tertiary prerequisites 2006

A QTAC Summary of Selection Criteria for entry to Universities, TAFE Qld and Colleges

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Queensland Tertiary Admissions Centre Limited
A.C.N. 050 542 633

This publication includes information provided by participating institutions and other bodies, and is up to date as at June 2003 for courses expected to be offered through QTAC in 2006. The information provided includes general application procedures as well as the prerequisite subjects and other requirements, such as portfolio and audition, that institutions have stated as necessary for entry into courses in 2006. However, the information provided is a 'window only' and is subject to change. For detailed information applicants should contact the institutions themselves.

In the preparation of these pages, every effort has been made to offer the most current, correct, and clearly expressed information possible. However, inadvertent errors can occur, and applicable laws, rules and procedures often change. Therefore QTAC accepts no responsibility for any loss, damage, cost or expense incurred by readers as a result of any error, omission or misrepresentation in this publication.

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CONTENTS

How To Use This Book

to qualify for University, TAFE or College entry

Follow these steps before you choose your Year 11 and 12 subjects:

1. **USE** *Section One* to find out more about: the **Student Education Profile (SEP)**; the importance of your **Overall Position (OP)**; **Field Positions (FPs)**; the **Queensland Core Skills (QCS) Test**; and the **tertiary selection process** in general.

2. **REFER** to *Section Two* to investigate your ***Areas of Interest*** and for a quick guide to tertiary courses available. Decide which areas most interest you and which you would like to pursue as a career.

3. **USE** *Section Three* to check out the **tertiary courses** that relate to your Area of Interest. These are listed by institution.

4. **CHECK** *Section Three* for the ***Course Entry Requirements*** to the courses that interest you. This section has information about subject prerequisites, other requirements such as portfolios and auditions, and tables that show the priority given to particular Field Positions for each course.

Year 10 is the time to look ahead seriously and choose your Senior subjects with future study and career in mind.

As you take your first classes in semester two, you probably have some general idea of what kind of job you might like to do or what interests you might like to follow after your secondary schooling is over. If your choice of work or academic interests call for additional education, either at university, TAFE or college level, you will need to make some decisions now about the subjects in Years 11 and 12 which will help you get into the courses that allow you to follow your dreams.

Certainly the advice from Year 12s who have finished their schooling is that Year 11 and Year 12 start moving pretty quickly and before you know it, it's come to an end.

The kind of planning needed to make successful subject choices and career decisions takes time, thought and research into the wide range of options available. Subject choice is a personal decision that requires you to think carefully about what you are good at and what genuinely interests you. Take time to think about possible careers and use the people around you including parents, teachers and other advisers and experts such as guidance officers/counsellors to discuss your interests, concerns and future plans. The options available continue to expand, so it is important to consider the whole range that is available to you.

The Tertiary Prerequisites book

Tertiary Prerequisites: A QTAC Summary of Selection Criteria for entry to Universities, TAFE Qld and Colleges is written to help you, and all the people who can advise you, make your trek towards tertiary study easier, more realistic, and ultimately more effective.

The book is a great resource that will assist you in exploring the more than 1200 courses available through QTAC's participating institutions. Courses available through QTAC range from certificate courses that may take less than a year to complete, to degree courses that may take three, four or five years to complete. The types of courses available are also very different in terms of how much practical or theoretical study is involved. Usually the shorter courses are the more 'hands-on', while the longer courses tend to involve a greater combination of both theory and practice.

Tertiary Prerequisites aims to provide an overview of the courses that institutions expect to be available in 2006 and, most importantly, it provides a detailed 'map' of the requirements for entry to these courses. Even though 2006 seems a lifetime away right now, most of you will finish Year 12 in 2005 and will be applying in August/September that year for study in 2006.

The prerequisites listed are subjects, depending on what direction you choose, that should be studied in Years 11 and 12 and are linked to the exit assessment levels required at the end of your Senior study. The book also gives other requirements, such as portfolio requirements, that you will need to present when you apply.

In brief, what all this comes down to, is that you will need to consider the areas of tertiary study that appeal to you, identify the requirements for entry to these courses, and then plan your Senior years with this in mind.

Aside from Queensland Year 10 students, the book will also be useful to prospective applicants from all over Australia who may be contemplating tertiary study in Queensland, northern New South Wales or at the Australian Maritime College, Tasmania, in 2006.

While the book provides a very good guide to the courses expected to be available in 2006, new courses will inevitably be added and some will be withdrawn. The *QTAC Guide*, available in Year 12, will keep you informed about the choices available.

Interest Areas

An important activity in planning your future is considering what you are interested in. This may be easier than identifying a specific course that is 'right for you'. *Tertiary Prerequisites* directs you to your areas of interest, outlines some of the career outcomes, and shows you what courses are available at QTAC's participating institutions. The 11 interest areas are: Built Environment and Design, Business and Tourism, Creative and Performing Arts, Education, Engineering and Technology, Health and Recreation, Humanities and Social Sciences, Information Technology, Law, Primary Industries and Environment, and Sciences.

Institution Course Entry Requirements

Section 3 of the book is set out as a table, on an institution-by-institution basis, with each course entry detailing how long the course will take to complete, the entry requirements for that course, and the Field Positions that will be used should additional information in addition to the Overall Position be required.

Spend some time considering the wide range of courses available and the institutions offering them. Take the time to find out not only the requirements for admission to courses but also the locations of the institutions, as attendance at some institutions may involve extensive travel and perhaps even living away from home.

You will find one of the factors which will help in your Senior subject decision-making is that generally courses in the same area or field of study require the same or similar subject prerequisites. You will note that in some cases subjects are listed under prerequisites as *assumed knowledge* or *recommended* study. These categories indicate that undertaking such subjects in Years 11 and 12 would be beneficial, and often vital, especially in the case of *assumed knowledge*, but are not essential for admission to that course. See page 4, under the heading ***Choosing Senior Subjects*** for definitions of *assumed knowledge* and *recommended* study.

Full fee-paying courses

As a result of higher education reforms, increasing numbers of courses have been offered on a full fee-paying basis. Courses currently offered on this basis have been indicated in the course tables in section 3 (see also 'Reading a typical course entry', page 6). It is likely that by 2006 many more courses will be available on a full fee-paying basis. Actual course costs have not been specified as these may differ widely by the date of availability. For more information, call the individual institutions.

Applying through QTAC

This book is produced by QTAC, the Queensland Tertiary Admissions Centre Ltd. If you are planning to go on to tertiary study at a university in Queensland (including Bond University) or northern NSW, at TAFE Qld, the Australian Maritime College, Tasmania, the Agricultural Colleges of Queensland, the Australian College of Natural Medicine, QANTM, or the Queensland Institute of Business and Technology, you will apply through QTAC towards the end of Year 12.

The advantage of applying through QTAC is that you can apply for up to six different courses on the one application — made through QTAC's special Twelve To Tertiary online application service or the QTAC Telephone Application Service.

Having several course preferences means that you can apply for a number of suitable courses and have several options if you don't get your first choice. If you are made an offer of a tertiary place, it will be in your highest preference for which you qualify for admission.

Taking the step

Once you have taken time to consider your goals, your subject selection will set you on the path to achieving those goals. Like any journey, there will be unexpected bridges to cross, and at these points you will need to pause and reflect on your path so far and, if necessary, modify your goals. The point to remember, though, is that in most cases the bridges can be crossed. So remain calm and rest assured that once you have chosen your course of study there is always a way of getting there.

THE STUDENT EDUCATION PROFILE

All schooling and information relating to schooling falls under the Queensland Studies Authority.

There are three categories of learning which fall under the QSA: Authority subjects; Authority-registered subjects; and Recorded subjects. The definitions of these are:

Authority subjects – an area of learning (a) for which – (i) there is an approved syllabus; and (ii) a work program that has been approved by the authority; and (b) the authority's procedures for moderation take place.

Authority-registered subjects – an area of learning (a) for which a work program has been approved by the authority; and (b) in which a person's results are NOT subject to the authority's procedures for moderation.

Recorded subjects – (a) a recordable non-authority area of learning, eg AMEB; or (b) a vocational education program.

The exit levels of achievement in section 3 of this book, eg English (4,SA) and Maths B (4,SA), unless otherwise stated are given in terms of Authority subjects.

Year 12 Certification

If you are completing Year 12 in Queensland, you are currently considered for entry to tertiary courses based on the Student Education Profile (SEP), issued in December.

The **SEP** is made up of two documents — the **Senior Certificate** and the **Tertiary Entrance Statement**.

Every student completing Year 12 in Queensland receives a Senior Certificate, issued by the Queensland Studies Authority.

The **Senior Certificate** shows the results of your studies in Years 11 and 12, and your individual result in the Queensland Core Skills (QCS) Test, if you sit the test.

The **Tertiary Entrance Statement** is also issued by the QSA, but to OP eligible students only. It reports your Overall Position (OP) in one of 25 bands from one, the highest, through to 25.

It also reports your Field Positions, which show your achievement in up to five areas of study, such as written expression and numeracy skills, from one, the highest, to 10, the lowest.

By way of further explanation, your Overall Position (OP) is a statewide rank order of students based on their achievement in Authority subjects. It shows how well students performed in their Senior studies when compared with the performance of all other OP eligible students in the state. Calculating an OP, for a typical OP eligible student in a typical school, involves the following steps:

- Achievement at school
- Your school determines your Subject Achievement Indicators, known as SAIs
- These show your position relative to other OP eligible students in your school in each Authority subject you studied
- You sit for the Queensland Core Skills (QCS) Test
- Your SAIs for each subject are scaled based on the QCS Test results of each group of students you studied with in your school
- Your best five scaled SAIs are determined
- These best five SAIs are averaged to give an Overall Achievement Indicator, known as an OAI
- Your OAI is now scaled by using your school's overall QCS Test results
- Your scaled OAI is now determined
- Your scaled OAI is ranked with those of all other OP eligible students across the state and banded into one of the 25 OP bands. The band you fall into is your OP

Your OP, together with subject prerequisites and other requirements, such as portfolios and interviews, are very important in determining what tertiary study courses you gain entry to.

Field Positions, on the other hand, are only used when the competition is such that decisions need to be made between two or more applicants with the same OP at the cut off point. In this situation more information is needed to choose between them for entry to certain courses.

The Field Positions, then, act as 'finer tuning' when selection within an OP band must be made to separate students with the same OP. The five Field Positions are:

Field A = Extended written expression involving complex analysis and synthesis of ideas.

Field B = Short written communication involving reading, comprehension and expression in English or a foreign language.

Field C = Basic numeracy involving simple calculations and graphical and tabular interpretation.

Field D = Solving complex problems involving mathematical symbols and abstractions.

Field E = substantial practical performance involving physical or creative arts or expressive skills.

Field Positions measured from one, the highest, to 10, the lowest, indicate that students for a particular course have the required skills for that course.

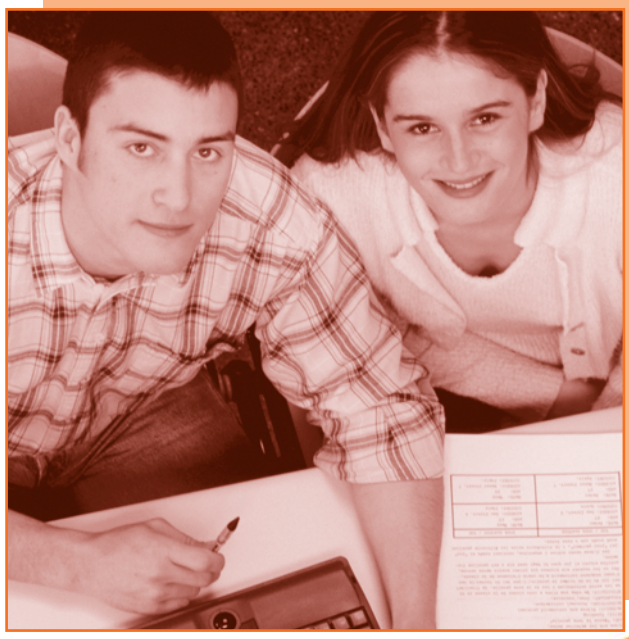
To explain this further, different subjects cover different fields in varying degrees. For example, Maths B and Maths C will have a greater degree of coverage of Fields C and D than English or History. On the other hand, English and History will have a greater coverage of Fields A and B than Maths B or C.

Also read the section on page 4, ***How You are Selected for Tertiary Study***.

If you do not qualify for an OP you will be considered on the basis of your academic achievements and your results in the QCS Test, if you sit it.

Students in this category are considered for entry principally to TAFE institute and college courses. This is not to say that OP ineligible students can't successfully gain entry to some university courses, only that it is not the usual way of getting there.

If you fall into this category you should also read the section, How You Are Selected for Tertiary Study, under the sub-heading OP Ineligible Students.



CHOOSING SENIOR SUBJECTS

If you intend going on to tertiary study you should be aware that the main selection criteria are your Overall Position and successful completion of subject prerequisites.

However, there are two other subject categories, *assumed knowledge* and *recommended*, which are not essential to course entry, but are considered necessary to success in the particular course. Definitions of these are set out below.

Subject prerequisites are the subjects you study in Year 11 and Year 12 that are stated by universities, TAFE and colleges as necessary for you to complete at the required level to qualify for entry to particular courses. (Some exceptions exist for students achieving extremely competitive OPs.)

Subjects that are *assumed*: assumed knowledge is the minimum level of achievement in Senior studies (or equivalent) considered necessary for successful first year tertiary study. Students lacking the assumed level of knowledge are not prevented from enrolling; however, they may be disadvantaged unless they undertake any recommended bridging, preparatory or appropriate introductory subjects prior to or during their first year of study. Further information is available from the Admissions Office of the institution concerned.

Subjects that are *recommended*: subjects recommended in order to undertake a course successfully. These subjects are not entry requirements and do not affect applicant selection.

You should choose your Year 11 and Year 12 subjects based on the prerequisite as well as the assumed and the recommended level of knowledge required for the courses you are interested in. To do this best, we strongly advise that in making your choice, you:

(a) select prerequisite subjects for tertiary courses in which you are interested; and

(b) choose the remainder of your Senior subjects by what you do best and what you prefer to do.

In this way you are likely to achieve your best possible result.

If you still remain undecided on your subject choices, then go back through the Areas of Interest trying to select areas you find appealing. Cross-reference these to courses of study and consider the prerequisite subjects that you will need to gain entry. Also consider other necessary subjects that will help you to start and complete the courses successfully.

Your parents, guidance officers/school counsellors or other school staff can also help you with this.

HOW YOU ARE SELECTED FOR TERTIARY STUDY

OP Eligible Students

Selection for tertiary study, except in some cases where alternative selection methods are used, is based on your academic results as shown in the Student Education Profile.

To be considered for admission on the basis of an overall position you must have:

- obtained an Overall Position (OP); and
- reached the achievement level required in the necessary prerequisite subjects

Step A

If you have satisfied the prerequisite subjects and have obtained an OP, you are considered for entry to your selected tertiary course in order of OP — remember that OP band 1 is the highest and will therefore be considered before OP band 2, and so on (see Table 1 next page).

Step B

All applicants who fall into an OP band above the minimum cut-off point for a particular course will be offered a place in that course (see Table 1).

Step C

If there are more applicants than places available for a course (as Table 1 shows), then selection based on one or more Field Positions, starting with the Primary field, has to be used to differentiate between students with the same OP. This happens at the OP cut-off, which in Table 1 is in the OP 3 band. Examples of how Field Positions are used follow below.

Step D

In rare cases, even after Field Positions have been considered, it can happen that more information is needed to differentiate between students applying to courses with highly competitive entry.

In these instances a further step may be used. This could include use of any of the following: level of achievement in prerequisite subjects, school reports or additional information supplied by the applicant, and, if approved by the particular institution, individual results from the Queensland Core Skills Test.

Table 1

Table 1 is a fictional example presenting students who, say, want to study Law at 'Roma University'. There are 150 places available (that is Course Quota Total) and 225 students competing for places in the course. Twenty-five applicants have an OP 1, 100 have an OP 2, and a further 100 have an OP 3. The cut-off or minimum OP band required for entry to this course turns out to be OP 3.

Based on this scenario, the table shows how students are actually selected. It also shows at what point, and how, Field Positions become important at the cut-off points in selecting students to courses.

Table 1

No. of Applicants within an OP band	No. of offers made	Course Quota Total = 150
OP 1 25 applicants	25 offers made	Cumulative total = 25
OP 2 100 applicants	100 offers made	Cumulative total = 125
OP 3 100 applicants — this is where FPs become important as selection now has to be made using FPs — Read Step C	25 offers made	Cumulative total = 150 — Quota cut-off, that is course filled
Total applicants = 225 **75 applicants from OP band 3 will not receive an offer**	**Total offers made = 150**	**75 applicants in OP band 3 do not receive an offer**

Use of Field Positions

In section 3, ***Course Entry Requirements***, you will notice that the final two columns in the table are headed: **Fields used for Selection within OP**. These are the columns that indicate which fields will be used for selection to particular courses when the number of applicants in the OP cut-off band is too large for all candidates to be selected.

The first of these two columns shows the Primary, that is the first, field to be used for 'finer' selection of candidates with the same OPs. The second column, showing the Secondary field, will be used only if the first field is not fine enough (see examples below).

Example 1.

Fields used for Selection within OP	
Primary	Secondary
B	C

Using this example, your Field Position result in Field B will be considered before your Field Position result in Field C. Following from this, applicants with a Field Position of 1 in Field B will be selected before those with a Field Position of 2 in Field B, and so on.

If looking at the Primary field does not prove to be fine enough then your results in the Secondary column, in this case Field C, will be considered next. Once again, a Field Position of 1 in Field C will be considered before a Field Position of 2 in Field C, and so on.

Example 2.

Primary	Secondary
A or B	C

In this example, two possible fields (Field A or B) are used as alternative Primary selectors. And in this case, for someone who has a Field Position of 1 in Field A and a Field Position of 2 in B, the Primary selector used would be Field A, that is, the better of the two. If this is not fine enough, then the Secondary field, in this case C, would be used.
Applicants in this situation are selected on the Primary field in which they achieved the better result.

Example 3.

Primary	Secondary
B and C	C

In this example, the
Primary selector shows two fields used in combination. Assume that one student achieved a 3 in Field Position B and a 2 in Field Position C. In this case Field Position B (3) would be used as the Primary selector as it is the lowest score. If a Secondary selector was required Field Position C (2) would be used.

In other words, when the above example is used as the process for finer selection, you need to have performed strongly in both fields.

Remember that applicants who fall into higher OP bands, that is in OP bands above the minimum cut-off for a particular course, will be made offers regardless of their results in the relevant Field Positions, as long as they have the necessary prerequisites and meet any other special requirements.

OP Ineligible Students

Students who do not qualify for an Overall Position yet have 20 semester units of study, will be considered for tertiary entry on the basis of their Senior Certificate which shows their results in Authority, Authority-registered and Recorded subjects, as well as their results in the QCS test, if they sit it.

Students must also have completed any prerequisite subjects and other requirements and gained the necessary standard, or exit level, in those subjects, eg 'Sound Achievement' in English or Maths B over the specified number of semesters, eg four semesters.

Year 12 students with qualifications such as traineeships, certificates, etc, apply to QTAC in the same way as other Year 12 students, but they must ensure they supply full copies of qualifications that are not listed on the Senior Certificate. These qualifications will be assessed according to the tertiary institutions' policies.

Other Roads to Tertiary Study

Where it is suitable, tertiary institutions may assess an applicant on a portfolio of work, an audition or an interview. Applicants in this category would normally be applying for entry to skills-based courses such as art, music, and dance.

OP MINIMUM CUT-OFFS — EXPLANATORY NOTE

Any guide to OP cut-offs you may use, such as that in the QTAC Guide: Tertiary Courses 2004 book, which is available in schools, remains a guide only as actual cut-offs can only be worked out 'on the day'.

For example, a course that shows a past cut-off at OP 3, could end up being 'cut off' at the OP band 2 level in the year that you apply, depending on the number of students applying for the course, the standard of their OP/QTAC Selection Rank results, and the number of places available in the course.

The measures, or variables, used in the calculation for selection in each course are:

- **Demand** — the number applying for the course;
- **Quality** — the quality of those applicants (that is their OP level); and
- **Supply** — the number of places available for the course.

(See Table 1)

It can be seen from this that it is impossible to predict the OP minimum cut-offs until all the applications for a particular course have been lodged — and this only occurs well into the application period, taking into account late and special consideration applications.

It is also important to remember that the cut-off only reflects the past minimum standard and that most students entering the course received higher OPs than the minimum.

For a guide to OP and selection rank cut-offs for most courses, see section 3 of the current issue of the *QTAC Guide* or visit the QTAC website and look under courses.

NUMBER OF STUDENTS WHO GAINED ENTRY INTO TERTIARY COURSES

For entry to tertiary courses in 2003, QTAC received 22,796 applications from students who completed Queensland Year 12 in 2002. Of these, 21,599 applications were from students with an OP. Of these, 15,111 (70%) gained entry to university courses, 3499 (16.2%) to TAFE courses and 703 (3.3%) to college courses.

Also for entry to courses in 2003, QTAC received 1197 applications from students without an OP. Of these, 140 (11.7%) gained entry to university courses, 747 (62.4%) to TAFE courses and 87 (7.3%) to college courses.

These figures include students who may have received an offer on the basis of alternative selection criteria, for example, a portfolio, audition, alternative admission, or special consideration of educational disadvantage.

Reading a typical tertiary course entry

This diagram will help you follow the information in the tables that appear for all QTAC participating institutions in section 3.

Length of course and mode of study, eg full-time (F), part-time (P), or via distance education (X)

This column tells you what subjects and exit achievements, or other requirements you will need, to be eligible for entry into a course

Name of course

Course Title	Course Duration in Years	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP: Primary	Fields used for Selection within OP: Secondary
B Laws *hecs/fee*	4F *or* 8P *or* 8X	English (4,SA)	A	B

Refers to the Higher Education Contribution Scheme in which fees for courses are set by the Federal Government. The 'hecs/fee' combination is only used where there are HECS as well as full fee-based places available

These are fees for courses set by institutions, and must be paid upfront, either per subject, per semester, per year, or in total. Unless otherwise indicated, all courses at universities are Higher Education Contribution (HECS) places with the fee set by the Federal Government

Field Positions that will be used if not everyone can be made an offer within an OP band

This section provides a brief description of each area of interest together with a list of courses arranged according to interest area and institution. Subject prerequisite information is outlined in section 3: Course Entry Requirements.

Abbreviations for course titles as follows:

B	Bachelor's Degree
AB	Associate Degree
AdvD	Advanced Diploma
D	Diploma
C	Certificate

BUILT ENVIRONMENT & DESIGN

Architecture is the art of designing buildings and groups of buildings, and overseeing their construction. Architects prepare designs and drawings within client specifications and safety regulations. Their designs have to incorporate both the structural and mechanical aspects of building within an aesthetic framework. They prepare documents detailing the particular building materials and construction equipment required, and interior fittings for particular buildings or complexes. They observe and coordinate the construction of the building. Architects regularly consult with other specialists to create designs that reflect contemporary trends in society.

Architectural drafting/building design mainly involves assisting architects in a technical capacity. Architectural drafters/technicians produce detailed drawings of an architect's initial sketch plans. They also calculate and provide estimates of materials, labour and completion dates based on an architect's original designs. They usually use computers to produce their designs and intricate drawings. They liaise with government representatives, inspect potential building sites, and supervise the progress of construction sites in the absence of an architect. Graduates can find employment with architectural and planning firms in the private sector and in various departments of the State and Federal governments. Employment may also be found with engineering firms and large building corporations.

