB334	Inorganic Chemistry	12	5	GP	PCB142	PCB242
PCB354	Structure and Mechanism in Organic Chemistry	12	5	GP	PCB242	
Year 3, Semester 2						
INB350	Internet Protocols and Services IT Elective Unit	12	3	GP		
PCB405	Principles of Physical Chemistry	12	5	GP	PCB142	
PCB444	Spectroscopy	12	5	GP	PCB354	
Year 4, Semester 1						
INB301	Business of IT IT Elective Unit	12	3	GP	144 Credit points in total inc 96 cp of IT units	
PCB505	Advanced Physical Chemistry	12	4	GP	PCB305	
PCB554	Synthesis and Reactivity in Organic Chemistry	12	4	GP	PCB354, PCB444	
Year 4, Semester 2						
INB302	Capstone Project IT Elective Unit	12	3	GP		
PCB634	Organometallic and Coordination Chemistry	12	4	GP	PCB434	
PCB644	Frontiers in Chemistry	12	5	GP	PCB434	

IT Elective Units: http://www.studentservices.qut.edu.au/pdfs/IT_elective_list.pdf

PLEASE NOTE: The following programs for Years 1 to 3 are supplied for your historical record only, as the Science units are no longer offered.

Major in Ecology

		Credit Points	Contact Hrs/Wk	Location Code	Prerequisite(s)	Corequisite(s)
Year 1, Semester 1						
INB104	Building IT Systems	12	3	GP		
INB210	Databases	12	3	GP		
NRB100	Environmental Science	12	4	GP		
PCB101	Physical Science	12	4	GP		
Year 1, Semester 2						
INB270	Programming	12	3	GP		
INB250	Computer Architectures and Systems	12	3	GP		
INB103	Industry Insights	12	4	GP		
LSB118	Life Science	12	4	GP		
NRB240	History of Life on Earth	12	4	GP		
Year 2, Semester 1						
INB251	Networks	12	4	GP		
INB201	Scalable Systems Development	12	3	GP		
INB371	Data Structures and Algorithms	12	3	GP		
MAB101	Statistical Data Analysis 1	12	4	GP	Senior Mathematics B or equivalent or MAB105	
<i>Either</i>						
PCB140	Introductory Chemistry	12	4	GP		<i>Incompatible with: SA in Year12 Chemistry</i>
<i>Or</i>						
PCB142	Chemistry 1	12	5	GP	EITHER SA or better in Senior Chemistry or PCB101	<i>Incompatible with: PCB140</i>
Year 2, Semester 2						
INB365	Systems Programming	12	3	GP		
IT Elective Unit						
LSB238	Cell and Molecular Biology 1	12	4	GP	LSB118	
NRB270	Animal and Plant Structure and Function	12	4	GP	LSB118	
Year 3, Semester 1						
INB372	Agile Software Development	12	3	GP		
IT Elective Unit						
NRB301	Earth Surface Systems	12	4	GP		
NRB311	Population Ecology	12	4	GP	LSB118 or NRB100	
Year 3, Semester 2						
INB350	Internet Protocols and Services	12	3	GP		
IT Elective Unit						
NRB410	Genetics and Evolution	12	4	GP	LSB118	
NRB412	Experimental Design	12	4	GP	MAB101, NRB311	
Year 4, Semester 1						
INB301	Business of IT	12	3	GP	144 Credit points in total inc 96 cp of IT units	
IT Elective Unit						
NRB510	Population Genetics	12	4	GP	NRB410	
NRB511	Population Management	12	4	GP	NRB311, NRB411	
Year 4, Semester 2						
INB302	Capstone Project	12	3	GP		
IT Elective Unit						
NRB610	Ecological Applications	12	4	GP	NRB510 or NRB511	
NRB611	Conservation Biology	12	4	GP	NRB311, NRB410	

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Major in Environmental Science