Building/construction management is concerned with the management and integration of specialist workers and resources. It involves the planning, organising, coordinating, motivating and controlling of all activities involved in the complex construction process and in building development. This requires a detailed understanding of the principles and practice of building technology, building economics, law, and construction management. Employment is usually found in government departments, construction and building companies, and sub-contracting companies.

Building surveying/inspecting encompasses the products and processes involved in the construction industry as well as the management, law and science behind them. The role of a building surveyor is to enforce, advise on, and interpret laws and regulations controlling building and construction. Their duties include: inspecting existing buildings and buildings under construction to ensure safety standards and building regulations and codes of practice are adhered to; issuing building permits to individuals and organisations; and advising individuals and organisations on building matters and potential problems. Employment can be found with local government authorities, the Queensland Department of Public Works, and the Builders' Registration Board.

Geographic Information Systems are computer systems capable of assembling, storing, manipulating, and displaying layers of geographically referenced information, identified according to their locations. Geographic information systems are used in land use planning, mapping, surveying, utilities management, ecosystems modelling, landscape assessment and planning, transportation and infrastructure planning, market analysis, visual impact analysis, real estate analysis and many other applications.

Industrial design is the art of designing objects for daily use, particularly those which are mass produced by industrial techniques. The design process involves analysis of the likely demand for a product and the creative application of innovative ideas. This is balanced by a knowledge of materials and production methods, resulting in products which are reliable, economical, safe, and comfortable to use. These products are usually consumer appliances (eg whitegoods, electronic goods), furniture, heavy machinery, or transport. Employment is found in a wide range of organisations ranging from consultancies and manufacturing companies to government departments.

Interior design is the planning and design of layout, finishes, lighting, fittings, and furnishings of building interiors. It requires a knowledge of community/clients' attitudes, and their behaviour and comfort requirements. A knowledge of the relevant aspects of building and furniture construction is combined with a critical appreciation of the decorative arts. Interior designers' duties may include organising material supplies, inspecting the progress of work and maintaining time and quality controls on site, and designing exhibitions or commercial displays. The interior designer must be able to imagine, evaluate, organise, and control the construction and fitting out of building interiors. Graduates find employment with architects, interior design consultants and government departments.

Landscape architecture applies ecological planning and design principles to improve and organise the physical and aesthetic quality of external spaces and is related closely to planning, development and land management. The profession has expanded recently as a result of increasing interest in environmental and quality of life issues. Landscape architects use their problem-solving skills to produce the best design solution for their clients, and to satisfy the needs of a sustainable natural environment. Graduates find employment in the private sector and in local and state government agencies. Projects can be as diverse as planning urban plazas, parks and recreation centres, highways and

streetscapes, designing private gardens, environmental restoration of mined land, and coastal planning and management.

Property economics covers all aspects of the development, sale, purchase, letting, valuation and management of real estate. The property economist applies business, law and economic theories and practice to solve property issues, and to organise and manage portfolios and individual property assets. Graduates find employment in government departments, real estate agencies, private consultancies and large institutions.

Quantity surveying is concerned with the budgeting and monitoring of building projects from inception, through design and construction, to completion and project occupancy. This involves precise measurement and cost estimation of materials, labour, equipment and other ancillary construction costs. These items are reported in a document called the Bill of Quantities which often forms the basis for the calling of tenders in the construction process and is also used for the determination of the progress payments and the final contract sum. Employment can be found with government departments, building contractors and private firms.

Urban, regional and town planning plays a major role in developing long-term plans for land use and in implementing land use controls. Planners interact widely with governments, private developers and community groups to develop, organise and govern urban and rural areas. They endeavour to make public and private spaces safe, healthy, efficient and attractive. Planners have to be aware of the economic, social, cultural and community needs of particular regions. Most graduates find employment with planning authorities, such as shire and city councils, local and national government bodies, and in the private sector, usually as consultants to private organisations in the engineering, architectural and surveying fields. Public sector employment opportunities are available in national parks, tourism developments and transport departments.

Courses available

Central Queensland University
B Building Design
B Building Surveying
B Construction Management
AdvD Building Design
AdvD Building Inspection

Griffith University
B Environmental Planning
B Environmental Planning/B Science - Urban and Regional Planning and Environmental Science

James Cook University
B Applied Science (Environmental and Urban Planning)

Queensland University of Technology
B Applied Science (Construction Management)
B Applied Science (Quantity Surveying)
B Built Environment (Architectural Studies)
B Industrial Design
B Interior Design
B Landscape Studies
B Planning Studies
B Property Economics

TAFE Queensland
D Building
D Building Design and Technology
D Interior Technology

The University of New England
B Urban and Regional Planning

The University of Queensland
B Architecture
B Regional and Town Planning

BUSINESS & TOURISM

Business and commerce studies

Studies in ***accounting*** usually lead to careers in public accounting, commercial accounting, government accounting or general management. An accountant's role is to provide essential financial services to public and private organisations. These services usually include financial administration, financial reporting, management accounting, accounting information systems, taxation, and auditing. Accountants solve problems relating to financial issues and accountability within organisations. The discipline of accounting may also include finance, law, taxation, computing and information systems. Employment opportunities in banking and finance, foreign exchange services and merchant banking are expanding for accountants and for business, commerce and economics graduates.

Actuarial studies involves work which is largely concerned with assessing the size, timing and likelihood of future cash flows both within and outside an organisation. Actuaries apply mathematical, statistical, financial and economic analysis to advise on proposed financial plans and risk management. They design complex financial policies, investment plans and strategic financial plans within organisations. A degree in mathematics/statistics is an excellent starting point for the further study and practical experience required to become an actuary. Actuaries have previously worked mainly in the fields of life insurance and superannuation, however there is now a great range of opportunities in both the public sector and the commercial business industry.

Advertising entails creating, developing, implementing and coordinating advertising campaigns for particular products or services. Advertising officers research products, marketing goals, and the target markets of an organisation and then devise an advertising campaign around this research. They then coordinate the production of the entire campaign, incorporating the print, radio and television media. Employment for graduates is available in advertising agencies, or large retail/media organisations with their own promotional department.

Aviation courses prepare graduates for a career as a professional domestic or international airline pilot, commuter airline pilot, charter pilot or other professional pilot. The focus is on the business aspects of the air transport business and human factors as they relate to airline operations.

The terms ***business*** and ***commerce*** have become virtually interchangeable, as there is only a fine distinction between the two. Most institutions offer courses in both and the major areas of study are very similar. The career opportunities, too, are similar

whether a study program in business or commerce is chosen. Business qualifications would be appropriate to a student intending to work in management in any enterprise, whether or not it is directly involved in commercial trading. It is possible to specialise in some fields of business study, such as hotel, marine or agricultural business. Commerce qualifications would be appropriate to a student intending to work in enterprises involved in the more commercial activities of trade. This may be at retail, wholesale or even international level and include advisory and consultancy work in areas of taxation, funds management and banking.

Economics is concerned with the behaviour of individuals, households, business firms, and governments in relation to the supply and demand of goods and services in a society. Economists research, analyse and advise on issues such as: taxation; employment; imports and exports; and interest and exchange rates. They analyse the effect of government policies and predict economic trends based on their research and analysis. Professional training in economics is directed towards an understanding of the relationships between the different parts of the economic system, including the operations of firms and industries in the private sector, the functions of governments and public sector infrastructure, and international economic relationships. Economists are usually employed in numerous areas of specialisation. These include: ***agricultural***; ***business/ financial economics*** (utilising economic theories and principles to increase an organisation's potential, cash flow and output); ***econometrics*** (developing economic theoretical models); ***environmental*** (environmental regulations and effects on the environment); ***resource*** (efficient use of natural resources); ***taxation***; and ***transport***.

Electronic commerce is the conduct of customer-to-organisation and organisation-to-organisation business transactions through information technologies and, in particular, the Internet. Graduates can work with both end users and technologists in a team to develop, implement, operate, maintain and manage electronic commerce application systems within organisations.

Environmental management deals with the interface between business, management and environmental science. Graduates would expect to find employment as consultants in government departments, industry or with commercial organisations.

The ***finance and banking*** areas of study provide a selection of economic and banking subjects tailored to meet the needs of the finance industry. Courses usually involve quantitative training, business skills and knowledge combined with complementary units from the areas of computing, human resource management, accounting, and marketing. Graduates are prepared for employment in banks, credit unions, building societies and other financial institutions. Careers in insurance, superannuation, foreign exchange, stockbroking, and financial planning are also available.

Financial management involves providing financial information essential to the efficient conduct and evaluation of an organisation's activities and profits. Financial management also involves determining the value of facilities and services owned by an organisation. Financial managers compare the anticipated and actual performances of an organisation, while examining significant or periodic variations. This helps organisations or governments to analyse important trends and relationships in order to increase the efficiency and effectiveness of production and output.

The study of ***government/public policy*** covers a wide range of issues that affect both public sector and private sector organisations and includes such areas as Australian political institutions, political theory, public policy, public sector resource management, local government, government-business relations, and public project evaluation. Graduates working in this sector will be prepared to make informed decisions and implement detailed plans based on a comprehensive understanding of policy processes. Careers may include Government service both within Australia and representing Australia overseas

Human resource management is an organisational activity that is growing significantly in free market economies. Human resource management encompasses the duties of dealing with an organisation's personnel. The management of an industry's most important resource, personnel, is considered to be critical to any enterprise's success. Areas of specialisation include recruitment, selection, training, development, organisational analysis, occupational health and safety, industrial relations, performance appraisals, strategic human resource management, and career planning for staff.

Industrial relations is primarily concerned with solving disputes that arise between employers and their employees. Industrial relations officers advise on legal issues and policies and can represent organisations in industrial settlements. They negotiate on pay issues and other areas of employment conditions for employers and employees. With their level of expertise, they develop and help implement practical employment policies for the workplace. They create and advise on enterprise based agreements in the workplace. Employment opportunities are increasing in both the public and private sectors.

Information systems is a specialised field of study pertaining to the practical application of computers within the fields of business and administration. The expertise of information technology has direct relevance to today's commercial industries. Organisations such as government departments depend upon the use of computers for the provision of statistical information and day-to-day functioning. Decision making, planning and problem solving within organisations usually receive aid from computing applications. Government departments and commercial and industrial enterprises are continuing to require high levels of computing skills in order to function and remain competitive in today's society. Typical information systems careers include: programming; systems analysis; consultancy; and user support. Most recent employment surveys indicate that employment opportunities for information technology graduates are extremely good.

International business combines business skills with an international perspective. It is concerned with developing skills in communication, research, and problem-solving in international business, from a political and cultural context. It involves training in economics, marketing, accounting and international relations, with an Asian, Pacific or European focus. Graduates can expect to find employment with internationally oriented organisations involved in trade and investment. Careers in the public sector involving advising, analysing, researching and implementing proposals are also common.

In ***management***, tasks centre around planning, decision-making, organising, motivating, and controlling the resources of an organisation. These resources are usually the people in the workplace requiring management in the areas of personnel

administration and human resource management. Other managerial duties can involve the effective production and marketing of an organisation's resources such as products or services. Specialisations are available in the following areas of management: ***enterprise management***; ***financial management***; ***information systems management***; ***logistics and operations management***; ***organisational management***; ***production management***; ***retail management***; and ***small business management***.

Maritime business and logistics studies combines practical maritime knowledge with theoretical business skills. Relevant business theories and techniques are practised in the ***maritime transport*** industry, in particular concentrating on the commercial sector of the shipping industry. Employment is usually found in the maritime transport industry, with positions ranging from clerk to manager. These can include shipping officer, logistics clerk, import/export officer, accountant, marketing officer or general managerial positions. ***Marine resources*** students are prepared for management careers in government in the areas of fisheries, aquaculture, marine and coastal parks, environment and conservation, and as advocates in these areas.

Marketing deals with increasing the overall sales of an organisation's products or services. Marketing officers analyse and research markets within a society and develop products/services to cope with perceived or predicted needs and wants. They create marketing plans and strategies which optimise an organisation's strengths and weaknesses, while targeting specific markets. Graduates can be employed in the areas of advertising, insurance, banking, sales management, market research, general management, public relations, and as consultants.

Office administration covers a diverse range of skills required by those employed in the office environment. Important areas of study are computing, communication and office management. Career opportunities may include work as executive assistants and office administrators.

Organisational behaviour deals with how the science of psychology can be applied in the workplace to produce an efficient and effective workforce, working in a safe and motivated environment. Knowledge of the behavioural, environmental and demographic factors affecting employees is used to create a more efficient and competitive output for the organisation. Studies involve occupational health and safety laws and theories, and industrial relations. Graduates can find employment in the following areas: human resource management; occupational health and safety; health policy development; health promotion; industrial relations; and research.

Organisational communication is for students who wish to specialise in the following areas: consulting - working with organisations to improve their communication practices and to manage change; communication management - working within organisations at management level to plan and implement the organisation's communication strategy; communication training - working within organisations to train staff and foster efficient communication practices; corporate writing - writing and producing corporate and technical documents such as reports, manuals, tenders, brochures and newsletters.

Public relations involves understanding relevant issues and analysing public attitudes which may affect an organisation. The planning, design and implementation of public relations campaigns or initiatives involves effective communication both within and outside the organisation. Public relations officers advise on an organisation's strategic plans with regard to the predicted impact on different groups in society. They educate the public about particular issues and develop a favourable identity for an organisation. They liaise with the media, write promotional material, organise promotional events, communicate with employees and develop strategic plans for an organisation's long term goals.

Employment is available in a wide range of business organisations, government bodies and charitable and non-profit organisations.

Real estate and development involves the study of the commercial, economic and legal issues pertaining to the management, valuation and marketing of property. Property management involves inspecting rental properties for clients, arranging maintenance and repair of rental properties, collecting bond money, drawing up lease agreements, and advertising vacant properties for lease. Property valuers estimate the values of urban and rural land and buildings as a basis for: property sales; the levying of rates and taxes; banking transactions; and insurance. Property marketers advertise and promote properties for sale or rent. Graduates can find employment in government departments or in private practice as valuers, real estate agents or property administrators.

Retail studies combine business skills with a focus on retail-specific subjects such as buying, sales management, retail marketing and human resource management. The retail industry is the largest private employer in Australia and the market is becoming more competitive domestically and internationally. Changes in technology, transport and communications, mean that a skilled workforce with relevant education and training to support it is essential. Retailing success requires sound business skills, outstanding customer service, an appreciation of the domestic and international market, and the ability to recognise and meet consumer needs. Areas of employment include buying, merchandising, promotions or customer service, and professional management on a local and global scale.

Hospitality, tourism and travel

These specialised fields of study are based on a sound understanding of the business principles of economics, accounting, taxation, management, computing, marketing, and human resource management. Detailed business knowledge is applied to practical specialisations in these areas.

Catering/food and service management involves catering supervision and management in both independent and chain restaurant operations and other related industries. Catering managers usually plan, supervise and control the catering operations in hotels, motels and other similar operations. They oversee the provision of food and drink service in numerous environments in the hospitality industry.

Club management entails management duties in specialised organisations such as clubs and casinos.

Hotel management can lead to positions such as accommodation manager, catering manager, entertainment coordinator, housekeeper, financial controller, front office manager, and human resource manager.

Leisure studies involves developing knowledge about how people play, conditions that encourage leisure participation,

barriers that limit participation, and how people's leisure needs change throughout their lives. Graduates apply their knowledge in their workplaces to design leisure experiences. Employment can be found in the areas of outdoor recreation, event management, parks management, community arts, sport management, tourism management, and therapeutic recreation.

Travel/tourism management caters for the increasing niche positions within the travel industry such as tour guide, travel consultant and tourism manager. Organisations such as travel agencies, national and international travel chains, airlines, shipping companies, commercial tour companies and public sector tourism and travel bureaus are continually on the lookout for graduates with managerial skills combined with practical application. Graduates find employment in hotels, motels, resorts, travel and tour organisations, management of theme and leisure activities, and tourism planning in both the private and public sectors. Ecotourism and sustainable tourism increasingly provide employment opportunities for graduates as special interest tourism co-ordinators and guides. Employment positions can range from travel agent, accountant, manager, staff development officer, strategic planner, or promoter.

Courses available

ACU National
B Business
B Business/B Information Systems

Australian Maritime College
B Administration (Marine Resources)
B Business (Maritime and Logistics Management)
AdvD Maritime Business
D Maritime Business
D Stevedoring (Operational Management)
C IV Maritime Business

Bond University
B Business Administration
B Commerce
B Communication (Business)
B Electronic Commerce
B Finance
B International Business

Central Queensland University
B Business (Accounting)
B Business (Accounting)/B Business (Information Systems)
B Business Administration
B Business Administration/B Learning Management (Secondary)
B Business Administration/B Professional Communication
B Business (Human Resources Management)
B Business (Information Systems)
B Business (Management)
B Business (Marketing)
B e-Commerce
B Tourism

Griffith University
B Business
B Business/B Arts in Japanese
B Business in Human Resource Management/B Arts in Psychology
B Business in Restaurant and Catering Management
B Business Management
B Commerce
B Commerce/B Behavioural Science
B Commerce/B Leisure Management
B Commerce - Banking, Finance and Risk Management
B Commerce in Financial Planning and Investments
B Hotel Management
B Hotel Management/B Arts in Japanese
B Hotel Management/B Business
B Hotel Management/B International Business
B International Business
B International Business/B Arts in Asian and International Studies
B International Business/B Commerce
B International Finance
B International Relations
B Leisure Management
B Marketing
B Tourism Management

James Cook University
B Business
B Business/B Commerce
B Business/B Economics
B Business/B Information Technology
B Business/B Journalism
B Business/B Psychology
B Business/B Tourism Management
B Business (e-Business)
B Business (e-Business)/B Information Technology
B Commerce
B Commerce/B Economics
B Commerce/B Information Technology
B Economics
B Hospitality Management
B Tourism Management
B Tourism Management/B Human Resource Management
B Tourism Management/B Marketing

Queensland Institute of Business and Technology
D Commerce
D Hotel Management

Queensland University of Technology
B Business
B Business (Accountancy and Economics)/B Education (Secondary)
B Business (Accountancy, Banking and Finance, Economics, or Marketing)/B Health Science (Health Services Management)
B Business (Advertising, Electronic Business, Human Resource Management, International Business, Management, or Public Relations)/B Health Science (Health Services Management)
B Business/B Information Technology
B Business/B Laws
B Business Information Management

Southern Cross University
B Accounting/B Information Technology
B Applied Science/B Business in Tourism
B Business
B Business/B Arts
B Business/B Laws
B Business Administration (Commerce and Management specialisations)

Southern Cross University continued
B Business Administration (Human Resources specialisations)
B Business in Hotel and Catering Management
B Business in Tourism
B Business in Tourism/B Laws
B Environmental Tourism Management
B Indigenous Studies/B Business in Tourism
B Indigenous Tourism Management
B Management and Professional Studies

TAFE Queensland
D Accounting
D Business
D Business/B Arts
D Business/B Business
D Business/B Business Information Management
D Business Administration
D Business (Human Resources)
D Business Management
D Business Management/B Arts
D Business (Marketing)
D Business (Marketing)/B Arts
D Event Management
D Event Management/B Business
D Hospitality Management
D Hospitality (Management - Dive Resort)
D Hospitality Management/B Business
D Hospitality Management/B Hospitality Management
D Hospitality Management/B Hotel Management
D Hospitality Management with Honours/B International Hotel and Tourism Management
D Hospitality Management/B Tourism and Hospitality Management
D Hospitality Management/AdvD Hospitality Management/B Hospitality Management
D Hospitality Management/D Event Management
D Hospitality Management/D Event Management - Golf
D Hospitality Management/D Event Management - Surfing
D International Business
D International Business/B Business (International Business)
D Retail Management
D Tourism (Marketing & Product Development)/D Tourism (Operations Management)
D Tourism (Operations Management)
D Tourism (Operations Management)/B Business
D Tourism (Operations Management)/B Business (Tourism Management)
D Tourism (Operations Management)/D Event Management
D Tourism (Operations Management)/C III Hospitality (Operations - Hotel Reception)

The University of New England
B Commerce
B Commerce/B Economics
B Commerce/B Laws
B Commerce/B Teaching
B Economics
B Economics/B Laws
B Financial Administration
B Financial Administration/B Laws

The University of Queensland
B Business Communication
B Business Communication/B Business Management
B Business Communication/B Contemporary Studies
B Business Communication/B Electronic Commerce
B Business Communication/B Social Science
B Business Management
B Business Management/B Applied Science (Environmental Tourism)
B Business Management/B Arts
B Business Management/B Commerce
B Business Management/B Contemporary Studies
B Business Management/B Economics
B Business Management/B Education (Secondary)
B Business Management/B Electronic Commerce
B Business Management/B Information Technology
B Business Management/B Journalism
B Business Management/B Laws
B Business Management/B Science
B Business Management/B Social Science
B Commerce
B Commerce/B Arts
B Commerce/B Economics
B Commerce/B Education (Secondary)
B Commerce/B Information Technology
B Commerce/B Journalism
B Commerce/B Laws
B Commerce/B Science
B Commerce/B Social Science
B Economics
B Economics/B Arts
B Economics/B Education (Secondary)
B Economics/B Information Technology
B Economics/B Journalism
B Economics/B Laws
B Economics/B Science
B Economics/B Social Science
B Electronic Commerce
B Electronic Commerce/B Laws
B International Hotel and Tourism Management
B International Hotel and Tourism Management/B Arts

University of Southern Queensland
B Applied Finance
B Business
B Business/B Information Technology
B Business Administration
B Commerce
B Commerce/B Business
B Commerce/B Education (Secondary)
B Commerce/B Informatics
B Commerce/B Information Technology
B Commerce (Finance)/B Science (Applied Mathematics)
B e-Commerce
B Finance and Economics
B Financial Administration
B Tourism
B Tourism/B Business
AB Finance and Economics
AdvD Business
AdvD Finance and Economics
C Banking and Financial Services
C Business
C Commerce
C Finance and Economics

University of the Sunshine Coast
B Business
B Business (Accounting)
B Business/B Science
B Business (Information Systems)
B Business (International Business)
B Business (Management)
B Business (Marketing)
B Business (Tourism)
B Sustainable Tourism

CREATIVE & PERFORMING ARTS

Performing/expressive arts

These courses cover the arts of creative writing, dance, drama and theatre, and music. They usually focus on the practical production of performance with a comprehensive grounding in the related theoretical aspects of the expressive arts.

Creative writing courses cover the basics of expressive writing including popular fiction, contemporary writing, and culturally specific writing styles. Possible careers for graduates include authors of genres such as: poetry; novels; short stories; biographies; plays; and film/radio/television scripts. Employment can also be found as a dramaturg (performance researcher) or as a researcher in other arts related areas such as television shows.

Dance courses incorporate a study of the varying performance styles with a theoretical basis in management and leadership. Graduates usually work in a variety of different areas of dance including performing with dance companies (national and international), freelance choreography, dance research, dance teaching, dance therapy, and dance administration.

Drama and theatre studies usually allow students to specialise in the areas of acting, stage management, technical production, arts administration, directing, and playwriting. Graduates can usually find employment in the field of arts as dramaturgs, drama teachers, arts administrators, playwrights, directors, stage managers, stage designers, drama therapists, community arts officers, actors, and theatre technicians. Employers can include state theatre companies, film and television, theatre restaurants, theatre workshops, and touring productions.

Music studies are designed for people who wish to pursue a career in the music industry. Specialisations are usually available in the areas of performance (vocal, instrumental, solo, ensemble), composition, music technology/production (audio and sound production), and music therapy. Graduates are prepared for employment in the production, administration, management, writing and practical specialisations of the music industry. Possible careers include: musicologist (interpreting musical history and style); instrumentalist; composer; jazz musician; music critic; arranger; teacher; audio engineer; concert recordist; music therapist; and singer.

Design studies

Design studies in the context of visual art includes graphic design, interior design, three-dimensional design, fashion design, and textile design. The emphasis of most design courses is on the practical application of knowledge to solve design-related problems. This differs from visual/fine arts where design is a pure expression of an individual's thoughts, feelings and personal agenda. Studies in the design area are of a practical and applied nature, sometimes utilising a technical or technological basis for the production of creative designs.

Graphic designers design the artwork and layout of publications or design various aspects of the visual media. Graduates can find employment as designers in commercial industries, specialising in particular fields such as television, film and computer graphics, set and exhibition design, corporate design, book and magazine design, advertising, and illustration.

Interior designers plan and design the interiors of living spaces in conjunction with other building specialists. They plan and advise on structural alterations to building interiors and coordinate the implementation of their designs from start to finish. Employment can be found with architects, consultants and government departments.

Fashion/textile designers design clothing, accessories and other textile commodities. Fashion designers create original designs by developing and creating particular garments. They draw designs, make patterns from these designs, and then select the fabrics and colours to be used. Some fashion designers coordinate the entire manufacture of garments from mass production to merchandising and retailing. Textile designers are involved with the practical application of pattern making, embroidery, screen printing and textile design. Employment is usually found with manufacturing houses, or graduates can set up their own private design company.

Three-dimensional design usually focuses on designing objects of an industrial nature. These include sign system design, furniture design, exhibition design, lighting design, packaging design, and environmental design. Graduates find employment in the areas of industrial design, in both the commercial and public sector.

Visual arts

Animation is offered as an area of study within a course or as a program in its own right. As well as traditional types of animation using drawn and painted work, courses include computer, and 2-D/3-D animation with the use of puppets and other experimental media. Animators work in the area of film and television, as well as the growing computer and video games industry.

Film arts involves creative work in areas of the popular media industry such as animation, film and television production, photography, and screen production. Courses prepare students for the professional application of their practical knowledge and skills. Students develop a high level of technical competence, team work skills and industry leadership in their specialised disciplines. Graduates find employment as directors, producers, sound engineers/recordists, scriptwriters, camera operators, cinematographers, editors, illustrators, photographers, photojournalists, ***animators, computer animators***, and lighting designers. The employment opportunities range from the public service and commercial industries (advertising, marketing etc) to the film and television industry.

Multimedia courses encompass the relatively new fields of computer imaging/graphics, interactive multimedia, and communication design. Studies involve the new disciplines and technologies which are utilised to design multimedia systems and products for today's society. These technologies influence the design of computer software, image creation and sound production. Students develop the creative skills and theoretical knowledge to generate and manipulate graphic images, sound text and videos into multimedia programs. Graduates find employment in expanding career specialisations such as: Internet development;

electronic marketing and publishing; and sound and video production.

Visual/fine arts courses focus on the specialisations of carving, ceramics, drawing, gold and silversmithing, illustration, intermedia, painting, printmaking, or sculpture. Students develop an understanding of the theoretical/conceptual framework of art combined with the practical application of this knowledge in a specialised area. The primary aim of these courses is usually to produce professional artists. However, graduates find employment not only as self-employed artists, but also as art historians, art critics, art administrators, art teachers, art therapists, curators, community arts officers, illustrators of books and magazines, printers, and jewellery designers.

Courses available

Central Queensland University
B Jazz Studies
B Music (Performing Arts)
B Music Theatre
B Performing Arts

Griffith University
B Animation
B Arts in Applied Theatre
B Contemporary Australian Indigenous Art
B Creative Arts
B Design
B Design Studies
B Digital Design
B Digital Screen Production
B Film and Television Production
B Fine Art
B Music
B Music Studies
B Music - Music Technology
B Photography
B Popular Music
Preparatory Program – Music

James Cook University
B Communication Design
B Music
B Photography
B Theatre
B Visual Arts

QANTM
D Graphic Design/CIII Multimedia
D Screen (specialising in animation)

Queensland Institute of Business and Technology
D Design Studies

Queensland University of Technology
B Creative Industries
B Creative Industries (Communication Design)
B Creative Industries (Communication Design)/B Information Technology
B Creative Industries (Creative Writing)
B Creative Industries (Creative Writing)/B Laws
B Creative Industries (Dance)
B Creative Industries (Dance)/B Education (Secondary)
B Creative Industries (Drama)
B Creative Industries (Drama)/B Education (Secondary)
B Creative Industries (Television)
B Creative Industries (Visual Arts)
B Creative Industries (Visual Arts)/B Education (Secondary)
B Fine Arts (Acting)
B Fine Arts (Communication Design)
B Fine Arts (Creative Writing Production)
B Fine Arts (Dance)
B Fine Arts (Fashion Design)
B Fine Arts (Film and Television Production)
B Fine Arts (Technical Production)
B Fine Arts (Visual Arts)
B Music
B Music/B Education (Secondary)
AB Dance

Southern Cross University
B Contemporary Music
B Contemporary Music/B Education (Secondary)
B Contemporary Music/B Laws
B Visual Arts
B Visual Arts/B Education (Secondary)

TAFE Queensland
AdvD Ceramics
AdvD Performing Arts
AdvD Textiles, Clothing, and Footwear
D Entertainment
D Graphic Design
D Photography
D Printing and Graphic Arts (General)
D Textiles, Clothing, and Footwear
D Visual Arts
D Visual Arts - Animation
D Visual Arts - Arts, Craft and Community Arts
D Visual Arts - Fine Arts
D Visual Arts - New Media and Illustration

The University of New England
B Music/B Teaching

The University of Queensland
B Music
B Music/B Arts
B Music/B Education (Secondary)

University of Southern Queensland
B Drama/B Education (Secondary)
B Music
B Music/B Education (Secondary)
B Theatre Arts
B Visual Arts
B Visual Arts/B Education (Secondary)
AB Music

University of the Sunshine Coast
B Arts (Computer-based Art and Design)
B Arts (Design and Marketing)

EDUCATION

Education courses prepare teachers for all levels of education, from pre-school, primary, and secondary through to tertiary. Studies are also available to prepare for teaching in the more specialised areas such as the teaching of music, the education of children with disabilities, or adult and vocational education.

All courses in teacher education emphasise various forms of development in students including: personal development through self-understanding and the development of expression; academic development with the opportunity to follow individual choices; mastery of the theoretical foundations of the profession; the development of skills in the practice of teaching; and the pursuit of individual professional interests.

Undergraduate and preservice education programs provide initial study in the field of education. These courses are likely to meet the needs of applicants who have an interest in teaching and aim to pursue a career in education. A careful reading of course descriptions will reveal broad specialisations in early childhood, primary and secondary education. Secondary education courses generally specify the major teaching areas in which students will undertake in-depth study. These major teaching areas include: English; the expressive arts (drama, dance, music, and art); the social sciences (history, geography, social science, and legal studies); business education (accounting, business management, economics, legal studies, business communication and technologies); economics; mathematics; sciences (biology, chemistry, computing, earth science, mathematics, and physics); information technology; health and physical education; home economics; technology (industry technology and design, graphics); and LOTE (languages other than English).

Some education courses specialise in Early Childhood Studies and lead to qualification as directors of childcare centres and preschools, and for work in family day care. These courses do not lead to registration as a teacher.

Employment

Employment as a teacher in Queensland, whether by Education Queensland or by another employing authority, depends on gaining registration as a teacher. This involves successful completion of a course approved by the Queensland Board of Teacher Registration. Specialists in human movement studies work as physical education and health education teachers, as well as in a variety of positions in hospitals, health centres, rehabilitation centres, business and industry, governmental agencies, and sporting organisations. Educational administrators work at all levels in the hierarchy of schools and tertiary and technical institutions.

Government policies

State and Commonwealth legislation requires background, health and criminal record screening of applicants for employment involving contact with children, the infirm and the aged. In this context, employment includes unpaid work performed by students in the course of their studies.

A criminal record check is undertaken as part of the application for registration as a teacher in Queensland and employment with the New South Wales Department of Education and Training.

English and mathematics requirements for primary teachers stipulate that all teacher education students seeking employment as primary teachers with the NSW Department of Education and Training must have completed Senior mathematics and English as part of their Senior Certificate.

Applicants who have not completed Year 12 or equivalent can satisfy this requirement by having the higher education institute they are attending certify that they have achieved the required level of performance in English and mathematics as part of their higher education studies. Further details can be obtained from course coordinators.

Courses available

ACU National
B Education (Primary)

Central Queensland University
B Learning Management (Early Childhood)
B Learning Management (Primary)
B Learning Management (Professional Japanese)
B Learning Management (Secondary)

Griffith University
B Education - Primary
B Education - Secondary (Drama)
B Education - Secondary (English or Social Sciences)
B Education - Secondary (Health and Physical Education)
B Education - Secondary (Mathematics, Science or Computing)
B Education - Special Education
B Fine Art/B Education - Secondary
B Human Services/B Education - Primary
B Science/B Education - Secondary
B Technology Education

James Cook University
B Education (Secondary, Primary or Early Childhood)
B Education/B Arts
B Education/B Languages
B Education/B Psychology
B Education/B Science
B Education (Human Movement) - Primary
B Education (Human Movement) - Secondary
B Music/B Education

Queensland University of Technology
B Early Childhood Studies
B Education (Early Childhood)
B Education (Primary)
B Education - Secondary
B Education - Secondary (Home Economics)
B Education - Secondary (Physical Education)

Southern Cross University
B Education (Primary)
B Technology Education

TAFE Queensland
D Community Services (Children's Services)
D Community Services (Children's Services)/B Social Science
D Community Services (Children's Services)/B Social Science (Human Services)

The University of New England
B Education (Primary)
B Education combined degrees (see separate areas of interest)

The University of Queensland
B Agricultural Science/B Education (Secondary)
B Applied Science - Food Science and Nutrition/B Education (Secondary)
B Arts/B Education (Secondary)
B Behavioural Studies/B Education (Middle Years of Schooling)
B Business Management/B Education (Secondary)
B Commerce/B Education (Secondary)
B Contemporary Studies/B Education (Middle Years of Schooling)
B Economics/B Education (Secondary)
B Music/B Education (Secondary)
B Natural Resource Economics (Agricultural Economics)/B Education (Secondary)
B Science/B Education (Secondary)
B Social Science/B Education (Secondary)
B Social Science/B Education (Middle Years of Schooling)

University of Southern Queensland
B Early Childhood Studies (Childcare)
B Education (Early Childhood)
B Education (Primary)
B Education (Secondary)
C Education Studies

ENGINEERING & TECHNOLOGY

Engineering

Engineering is the application of scientific and mathematical principles to practical outcomes including the design, manufacture, and operation of structures, machines, processes and systems. Established concepts and recent developments combine in both traditional and emerging areas of engineering requiring a comprehensive background in both mathematics and physical science.

Aeronautical and aerospace engineers apply knowledge of aerodynamics and other sciences to the design and development of aircraft and satellite systems, including scramjet propulsion and hypersonic flight vehicles. They are also involved with the management, manufacture, installation, performance assessment, testing and maintenance of all types of flight vehicles and space systems.

Agricultural engineering is the application of engineering knowledge and skills to develop sustainable and profitable agricultural production systems, conserve and manage soil, water and forest resources, minimise the environmental impacts of intensive agriculture and to improve the quality of animal, agricultural, horticultural and other primary products.

Biomedical engineering applies engineering, science and technology to problems arising in medicine and biology and includes the areas of metabolic, cell and tissue engineering as well as medical imaging and instrumentation.

Chemical engineering is a discipline that serves industrial activities where processes occur in which materials, usually on a large scale, undergo physical or chemical changes. Chemical engineers are employed in the chemical and petroleum industries, metallurgy, minerals and manufacturing, pharmaceutical and food industries, as well as being concerned with the control, treatment and disposal of waste materials. Chemical engineers can specialise in the areas of combustion, bioprocess, pharmaceuticals, microbiology, metallurgy and water treatment.

Civil engineering deals with the planning, design, construction and maintenance of structures such as large buildings, roads, bridges, tunnels, railways, airports, canals, harbours, docks, coastal protection works, dams, irrigation systems, water supply systems and sewerage systems.

Coastal engineering involves aspects of civil engineering, nearshore oceanography and marine geology that are primarily directed at combating coastal erosion, maintaining navigational access and managing coastal zones.

Computer systems engineering is concerned with the study and development of computer technology, its application and its underlying concepts. This field includes all aspects of hardware and software including microprocessors and computers, machine and high-level language programming, communication networks, and control.

Electrical engineering and electronic systems engineering are extensively concerned with scientific principles and their practical applications in the generation, distribution and utilisation of electricity, and the improvement of transport systems. The field also focuses on the development of electronic communication networks, information processing and computer systems, industrial electronics, and control systems.

Environmental engineering deals with the planning and management associated with pollution and waste engineering. Major factors are the management of liquid and solid wastes, and air and noise pollution. Environmental engineers develop an ecological approach to dealing with the harmful effects of toxic and hazardous wastes on non-toxic end products. They are involved in the research and development of technologies to minimise waste from engineering projects. They can specialise in such areas as the mining, chemical, or civil engineering industries.

Infomechatronics combines skills in the three, traditionally separate, disciplines of mechanical engineering, electrical and electronic engineering, and computing. Students acquire the education and skills required to design, develop, construct and service modern machinery. These skills are essential across all industrial sectors including the manufacturing and process industries, primary production and mining, and the service and health industries.

Manufacturing and materials engineering is concerned with the properties, uses, treatment, and fabrication of metals and materials including ceramics and plastics. Materials engineers develop new methods for processing, shaping, improving and fabricating materials. They help to design new products utilising new materials, and research new production methods.

Maritime/marine engineers are concerned with the installation, operation and maintenance of machinery on board ships and on off-shore systems. They ensure all engines and ship-related machinery are operating efficiently, repair and maintain equipment, and record and analyse data collected from engine room instruments. Maritime/marine engineers are employed with shipping companies, ship-building companies and ship-repair organisations as well as port and harbour authorities. Mining

companies involved in off-shore activities, and manufacturers of auxiliary machinery, navigational aids and communication equipment, also provide employment for graduates.

Mechanical engineering primarily deals with the design, manufacture, operation and maintenance of machines and their accessories. Mechanical engineers have a particular contribution to make in providing transport, manufacturing, refrigeration, aviation, air conditioning, and producing electric power. They help coordinate the design, construction and maintenance of the production plant and all other machinery. The organisation and control of factory production requires knowledge of human relations as well as ability in mechanical design.

Medical engineering is a specialisation concerned with the application of engineering principles in medical and related environments. The medical engineer designs and assesses medical, surgical and rehabilitation and sports equipment, and provides specialist advice to medical staff.

Mechatronics engineering involves the integration of the traditional disciplines of mechanical engineering and electrical and electronic engineering. Mechatronics engineers combine their knowledge of materials, dynamics, mechanics, control theory, electronics and computing, in the design and construction of specialised robotics and 'intelligent' systems.

Minerals process engineering is concerned with the production of refined metals and minerals from crude ores using environmentally acceptable methods. Minerals process engineers are involved with researching new technologies and techniques of production. They design and develop the entire production process and coordinate operation.

Microelectronic engineering is concerned with the design, development and engineering of electronic chips, circuits, computers, and related systems. Microelectronics is associated with almost every product we use, from chocolate to compact disks, from computers to mobile phones and satellites. It has also significantly contributed to the recent creation of intelligent artefacts such as pet, monkey and humanoid robots. Microelectronic engineers are equipped with hardware/software skills necessary for the design, development and engineering of electronic circuits and microcomputer-based products and systems. Graduates are highly sought after and are employed in industries such as computing and information technology, communications, broadcasting, automation, aviation, defence, robotics, automotive industries, and health.

Mining engineers examine newly discovered ore deposits, surveying these deposits, evaluating their worth, and studying their overall structure. They also determine the most efficient and economical methods of extracting the ore from the earth. They design the installations required and supervise the construction and operation of the whole mining enterprise. Their duties include designing the layout of the mine, planning tunnels and shafts, and ensuring safety regulations are adhered to.

Multimedia telecommunication engineering is a new field which involves the mixing of key technologies such as computers, electronics, multimedia and telecommunications. Courses focus on the professional discipline of telecommunications as applied to the problems of multimedia data communication, especially for sound and video, underpinned by a basic understanding of electronics and computers.

Naval architecture is the branch of engineering which covers all aspects of the design of ships and floating structures. Naval architects develop a ship's design, its structure, its dynamics, its propulsion, and the building materials required. Naval architects usually find employment with shipping companies, ship-building companies, and ship-repair companies. Graduates also find employment with mining organisations involved in off-shore exploration.

Ocean engineering is the branch of engineering which deals with the design of general floating, fixed and subsea off-shore structures. Ocean engineers require an understanding of the physical processes in the oceans and their effect on man-made marine systems. They research and develop systems and technologies that withstand the natural environment's impact but do not negatively affect the natural environment.

Software engineering deals with the application of engineering principles to the development and maintenance of high quality software, and in particular with the team production of large software systems. Vital skills include computer science, design, engineering, and management as well as written and verbal communication.

Telecommunications engineering includes the design, planning, commissioning and monitoring of complex telecommunications networks and broadcast equipment. Experienced telecommunications engineers are sought after by employers including the major telecommunications carriers, mobile phone manufacturers, and electronic equipment manufacturers, as well as private and government bodies involved in design and development.

Employment

Depending on specialisations graduates work for: consultancies, construction managers and contractors, mining companies, computer manufacturers and suppliers, telecommunications firms, processing companies, transport operators, financial institutions, research organisations, and Commonwealth, state and local government authorities and utilities.

Areas of employment include: biochemical and biomedical engineering and bioengineering; electromedicine and medical signal processing; computer hardware and software design and production; computer aided processing; robotics; electrical control and power systems; power production; environmental protection management and safety; natural resource utilisation; petrochemical manufacturing; mineral processing; tunelling, excavation and geomechanics; pyrometallurgy, hydrometallurgy and electrometallurgy; advanced materials development; microwave and antenna engineering; electronic and photonic production; optical fibre communications; satellite communication; and aeronautical and aerospace engineering and research.

Surveying

Surveying involves a multidisciplinary body of knowledge based on mathematics, physics, environmental science, law, and land administration. Professional surveying interests range from the design of housing estates and other activities dealing with tenure and title to land, to very precise measurement in construction, determining the size and shape of the Earth, mapping, and geographical information systems.

Surveyors collect, assess and report on particular land and geographic information. This is then used for the design and implementation of effective, economical and efficient usage and administration of specific land masses.

Surveyors can specialise in the following areas: ***land surveying***; ***engineering surveying***; ***geodetic surveying***; ***hydrographic surveying***; ***mine surveying***; ***topographical surveying***; ***geographic information science***; ***mapping***; ***remote sensing***; and ***photogrammetry***.

Employment

Surveyors, engineering surveyors, mining surveyors and surveying technicians find employment in a range of government departments as well as in the mining, exploration and construction industries. Many join consultancies and eventually establish their own practices where they provide management and advisory services in the areas of land ownership, land development, and geographical information systems.

Courses available

Australian Maritime College
B Applied Science (Maritime Technology Management)
B Engineering (Marine/Offshore Systems)
B Engineering (Naval Architecture)
B Engineering (Ocean Engineering)
AdvD Marine Engineering
C IV Commercial Marine Surveying

Central Queensland University
B Aviation Technology
B Engineering - Civil, Electrical/Electronics or Mechanical
B Engineering (Computer Systems)
B Engineering (Co-op)
B Engineering Technology
B Engineering Technology/B Business Administration
B Engineering Technology/B Learning Management (Secondary)
AdvD Engineering

Griffith University
B Computer and Communication Technology
B Engineering in Civil Engineering
B Engineering in Civil Engineering with Advanced Studies
B Engineering in Civil Engineering/B Business Management
B Engineering in Civil Engineering/B Environmental Science
B Engineering in Civil Engineering/B Information Technology
B Engineering in Coastal Engineering
B Engineering in Computer Systems Engineering
B Engineering in Electronic Engineering
B Engineering in Environmental Engineering
B Engineering in Environmental Engineering/B Science
B Engineering in Microelectronic Engineering
B Engineering in Microelectronic Engineering/B Information Technology
B Engineering in Microelectronic Engineering/B Science
B Engineering in Software Engineering
B Engineering Technology
B Environmental Technology
B Technology with Aviation

James Cook University
B Engineering
B Engineering/B Science

Queensland University of Technology
B Engineering (Aerospace Avionics)
B Engineering (Civil; Electrical and Computer; or Mechanical Engineering)
B Engineering (Computer Systems)
B Engineering (Dean's Scholars Accelerated Program)
B Engineering (Electrical and Computer Engineering)/B Mathematics
B Engineering (Electrical and Computer Engineering)/B Business
B Engineering (Electronics)/B Information Technology
B Engineering (Engineering Management and Information Systems)
B Engineering (Environmental Management)
B Engineering (Infomechatronics)
B Engineering (Medical)
B Engineering (Telecommunications)
B Surveying

TAFE Queensland
AdvD Computer Systems Engineering
AdvD Electronics Engineering
AdvD Engineering
AdvD Engineering (Civil) with Honours/B Technology (Civil)
AdvD Engineering (Mechanical)/B Technology (Mechanical)
D Engineering - Mechanical
D Telecommunications Engineering

The University of Queensland
B Engineering
B Engineering/B Arts
B Engineering (Chemical)/B Biotechnology (Process Technology)
B Engineering/B Business Management
B Engineering/B Commerce
B Engineering/B Economics
B Engineering/B Information Technology
B Engineering/B Science

University of Southern Queensland
B Engineering
B Engineering/B Business
B Engineering/B Information Technology
B Engineering/B Science
B Engineering Technology - Building and Construction Management
B Engineering Technology - Civil Engineering
B Engineering Technology - Computer Systems Engineering
B Engineering Technology - Electrical and Electronic Engineering
B Engineering Technology - Environmental Engineering
B Engineering Technology - Mechanical Engineering
B Surveying
B Technology - Geographic Information Systems
B Technology - Surveying
AB Civil Engineering
AB Computer Systems Engineering
AB Electrical and Electronic Engineering
AB Environmental Engineering
AB Geographic Information Systems
AB Mechanical Engineering
AB Surveying

HEALTH & RECREATION

The provision of total health care to the community involves medicine and its allied health fields.

Many students who enter courses in medicine and in other health fields do so in order to be able to provide direct help to people who have health and health-related problems. Others who study these courses intend to enter research or teaching in their chosen fields or to work eventually in administrative positions in the health field.

Acupuncture is part of traditional Chinese medicine, and is based on the understanding that there is an energy in all living bodies which, if blocked or upset, can result in illness. The practitioner aims to restore a harmonious flow of energy by influencing the acupuncture points with needles, moxibustion (a heat treatment that warms the acupuncture point with a slow smouldering herb call moxa) or finger pressure. Acupuncturists work from clinics as primary health care providers, either alone or in partnership, treating a wide range of health problems.