		Credit Points	Contact Hrs/Wk	Location Code	Prerequisite(s)	Corequisite(s)
Year 1, Semester 1						
INB104	Building IT Systems	12	3	GP		
INB210	Databases	12	3	GP		
NRB100	Environmental Science	12	4	GP		
PCB101	Physical Science	12	4	GP		
Year 1, Semester 2						
INB270	Programming	12	3	GP		
INB250	Computer Architectures and Systems	12	3	GP		
INB103	Industry Insights	12	4	GP		
LSB118	Life Science	12	4	GP		
NRB240	History of Life on Earth	12	4	GP		
Year 2, Semester 1						
INB251	Networks	12	4	GP		
INB201	Scalable Systems Development	12	3	GP		
INB371	Data Structures and Algorithms	12	3	GP		
MAB101	Statistical Data Analysis 1	12	4	GP	Senior Mathematics B or equivalent or MAB105	
<i>Either</i>						
PCB140	Introductory Chemistry	12	4	GP		<i>Incompatible with: SA in Year 12 Chemistry</i>
<i>Or</i>						
PCB142	Chemistry 1	12	5	GP	EITHER SA or better in Senior Chemistry or PCB101	<i>Incompatible with: PCB140</i>
Year 2, Semester 2						
INB365	Systems Programming	12	3	GP		
IT Elective Unit						
NRB270	Animal and Plant Structure and Function	12	4	GP	LSB118	
<i>Either</i>						
PCB414	Industrial & Environmental Analytical Chemistry	12	5	GP	PCB142	
<i>OR</i>						
SCB222	Exploration of the Universe	12	5	GP		
Year 3, Semester 1						
INB372	Agile Software Development	12	3	GP		
IT Elective Unit						
NRB301	Earth Surface Systems	12	5	GP		
NRB311	Population Ecology	12	4	GP	LSB118, NRB100	
Year 3, Semester 2						
INB350	Internet Protocols and Services	12	3	GP		
IT Elective Unit						
NRB412	Experimental Design	12	4	GP	MAB101, NRB311	
NRB440	Environmental Chemistry	12	4	GP	72cp Science units including PCB140 or PCB142	
Year 4, Semester 1						
INB301	Business of IT	12	3	GP	144 Credit points in total inc 96 cp of IT units	
IT Elective Unit						
NRB500	Environmental Systems and Modelling	12	4	GP	48cp Level 2 Science units	
NRB601	Field Mapping & Monitoring of Natural Resources	12	4	GP	72cp Level 2 Science units	
Year 4, Semester 2						
INB302	Capstone Project	12	4	GP		
IT Elective Unit						
NRB501	Spatial Analysis of Environmental Systems	12	4	GP	72cp Science units	
NRB600	Sustainable Environmental Management	12	4	GP	48cp Level 2 Science units	

PLEASE NOTE: The following programs for Years 1 to 3 are supplied for your historical record only, as the Science units are no longer offered.

Major in Forensic Science

		Credit Points	Contact Hrs/Wk	Location Code	Prerequisite(s)	Corequisite(s)
Year 1, Semester 1						
INB104	Building IT Systems	12	3	GP		
INB210	Databases	12	3	GP		
LSB118	Life Science	12	4	GP		
PCB101	Physical Science	12	4	GP		
Year 1, Semester 2						
INB270	Programming	12	3	GP		
INB250	Computer Architectures and Systems	12	3	GP		
INB103	Industry Insights	12	4	GP		
MAB101	Statistical Data Analysis	12	4	GP	Senior Maths B or equivalent or MAB105	
PCB140	Introductory Chemistry	12	4	GP		<i>Incompatible with: SA in Year 12 Chemistry</i>
<i>Either</i>						
PCB142	Chemistry 1	12	5	GP	EITHER SA or better in Senior Chemistry or PCB101	<i>Incompatible with: PCB140</i>
Year 2, Semester 1						
INB251	Networks	12	4	GP		
INB201	Scalable Systems Development	12	3	GP		
INB371	Data Structures and Algorithms	12	3	GP		
MAB100	Mathematical Sciences 1A	12	4	GP	MAB105 or SA in Senior Maths B or equivalent	<i>Incompatible with: Prior pass in MAB180, MAB131, HA in Senior Maths C</i>
PCB242	Chemistry 2	12	5	GP	PCB140, PCB142	
Year 2, Semester 2						
INB365	Systems Programming IT Elective Unit	12	3	GP		
LSB238	Cell & Molecular Biology 1	12	4	GP	LSB118	
NRB270	Animal and Plant Structure and Function	12	4	GP	LSB118	
Year 3, Semester 1						
INB372	Agile Software Development IT Elective Unit	12	3	GP		
LSB468	Molecular Biology	12	4	GP	LSB238	
SCB384	Crime Scene & Forensic Science	12	4	GP		
Year 3, Semester 2						
INB350	Internet Protocols and Services IT Elective Unit	12	3	GP		
JSB979	Forensic Science Evidence	12	3	GP		
PCB414	Industrial and Environmental Analytical Chemistry	12	5	GP	PCB142	
Year 4, Semester 1						
INB301	Business of IT IT Elective Unit	12	3	GP	144 Credit points in total inc 96 cp of IT units	
PCB514	Instrumental Analysis	12	5	GP	PCB242, PCB414	
B584	Forensic Examination of Physical Evidence	12	4	GP	PCB414, SCB384	
Year 4, Semester 2						
INB302	Capstone Project IT Elective Unit	12	3	GP		

LSB684	Forensic DNA Profiling	12	4	GP	LSB468, SCB384
PCB684	Forensic Analysis & Toxicology	12	5	GP	PCB242, PCB514

IT Elective Units: http://www.studentservices.qut.edu.au/pdfs/IT_elective_list.pdf

PLEASE NOTE: The following programs for Years 1 to 3 are supplied for your historical record only, as the Science units are no longer offered.