Beauty therapy applies aesthetic awareness to the human face and form. Beauty therapists apply a thorough knowledge of anatomy, physiology, skin disorders, cosmetic chemistry and health and nutrition to perform beauty treatments. They analyse skin and body problems and give advice on potential treatments.

Biomedical science focuses on the biological aspects of medical science. Graduates can find employment in the applied health sciences or biomedical research, as laboratory, research or scientific officers. Employers are usually hospitals, universities, government departments, medical research institutes and pharmaceutical institutes.

Dentistry is concerned with the prevention of oral disease and the maintenance of oral health. Care may be provided using a team approach. Dentists provide preventive oral health care and examine, diagnose and treat oral diseases, injuries and abnormalities of the mouth. See also ***oral health studies***.

Environmental health involves implementing management strategies to enforce the Health Act, the Food Act and environmental protection legislation. Environmental health officers promote safe hygiene, health and good environmental practices. They assess and advise on construction/building plans, investigate food complaints, take samples of food and water for analysis, prepare and present information seminars, monitor pollution levels, investigate waste disposal proposals, and develop systems of support for the community. Graduates can usually find employment with various government departments, health agencies, consultancies and large commercial organisations.

Exercise science is the integrated study of exercise responses. It involves the assessment, prescription and evaluation of exercise to improve overall and specific bodily functions. Exercise science is a cornerstone of the 'sports medicine' approach to rehabilitation. Graduates can find employment as rehabilitation advisers, respiratory scientists, exercise specialists, rehabilitation managers, and fitness conditioning coordinators.

Health services management involves the application of management and administrative skills to health care delivery systems. It involves the coordination of the activities of any organisation which directly provides health services or is concerned with the development of services, facilities and funding arrangements in the health industry. Employment is possible in the administrative sections of both private and public hospital systems, Commonwealth and State Government departments, community health centres, and the health insurance industry or any other organisation which provides health services.

Health information management involves the design, organisation and administration of health information systems in hospitals and health services including patient information systems. Areas of employment include public and private hospitals, medical research centres, government health departments, cancer registries, medical practices, educational facilities, and private employers.

Health promotion/health education focuses on mastering health promotion principles, goals and concepts. Health promotion and health education have become of vital importance to community services, educators and governments.

Studies in ***health science*** integrate a comprehensive grounding in the biosciences, humanities and social sciences. Graduates usually find employment in the health and bioscience fields.

Herbal medicine is the use of medicines made from whole plants to promote health, treat or prevent illness and restore balance in disease. Various kinds of plant material (flowers, fruits, leaves, roots, bark or whole plants) may be used fresh, dried or powdered, as infusions (hot water extractions), or tinctures (alcohol based extractions). Herbal Medicine combines hundreds of years of experience with modern scientific methods.

Homeopathy involves administering herbal and mineral remedies to help cure specific health problems. Homoeopaths diagnose their patients' problems, suggest particular treatments and cures, and help dispense these prescribed cures. Homeopathic medication regulates the central controlling processes of the human body system. This is achieved not by replacing missing substances but by introducing herbs, minerals and other ingredients to remedy the disease or illness. Homeopathy is an appropriate career for self-starters. Most graduates enter clinical practice, either alone or in partnership with other practitioners. Others may find employment with government agencies, in industry or in a variety of social welfare settings.

Human movement studies is an interdisciplinary field concerned with understanding how and why human movement occurs, the adaptations to movement when training, and changes in movement which result from maturation and ageing. Biological perspectives on human movement provide a basis for a wide range of professions in the areas of sport and exercise science, health promotion and health and physical education.

Indigenous health aims to address the health needs of Aboriginal and Torres Strait Islander communities. Using a multidisciplinary approach, it assists students to understand the complex factors contributing to health in communities, and to plan and manage programs that meet these needs. It seeks to understand the interaction between indigenous cultures and public health strategies, with an emphasis on health promotion and primary health care. Graduates find employment as Aboriginal and Torres Strait Islander health workers in government and community-controlled health services, in research and in the management and delivery of a range of health programs.

Massage therapy involves healing by touch and is designed to equip graduates with the knowledge and skills to become

successful massage therapists. It involves working with the soft tissues of the body including muscles, tendons and ligaments, to help the body improve the functioning of joints and muscles, as well as to promote circulation and general body tone and to relieve mental and physical fatigue.

Medical laboratory techniques are concerned with the procedures of laboratory tests used in the diagnosis and treatment of diseases and disorders of the human body. Medical laboratory technicians generally work as part of a team with doctors, scientists and laboratory assistants. Graduates can pursue careers in public and private laboratories, government analytical laboratories, research laboratories in universities, research institutions and private biomedical industries.

Medicine and surgery are the arts of restoring and preserving health. Medical practitioners examine, diagnose and treat injuries, diseases and other health complaints. Employment specialisations after further study include: physician; surgeon; anaesthetist; neurologist; obstetrician; gynaecologist; ophthalmologist; pediatrician; pathologist; and psychiatrist.

Naturopathic medicine is a distinct method of primary health care - an art, science, philosophy and practice of diagnosis, treatment and prevention of illness. Naturopaths seek to restore and maintain optimum health in their patients by emphasising nature's inherent self-healing process. This is accomplished through education and the rational use of natural therapeutics. The study of naturopathy includes herbal medicine, diet and nutrition, mineral therapy and naturopathic diagnostic techniques, along with a general understanding of many other forms of therapy. Most graduates enter clinical practice, either alone or in partnership with other therapists. Others may find employment with government agencies, in industry or in a variety of social welfare settings. Naturopaths often work for health food businesses as consultants or sales representatives.

Nursing is a systematic activity based on preventive, curative and rehabilitative aspects of client care. It aims to assist individuals to achieve optimal health status, to cope with ill health and to maintain their place in society. As the science of caring, nursing employs theory and research as a guide to practise in varied health care settings including nursing homes, hospitals, and clinics in communities as well as industrial concerns and schools.

Nutrition and dietetics involves the application of specialist scientific knowledge in food and nutrition, dietary design and management of food services to help both the sick and the healthy community. Nutritionists advise clients on the relationship between diet and health at both individual and group levels. Graduates find employment in public and private hospitals, nursing homes, nutrition education, food service management, government health agencies, research organisations, private practice and community programs.

Occupational health and safety focuses on protecting people in the workplace from hazards likely to cause injury or illness. Occupational health and safety officers work within an organisation to ensure that occupational health and safety regulations are followed. They identify particular workplace hazards, and design and conduct training sessions for employees. They design, coordinate and implement specific programs to minimise risks in the workplace. These can be emergency procedures, mine rescues, safety manuals, safe workplace practices and first aid. Graduates find employment in various commercial industries for private firms, government departments, and as consultants.

Occupational therapy assists people of all ages to overcome factors which limit their ability to function in their chosen occupational roles and detract from their quality of life. These limiting factors can be caused by injury or illness, psychological or emotional difficulties, developmental delay, or the effects of ageing. Occupational therapists work in partnership with their clients to optimise their clients' functioning and quality of life. In working with individuals across the lifespan, occupational therapists may work in hospitals, schools, community settings, private clinics, rehabilitation centres, hostels, nursing homes, the workplace and industry.

Optometry is concerned with the principles and practice involved in safeguarding and improving vision. Optometrists examine eyes to determine vision problems and eye abnormalities, and prescribe glasses, contact lenses and other optical aids to remedy problems. Optometrists diagnose, treat and help prevent diseases and abnormalities of the eye. They advise individuals and organisations on safety measures and preventative procedures.

Oral health studies provide an integrated program to educate students to work as school dental therapists and dental hygienists. School dental therapists work under the direction of a dentist and provide a range of oral health services to school children in government dental clinics. Dental hygienists work under the direct supervision of a dentist and undertake a range of duties including cleaning of teeth and education in oral health care. Dental technologists construct and repair dental appliances such as dentures, crowns and bridges. They are employed in private laboratories or in government dental clinics. See also ***dentistry***.

Pharmacy is concerned with the optimal use of medication. The pharmacist performs a specialised function within the health services, advising on the nature, correct use, administration and storage of drugs. Pharmacists also prepare medication, advise individuals on health concerns, research and develop medicines, and advise on government controls and regulations regarding medication supply and manufacture.

Physiotherapy is concerned with the care of persons of any age who have physical disability, pain or loss of function. A knowledge of normal body function and behaviour provides the basis for understanding responses to abnormalities of movement, injury, pain, disease, a variety of medical and other conditions, and for determining appropriate physiotherapy intervention. An appreciation of the effects of social, cultural and health policy issues together with an understanding of ethics and professional responsibilities, provides the basis for the practice of physiotherapy in the community. Through supervised clinical practice throughout the course, students gain experience in physiotherapy clinical decision-making and the management of clients of all ages. Graduates find employment in hospitals, nursing homes, clinics, centres for the disabled, community health centres, schools, and in private practice.

Podiatry is concerned with the prevention, diagnosis and treatment of foot and lower limb abnormalities, injuries and disease. Podiatrists educate the community on foot health and how to avoid or prevent foot disorders and abnormalities. They assist in rectifying flat feet and foot imbalances, and prescribe support devices or appliances.

Public health involves the study of general health and promotion of wellness of a community or population. Public health professionals are an essential part of any health-related organisation and work in capacities such as health administration personnel, managers, public health specialists, community aid workers, public health researchers, health promoters and teachers. Public health graduates have access to a wide range of employment opportunities in the public sector and non-government sector organisations. They are involved in immunisation campaigns and education programs on issues of current concern, from traffic and road safety to community awareness of health matters.

There are three areas of study in ***recreation*** courses. These are ***sports coaching***, ***recreation management***, and ***fitness***. These courses emphasise the importance of sport and leisure in our society. Studies combine a practical application of sporting knowledge with a theoretical background in business, communication and human relations. This prepares graduates for employment in the health and fitness and recreation industries. Careers include fitness counsellors, fitness instructors, recreation officers, recreation consultants, youth leaders, outdoor activity leaders, sport promotional officers, coaches, managers of fitness, leisure and community centres, personal trainers, aerobics instructors, sports development officers, and sports administrators.

Remedial massage equips graduates with the ability to assess and treat soft tissue dysfunction, to alleviate pain and enhance movement and function. It includes detailed studies of massage, soft tissue techniques, anatomy and physiology, clinical orthopaedic assessment, sports and exercise therapy and management of musculoskeletal injury

Speech pathology is concerned with the assessment and treatment of people who have a communication disability. It seeks to shed light on and analyse communication disorders in the areas of voice, fluency, hearing, speech, language and oral functioning. Speech pathologists work in a variety of settings including schools, hospitals, rehabilitation services, community health centres, nursing homes, mental health services, specialist centres, such as autistic centres, and in private practice.

Sport tourism management caters for the increase in management positions within the emerging sports tourism profession. The need for managers to face the unique challenges of sports tourism has increased due to the growth in the worldwide popularity of sports events such as the Olympic Games, World Games, and Masters Games; the growth in organisations established to attract events and tourists to cities; the increased importance of attaining good health through sport activity while also participating as a tourist; and the increased mobility of sports minded and travel minded people.

Government policies

State and Commonwealth legislation requires background, health and criminal record screening of applicants for employment involving contact with children, the infirm and the aged. In this context, employment includes unpaid work performed by students in the course of their studies.

Courses available

ACU National
B Nursing

Australian College of Natural Medicine
B Health Science (Acupuncture)
B Health Science (Homeopathy)
B Health Science (Naturopathy)
AdvD Acupuncture
AdvD Homeopathy
AdvD Naturopathy
AdvD Nutritional Medicine
AdvD Western Herbal Medicine
D Aromatherapy
D Beauty Therapy
D Health Science (Holistic Counselling Practice)
D Reflexology
D Remedial Massage
C IV Massage
C IV Traditional Chinese Medicine Remedial Massage (An Mo Tui Na)

Bond University
B Health Sciences
B Health Sciences (Retirement and Ageing)
B Health Sciences (Sports Coaching)
B Health Sciences (Sports Management)

Central Queensland University
B Biomedical Science
B Health (Health Promotion/Health Education)
B Health (Nursing)
B Human Movement Science
B Human Movement Science/B Learning Management (Secondary)
B Occupational Health and Safety
C Occupational Health and Safety

Griffith University
B Biomedical Science
B Exercise Science
B Exercise Science/B Arts in Psychology
B Exercise Science/B Business
B Exercise Science/B Education
B Health Science
B Nursing - pre-registration
B Nursing/B Health Promotion
B Oral Health in Dental and Oral Technology
B Oral Health in Dental Science
B Oral Health in Dental Technology
B Pharmaceutical Science
B Physiotherapy/B Exercise Science
B Science in Environmental Health
B Science in Environmental Health/B Food Science and Nutrition

James Cook University
B Biomedical Sciences
B Medical Laboratory Science
B Medicine, B Surgery
B Nursing Science (pre-registration)
B Occupational Therapy
B Pharmacy
B Sport and Exercise Science
B Sport and Exercise Science/B Business
B Sport and Exercise Science/B Education

Queensland University of Technology
B Applied Science (Exercise and Sports Nutrition)
B Applied Science (Human Movement Studies)
B Applied Science (in Human Movement Studies)/B Business
B Applied Science (in Human Movement Studies)/B Education (Secondary)
B Applied Science (Optometry)
B Health Science (Environmental Health)
B Health Science (Health Information Management)
B Health Science (Nutrition)
B Health Science (Nutrition and Dietetics)
B Health Science (Nutrition and Dietetics)/B Applied Science (Human Movement Studies)
B Health Science (Podiatry)
B Health Science (Podiatry)/B Applied Science (Human Movement Studies)
B Health Science (Public Health)
B Nursing and Health Services Management
B Nursing (Pre-registration)
B Nursing (Pre-registration)/B Applied Science (in Human Movement Studies)
B Nursing (Pre-registration)/B Health Science (Public Health)

Southern Cross University
B Exercise Science and Nutrition
B Human Movement Science
B Human Movement Science/B Education (Secondary)
B Human Movement Science/B Laws
B Naturopathy
B Nursing
B Sport Tourism Management

TAFE Queensland
AdvD Applied Science (Acupuncture)
AdvD Homoeopathy
AdvD Naturopathy/AdvD Western Herbal Medicine/B Natural Therapies
AdvD Sport and Recreation
D Anaesthetics Technology
D Beauty Therapy
D Community Recreation
D Dental Health Work (Dental Technology)
D Event Management
D Fitness
D Nursing (Pre-enrolment)
D Remedial Massage
D Sport (Development)
D Sport (Development)/CIV Sport (Coaching)
D Sport and Recreation
D Sport and Recreation/B Business
D Sport and Recreation/C IV Fitness
C IV Beauty Therapy
C IV Fitness
C IV Sport (Coaching)
C IV Sport and Recreation

The University of New England
B Nursing (pre-registration)

The University of Queensland
B Applied Health Science (Indigenous Primary Health Care)
B Applied Health Science (Oral Health)
B Applied Science (Human Movement Studies)
B Nursing
B Occupational Therapy
B Pharmacy
B Physiotherapy
B Speech Pathology

University of Southern Queensland
B Biomedical Science
B Nursing (pre-registration)

University of the Sunshine Coast
B Science (Biomedical Science)
B Science (Public Health)
B Science (Sport and Exercise Science)

HUMANITIES & SOCIAL SCIENCES

Arts courses are branches of tertiary studies which have traditionally included studies of the humanities, such as history, languages, literature and philosophy. Many contemporary courses emphasise the social sciences, such as anthropology, sociology, economics, geography, psychology, and government. Recently, newer areas including communication, cultural studies, media studies, and community studies have also appeared. Many courses emphasise an interdisciplinary approach. At high school these subjects might be referred to as Studies of Society and the Environment (SOSE).

Humanities

Art history is concerned with the role of painting, sculpture and architecture within specific periods. Attention is given to social, political and intellectual questions, as well as to the historical development of individual artists.

Architectural studies bridges the gap between the humanities and the technological sciences, and includes consideration of the main physical, social and political influences that have shaped the built environment from prehistory until the present day. Such studies examine architectural and art styles and fashions that have evolved over time.

Classics and ***ancient history*** are concerned with the history and civilisation (including the architecture, art, language, literature and philosophy) of ancient Greece and Rome, and of the ancient Near East. Studies in ancient history may incorporate archaeology.

Communication and media studies is a broad discipline that may involve studies in the following areas: ***communication studies*** looks at the theories of human communication at the interpersonal, organisational and mass communication levels, and at the development of communication skills; ***film and media studies*** looks at literature and the mass media in a social, political and historical context; ***journalism studies*** usually focuses on the history and development of the press, journalistic techniques and practice, and prepares students for a wide range of media professions including print, broadcast, and film and television journalism; ***media production*** provides the hands-on

experience required for radio, film and video production; ***public relations*** involves the research and development of an organisation's communication strategies.

English studies may include: literature (British, Australian, American, colonial, medieval and renaissance, and multicultural); cultural studies and communication (including screen studies, cultural theory and discourse analysis); linguistics; writing; drama (which aims to provide an understanding of both the literary and theatrical aspects); and medieval and renaissance studies.

History subjects bridge the humanities and social sciences and include special areas such as modern history and international relations. The understanding of specific historical questions is usually a major objective.

A ***language and linguistics*** course enables students to specialise in one or more languages. As part of this course students study the science of the language and its application to the process of learning within its cultural context.

Philosophy subjects involve a study of the plausibility, consistency and implications of fundamental beliefs and presuppositions in a number of areas. Conceptual approaches in relation to knowledge, morals, society, politics, science, religion and the social sciences are also studied, as are logic and the philosophy of language.

Religious studies includes general and comparative religion, specific religious traditions, languages including Biblical Greek, Hebrew and Latin and modern studies involving philosophy and the social sciences.

Theology incorporates the study of religious doctrines and their application to the wider community on both a personal and interpersonal scale. Career opportunities include work in the clergy, industrial chaplaincy and church welfare as well as religious publishing and youth work.

Interdisciplinary studies

American studies focuses on the literary, historical, cultural and political aspects of American society.

Asian studies concentrates upon the cultures, value systems, social organisation, languages and literature of a particular region and its people.

Australian studies analyses the different aspects of Australian culture, society and history, and compares these with those of other countries.

Cognitive science is the scientific study of the cognitive processes of the human brain. These cognitive processes include the areas of perception, language, learning, memory, thought, and comprehension. The brain's problem-solving, reasoning and deductive abilities are analysed and researched. The construction and architecture of computers and brains are compared and contrasted, with a view to creating artificial neural networks for computers.

Comparative literature and history studies looks at the production of literature in the context of the social, historical and political conditions under which they were produced, consumed and circulated.

Contemporary European studies explores the major issues confronting Europe at the end of the twentieth century.

Contemporary studies deals with the key forces for change in our culture, in order to enable students to understand and prepare for the developments that are already shaping their futures. It allows students to take a multidisciplinary approach to dealing with the tough issues in contemporary society.

Heritage and environmental tourism covers legislative, policy and practical issues relating to the protection and management of cultural, built and natural environments. Integration of culture, history and environment is the underlying theme which is related to tourism issues. Areas studied may include museums and public history, or the ecological and economic sustainability of eco-tourism or mass tourism.

Indigenous Australian studies examines aspects of Aboriginal and Torres Strait Islander societies, cultures and lifestyles and the contemporary issues and changes affecting them.

Library information studies focuses on developing the skills needed to organise and operate systems for handling recorded material and files. Library technicians work under the supervision of a librarian. Their role encompasses all aspects of library functions including the acquisition, organisation, circulation and maintenance of library materials.

Tourism and leisure studies examines the tourism and leisure industry in its social, economic, psychological and cultural contexts. Theories of recreation and planning and coordinating leisure programs are also covered.

Other areas of study include ***culture and politics***, ***women's studies***, ***gender and society***, ***the history and philosophy of science***, ***logic***, and ***peace and conflict studies***.

Social sciences

Applied ethics addresses the contemporary moral issues that have arisen from our rapidly growing society and the concurrent technology involved. Issues covered include business ethics, basic human rights, equal opportunity, medical ethics, environmental ethics, feminism and ethics, political ideologies, social change, multicultural problems, and social values.

Studies in ***anthropology*** explore culture and cultural systems. This involves researching contemporary societies and their beliefs, values and technologies. Anthropologists compare and contrast societies and communities and their sociocultural systems in order to learn and understand different ways of living. Major specialisations are possible in biological anthropology, linguistic anthropology, and social anthropology. Graduates find employment with universities, colleges, museums, research institutes, indigenous organisations, local community councils, community research, third world development agencies, and multinational corporations.

Archaeology is concerned with the scientific and cultural study of pre-historic and historic civilisations. Archaeologists attempt to reconstruct these societies' technologies, their adaptations and interactions with, and impacts on, the natural environment by analysing the physical traces left behind. Careers exist in the management and conservation of heritage, public education about heritage, the research of human origins, assisting indigenous communities to control their heritage, university research programs, museums, and as archeological consultants.

Geography involves the study of a wide variety of environmental, urban, rural, economic, social and political

problems. Biogeography, climatology, geomorphology, urban geography, economic geography, rural land use, resource management, remote sensing, geographical information systems and computer assisted cartography can be studied as well as the regional patterning of natural resources, their development and the associated human problems of selected areas.

Government/public policy covers such topics as comparative government, which can involve the study of Australian political institutions and governments of Asia; political ideas including modern political ideologies; and public administration and administrative theory.

Community welfare and human services deals with human social problems in a community environment and implements the procedures to handle those problems. It involves assisting and supporting individuals and groups within the community to overcome difficulties and life changes. Areas of specialisation include: aged services; community housing work; child and family studies; disability studies; diversional therapy; mental health services; rehabilitation counselling; youth services; and corrective services.

The term ***behavioural sciences*** encompasses a range of fields of study concerned with aspects of human behaviour in a variety of environments. A major field of study within the behavioural sciences is psychology. The term can also apply to fields such as anthropology, areas of sociology, management of human resources in the workplace, responses to changing work environments, and to health and safety.

Psychology is the scientific study of behaviour and mental processes. Psychologists are interested in the determinants of behaviour (finding out why people think and act as they do) and applying that knowledge to problems in health, education, organisational and other practical settings. In several areas of psychology, statistical methods are used to help answer the questions posed. Psychologists can specialise in a range of areas including clinical/counselling, cognition, developmental, physiological, organisational, and social psychology. Students who wish to practise as psychologists in Queensland will need to complete a fourth year of prescribed studies in psychology at a registered tertiary institution and, in addition, must complete two years of approved postgraduate study or supervised work experience in the field, in order to register with the Psychologists' Board of Queensland.

Social work involves dealing with specific human and social problems such as poverty, discrimination and inequality. Social workers attempt to support and assist people to resolve and deal with their individual problems. They also endeavour to prevent or reduce social injustices. They interact with the community and with individuals to ensure they have access to community resources and systems of support. Graduates can find employment in the following fields: Aboriginal affairs; community development; community health; correctional services; family and child welfare; mental health; social security; welfare and community planning; women's issues; youth work; and industrial welfare.

Sociology examines our contemporary society and the social changes that occur in the economy, social institutions, education, the family, industrial relations, the political system, and in our culture. Studies involve socialisation theories, class, status, gender, technology, religion, health, urban sociology, minority groups, revolution and social change, modernisation and development, crime and deviance, and social inequalities. This knowledge about our society assists in rectifying current problems and avoiding potential problems.

Employment

Employment for arts graduates includes administrative and managerial work in the public service, commerce and industry, as well as in journalism and other media related occupations, libraries, personnel, and welfare. Some enter the retail field, banking or insurance, others go into media production, or aspects of theatrical work, and a few become creative writers. Arts qualifications are often of a general nature and some students take further courses which will equip them for specific careers.

Many specialist postgraduate courses are available. For example, those who wish to enter the teaching profession will usually need to undertake a further course of teacher education in order to obtain registration with the Queensland Board of Teacher Registration.

Social science graduates can choose to work with the aged, adult and juvenile offenders, prisoners, homeless youth, victims of domestic violence, abused children, people who have a physical or intellectual disability, migrants, and refugees. Specifically trained social science graduates are skilled in providing health care planning and delivery, community welfare programs, and health education and promotion for government, community and private organisations. Graduates may also work with individuals, families and consumer groups in government, community, church or residential settings. Positions available to graduates include childcare officer, counsellor, community development worker, project officer, residential program officer, research officer, activity therapy centre supervisor/manager, prison officer, probation and parole officer, administrator/manager in nursing homes/hostels, youth worker and ethnic service worker.

Government policies

State and Commonwealth legislation requires background, health and criminal record screening of applicants for employment involving contact with children, the infirm and the aged. In this context, employment includes unpaid work performed by students in the course of their studies.

Courses available

ACU National
B Arts
B Arts/B Business
B Social Science
B Social Science (Pastoral Counselling)
B Theology
B Theology/B Social Science

Bond University
B Applied Psychology
B Arts
B Communication
B Film and Television
B Health Sciences (Behaviour Management)
B Health Sciences (Counselling)
B International Relations
B Social Science (Psychology)

Central Queensland University
B Arts
B Arts/B Business (Accounting)
B Arts/B Business (Human Resources Management)
B Arts/B Business (Information Systems)
B Arts/B Business (Management)

Central Queensland University continued
B Arts/B Business (Marketing)
B Arts/B Learning Management (Secondary)
B Communication
B e-Journalism
B Internet Communication
B Psychology
B Social Work
Adv D e-Journalism
D e-Journalism

Griffith University
B Arts
B Arts/B Business
B Arts/B Commerce
B Arts/B Education - Secondary
B Arts/B Theology
B Arts in Asian and International Studies
B Arts in Asian and International Studies/B Communication
B Arts in Environmental Management and Policy
B Arts in Japanese
B Arts in Languages and Applied Linguistics
B Arts in Languages and Applied Linguistics/B Education - Secondary
B Arts in Politics and Government
B Arts in Psychology
B Arts in Psychology/B Education - Primary
B Behavioural Science
B Behavioural Science/B Arts in Criminology and Criminal Justice
B Communication
B Human Services
B Human Services/B Arts in Criminology and Criminal Justice
B Human Services - Child and Family Studies
B Human Services/B Theology
B Journalism
B Psychology

James Cook University
B Arts
B Arts/B Business
B Arts/B Commerce
B Arts/B Journalism
B Arts/B Science
B Arts/B Social Work
B Arts/B Tourism Management
B Community Welfare
B Community Welfare/B Arts
B Community Welfare/B Business
B Community Welfare/B Social Science
B Community Welfare/B Visual Arts
B Indigenous Studies
B Journalism
B Languages
B Psychology
B Psychology (Indigenous)
B Psychology/B Science
B Psychology/B Social Science
B Public Policy
B Social Science
B Social Science/B Social Work
B Social Science (Environmental Studies)
B Social Work
AdvD Indigenous Studies
AdvD Women's Studies

Queensland University of Technology
B Arts
B Arts/B Applied Science
B Arts/B Business
B Arts/B Education (Early Childhood)
B Arts/B Education (Primary)
B Arts/B Education (Secondary)
B Arts/B Laws
B Behavioural Science (Psychology)
B Creative Industries (Media and Communication)
B Creative Industries (Media and Communication)/B Business (Advertising, International Business, Public Relations)
B Creative Industries (Media and Communication)/B Laws
B Journalism
B Journalism/B Business (Advertising, International Business, Public Relations)
B Journalism/B Laws
B Mass Communication
B Social Science
B Social Science (Human Services)

Southern Cross University
B Arts
B Arts/B Education (Secondary)
B Arts/B Laws
B Indigenous Studies
B Indigenous Studies/B Laws
B Media
B Psychology with Honours
B Social Science
B Social Science/B Laws
AB Arts (Writing)

TAFE Queensland
D Alcohol and Other Drugs Work
D Community Development
D Community Services (Community Work)
D Community Services (Community Work)/B Social Science
D Community Services (Community Work)/B Social Science (Human Services)
D Community Services Lifestyle and Leisure
D Community Welfare Work
D Editing (Publishing)
D Library and Information Studies
D Youth Work
C IV Alcohol and Other Drugs Work
C Youth Work
C Youth Work (Juvenile Justice)

The University of New England
B Arts
B Arts/B Commerce
B Arts/B Laws
B Arts/B Science
B Arts/B Teaching
B Asian Studies
B Communication Studies
B International Studies
B Languages
B Psychology with Honours
B Social Science

The University of Queensland
B Arts
B Arts/B Business Communication
B Arts/B Business Management
B Arts/B Education (Secondary)
B Arts/B Laws
B Behavioural Studies
B Communication
B Contemporary Studies
B Journalism
B Journalism/B Arts
B Journalism/B Laws
B Journalism/B Social Science
B Psychological Science
B Social Science
B Social Science/B Arts
B Social Science/B Education (Secondary)
B Social Work
B Social Work/B Arts
B Social Work/B Social Science

University of Southern Queensland
B Arts
B Arts/B Business
B Arts/B Commerce
B Arts/B Education (Secondary)
B Arts/B Science
B General Studies
B International Studies
B Mass Communication
B Multimedia Studies
B Science - Psychology
AB General Studies
D Community Welfare and Development
C Community Welfare and Development
C Corporate Communication
C General Studies
C Public Relations

University of the Sunshine Coast
B Arts
B Arts/B Business
B Arts/B Science
B Arts (Communication)
B Arts (Environment and Heritage)
B Arts (International Studies)
B Arts (Popular Culture)
B Social Science
B Social Science (Community Work)

INFORMATION TECHNOLOGY

Information technology is a term used to cover a wide range of computing activities. Academically, three main areas are defined - computer systems engineering, computer science, and information systems, which includes information environments, information management and information science.

Information technology courses take many forms. Some offer general introductions to information technology, with the opportunity to specialise in a particular area, others are specialist courses, and some allow for joint specialisation in another discipline along with a particular aspect of information technology. Some areas of specialisation include: ***computer applications and operations***; ***artificial intelligence***; ***computer technology***; ***data communication***; ***database design***; ***internal computing***; ***geographical information systems***; ***programming***; ***statistical computation***; and ***systems analysis and design***.

Communication technology covers the properties of different communication media, emphasising the hardware and software protocols used on these media. The systems software used to implement global computer networks such as the Internet and the World Wide Web, and the applications software used to build secure distributed cooperative multimedia applications are particular focuses of this specialisation.

Computer science is concerned with the study of computers, programming languages and their applications, and the fundamental principles of computing and computing systems. It has both theoretical and practical aspects, including the structure and organisation of information and computer systems, and the design and implementation of complex software.

Computer systems engineering is concerned with the study and development of computer technology, its application and its underlying concepts. This field is oriented towards the hardware of computer systems, including microprocessors, machine-level programming, computer networks and control systems.

Geographic Information Systems are computer systems capable of assembling, storing, manipulating, and displaying layers of geographically referenced information, identified according to their locations. Geographic information systems are used in land use planning, mapping, surveying, utilities management, ecosystems modelling, landscape assessment and planning, transportation and infrastructure planning, market analysis, visual impact analysis, real estate analysis and many other applications.

Information environments are the networked systems that groups use to work or play together. They ensure that everyone in an organisation has access to the information they need, and allow the distributed groups, scattered around the company, to work together effectively. They are the core which ensures that an organisation can operate properly. The focus of this area of study is on the design, deployment and evolution of these environments. Graduates in information environments are the architects and developers of 'cyberspace', moulding computers, networks and interfaces just as architects shape physical space. Graduates find employment in industry, business, government, defence, health, education, media and many other areas.

Information systems is concerned with the application of computing technology in commerce and administration. The principles and practices needed to design, implement and manage effective, integrated information systems for organisations are of particular concern. It includes study of database design and management, systems analysis and design, and an understanding of the environment in which organisations operate.

Information management/science is concerned with the planning, coordination and integration of all the information handling activities within organisations. Students develop the skills to establish and operate organisational information systems. Information managers enable the organisation to cope with diverse information needs, manage and rationalise information processes,

organise and utilise information from any source, and use information technology cost effectively.

Multimedia courses offer a general introduction to this field followed by a specialist series of units focusing on the educational, engineering, or artistic aspects of the medium. Graduates will be able to implement multimedia systems using a variety of modern visual, graphic and audio technologies, design methods, authoring languages, and software tools. Graduates find career opportunities with Internet usage, electronic marketing and publishing, futuristic sound and video production and games production.

Software engineering deals with the application of engineering principles to the development and maintenance of high quality software. Vital skills include the principles of computer science, design, engineering, management as well as clear written and verbal communication between team members, clients and users.

Employment

Information technology professionals find work with local government and semi-government organisations, educational and research institutions, computer suppliers, software consultants, and a wide variety of industrial and commercial organisations including retailing, banking and financial institutions, as well as mining and engineering companies. Information technology professionals work with technology, hardware and software, and programming languages. They work in communications and in business and administration, designing, operating and managing systems. They are involved in customer support, sales and marketing. They apply their computing knowledge in particular areas such as law, or use their knowledge in research and development.

The most common beginning professional occupations are systems analysts and programmers. Systems analysts define clients' problems and translate them into program specifications and design solutions (alternative job titles are: business analyst; application analyst; project leader; project manager; senior analyst; and system designer). Programmers convert program specifications to a set of instructions (programs) which can be directly interpreted by a computer, and create programs to meet specific objectives or make modifications to existing programs (alternative job titles are: senior programmer; trainee programmer). There are many specialist positions to progress to, for example, database manager, communications specialist, systems programmer, technical support specialist, knowledge engineer, information systems manager, systems manager, systems trainer, and computer sales and marketing officers.

Courses available

ACU National
B Information Systems

Bond University
B Information Systems
B Information Technology
B Science (Information Technology)

Central Queensland University
B Information Technology
B Information Technology/B Learning Management (Secondary)
B Information Technology/B Science (Applied Physics)
B Multimedia Studies
AdvD Information Technology

Griffith University
B Information Technology
B Information Technology/B Multimedia
B Information Technology with Advanced Studies
B Internet Computing
B Multimedia

James Cook University
B Information Technology

QANTM
B Applied Multimedia
B Interactive Entertainment
D e-Business/CIV Information Technology (Multimedia)
D Information Technology (Software Development)
D Multimedia/CIV Information Technology (Multimedia)
D Multimedia/CIV Information Technology (Multimedia) for women

Queensland Institute of Business and Technology
D Information Technology

Queensland University of Technology
B Information Technology
B Information Technology/B Education (Secondary)
B Information Technology/B Laws

Southern Cross University
B Information Technology
B Information Technology/B Laws
B Multimedia
AB Information Technology
AB Multimedia

TAFE Queensland
D e-Business
D Information Technology
D Information Technology (Software Development)/B Information Technology
D Information Technology (Software Development) (Data Base)/B Information Technology
D Information Technology (Software Development) Programming/B Business Information Management
D Information Technology (Software Development) Programming/B Information Technology
D Multimedia
D Multimedia/CIV Information Technology (Multimedia Integration)
D Multimedia/CIV Information Technology (Multimedia Integration) for Women
D Multimedia/CIV Multimedia

The University of New England
B Computer Science
B Computer Science/B Laws
B Information Technology/B Teaching

The University of Queensland
B Information Environments
B Information Environments/B Contemporary Studies
B Information Technology
B Information Technology/B Arts
B Information Technology/B Commerce
B Information Technology/B Journalism
B Information Technology/B Science

The University of Queensland continued
B Information Technology/B Laws
B Multimedia Design

University of Southern Queensland
B Informatics - Computer Software Development
B Informatics - Software Engineering
B Information Technology
B Information Technology/B Science
B Science (Information Technology)

University of the Sunshine Coast
B Information Technology (e-Commerce and Design)

LAW

Society exists within a framework of rules which regulate the relationship between individual members of that society, and between individuals and society in general (the State). These important rules are known as ***laws***. Gaining an awareness of the common law system, existing Acts of Parliament, particular court decisions and general principles of law, is an important part of legal training. However, knowledge of the law, in a fuller sense, includes knowing about the historical development of areas of the law, and the role of law as a framework for society and as an agent for the attainment of desirable social and economic objects.

Among the skills which are basic in the legal profession are: the ability to use and interpret words and terms; the ability to find the law (ie by intelligent and informed reading); the ability to discover what is relevant in a mass of information; the ability to think through legal issues; and the ability to express legal ideas in speech and writing.

Criminology and criminal justice/justice administration is a field of study which incorporates a detailed examination of the crime and components of the criminal justice system and relates closely to the continuing and emerging employment pattern in this field. Criminology and criminal justice/justice administration covers the areas of police studies, public security, corrections, and non-police law enforcement.

Paralegal/legal studies is the study of the legal system at a level not leading to admission as a barrister or solicitor. There are many people who wish to work in, or who are already working in law firms, corporations, government departments and court administration who seek professional legal qualifications.

Employment

Many lawyers enter private practice either as solicitors or as barristers. Others work in government departments (eg the Crown Law Office) or in commerce and industry.

In addition to completing a law course, students who wish to practise as solicitors or barristers must fulfil certain professional requirements.

A ***solicitor's*** practice takes in a great deal of documentary work ancillary to the running of almost every other kind of business. Solicitors are frequently called upon to draw up agreements, contracts, and superannuation schemes. They act as executors for estates of deceased persons and advise clients about the present state of the law in particular areas. In litigation, solicitors advise, investigate and prepare the groundwork necessary to bring the case to court. Solicitors are entitled to argue a case in court and often do so. Sometimes, however, they prefer to 'brief' a barrister, who is a trained advocate, to appear on their client's behalf. While the solicitor maintains the conduct of the action, the barrister can be called upon at various times to advise, draft documents, including the pleadings, and ultimately to appear in court on the client's behalf.

Those wishing to practice as solicitors must complete a degree, then either serve articles of clerkship with a solicitor, or complete the necessary postgraduate study and serve as an employed solicitor for a further year. The Rules also allow a graduate to be admitted after serving other periods of practical training, such as service as a Judge's associate.

Barristers form a separate branch of the profession. By convention, they perform the majority of advocacy work in the superior courts and also provide specialist advice. Those wishing to practice as barristers must enrol as a student-at-law with the Barristers' Board, submit written reports on 10 specified court proceedings to the Board and complete the Bar Practice Course which is a course of practical training.

Courses available

Bond University
B Business Law
B Jurisprudence
B Laws

Griffith University
B Arts in Criminology and Criminal Justice
B Laws/B Arts - Law and Asian Studies
B Laws/B Arts - Law, Criminology and Criminal Justice
B Laws/B Arts - Law, Media and Culture
B Laws/B Arts - Law, Politics and Public Policy
B Laws/B Arts - Law and Psychology
B Laws/B Behavioural Science - Law and Psychology
B Laws/B Business - Law and Business
B Laws/B Commerce - Law and Commerce
B Laws/B Environmental Planning - Law, Urban and Regional Planning
B Laws/B Information Technology - Law and Information Technology
B Laws/B International Business - Law and International Business
B Laws/B Science - Law and Environmental Science

James Cook University
B Laws
B Laws/B Arts
B Laws/B Business
B Laws/B Commerce
B Laws/B Economics
B Laws/B Public Policy
B Laws/B Science
B Laws/B Social Work

Queensland University of Technology
B Justice
B Justice/B Laws
B Laws

Southern Cross University
B Laws
B Legal and Justice Studies
B Legal and Justice Studies/B Laws
AB Law (Paralegal Studies)

TAFE Queensland
D Justice Administration
D Justice Administration /B Social Science
D Justice Administration /B Social Science (Human Services)

The University of New England
B Laws
B Laws combined degrees (see separate areas of interest)

The University of Queensland
B Laws

PRIMARY INDUSTRIES & ENVIRONMENT

Courses in the areas of primary industries and the environment are concerned with the sustainable use and management of soil, water, air, plants, and animals to meet the demands for food and fibre of an ever increasing world population. They also focus on the improvement of the environmental aspects of areas in which we live, through the use and management of horticultural plants and landscaping, and the conservation of our biodiversity for future generations.

Agribusiness involves the application of general management/business skills to agricultural settings. It covers all operations involved in the manufacture and distribution of farm supplies, production processes of farms, and the storage, processing and marketing of farm commodities.

Agricultural or rural science involves the scientific study of the physical, biological and social factors that affect the production, processing, marketing and distribution of food and fibre. Agricultural science is also concerned with environmental matters. The agricultural scientist is trained in the basic disciplines initially and through the integration of other disciplines, develops the research skills needed for problem-solving in rural industries and environmental areas.

Agricultural economics is an applied branch of economics which analyses resource management, marketing, international trade and government policy in the primary sectors, including agriculture and other national resource industries.

Agronomy is concerned with the efficient and sustainable use of broad acre food and fibre crops such as wheat or cotton, and with the use of native and introduced plants for conservation purposes and animal food.

Animal studies is concerned with the health, breeding, nutrition and production aspects of domestic animals such as cattle, sheep, pigs and poultry, the use of animals such as horses for recreational purposes, and the biology of Australia's unique wildlife.

Aquaculture, the commercial farming of aquatic plants and animals, includes freshwater, brackish, marine (mariculture) and hypersaline systems. It is becoming increasingly important globally as a source of food, as many wild fisheries are being exploited at or above their sustainable yields. The major gains in production of aquatic resources in recent years have come from increased output from aquaculture, especially in Asia where traditional practices have been improved through modern research and technology.

Ecotourism is concerned with the management, or recreational use for tourism, of natural areas, modified landscapes and wildlife habitats.

Environmental management deals with the interface between business, management and environmental science. Graduates would expect to find employment as consultants in government departments, industry or with commercial organisations.

Environmental modelling uses existing knowledge of environmental systems to make predictions about those systems, especially where environmental impacts are being assessed. Mathematical, statistical and simulation techniques are used to construct a model based on the operation principles of the particular environmental system; this is frequently implemented on a computer system. Manipulation of the model can then be undertaken to address hypothetical outcomes.

Environmental science is an interdisciplinary area concerned with the chemical, physical and biological aspects of the environment and its relationship with humans.

A course in ***equine studies*** prepares graduates for careers in almost any kind of business that involves horses. This may include work as a veterinary assistant, an assistant or manager of a horse stud, a horse trainer or as an equitation instructor.

Fisheries is a specialised area covering the study of 'wild' marine organisms and their environment, fish populations and their estimation, the management and behaviour of the catch, and the engineering and ecological aspects of catching systems. Post-harvest technology, fisheries economics, seafood marketing, and fisheries policy and law are also included as specialised areas.

Food technology is concerned with the management of foods from raw harvest, through production to the consumer. It aims to optimise food quality and quantity with safety and nutritional value of foods as a primary objective.

Forestry is concerned with the management of plantation and native forest for many different purposes, including timber production, tourism, nature conservation and bee keeping.

Horticultural technologists are concerned with the production, preparation and marketing of intensively managed crops such as fruits, vegetables, nuts, spices, cut flowers, foliage and nursery crops. They are also concerned with the development and management of parks and recreation facilities, and with both outdoor and indoor landscapes.

Land/water resource science is concerned with the management and conservation of all our natural resources.

Marine resources/aquatic resource management is designed for those seeking employment or already employed in organisations involved in the management of coastal or aquatic resources.

Marine science is a diverse interdisciplinary area which provides training in the marine related fields of aquaculture, biology, ecology, economics, engineering, geology, oceanography and management.

Nature conservation and wildlife management are concerned with the management of landscapes and wildlife within a social, economic and scientific framework.

Natural resource economics is a branch of economics which applies economic principles and techniques to the analysis of firm-level, regional, national and global problems in the use of natural resources.

Graduates of ***plant/crop protection*** courses will be equipped with the skills to fight the insects, weeds and plant diseases that can destroy our food, fibres and livelihoods.

Courses in ***rural management*** offer professional, technologically-based training in agriculture or horticulture which is strongly management-oriented.

Rural technology integrates knowledge related to animal and plant production, agricultural mechanisation, soil and water conservation, and plant protection, with the economic and environmental aspects of these activities.

Soil science involves the scientific study of soil systems. This includes the testing, classifying and mapping of the soil and its surrounding area. Soil scientists attempt to conserve and manage soil in agricultural settings, urban settings and the natural environment. They develop and implement research programs to ensure the preservation of soil systems.

Employment

Courses related to primary industries and agriculture open up a wide range of career opportunities to graduates at both professional and technical levels. Positions are available in government departments as research, extension and marketing officers; in companies servicing the agricultural sector in research, extension, management, marketing and consulting; in enterprises such as crop and animal farms, nurseries, orchards, landscape construction and maintenance companies, and land care groups; in horse riding and training establishments; in timber milling and processing firms; and in education.

Career opportunities for graduates in environment and natural resources are varied. Depending on the orientation of the course, graduates may obtain professional or technical level employment in research based positions in organisations such as CSIRO or government departments of nature conservation and natural resources. They also work as management officers, rangers and technicians in national parks and wildlife services; as environmental consultants; as agricultural and resource economists; as policy advisers in government and private sector agencies; as mine rehabilitation officers; as environmental officers in local government authorities; in environmental planning and assessment organisations; in land and river care agencies; in tourist resorts as managers and interpretative officers; and in wildlife sanctuaries and zoos.

Graduates of food technology will have employment opportunities in food production and processing, quality control, regulatory affairs, new product development, exporting and importing, and education.

Courses available

Agricultural Colleges of Queensland
D Business Administration/AdvD Agriculture
D Agriculture
D Conservation and Land Management
D Horticulture (Production)

Australian Maritime College
B Applied Science (Fisheries)

Central Queensland University
B Environmental Science

Griffith University
B Environmental Management
B Environmental Science
B Science in Ecotourism

James Cook University
B Applied Science (Applied Ecology and Conservation or Aquaculture or Environmental Science)
B Applied Science (Environmental Management)
B Applied Science (Spatial Analysis and Geographic Information Systems)
B Applied Science (Tropical Agriculture)

Southern Cross University
B Applied Science (Coastal Management, Environmental Resource Management, Fisheries and Aquaculture Management, and Marine Science and Management)
B Applied Science/B Education (Secondary)
B Applied Science/B Laws
B Applied Science (Forestry)
AB Applied Science (Resource Technology)

TAFE Queensland
AdvD Renewable Energy
D Conservation and Land Management
D Food Technology
D Horticulture

The University of New England
B Agribusiness
B Agricultural Economics
B Agriculture
B Environmental Science
B Natural Resources
B Natural Resources/B Urban and Regional Planning
B Rural Science

The University of Queensland
B Agribusiness
B Agribusiness/B Applied Science (Agronomy, Animal Studies, Horticulture)
B Agribusiness/B Applied Science (Food Science and Nutrition)
B Agricultural Science (Animal Science) or (Plant and Soil Science)
B Agricultural Science/B Arts
B Agricultural Science/B Education (Secondary)
B Agricultural Science (Rural Management or Rural Technology)
B Applied Science (Agronomy)
B Applied Science (Agronomy)/B Arts
B Applied Science (Agronomy)/B Education (Secondary)
B Applied Science (Animal Studies)
B Applied Science (Animal Studies)/B Arts
B Applied Science (Animal Studies)/B Education (Secondary)
B Applied Science (Environmental Tourism)
B Applied Science (Environmental Tourism)/B Arts
B Applied Science (Environmental Tourism)/B Education (Secondary)
B Applied Science (Horticulture)
B Applied Science (Horticulture)/B Arts
B Applied Science (Horticulture)/B Education (Secondary)
B Applied Science (Protected Area Management)
B Environmental Management (Natural Systems and Wildlife)
B Environmental Management (Natural Systems and Wildlife)/B Laws

The University of Queensland continued
B Environmental Management (Rural Systems)
B Environmental Management (Sustainable Development)
B Environmental Management (Sustainable Development)/B Laws
B Environmental Management (Tropical Forestry)
B Natural Resource Economics
B Natural Resource Economics/B Arts
B Natural Resource Economics/B Education (Secondary)
D Applied Science (Agronomy)
D Applied Science (Animal Production)
D Applied Science (Equine Studies)
D Applied Science (Forestry)
D Applied Science (Horticulture)
D Applied Science (Marine Resources)
D Applied Science (Wilderness Reserves and Wildlife)

University of the Sunshine Coast
B Science (Environmental Science)

SCIENCES

In the areas of science and technology, there are tertiary courses in the biological sciences, earth sciences, environmental sciences, medical sciences, veterinary science, mathematics and computer sciences, and in the physical and applied sciences. Most extend over three years and some can be taken in conjunction with other fields such as arts, law and business. Graduates sometimes study a little longer to gain a second qualification, for example, in education or economics. Some, especially those who hope to undertake a career in research, proceed to higher degrees.