Major in Geoscience

		Credit Points	Contact Hrs/Wk	Location Code	Prerequisite(s)	Corequisite(s)
Year 1, Semester 1						
INB104	Building IT Systems	12	3	GP		
INB210	Databases	12	3	GP		
MAB100	Mathematical Sciences 1A	12	4	GP	MAB105 or SA in Senior Maths B or equivalent	<i>Incompatible with: Prior pass in MAB180, MAB131, HA in Senior Maths C</i>
NRB230	Planet Earth	12	4	GP		
Year 1, Semester 2						
INB270	Programming	12	3	GP		
INB250	Computer Architectures and Systems	12	3	GP		
INB103	Industry Insights	12	4	GP		
MAB101	Statistical Data Analysis	12	4	GP	Senior Maths B or equivalent or MAB105	
PCB101	Physical Science	12	4	GP		
Year 2, Semester 1						
INB251	Networks	12	4	GP		
INB201	Scalable Systems Development	12	3	GP		
INB371	Data Structures and Algorithms	12	3	GP		
NRB100	Environmental Science	12	4	GP		
<i>Either</i>						
PCB140	Introductory Chemistry	12	4	GP		<i>Incompatible with: SA in Year 12 Chemistry</i>
<i>Or</i>						
PCB142	Chemistry 1	12	5	GP	EITHER SA or better in Senior Chemistry or PCB101	<i>Incompatible with: PCB140</i>
Year 2, Semester 2						
INB365	Systems Programming IT Elective Unit	12	3	GP		
NRB240	History of Life on Earth	12	4	GP		
NRB440	Environmental Chemistry	12	4	GP	72cp Science Units Incl PCB140 or PCB142	
Year 3, Semester 1						
INB372	Agile Software Development IT Elective Unit	12	3	GP		
NRB331	Sedimentary Geology	12	4	GP	NRB230	NRB333
NRB333	Mineralogy	12	4	GP		
Year 3, Semester 2						
INB350	Internet Protocols and Services IT Elective Unit	12	3	GP		
NRB434	Structural Geology	12	4	GP	NRB331	
NRB436	Intro to Igneous & Metamorphic Petrology	12	4	GP	NRB333	<i>Incompatible with: NRB432</i>
Year 4, Semester 1						
INB301	Business of IT IT Elective Unit	12	3	GP	144 Credit points in total inc 96 cp of IT units	
NRB534	Geophysics	12	4	GP	NRB230, NRB434	
NRB536	Petrology and Geochemistry	12	4	GP	NRB436	<i>Incompatible with: NRB530</i>
NRB601	Field Mapping & Monitoring of Natural Resources	12	4	GP	72cp Level 2 Science units	
<i>* The major component in assessment and teaching of this unit is conducted as a field program during July</i>						
Year 4, Semester 2						
INB302	Capstone Project IT Elective Unit	12	3	GP		
NRB633	Hydrogeology	12	4	GP	NRB230, PCB140 or PCB142, NRB301 or NRB440	
NRB635	Plate Tectonics and Advanced Structural Geology	12	4	GP	NRB434, NRB331, NRB432 & NRB534	