Aviation/nautical sciences

Aviation courses prepare graduates for employment as commercial pilots and other careers in the general field of aviation. Commercial pilots perform charter work, flight instruction (theory and practical), and other aerial services including agricultural spraying, aerial surveying and photography.

Nautical science is an area of applied science covering the knowledge requirements of a deck officer in a merchant navy environment. It includes the fields of navigation, communications, ship management, marine surveying, nautical knowledge, maritime law and industrial relations, cargo handling and stowage, and ship operations.

Biological sciences

Biochemistry is concerned with the chemical processes which occur in living organisms. It deals with the structure and properties of the chemical constituents of living matter and of compounds produced by living matter. ***Anatomy*** deals with form and structure at other levels of organic complexity. ***Physiology*** is concerned with the body fluids, cells, tissues and organs and the way in which these individual parts are integrated. A closely-related discipline is ***pharmacology***, the study of chemical substances which modify physiological function. ***Entomology*** involves all aspects of insects and related forms. Main areas of specialisation are taxonomy and morphology, applied entomology, ecology, and medical and veterinary entomology. ***Parasitology*** deals with parasitic animals, the diseases they cause, and the nature of the host-parasite relationship.

Biology is concerned with living things and their relationships to one another, as well as to the physical environment. Biology is divided into zoology and botany. ***Zoology*** deals with animal life from its single-celled form to large animals, being concerned with the anatomy (structure), physiology (functioning), and the behaviour and ecology of the various forms of animal life. Special studies include ***aquaculture***, ***ecology***, ***marine biology***, animal behaviour, comparative physiology, genetics, cytology, histology, systematics, and evolution. ***Botany*** covers all aspects of plant science: why plants grow where they do; how they grow; and the effect that the activities of nature and man have upon them. Areas of specialisation include ***ecology and conservation***, ***plant molecular biology***, ***plant pathology***, ***plant physiology and biochemistry***, ***molecular systematics***, and ***marine botany***.

Microbiology subjects are concerned with living organisms that are microscopic in size. Bacteriology, virology and immunology are particularly important areas of study. The subjects are essentially biological in character, but a good background in the physical and chemical sciences, especially biochemistry, is important.

Interdisciplinary biological areas

There are many developing interdisciplinary areas such as cell and tissue biology, ***genetics and evolution***, ***ecology and ecosystems***, anatomical and physiological bases of human movement, ethology, and microbial chemistry.

Biotechnology is a rapidly growing field which covers many aspects of science for the development of new products and/or processes. Biotechnologists integrate and apply knowledge from a range of scientific disciplines including molecular biology, genetics, biochemistry, microbiology, immunology, engineering, material science, chemistry, and mathematics to create novel products of commercial, scientific and medical value.

Biotechnology includes many different activities including: fermentation technologies for plant, insect and mammalian cell culture; the development of recombinant organisms; and waste remediation.

Computational biology is the application of computing to the management of large biological datasets and the use of such information to understand biological processes. Applications span the full range of biological investigation from the analysis of molecular structure and function to the modelling of complex systems such as ecosystems. Computational biology thus occupies a niche at the interface between the biological and mathematical sciences.

Drug design and development/pharmaceutical chemistry involves the design of new pharmaceutical chemicals and making them available to the community through successive stages of synthesis, testing, formulation and large-scale production.

Food science, nutrition and technology studies the fundamental physical, chemical and biochemical nature of foods and also the principle of food processing. Food technologists develop, research, select, preserve, process, package and distribute what should be safe, wholesome, nutritional and appealing food stuffs. Some food scientists choose to work on the physiology of food, the sociology of food (cultural differentiation) and the business practice of food manufacture, distribution and retailing. Many food scientists work in the fields of health, nutrition, and sanitation. Food scientists also work in formulating guidelines and regulatory statutes.

Earth sciences

Archaeology is the scientific study of past human activities, by discovering and analysing their physical traces. These traces include artefacts, buildings, campsites and shipwrecks. Evidence of environments which have been altered less visibly are analysed on a chemical or microscopic basis. Both prehistoric and historic societies are studied, as are human origins and evolution.

Earth resources is the study of the distribution of elements within the solid earth, the hydrosphere and the atmosphere, and the principles governing their migration. As such, Earth resources includes disciplines as diverse as mining and exploration geochemistry and environmental science. It involves the study of geology, chemistry and other science subjects.

Earth Science is the broad term used to describe studies of the solid earth, the hydrosphere, and the atmosphere. It includes studies of the properties of the Earth, the natural processes that act upon both its surface and its interior, and the history of its evolution. The numerous branches of Earth Science studies are based on applying various combinations of chemistry, physics, mathematics, computing, or biology to Earth systems. The boundaries between the numerous branches commonly overlap. Earth Scientists (including geologists, geophysicists, geochemists and palaeontologists) find employment in government and private sectors including the minerals and energy industry; civil engineering consultancies; environmental and groundwater consultancies; and research institutions such as CSIRO and universities.

Exploration geology, mining geology, exploration geophysics and mining geophysics are the application of geology and geophysics to the exploration and mining of deposits of minerals, metals, and fuels essential to our survival and well-being. Basic geology or geophysics studies are complemented by practical application studies.

Geographic information science is the study of geographic information systems and remote sensing for modelling, managing, analysing and applying georeferenced information in a variety of contexts. It includes the analysis of geographical information obtained from airborne and satellite images, land surveying, field observation, and database systems. It spans a range of theoretical and applied techniques focusing on applications in environmental science, built environment, human settlement, and natural resource systems.

Geography involves the study of a wide variety of environmental, urban, rural, economic, social and political problems. Concentration is placed on the regional patterning of natural resources, their development and associated human problems. The disciplines of biogeography, climatology, hydrology, geomorphology, rural land use, remote sensing, geographic information systems, economic geography and urban geography are all covered.

Geology is the branch of Earth Sciences concerned with the materials, chemistry, structure, and landforms of the Earth; the history of formation of the continents and oceans; and the techniques used to interpret these features. It involves the study of geology, chemistry and geochemistry, and other science courses.

Geophysics is the branch of Earth Sciences that studies, and images, the interior of the Earth using such physical properties and phenomena as seismic waves, heat flow, gravity, and magnetism. It involves the study of geology, physics, mathematics, and computing.

Meteorology is the science of forecasting the weather and studying the physics and dynamics of the atmosphere, climate and weather patterns. Meteorologists study specific climate change and investigate the most efficient methods of analysing and forecasting atmospheric conditions. They analyse and interpret atmospheric data relating to weather conditions and research and develop new theoretical concepts.

Oceanography is divided into four main disciplines. It covers these sciences: geological (the origin and evolution of ocean basins and margins); physical (tides, waves, currents and their physical interactions); chemical (the chemistry of sea water and how sea water interacts with biological aspects of the ocean environment); and biological (life in the oceans, productivity and habitats).

Environmental sciences

There are increasing opportunities for employment in environmental protection and monitoring. The following specialisations all involve the preservation and management of various environments and identification of the potential hazards that negatively affect them. Graduates find employment in national parks, local councils, environmental protection agencies, environmental impact assessment consultancies, mine site rehabilitation, sustainable forestry and fisheries management, pollution control, environmental awareness promotion, and water management.

Air, land and water science requires intensive background knowledge in the sciences combined with an awareness of the functioning of the atmosphere, land and water systems. Land and water scientists assess, evaluate and manage these systems in regard to their degradation, rehabilitation and conservation. They assess the impact of agricultural, rural and urban developments on air, soil and water systems and attempt to minimise these impacts.

Coastal management involves analysing, assessing and monitoring coastal habitats and water quality in both estuaries and inshore areas. Areas of critical importance include marine ecosystems, coastal ecosystems, aquatic ecosystems, and coastal protected areas. Studies also include how to repair and restore critically damaged areas.

Ecology courses concentrate on the study of how living organisms interact with their environment. These environments range from the individual, the community and the ecosystem itself.

Ecotourism courses have developed from the increasing tourism industry in Australia. Studies focus on specific environmental regulations and the environmental impact of tourism on different ecosystems. Tourist organisations use ecotourism specialists to ensure the effect of developments and tourist programs on the environment is minimal.

Mathematics and computer science

Computer science involves designing, developing and implementing computer systems. This can be on either a general level for generic distribution or designed to particular specifications for an organisation. Computer scientists design elements of a computer system such as: operating systems; computer languages; graphics and image processing; and networks. Graduates find careers as systems analysts, programmers, computer engineers, operations researchers, and software specialists.

Within ***mathematics***, there are five broad areas of interest: ***pure mathematics***; ***applied mathematics***; ***corporate mathematics***; ***physical mathematics***; and ***statistics***. Many scientific disciplines depend upon mathematics, both in their theoretical aspects and the practical applications of the sciences.

Mathematicians are employed by large companies to keep their communication technology, management methods and specialist products ahead of their rivals. They are required by superannuation funds, health insurance funds, governments, and large corporations to analyse and solve complex business and social problems. There is scope within universities and research organisations such as CSIRO for those who are interested in either pure or applied mathematical research.

Statisticians solve quantitative problems for which no theory can make exact predictions. Applied statisticians design experiments and analyse data in biological, medical, general scientific and sociological research. They are also involved in business management, marketing, and financial analysis. The work might involve forecasting for decision-makers or operational research to improve efficiency for managers.

Medical sciences

Biomedical science encompasses knowledge from a number of disciplines including chemistry, physics, mathematics, biochemistry, physiology, pharmacology, histology, bacteriology, immunology, virology, pathology, psychology, and the social sciences. Graduates find employment as biomedical scientists/researchers in health science fields.

Clinical laboratory techniques and ***medical laboratory science*** covers the various skills required in clinical laboratories to perform tests and procedures which are used to diagnose disease and disorders. Duties include setting up and maintaining equipment, preparing slides, and collecting blood samples. Areas of specialisation include: medical microbiology; haematology; anatomical pathology; clinical chemistry; and cytology.

Forensic science incorporates a number of disciplines designed with an emphasis on the presentation of medical evidence in criminal cases. Studies include molecular biology, chemistry, physics, biochemistry and pathology which can be applied to a wide range of careers.

Human movement science is an interdisciplinary field concerned with understanding how and why human movement occurs, the adaptations to movement which occur with training, and changes in movement which result from maturation and ageing. Biological perspectives on human movement provide a basis for a wide range of professions in the areas of sport and exercise science, health promotion and health and physical education.

Medical radiation technology is divided into two strands: medical imaging technology, which involves the use of x-rays, ultrasound, nuclear medicine, and possibly other modalities in the production of images to facilitate the diagnosis and subsequent management of disease and injury; and radiotherapy technology, which involves the planning and use of ionising radiation to cure, relieve or contain disease. Technologists work in conjunction with medical specialists and may be employed in public hospitals or private practices.

Sport science assesses and analyses the human body's performance in daily life, leisure and recreation activities, and in athletic pursuits. Sports scientists attempt to maximise body performance utilising their analysis and specific performance objectives. Graduate opportunities are available in a variety of sport, health and fitness-related areas such as: activities officers; gym managers; exercise therapists; outdoor education officers; and fitness consultants.

Physical sciences

Chemistry can be broadly divided into four areas: organic chemistry, concerned with carbon compounds; inorganic chemistry, the study of the compounds of metals and non-metals; physical chemistry in which physical and mathematical methods are used in studying chemical phenomena; and analytical chemistry in which the composition of materials is illustrated.

Industrial chemistry is concerned with the application of chemical principles to the chemical industry, including the acquisition, processing and analysis of raw materials. It is also concerned with the quality control of products, computer process control applications, and the nature of reactors and their control. The industrial chemist must not only understand the chemistry of industrial processes but have the skills to operate and improve chemical plants. It involves the study of chemistry, industrial chemistry, computer engineering and mathematics.

Instrumentation is concerned with the application of physics to the design and construction of high-technology apparatus and leads to employment in industries which seek to develop the next generation of technology.

Laser sciences involves combining a variety of theoretical and practical skills that lead to an understanding of the fundamentals of optics, spectroscopy, the principles of laser design and construction, the interfacing of computers and microprocessors to laser and optical instrumentation, and the use of these technologies to address technological challenges in the research and industrial arena. Graduates are likely to be employed in jobs relating to the design and manufacture of optical information systems (eg barcode scanners, text and graphics reproduction), compact disk technologies, laser systems for industrial and agricultural alignment functions, lasers in spectroscopic applications such as particle sizing and atmospheric remote sensing, and lasers in medicine and ophthalmology.

Materials science combines interests in a variety of fields of science and technology. It includes the development of new materials as well as the study of existing ones including metals, minerals, glasses and ceramics, synthetic and natural polymers, composite materials, electronic and photovoltaic materials, crystal growth, nano and biomedical materials. New materials are increasingly part of everyday objects as well as high-tech devices and materials science study has important applications such as forensic investigation or in assessing the condition of materials in existing structures, eg aircraft or heritage buildings.

Physics is concerned with the fundamental properties of the universe (nuclei, atoms and molecules), and with the laws that govern their behaviour. Some areas of specialisation are in mechanics, relativity, nuclear physics, optics, microprocessors, geophysics, measurement and instrumentation, and radiation physics.

Employment

Courses in science open up opportunities for employment in a great diversity of fields. Those who study science essentially for its intrinsic interest may become teachers or take up research.

Some graduates will find employment as scientists, technologists or technicians in government departments such as the Departments of Fisheries, Health, National Parks and Wildlife Services, Primary Industries, or in private industry. In these settings, there is work in a very wide range of positions: hospital and medical research laboratories; sugar mills; teaching laboratories in schools and

tertiary institutions; laboratories concerned with the production of a variety of chemicals, foodstuffs, building materials and machinery; laboratories concerned with animal and plant research; and services to primary industry.

Graduates are also employed in the mining industry and minerals exploration, field stations, the aviation industry, libraries, and museums.

Veterinary science

Veterinary science deals with the production, husbandry and care of animals in health and disease. These may be divided broadly into food animals and companion animals. Veterinary science provides students with a basic training suitable to serve both groups and to work in related sciences. More than half of the veterinary graduates are employed in private practice, the remainder work mainly for government departments or in universities or research institutes. Employment is also found in the area of wildlife and conservation, in policy planning for large companies with agricultural interests, and in developing countries where animal agriculture is vital.

Courses available

Australian Maritime College
AdvD Applied Science (Nautical Science)

Bond University
B Biomedical Sciences

Central Queensland University
B Informatics
B Mathematical Science/B Learning Management (Secondary)
B Mathematical Science/B Science (Applied Physics)
B Science
B Science (Applied Physics)
B Science (Applied Physics)/B Learning Management (Secondary)
B Science (Chemical Sciences)/B Learning Management (Secondary)
B Science (Chemical Sciences)/B Information Technology
B Science (Chemical Sciences)/B Mathematical Science

Griffith University
B Aviation
B Biomolecular Science
B Biotechnology
B Food Science and Nutrition
B Forensic Science
B Forensic Science/B Arts in Criminology and Criminal Justice
B Photonics and Nanoscience
B Science
B Science/B Arts - Science Communication
B Science/B Information Technology
B Science with Advanced Studies
B Science with Aviation
B Science in Ecology and Conservation Biology
B Science in Land and Water Management

James Cook University
B Biotechnology
B Science
B Science (Computer Science)
B Science (Tropical Marine Network Program)

Queensland University of Technology
B Applied Science
B Applied Science (Dean's Scholars Accelerated Honours Program)
B Applied Science/B Business
B Applied Science/B Education (Primary)
B Applied Science/B Education (Secondary)
B Applied Science/B Information Technology
B Applied Science/B Laws
B Applied Science (Environmental Science)
B Applied Science (Environmental Science)/B Health Science (Environmental Health)
B Applied Science (Medical Science)
B Applied Science - Medical Radiation Technology
B Applied Science Innovation
B Biotechnology Innovation
B Mathematics
B Mathematics/B Business (Accountancy, Banking and Finance or Economics)
B Mathematics/B Information Technology

TAFE Queensland
D Applied Science - Biotechnology
D Laboratory Technology

The University of New England
B Mathematics/B Teaching
B Science
B Science/B Laws
B Science/B Teaching
B Science (Advanced)
B Science (Biomedical Science)

The University of Queensland
B Applied Science (Food Science and Nutrition)
B Applied Science (Food Science and Nutrition)/B Arts
B Applied Science (Food Science and Nutrition)/B Education (Secondary)
B Applied Science (Geophysics)
B Biotechnology
B Environmental Science
B Food Technology
B Marine Studies
B Science
B Science (Biomedical Science)
B Science/B Arts
B Science/B Education (Secondary)
B Science/B Laws
B Veterinary Science

University of Southern Queensland
B Bioinformatics
B Science - Applied Mathematics
B Science - Biology
B Science - Climatology
B Science - Science
B Science/B Business
B Science/B Education (Secondary)
C Climate Studies

University of the Sunshine Coast
B Science
B Science (Microbiology and Biotechnology)n

EXPLANATORY NOTES

The following tables list the courses expected to be offered (as at June 2003) through QTAC in 2006. The tables also list course durations and modes of attendance, prerequisite subjects and other requirements, and the proposed use of Field Positions for selection purposes where Overall Position bands prove too broad for selection. Any additional requirements are set out in the *QTAC Guide: Tertiary Courses* publication which is provided by QTAC to all Year 12 students around July each year. The *QTAC Guide* is also available for purchase from QTAC's Milton offices as well as newsagents throughout Queensland and northern NSW. See the copyright page for QTAC contact details.

COURSE TITLE:

Within course titles, the abbreviations used have the following meanings:

B .....Bachelor's Degree

AB.....Associate Degree

AdvD.....Advanced Diploma

D .....Diploma

C .....Certificate

DURATION:

The duration of a course (which appears in the second column of the course tables) is the minimum number of years in which that course may be completed, according to the mode in which the course is undertaken.

F .....full-time - 3F indicates that 3 full-time years make up the course

P .....part-time - 6P indicates that 6 part-time years make up the course

X .....external - 6X indicates that 6 distance education years make up the course

FL .....flexible delivery, combining a mixture of on and off-campus study - 4FL indicates that 4 flexible delivery years make up the course

PREREQUISITES:

The prerequisite subjects for a course appear in the third column of the tables set out in the following pages, and must be met to gain admission to the course. These Authority subjects must be completed at the Senior level (Years 11 and 12) or through equivalent qualifications. Other requirements for entry may also be included in this column.

EXIT ASSESSMENT:

Abbreviations used under the heading of 'Exit Assessment' refer to Queensland secondary school studies under the ROSBA Scheme and have the following meanings:

VHA .....Very High Achievement

HA .....High Achievement

SA .....Sound Achievement

LA .....Limited Achievement

VLA .....Very Limited Achievement

FIELDS USED FOR SELECTION WITHIN OVERALL POSITION:

Primary means this field will be considered first within an OP band where finer selection is necessary.

Secondary means this field will only be considered if the Primary field is not fine enough.

FIELD DESCRIPTIONS:

A	=	**FIELD A**	Extended written expression involving complex analysis and synthesis of ideas
B	=	**FIELD B**	Short written communication involving reading comprehension and expression in English or a foreign language
C	=	**FIELD C**	Basic numeracy involving simple calculations and graphical and tabular interpretation
D	=	**FIELD D**	Solving complex problems involving mathematical symbols and abstractions
E	=	**FIELD E**	Substantial practical performance involving physical or creative arts or expressive skills

AGRICULTURAL COLLEGES OF QUEENSLAND (ACQ)

• At time of publication, all ACQ course fees were set according to standard government charges; contact ACQ for details

Course Title	Course Duration in Years	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP: Primary	Fields used for Selection within OP: Secondary
Primary Industries & Environment				
D Business Administration/AdvD Agriculture – Dalby	2F	Completion of Year 12 *or* equivalent *plus* interview	Not Applicable	
D Agriculture - Burdekin	2F			
D Agriculture - Dalby	2F			
D Agriculture - Emerald	2F			
D Agriculture - Longreach	2F			
D Conservation and Land Management - Mareeba	2F			
D Horticulture (Production) - Burdekin	2F			
D Horticulture (Production) - Emerald	2F			

AUSTRALIAN CATHOLIC UNIVERSITY (ACU NATIONAL)

Course Title	Course Duration in Years	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP: Primary	Fields used for Selection within OP: Secondary
Business & Tourism				
B Business with majors in human resource management, information systems, international business, and marketing *hecs/fee*	3F *or* 6P	English (4,SA), Maths A, B or C (4,SA)	C	B
B Business/B Information Systems *hecs/fee*	4F *or* 8P			
Education				
B Education (Primary) *hecs/fee*	4F	English (4,SA); Maths A recommended	B	C
Health & Recreation				
B Nursing *hecs/fee*	3F	English (4,SA)	B	C
Humanities & Social Sciences				
B Arts with majors in Asian studies, Australian studies, behavioural science, business studies, computing and technology studies, drama, economics, history, literature, music, philosophy, psychology, sociology, theological studies, and visual arts *hecs/fee*	3F *or* 6P	English (4,SA)	A or B	ø
B Arts/B Business *hecs/fee*	4F *or* 8P	English (4,SA), Maths A, B or C (4,SA)		
B Social Science *hecs/fee*	3F or 6P	English (4,SA)		
B Social Science (Pastoral Counselling) *hecs/fee*	3F *or* 6P			
B Theology *hecs/fee*	3F *or* 6P			
B Theology/B Social Science *hecs/fee*	4F *or* 8P			
Information Technology				
B Information Systems *hecs/fee*	3F	English (4,SA)	C	B

hecs/fee Places in these courses are available on a HECS or a full fee-paying basis; contact ACU for details.

ø A Field Position will be used for selection within an Overall Position only in marginal instances where selection cannot be made on prerequisite and Overall Position only. The Field Position used as the secondary selector in such marginal cases will be the best of all Field Positions other than the one used as the primary selector.

AUSTRALIAN COLLEGE OF NATURAL MEDICINE (ACNM)

• All ACNM courses are offered on a full fee-paying basis; contact ACNM for details

Course Title	Course Duration in Years	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP: Primary	Fields used for Selection within OP: Secondary
BRISBANE & GOLD COAST CAMPUSES				
Health & Recreation				
B Health Science (Acupuncture)	4F *or* 8P	Interview may be required	Not Applicable	
B Health Science (Homeopathy)[a]	4F *or* 8P			
B Health Science (Naturopathy)	4F *or* 8P			
AdvD Acupuncture	3F *or* 6P			
AdvD Homeopathy[a]	3F *or* 6P			
AdvD Naturopathy	3F *or* 6P			
AdvD Nutritional Medicine	3F *or* 6P			
AdvD Western Herbal Medicine	3F *or* 6P			
D Aromatherapy	1 1/2F *or* 3P	Nil		
D Beauty Therapy[a]	1F *or* 2P	Interview may be required		
D Health Science (Holistic Counselling Practice)[a]	2F *or* 4P	Nil		
D Reflexology	1 1/2F *or* 3P			
D Remedial Massage	1 1/2F *or* 3P			
C IV Massage	1F *or* 2P			
C IV Traditional Chinese Medicine Remedial Massage (An Mo Tui Na)	1F *or* 2P			

a This course available at Brisbane campus only.

AUSTRALIAN MARITIME COLLEGE (AMC)

• At time of publication, all AMC bachelor degree courses were HECS-based with other course fees also set according to standard government charges; contact AMC for details

Course Title	Course Duration in Years	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP: Primary	Fields used for Selection within OP: Secondary
Business & Tourism				
B Administration (Marine Resources)	3F *or* 6P	English (4,SA); a science subject and a business related subject recommended	Not Applicable	
B Business (Maritime and Logistics Management)	3F *or* 6P *or* 6X	English (4,SA); maths and a business related subject recommended		
AdvD Maritime Business	2F *or* 2X	Completion of Year 12 *or* equivalent		
D Maritime Business	1F *or* 2X	Completion of Year 10 *or* equivalent assumed		
D Stevedoring (Operational Management)	2X			
C IV Maritime Business	1/2F *or* 1X			
Engineering & Technology				
B Applied Science (Maritime Technology Management)	3F	English (4,SA); Physics and maths recommended	Not Applicable	
B Engineering (Marine and Offshore Systems)	4F	English (4,SA), Maths B (4,SA), Physics (4,SA); Chemistry and Maths C recommended		
B Engineering (Naval Architecture)	4F			
B Engineering (Ocean Engineering)	4F			
AdvD Marine Engineering[a,b]	3F	English (4,SA), Maths A, B or C (4,SA); Physics recommended		
C IV Commercial Marine Surveying	1X *or* 2X	Maths A (4,SA), Physics (4,SA), *or* a seagoing Certificate of Competency, *or* substantial maritime industry experience		
Primary Industries & Environment				
B Applied Science (Fisheries)[a]	3F	English (4,SA), Maths A, B or C (4,SA)[c], a science subject[d] (4,SA)	Not Applicable	
Sciences				
AdvD Applied Science (Nautical Science)	3F	English (4,SA), Maths A, B or C (4,SA), a science subject[d] (4,SA)	Not Applicable	

a Successful applicants are required to satisfy Australian Maritime Safety Authority (AMSA) or state marine authority statutory health and fitness requirements (including eyesight for some courses); contact the Australian Maritime College for further information, phone (03) 6335 4711.

b Students are required to undertake a period of in-service training in order to gain Australian Maritime Safety Authority (AMSA) or state marine authority Certificate of Competency.

c Students with Maths A must undertake AMC Mathematics Bridging to acquire calculus skills.

d Includes Chemistry, Biological Science, Physics, Agriculture and Animal Production, Agricultural Science, Earth Science, Multi-Strand Science or Marine Studies. Chemistry and Physics are considered highly desirable.

BOND UNIVERSITY (BU)*

• All BU courses are offered on a full fee-paying basis; contact BU for details

Course Title	Course Duration in Years	Prerequisites	Fields used for Selection within OP	
		Subjects (No. of Sem Units, Exit Assessment)	Primary	Secondary
Business & Tourism				
B Business Administration	2F *or* 4P	Interview; English recommended	Not Applicable	
B Commerce	2F *or* 4P	Interview; English and maths recommended		
B Communication (Business)	2F *or* 4P	Interview; English recommended		
B Electronic Commerce	2F *or* 4P	Interview; English and maths recommended		
B Finance	2F *or* 4P			
B International Business	2F *or* 4P			
Health & Recreation				
B Health Sciences	2F *or* 4P	Interview; English recommended	Not Applicable	
B Health Sciences (Retirement and Ageing)	2F *or* 4P			
B Health Sciences (Sports Coaching)	2F *or* 4P			
B Health Sciences (Sports Management)	2F *or* 4P			
Humanities & Social Sciences				
B Applied Psychology	2F *or* 4P	Interview; English recommended	Not Applicable	
B Arts	2F *or* 4P			
B Communication	2F *or* 4P			
B Film and Television	2F *or* 4P			
B Health Sciences (Behaviour Management)	2F *or* 4P			
B Health Sciences (Counselling)	2F *or* 4P			
B International Relations	2F *or* 4P			
B Social Science (Psychology)	2F *or* 4P			
Information Technology				
B Information Systems	2F *or* 4P	Interview; English recommended	Not Applicable	
B Information Technology	2F *or* 4P	Interview; English and maths recommended		
B Science (Information Technology)	2 1/2F *or* 5P	Interview; English recommended		
Law				
B Business Law	2F *or* 4P	Interview; English recommended	Not Applicable	
B Jurisprudence	2F *or* 4P			
B Laws	2 1/2F *or* 5P			
Sciences				
B Biomedical Sciences	2 1/3F *or* 5 1/3P	Interview; Biological Science assumed[a]; English, Chemistry and Maths B recommended	Not Applicable	

* Bond University operates on a tri-semester system, with admissions in January, May and September, phone Bond University for details.

a Refer to Introduction, page 4, for a definition of assumed knowledge.

CENTRAL QUEENSLAND UNIVERSITY (CQU)

• **At time of publication, all CQU courses were HECS-based**

Course Title	Course Duration in Years	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP: Primary	Fields used for Selection within OP: Secondary
ROCKHAMPTON CAMPUS				
Built Environment & Design				
B Building Design	6X	English, science subjects, and Maths B recommended	C or D	B
B Building Surveying	6X			
B Construction Management	8X			
AdvD Building Design	4X			
AdvD Building Inspection	4X			
Business & Tourism				
B Business (Accounting)	3F *or* 6P *or* 3X *or* 6X	English and maths recommended	C	B
B Business (Accounting)/B Business (Information Systems)	4F *or* 8P *or* 4X *or* 8X			
B Business Administration with majors in accounting and finance, economics, human resources management, legal studies, management, marketing, or tourism	3F *or* 6P *or* 3X *or* 6X			
B Business Administration/B Learning Management (Secondary)	4F *or* 8P	English (4,SA); maths recommended	B	C
B Business Administration/B Professional Communication	4F *or* 8P *or* 4X *or* 8X	English (4,SA)	C	B
B Business (Human Resources Management)	3F *or* 6P *or* 3X *or* 6X	English and maths recommended		
B Business (Information Systems)	3F *or* 6P *or* 3X *or* 6X			
B Business (Management)	3F *or* 6P *or* 3X *or* 6X			
B Business (Marketing)	3F *or* 6P *or* 3X *or* 6X			
B e-Commerce	3F *or* 6P *or* 3X *or* 6X			
B Tourism	3F *or* 6P *or* 6X			
Creative & Performing Arts				
B Performing Arts	3F	Audition and interview	E	B
Education				
B Learning Management (Early Childhood)	4F†	English (4,SA)	B	C
B Learning Management (Primary)	4F†			
B Learning Management (Professional Japanese)	4F†			
B Learning Management (Secondary)	4F†			
Engineering & Technology				
B Engineering with majors in civil, electrical/electronics, or mechanical engineering	4F	English (4,SA), Maths B or C (4,SA); Physics recommended	C or D	B
B Engineering (Computer Systems)	4F *or* 8P	English (4,SA), Maths B (4,SA)		
B Engineering (Co-op)	4 1/2F	English (4,SA), Maths B (4,SA); Physics recommended		
B Engineering Technology	3F *or* 6P *or* 6X	English, science subjects, and maths recommended		
B Engineering Technology/B Business Administration	4F *or* 8P *or* 8X			
B Engineering Technology/B Learning Management (Secondary)	4F *or* 8P	English (4,SA)		
AdvD Engineering	2F *or* 4P *or* 4X	English, science subjects, and maths recommended		

Central Queensland University (CQU) *continued*

Course Title	Course Duration in Years	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP: Primary	Fields used for Selection within OP: Secondary
Health & Recreation				
B Biomedical Science	3F *or* 6P *or* 3X *or* 6X	Biological Science and Chemistry recommended	A or B or C	D
B Health (Health Promotion/Health Education)	1F *or* 2P *or* 3X *or* 6X	English (4,SA); Biological Science and Chemistry recommended	B or C	A
B Health (Nursing)Ω	3F *or* 6P			
B Human Movement Science	3F *or* 6P *or* 3X	English (4,SA); Biological Science and/or a physical education subject recommended		
B Human Movement Science/B Learning Management (Secondary)	4F *or* 8P	English (4,SA); Biological Science and/or a physical education subject recommended	B	C
B Occupational Health and Safety	3F *or* 6P *or* 3X *or* 6X	English and a science subject recommended	B or C	A
C Occupational Health and Safety	1P *or* 1X	English recommended		
Humanities & Social Sciences				
B Arts with majors in Aboriginal and Torres Strait Islander studies[a], Asia-Pacific studies, Australian studies, environmental studies, film studies, geography, history, Japanese language, literary and cultural studies, literary studies, methods of social research, sociology, and welfare studies	3F *or* 6P *or* 6X[b]	English (4,SA)	A or B	C
B Arts/B Business (Accounting)	4F *or* 8P *or* 4X *or* 8X	English (4,SA); maths recommended	C	B
B Arts/B Business (Human Resource Management)				
B Arts/B Business (Information Systems)				
B Arts/B Business (Management)				
B Arts/B Business (Marketing)				
B Arts/B Learning Management (Secondary)	4F *or* 8P	English (4,SA)	B	C
B Communication	3F *or* 6P *or* 3X *or* 6X	English (4,SA)	A or B	C
B e-Journalism	3F *or* 6P *or* 3X *or* 6X			
B Internet Communication	3F *or* 3X	English (4,SA)	C	B
B Psychology	4F *or* 8P *or* 4X *or* 8X	English (4,SA)	A or B	C
B Social Work	4FL *or* 8FL			
AdvD e-Journalism	1F *or* 2P *or* 1X *or* 2X			
D e-Journalism	1/2F *or* 1P *or* 1/2X *or* 1X			
Information Technology				
B Information Technology	3F *or* 6P *or* 6X	English (4,SA)	C	B
B Information Technology/B Learning Management (Secondary)	4F *or* 8P	English (4,SA)	B	C
B Information Technology/B Science (Applied Physics)	4F *or* 8P *or* 8X	Maths B or C (4,HA), Physics (4,HA)	C	B
B Multimedia Studies	3F *or* 6P *or* 3X *or* 6X	English (4,SA)	A or B	C
AdvD Information Technology	2X *or* 3X *or* 4X	Nil	C	B
Primary Industries & Environment				
B Environmental Science	3F *or* 6P *or* 6X	English or a social science subject, and Biological Science or Chemistry recommended	A or B or C	D
Sciences				
B Informatics	3F *or* 6P *or* 6X	Maths B or C (4,SA)	C	B
B Mathematical Science/B Learning Management (Secondary)	4F *or* 8P	English (4,SA), Maths B or C (4,SA)	C or D	B
B Mathematical Science/B Science (Applied Physics)	4F *or* 8P *or* 8X	Maths B or C (4,HA), Physics (4,HA)	C	B
B Science (Aquatic Resource Management, Biological Sciences, Chemical Sciences, Marine Ecology)	3F *or* 6P *or* 6X	English (4,SA); Biological Science, Chemistry, and Maths B recommended	C or D	ø

Course Title	Course Duration in Years	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP: Primary	Fields used for Selection within OP: Secondary
Rockhampton campus *continued*				
Sciences *continued*				
B Science (Applied Physics)	3F *or* 6P *or* 6X	Maths B (4,SA), Physics or another maths[c] (4,SA)	C	B
B Science (Applied Physics)/B Learning Management (Secondary)	4F	English (4,SA), Maths B (4,SA), Physics or another maths[c] (4,SA)		
B Science (Chemical Sciences Plan)/B Learning Management (Secondary)	4F	English (4,SA)	C or D	B
B Science (Chemical Sciences Plan)/B Information Technology	4F *or* 8P *or* 8X	English (4,SA)	C	B
B Science (Chemical Sciences Plan)/B Mathematical Science	4F *or* 8P *or* 8X	English (4,SA), Maths B or C (4,HA)		
BUNDABERG CAMPUS				
Business & Tourism				
B Business (Accounting)	3F *or* 6P	English and maths recommended	C	B
B Business (Accounting)/B Business (Information Systems)	4F *or* 8P			
B Business Administration[d]	3F *or* 6P			
B Business Administration/B Professional Communication	4F *or* 8P	English (4,SA)		
B Business (Human Resources Management)	2F *or* 4P††	English and maths recommended		
B Business (Information Systems)	3F *or* 6P			
B Business (Management)	1F *or* 2P†††			
B Business (Marketing)	1F *or* 2P†††			
B e-Commerce	3F *or* 6P			
B Tourism	1F *or* 2P†††			
Education				
B Learning Management (Early Childhood) - also available at Cooroora Secondary College, Pomona	4F†	English (4,SA)	B	C
B Learning Management (Primary) - also available at Cooroora Secondary College, Pomona	4F†			
Engineering & Technology				
B Aviation Technology	2F *or* 4P††	English (4,SA), Maths B or C (4,SA); Physics (2,SA) assumed[e]	C or D	B
Health & Recreation				
B Biomedical Science	1F *or* 2P†††	Biological Science and Chemistry recommended	A or B or C	D
B Health (Health Promotion/Health Education)	1F *or* 2P†††	English (4,SA); Biological Science and Chemistry recommended		
B Health (Nursing)[Ω]	3F *or* 6P			
B Human Movement Science	1F *or* 2P†††	English, Biological Science and/or a physical education subject recommended	B or C	A
B Occupational Health and Safety	1F *or* 2P†††	English and a science subject recommended		
Humanities & Social Sciences				
B Arts[f]	3F *or* 6P	English (4,SA)	A or B	C
B Arts/B Business (Accounting)	4F *or* 8P††††	English (4,SA); maths recommended	C	B
B Arts/B Business (Human Resource Management)	2F *or* 4P††††			
B Arts/B Business (Information Systems)	4F *or* 8P††††			
B Arts/B Business (Management)	1F *or* 2P††††			
B Arts/B Business (Marketing)	1F *or* 2P††††			
B Communication	3F *or* 6P	English (4,SA)	A or B	C
Information Technology				
B Information Technology	3F *or* 6P	English (4,SA)	C	B
B Information Technology/B Science (Applied Physics)	1F *or* 62P†††	Maths B or C (4,HA), Physics (4,HA)		
B Multimedia Studies	3F *or* 6P	English (4,SA)	A or B	C
Primary Industries & Environment				
B Environmental Science[f]	3F *or* 6P	English or a social science subject, and Biological Science or Chemistry recommended	A or B or C	D

Central Queensland University (CQU) *continued*

Course Title	Course Duration in Years	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP: Primary	Fields used for Selection within OP: Secondary
Bundaberg campus *continued*				
Sciences				
B Informatics	1F *or* 2P†††	Maths B or C (4,SA)	C	B
B Science (Aquatic Resource Management, Biological Sciences, Chemical Sciences, Marine Ecology)	1F *or* 2P†††	English (4,SA); Biological Science, Chemistry, and Maths B recommended	C or D	ø
B Science (Chemical Sciences Plan)/B Information Technology	1F *or* 2P†††	English (4,SA)	C	B
B Science (Chemical Sciences Plan)/B Mathematical Science	1F *or* 2P†††	English (4,SA), Maths B or C (4,HA)		
EMERALD CAMPUS				
Business & Tourism				
B Business (Accounting)	1F *or* 2P†††	English and maths recommended	C	B
B Business (Accounting)/B Business (Information Systems)	1F *or* 2P†††			
B Business Administration	1F *or* 2P†††			
B Business (Human Resources Management)	1F or 2P†††			
B Business (Information Systems)	1F *or* 2P†††			
B Business (Management)	1F *or* 2P†††			
B Business (Marketing)	1F *or* 2P†††			
Education				
B Learning Management (Early Childhood)	4F	English (4,SA)	B	C
B Learning Management (Primary)	4F			
GLADSTONE CAMPUS				
Business & Tourism				
B Business (Accounting)	3F *or* 6P	English and maths recommended	C	B
B Business (Accounting)/B Business (Information Systems)	4F *or* 8P			
B Business Administration[f]	3F *or* 6P			
B Business Administration/B Professional Communication	4F *or* 8P	English (4,SA)		
B Business (Human Resources Management)	1F *or* 2P†††	English and maths recommended		
B Business (Information Systems)	3F *or* 6P			
B Business (Management)	2F *or* 4P††			
B Business (Marketing)	1F *or* 2P†††			
B e-Commerce	3F *or* 6P			
B Tourism	1F *or* 2P†††			
Education				
B Learning Management (Early Childhood)	4F†	English (4,SA)	B	C
B Learning Management (Primary)	4F†			
Engineering & Technology				
B Engineering with majors in civil, electrical/electronics, or mechanical engineering	1F†††	English (4,SA), Maths B (4,SA); Physics recommended	C or D	B
B Engineering (Computer Systems)	1F†††	English (4,SA), Maths B (4,SA)		
B Engineering (Co-op)	1F†††	English (4,SA), Maths B (4,SA); Physics recommended		
Humanities & Social Sciences				
B Arts	1F *or* 2P†††	English (4,SA)	A or B	C
B Arts/B Business (Accounting)	4F *or* 8P††††	English (4,SA); maths recommended	C	B
B Arts/B Business (Human Resource Management)	1F *or* 2P††††			
B Arts/B Business (Information Systems)	4F *or* 8P††††			
B Arts/B Business (Management)	2F *or* 4P††††			
B Arts/B Business (Marketing)	1F *or* 2P††††			
B Communication	3F *or* 6P	English (4,SA)	A or B	C
Information & Technology				
B Information Technology	3F *or* 6P	English (4,SA)	C	B
B Information Technology/B Science (Applied Physics)	1F *or* 2P†††	Maths B or C (4,HA), Physics (4,HA)		
B Multimedia Studies	3F *or* 6P	English (4,SA)	A or B	C

Course Title	Course Duration in Years	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP: Primary	Fields used for Selection within OP: Secondary
Gladstone campus *continued*				
Sciences				
B Mathematical Science/B Science (Applied Physics)	1F *or* 2P†††	Maths B or C (4,HA), Physics (4,HA)	C	B
B Science (Applied Physics)	1F *or* 2P†††	Maths B (4,SA), Physics or another maths[c] (4,SA)		
MACKAY CAMPUS				
Business & Tourism				
B Business (Accounting)	3F *or* 6P	English and maths recommended	C	B
B Business (Accounting)/B Business (Information Systems)	4F *or* 8P			
B Business Administration[d]	3F *or* 6P			
B Business Administration/B Professional Communication	4F *or* 8P	English (4,SA)		
B Business (Human Resources Management)	1F *or* 2P†††	English and maths recommended		
B Business (Information Systems)	3F *or* 6P			
B Business (Management)	1F *or* 2P†††			
B Business (Marketing)	3F *or* 6P			
B e-Commerce	3F *or* 6P			
B Tourism	3F *or* 6P			
Education				
B Learning Management (Early Childhood)	4F	English (4,SA)	B	C
B Learning Management (Primary)	4F			
Engineering & Technology				
B Engineering with majors in civil, electrical/electronics, or mechanical engineering	1F†††	English (4,SA), Maths B or C (4,SA); Physics recommended	C or D	B
B Engineering (Computer Systems)	1F†††	English (4,SA), Maths B (4,SA)		
B Engineering (Co-op)	1F†††	English (4,SA), Maths B (4,SA); Physics recommended		
Health & Recreation				
B Biomedical Science	1F *or* 2P†††	Biological Science and Chemistry recommended	A or B or C	D
B Health (Health Promotion/Health Education)	1F *or* 2P†††	English (4,SA); Biological Science and Chemistry recommended	B or C	A
B Health (Nursing)Ω	3F *or* 6P	English (4,SA); Biological Science or Chemistry recommended		
Humanities & Social Sciences				
B Arts[f]	3F *or* 6P	English (4,SA)	A or B	C
B Arts/B Business (Accounting)	4F *or* 8P††††	English (4,SA); maths recommended	C	B
B Arts/B Business (Human Resource Management)	2F *or* 4P††††			
B Arts/B Business (Information Systems)	4F *or* 8P††††			
B Arts/B Business (Management)	1F *or* 2P††††			
B Arts/B Business (Marketing)	4F *or* 8P††††			
B Communication	3F *or* 6P	English (4,SA)	A or B	C
Information Technology				
B Information Technology	3F *or* 6P	English (4,SA)	C	B
B Information Technology/B Science (Applied Physics)	1F *or* 2P†††	Maths B or C (4,HA), Physics (4,HA)		
B Multimedia Studies	3F *or* 6P	English (4,SA)	A or B	C
Primary Industries & Environment				
B Environmental Science[f]	1F *or* 2P†††	English or a social science subject, and Biological Science or Chemistry recommended	A or B or C	D
Sciences				
B Informatics	1F *or* 2P†††	Maths B or C (4,SA)	C	B
B Mathematical Science/B Science (Applied Physics)	1F *or* 2P†††	Maths B or C (4,HA), Physics (4,HA)		
B Science (Aquatic Resource Management, Biological Sciences, Chemical Sciences, Marine Ecology)	1F *or* 2P†††	English (4,SA); Biological Science, Chemistry, and Maths B recommended	C or D	ø

Central Queensland University (CQU) *continued*

Course Title	Course Duration in Years	Prerequisites	Fields used for Selection within OP	
		Subjects (No. of Sem Units, Exit Assessment)	Primary	Secondary
Mackay campus *continued*				
Sciences *continued*				
B Science (Applied Physics)	1F *or* 2P†††	Maths B (4,SA), Physics or another maths[c] (4,SA)	C	B
B Science (Chemical Sciences Plan)/B Information Technology	1F *or* 2P†††	English (4,SA)		
B Science (Chemical Sciences Plan)/B Mathematical Science	1F *or* 2P†††	English (4,SA), Maths B or C (4,HA)		
CENTRAL QUEENSLAND CONSERVATORIUM OF MUSIC - MACKAY				
B Jazz Studies	3F *or* 6P	Audition and interview	E	B
B Music (Performing Arts) - Mackay and Rockhampton	3F *or* 6P			
B Music Theatre	3F *or* 6P			

Ω The B Health (Nursing) is also offered through the delivery site of the Sunshine Coast. Call CQU admissions (4930 9000) for details.

ø Field Positions will be used for selection within an OP only in marginal instances where selection cannot be made on prerequisite and OP only. The Field Position used as the secondary selector in such marginal cases will be the best of all Field Positions other than the one used as the primary selector.