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Major in Microbiology

		Credit Points	Contact Hrs/Wk	Location Code	Prerequisite(s)	Corequisite(s)
Year 1, Semester 1						
INB104	Building IT Systems	12	3	GP		
INB210	Databases	12	3	GP		
LSB118	Life Science	12	4	GP		
PCB101	Physical Science	12	4	GP		
Year 1, Semester 2						
INB270	Programming	12	3	GP		
INB250	Computer Architectures and Systems	12	3	GP		
INB103	Industry Insights	12	4	GP		
LSB238	Cell Biology	12	4	GP	LSB118	
NRB270	Animal and Plant Structure and Function	12	4	GP	LSB118	
Year 2, Semester 1						
INB251	Networks	12	4	GP		
INB201	Scalable Systems Development	12	3	GP		
INB371	Data Structures and Algorithms	12	3	GP		
MAB101	Statistical Data Analysis 1	12	4	GP	Senior Maths B or equivalent or MAB105	
<i>Either</i>						
PCB140	Introductory Chemistry	12	4	GP		<i>Incompatible with: SA in Year 12 Chemistry</i>
<i>Or</i>						
PCB142	Chemistry 1	12	5	GP	EITHER SA or better in Senior Chemistry or PCB101	<i>Incompatible with: PCB140</i>
Year 2, Semester 2						
INB365	Systems Programming IT Elective Unit	12	3	GP		
LSB258	Human Anatomy and Physiology	12	4	GP	LSB118	LSB238
PCB242	Chemistry 2	12	6	GP	PCB140 or PCB142	
Year 3, Semester 1						
INB372	Agile Software Development IT Elective Unit	12	3	GP		
LSB308	Biochemistry	12	4	GP	LSB238, PCB242	
LSB328	Microbiology 1	12	4	GP	LSB118, PCB242	
Year 3, Semester 2						
INB350	Internet Protocols and Services IT Elective Unit	12	3	GP		
LSB428	Microbiology 2	12	4	GP	LSB328	
LSB468	Molecular Biology	12	4	GP	LSB238	
Year 4, Semester 1						
INB301	Business of IT IT Elective Unit	12	3	GP	144 Credit points in total inc 96 cp of IT units	
<i>TWO units from</i>						
LSB528	Environmental Microbiology	12	4	GP	LSB328	
LSB547	Bacterial Pathogenesis and Disease Diagnosis	12	4	GP	LSB328	
LSB568	Electron Microscopy	12	4	GP		
LSB578	Virology	12	4	GP	LSB328, LSB468	
Year 4, Semester 2						
INB302	Capstone Project IT Elective Unit	12	3	GP		
<i>TWO units from</i>						
LSB628	Food Microbiology	12	4	GP	LSB328	
LSB647	Clinical Mycology and Parasitology	12	4	GP	LSB328	
LSB648	Molecular Microbiology	12	5	GP	LSB328, LSB468	

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Major in Physics

		Credit Points	Contact Hrs/Wk	Location Code	Prerequisite(s)	Corequisite(s)
Year 1, Semester 1						
INB104	Building IT Systems	12	3	GP		
INB210	Databases	12	3	GP		
PCB101	Physical Science	12	4	GP		
MAB111	Mathematical Sciences 1B	12	4	GP	MAB100 or SA in Senior Maths C	<i>Incompatible with: MAB131, MAB180</i>
Year 1, Semester 2						
INB270	Programming	12	3	GP		
INB250	Computer Architectures and Systems	12	3	GP		
INB103	Industry Insights	12	4	GP		
MAB112	Mathematical Sciences 1C	12	4	GP		MAB111
Year 2, Semester 1						
INB251	Networks	12	4	GP		
INB201	Scalable Systems Development	12	3	GP		
INB371	Data Structures and Algorithms	12	3	GP		
MAB311	Advanced Calculus	12	4	GP	MAB111 and MAB112 or MAB132	
PCB107	Physics and Quantitative Techniques	12	4	GP		
Year 2, Semester 2						
INB365	Systems Programming IT Elective Unit	12	3	GP		
MAB101	Statistical Data Analysis	12	4	GP	Senior Maths B or equivalent or MAB105	
PCB250	Physics 1	12	4	GP	PCB101 or PCB107	
PCB260	Physics 1A	12	4	GP	(PCB101 or PCB107) and MAB111	
Year 3, Semester 1						
INB372	Agile Software Development IT Elective Unit	12	3	GP		
PCB361	AC Theory and Electronics	12	4	GP	(MAB111, PCB250	
PCB362	Physics 2	12	4	GP	PCB250 and (MAB112 or MAB132)	
Year 3, Semester 2						
INB350	Internet Protocols and Services IT Elective Unit	12	3	GP		
PCB460	Instrumentation and Computational Methods	12	4	GP	PCB361	
PCB462	Thermodynamics & Solid State Physics	12	4	GP	PCB250 and (MAB134 or MAB311)	
Year 4, Semester 1						
INB301	Business of IT IT Elective Unit	12	3	GP	144 Credit points in total inc 96 cp of IT units	
PCB561	Quantum and Condensed Matter Physics	12	4	GP	PCB462 and (MAB134 or MAB311)	
PCB562	Physical Methods of Analysis	12	5	GP	MAB112 or MAB132, PCB462	
Year 4, Semester 2						
INB302	Capstone Project IT Elective Unit	12	3	GP		
PCB661	Experimental Physics	12	4	GP	PCB361, PCB460	
PCB665	Physics 3	12	4	GP	PCB362, PCB462	

IT Elective Units: http://www.studentservices.qut.edu.au/pdfs/IT_elective_list.pdf