† Students can undertake an accelerated program over three years with extra courses completed during the spring/summer term.

†† The first two years of this program is offered at this campus. The program may be completed at Rockhampton or by distance education.

††† The first year only of this program is available at this campus. The program may be completed by study at Rockhampton. Some programs may also be completed by distance education.

†††† Full-time and part-time options depend on the selection of arts and business majors. Where the full program is not available the progam may be completed by study at Rockhampton. Some programs may also be completed by distance education.

a This major is only offered by distance education.

b Subject availability is restricted in distance education mode, please contact the program adviser on (07) 4930 9661 for further details.

c The remaining (4,SA) of Physics or another maths (cannot be Maths A) can be satisfied by a combination of both, eg Physics (2,SA) and Maths C (2,SA) or equivalent.

d This campus offers the full degree program for students undertaking the accounting major, and the first year of all other majors.

e Students without Physics (2,SA) will be required to undertake the Introduction to Physics bridging course during their first semester of study (see also Introduction, page 4, for a definition of assumed knowledge).

f Some subjects are only offered by distance education.

GRIFFITH UNIVERSITY (GU)

• **At time of publication, all GU courses were HECS-based, except for the Preparatory Program (music); contact GU for details**

Course Title	Course Duration in Years	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP: Primary	Fields used for Selection within OP: Secondary
NATHAN – MT GRAVATT CAMPUSES				
Built Environment & Design				
B Environmental Planning	4F	English (4,SA)	B or C	ø
B Environmental Planning/B Science - Urban and Regional Planning and Environmental Science	5F	English (4,SA), Maths A, B or C (4,SA)		
Business & Tourism				
B Commerce	3F *or* 6P	English (4,SA)	B or C	ø
B Commerce/B Behavioural Science	4F			
B Commerce/B Leisure Management	4F			
B Commerce - Banking, Finance and Risk Management	3F *or* 6P	English (4,SA), Maths B or C (4,SA)		
B International Business	3F	English (4,SA)		
B International Business/B Arts in Asian and International Studies	4F	English (4,SA)	A or B or C	ø
B International Business/B Commerce	4F	English (4,SA)	B or C	ø
B International Relations	4F			
B Leisure Management	3F	Nil		
B Marketing	3F	English (4,SA)		
Creative & Performing Arts				
B Arts in Applied Theatre	3F	English (4,SA), *plus* audition and interview	A or B	ø
B Digital Screen Production	3F	English (4,SA)	B or C or E	ø
Education				
B Education - Primary	4F	English (4,SA)	B or C or E	ø
B Education - Secondary (Drama)	4F	English (4,SA), *plus* audition and interview; Drama recommended	A, B or E	ø
B Education - Secondary (English or Social Sciences)	4F	English (4,SA)	B or C or E	ø
B Education - Secondary (Health and Physical Education)	4F	English (4,SA)	B or C	ø
B Education - Secondary (Mathematics, Science or Computing)	4F	For maths and computing teaching area: English (4,SA), Maths B or C (4,SA); for science teaching area: English (4,SA), Maths B or C (4,SA), *plus* one of Biological Science, Chemistry or Physics (4,SA)		
B Education - Special Education	4F	English (4,SA)		
B Fine Art/B Education - Secondary	4 1/2F	English (4,SA) *plus* portfolio and questionnaire	B or E	ø
B Science/B Education - Secondary	4F	English (4,SA), Maths B or C (4,SA), *plus* one of Biological Science, Chemistry or Physics (4,SA)	B or C or D	ø
B Technology Education	4F	English (4,SA); maths, Graphics, Engineering Technology, and/or a science subject recommended	B or C	ø
Engineering & Technology				
B Computer and Communication Technology	3F	English (4,SA), Maths B (4,SA), *plus* one of Chemistry, Physics, Information Processing Technology, or Maths C (4,SA)	C or D	ø
B Engineering in Computer Systems Engineering	4F			
B Engineering in Environmental Engineering	4F	English (4,SA), Maths B (4,SA), *plus* one of Biological Science, Chemistry, Physics, or Maths C (4,SA)		
B Engineering in Environmental Engineering/B Science	5F			
B Engineering in Microelectronic Engineering	4F	English (4,SA), Maths B (4,SA), *plus* one of Chemistry, Physics, Information Processing Technology, or Maths C (4,SA)		
B Engineering in Microelectronic Engineering/B Information Technology	5F			
B Engineering in Microelectronic Engineering/B Science	5F	English (4,SA), Maths B or C (4,SA), *plus* one of Chemistry or Physics (4,SA)		
B Engineering in Software Engineering	4F			

Griffith University (GU) *continued*

Course Title	Course Duration in Years	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP: Primary	Fields used for Selection within OP: Secondary
Nathan – Mt Gravatt campuses *continued*				
Engineering & Technology *continued*				
B Environmental Technology	3F	English (4,SA), *plus* one of Maths A, B or C (4,SA)	B or C	ø
B Technology with Aviation	3F	English (4,SA), Maths B or C (4,SA), *plus* one of Chemistry or Physics (4,SA)	C or D	ø
Health & Recreation				
B Biomedical Science	3F	English (4,SA), Maths B or C (4,SA), *plus* one of Biological Science, Chemistry, or Physics (4,SA)	C or D	ø
B Nursing - pre-registration	3F *or* 6P	English (4,SA)	B or C	ø
B Pharmaceutical Science	3F	English (4,SA), Maths B or C (4,SA), *plus* one of Biological Science, Chemistry, or Physics (4,SA)	C or D	ø
Humanities & Social Sciences				
B Arts	3F *or* 6P	English (4,SA)	A or B	ø
B Arts/B Commerce	4F			
B Arts/B Education - Secondary	4F	English (4,SA)	A or B or C	ø
B Arts/B Theology	5F	Admission to the course is based on the entry requirements to the Brisbane College of Theology. Contact the College for further details	Not Applicable	
B Arts in Asian and International Studies	3F	English (4,SA)	A or B	ø
B Arts in Asian and International Studies/B Communication	4F			
B Arts in Environmental Management and Policy	3F			
B Arts in Languages and Applied Linguistics	3F			
B Arts in Languages and Applied Linguistics/ B Education - Secondary	4F	English (4,SA)	A or B or C	ø
B Arts in Politics and Government	3F			
B Behavioural Science	3F	Nil	B or C	ø
B Behavioural Science/B Arts in Criminology and Criminal Justice	4F *or* 8P			
B Communication	3F	English (4,SA)	A or B	ø
B Psychology	4F	Nil	B or C	ø
Information Technology				
B Information Technology	3F	English (4,SA), Maths A, B or C (4,SA)	C or D	ø
B Information Technology/B Multimedia	4F			
B Information Technology with Advanced Studies	3F			
B Multimedia	3F	English (4,SA); maths recommended	B or C	ø
Law				
B Arts in Criminology and Criminal Justice	3F *or* 3X *or* 6P *or* 6X	Nil	B or C	ø
B Laws/B Arts - Law and Asian Studies	5F	English (4,SA)	A or B or C	ø
B Laws/B Arts - Law, Criminology and Criminal Justice	5F			
B Laws/B Arts - Law, Media and Culture	5F			
B Laws/B Arts - Law, Politics and Public Policy	5F			
B Laws/B Behavioural Science - Law and Psychology	5F			
B Laws/B Commerce - Law and Commerce	5F			
B Laws/B Environmental Planning - Law, Urban and Regional Planning	5F			
B Laws/B International Business - Law and International Business	5F			

Course Title	Course Duration in Years	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP: Primary	Fields used for Selection within OP: Secondary
Nathan – Mt Gravatt campuses *continued*				
Law *continued*				
B Laws/B Science - Law and Environmental Science	5F	English (4,SA); Maths B or C recommended *plus* one of Biological Science, Chemistry, or Physics recommended	A or B or C	ø
Primary Industries & Environment				
B Environmental Management	4F	English (4,SA), Maths A, B or C (4,SA)	B or C	ø
B Environmental Science	3F			
Sciences				
B Aviation	3F	English (4,SA), Maths B or C (4,SA), *plus* one of Biological Science, Chemistry, or Physics (4,SA)	C or D	ø
B Biomolecular Science	3F			
B Biotechnology	3F			
B Forensic Science	4F	English (4,SA), Maths B or C (4,SA), *plus* one of Biological Science, or Chemistry (4,SA)		
B Forensic Science/B Arts in Criminology and Criminal Justice	4F			
B Photonics and Nanoscience	4F	English (4,SA), Maths B or C (4,SA), *plus* one of Chemistry or Physics (4,SA)		
B Science	3F	English (4,SA), Maths B or C (4,SA), *plus* one of Biological Science, Chemistry, or Physics (4,SA)		
B Science/B Arts - Science Communication	4F	English (4,SA), Maths B or C (4,SA), *plus* one of Biological Science, Chemistry, or Physics (4,SA)	A, B, C or D	ø
B Science/B Information Technology	4F	English (4,SA), Maths B or C (4,SA), *plus* one of Biological Science, Chemistry, or Physics (4,SA)	C or D	ø
B Science with Advanced Studies	3F			
B Science with Aviation	3F			
B Science in Ecology and Conservation Biology	3F	English (4,SA), Maths A, B or C (4,SA)	B or C	ø
B Science in Land and Water Management	3F			
LOGAN CAMPUS				
Business & Tourism				
B Business Management	3F *or* 6P	English (4,SA)	B or C	ø
B Commerce in Financial Planning and Investments	3F *or* 6P			
Education				
B Education - Primary	4F	English (4,SA)	B or C or E	ø
B Human Services/B Education - Primary	4 1/2F	English (4,SA)	B or C	ø
Health & Recreation				
B Nursing - pre-registration	3F *or* 6P	English (4,SA)	B or C	ø
B Nursing/B Health Promotion	4F			
B Science in Environmental Health	3F			
B Science in Environmental Health/B Food Science and Nutrition	4F	English (4,SA), Maths B or C (4,SA), *plus* one of Biological Science, Chemistry, or Physics (4,SA)		
Humanities & Social Sciences				
B Arts	3F	English (4,SA)	A or B	ø
B Communication	3F			
B Human Services	3F	English (4,SA)	B or C	ø
B Human Services/B Arts in Criminology and Criminal Justice	4F *or* 8P			
B Human Services - Child and Family Studies	3F			
B Human Services/B Theology	4 1/2F	English (4,SA). Admission to the course is based on the entry requirements to the Brisbane College of Theology. Contact the College for further details		

Griffith University (GU) *continued*

Course Title	Course Duration in Years	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP: Primary	Fields used for Selection within OP: Secondary
Logan campus *continued*				
Information Technology				
B Information Technology	3F	English (4,SA), Maths A, B or C (4,SA)	C or D	ø
B Internet Computing	3F			
Sciences				
B Food Science and Nutrition	3F	English (4,SA), Maths B or C (4,SA), *plus* one of Biological Science, Chemistry, or Physics (4,SA)	C or D	ø
B Science	3F			
GOLD COAST CAMPUS				
Business & Tourism				
B Business	3F *or* 6P	English (4,SA); maths recommended	B or C	ø
B Business/B Arts in Japanese	4F	English (4,SA); maths recommended	A or B or C	ø
B Business in Human Resource Management/ B Arts in Psychology	4F	English (4,SA)	B or C	ø
B Business in Restaurant and Catering Management	3F *or* 6P	English (4,SA); maths recommended		
B Hotel Management	3F			
B Hotel Management/B Arts in Japanese	4F	English (4,SA); maths recommended	A or B or C	ø
B Hotel Management/B Business	4F	English (4,SA); maths recommended	B or C	ø
B Hotel Management/B International Business	4F			
B International Business	3F	English (4,SA)		
B International Finance	3F *or* 6P	English (4,SA), Maths B or C (4,SA)		
B Marketing	3F	English (4,SA)		
B Tourism Management	3F	English (4,SA); maths recommended		
Creative & Performing Arts				
B Arts in Applied Theatre	3F	English (4,SA), *plus* audition and interview	A or B	ø
B Creative Arts	3F	English (4,SA), *plus* portfolio, questionnaire and interview/audition	Not Applicable	
B Digital Design	3F	English (4,SA)	B or E	ø
Education				
B Education - Primary	4F	English (4,SA)	B or C or E	ø
Engineering & Technology				
B Engineering in Civil Engineering	4F	English (4,SA), Maths B (4,SA); Physics or Maths C recommended	C or D	ø
B Engineering in Civil Engineering with Advanced Studies	4F	English (4,SA), Maths B (4,SA); Physics and Maths C recommended		
B Engineering in Civil Engineering/B Business Management	5F	English (4,SA), Maths B (4,SA); Physics or Maths C recommended	B or C	ø
B Engineering in Civil Engineering/B Environmental Science	5F			
B Engineering in Civil Engineering/B Information Technology	5F	English (4,SA), Maths B (4,SA); Physics or Maths C recommended	C or D	ø
B Engineering in Coastal Engineering	4F			
B Engineering in Electronic Engineering	4F			
B Engineering Technology	3F			
Health & Recreation				
B Biomedical Science	3F	English (4,SA), Maths B or C (4,SA), *plus* one of Biological Science, Chemistry, or Physics (4,SA)	C or D	ø
B Exercise Science	3F	English (4,SA), *plus* one of Biological Science, Chemistry, Physics, or Maths B (4,SA)	B or C or D	ø
B Exercise Science/B Arts in Psychology	4F			
B Exercise Science/B Business	4F			
B Exercise Science/B Education	4 1/2F			

Course Title	Course Duration in Years	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP: Primary	Fields used for Selection within OP: Secondary
Gold Coast campus *continued*				
Health & Recreation				
B Health Science	3F	English (4,SA), *plus* one of Biological Science, Chemistry, Physics, or Maths B (4,SA)	B or C or D	ø
B Nursing - pre-registration	3F *or* 6P	English (4.SA)	B or C	ø
B Oral Health in Dental and Oral Therapy	3F	English (4,SA), *plus* one of Biological Science, Chemistry, Physics, or Maths B (4,SA), *plus* successful interview and aptitude test, and applicants are required to sit the Undergraduate Medicine and Health Sciences Admission Test (UMAT)	C or D	ø
B Oral Health in Dental Science	3F			
B Oral Health in Dental Technology	3F			
B Pharmaceutical Science	3F	English (4,SA), Maths B or C (4,SA), *plus* one of Biological Science, Chemistry, or Physics (4,SA)	C or D	ø
B Physiotherapy/B Exercise Science	5F	English (4,SA), *plus* one of Biological Science, Chemistry, Physics, or Maths B (4,SA)	B or C or D	ø
Humanities & Social Sciences				
B Arts	3F *or* 6P	English (4,SA)	A or B	ø
B Arts/B Business	4F			
B Arts in Japanese	3F			
B Arts in Psychology	3F	English (4,SA)	B or C	ø
B Arts in Psychology/B Education - Primary	5F	English (4,SA)	B or C or E	ø
B Communication	3F	English (4,SA)	A or B	ø
B Journalism	3F *or* 6P			
B Psychology	4F	English (4,SA)	B or C	ø
Information Technology				
B Information Technology	3F	English (4,SA), Maths A, B or C (4,SA)	C or D	ø
B Multimedia	3F	English (4,SA); maths recommended	B or C	ø
Law				
B Laws/B Arts - Law and Psychology	5F	English (4,SA)	A or B or C	ø
B Laws/B Business - Law and Business	5F			
B Laws/B Information Technology - Law and Information Technology	5F	English (4,SA), Maths A, B or C (4,SA)	A or B or C or D	ø
B Laws/B International Business - Law and International Business	5F	English (4,SA)	A or B or C	ø
Primary Industries & Environment				
B Environmental Science	3F	English (4,SA), Maths A, B or C (4,SA)	B or C	ø
B Science in Ecotourism	3F			
Sciences				
B Science	3F	English (4,SA), Maths A, B or C (4,SA)	C or D	ø
QUEENSLAND COLLEGE OF ART – SOUTH BANK, LOGAN, GOLD COAST				
B Animation - South Bank	3F	English (4,SA), *plus* portfolio and questionnaire	B or E	ø
B Contemporary Australian Indigenous Art - South Bank	3F			
B Design - South Bank	3F	English (4,SA)		
B Design Studies - Gold Coast	3F			
B Film and Television Production - South Bank	3F	English (4,SA), *plus* portfolio and questionnaire	B or C or E	ø
B Fine Art - South Bank & Gold Coast	3F	English (4,SA), *plus* portfolio and questionnaire	B or E	ø
B Photography - South Bank & Logan	3F	English (4,SA)	B or C or E	ø

Griffith University (GU) *continued*

Course Title	Course Duration in Years	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP: Primary	Fields used for Selection within OP: Secondary
QUEENSLAND CONSERVATORIUM – SOUTH BANK, GOLD COAST				
B Music - South Bank	3-4F	English (4 SA), *plus* audition and interview	Not Applicable	
B Music Studies - South Bank	3F			
B Music Technology - South Bank	3F	English (4 SA), Maths A, B or C (4,SA), *plus* audition and portfolio		
B Popular Music - Gold Coast	3F	English (4 SA), *plus* audition and portfolio		
Preparatory Program - South Bank *fee*	1F	Audition, test and interview		

ø Field Positions shown will be used for primary selection where necessary in the OP band of the cut-off point. Where finer selection is needed, the best of all the fields, other than the one used as the primary selector, will be used as the secondary selector.

JAMES COOK UNIVERSITY (JCU)

• At time of publication, all JCU courses were HECS-based

Course Title	Course Duration in Years	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP: Primary	Fields used for Selection within OP: Secondary
TOWNSVILLE CAMPUS				
Built Environment & Design				
B Applied Science (Environmental and Urban Planning)	4F *or* 8P	English (4,SA); Geography recommended	B & C	B or C
Business & Tourism				
B Business with majors in human resource management, international tourism, management, and marketing	3F *or* 6P	English (4,SA); Maths B recommended	C	B
B Business/B Commerce	4F *or* 8P			
B Business/B Economics	4F *or* 8P			
B Business/B Information Technology	4F *or* 8P			
B Business/B Journalism	4F *or* 8P			
B Business/B Psychology	4F *or* 8P			
B Business/B Tourism Management	4F *or* 8P			
B Business (e-Business)	3F *or* 6P	English (4,SA)		
B Business (e-Business)/B Information Technology	4F *or* 8P	English (4,SA); Maths B recommended		
B Commerce with majors in accounting, finance, and information systems	3F *or* 6P	English (4,SA); Maths B recommended		
B Commerce/B Economics	4F *or* 8P			
B Commerce/B Information Technology	4F *or* 8P			
B Economics	3F *or* 6P			
B Tourism Management	3F *or* 6P	English (4,SA)		
B Tourism Management/B Human Resource Management	4F *or* 8P			
B Tourism Management/B Marketing	4F *or* 8P			

Course Title	Course Duration in Years	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP: Primary	Fields used for Selection within OP: Secondary
Townsville campus *continued*				
Creative & Performing Arts				
B Communication Design	3F *or* 6P	English (4,SA), *plus* portfolio and interview	Not Applicable	
B Music	3F *or* 6P	English (4,SA), *plus* audition and interview		
B Photography	3F *or* 6P	English (4,SA), *plus* portfolio and interview		
B Theatre	3F	English (4,SA), *plus* audition and interview		
B Visual Arts	3F *or* 6P	English (4,SA), *plus* portfolio and interview		
Education				
B Education (Secondary, Primary or Early Childhood)	4F *or* 8P	English (4,SA)	Not Applicable	
B Education/B Arts	4½F *or* 9P			
B Education/B Languages	5F *or* 10P			
B Education/B Psychology[a]	5F *or* 10P			
B Education/B Science	4½F or 9P	English (4,SA), *plus* subjects required for science discipline		
B Education (Human Movement) - Primary	4F or 8P	English (4,SA); Maths B or C, Physics, Chemistry recommended		
B Education (Human Movement) - Secondary	4F *or* 8P			
B Music/B Education	4½F *or* 9P	English (4,SA), *plus* audition and interview		
Engineering & Technology				
B Engineering with majors in chemical, civil, computer systems, electrical and electronic, environmental, and mechanical engineering	4F *or* 8P	English (4,SA), Maths B (4,SA)	D	B or C
B Engineering/B Science	5F *or* 10P	English (4,SA), Maths B (4,SA), *plus* subjects required for science discipline		
Health & Recreation				
B Biomedical Sciences	3F *or* 6P	English (4,SA), Chemistry (4,SA), Maths B (4,SA)	B & C	B or C or D
B Medical Laboratory Science	4F *or* 8P			
B Medicine, B Surgery	6F	English (4,SA), Chemistry (4,SA), Maths B (4,SA), *plus* interview; Physics recommended		
B Nursing Science (pre-registration)	3F *or* 6P	English (4,SA); Biological Science, Chemistry, and maths recommended	B & C	B or C
B Occupational Therapy	4F *or* 7P	English (4,SA), plus one of Biological Science, Chemistry, or Physics (4,SA)	B & C	B or C or D
B Pharmacy	4F	English (4,SA), Chemistry (4,SA), Maths B (4,SA)		
B Sport and Exercise Science	3F *or* 6P	English (4,SA); Biological Science, Chemistry, Maths B or C, Physics, Physical Education, Health Education, Health and Physical Education recommended	B & C	B or C
B Sport and Exercise Science/B Business	4F *or* 8P			
B Sport and Exercise Science/B Education	4½F *or* 9P			
Humanities & Social Sciences				
B Arts with majors in anthropology, archaeology, communications, economics, education, English, environmental studies, geography, history, indigenous Australian studies, mathematics, modern languages (French, Japanese), music[b], political science, psychology, sociology, theatre[b], visual arts[b], and welfare studies	3F *or* 6P	English (4,SA)	A or B	C or E
B Arts/B Business	4F *or* 8P	English (4,SA); Maths B recommended		
B Arts/B Commerce	4F *or* 8P			
B Arts/B Journalism	4F *or* 8P	English (4,SA)		
B Arts/B Science	4F *or* 8P	English (4,SA), *plus* subjects required for science discipline		
B Arts/B Social Work	5F *or* 10P	English (4,SA)		
B Arts/B Tourism Management	4F or 8P	English (4,SA); Maths B recommended		
B Community Welfare	3F *or* 6P	English (4,SA)		
B Community Welfare	5FL	English (4,SA), *plus* written and reference material		

James Cook University (JCU) *continued*

Course Title	Course Duration in Years	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP: Primary	Fields used for Selection within OP: Secondary
Townsville campus *continued*				
Humanities & Social Sciences *continued*				
B Community Welfare/B Arts	4F *or* 8P	English (4,SA)	A or B	C or E
B Community Welfare/B Business	4F *or* 8P			
B Community Welfare/B Social Science	4F *or* 8P			
B Community Welfare/B Visual Arts	5F *or* 10P	English (4,SA), *plus* portfolio and interview	Not Applicable	
B Indigenous Studies	3F *or* 6P	English (4,SA)		
B Journalism	3F *or* 6P	English (4,SA)	A or B	C or E
B Languages	4F *or* 8P	English (4,SA)	Not Applicable	
B Psychology	3F *or* 6P	English (4,SA)	B	C
B Psychology (Indigenous)	3F *or* 6P	English (4,SA)	Not Applicable	
B Psychology/B Science	4F *or* 8P	English (4,SA), *plus* subjects required for science discipline	A or B	C or E
B Psychology/B Social Science	4F *or* 8P	English (4,SA)		
B Public Policy	3F *or* 6P			
B Social Science with majors in anthropology, archaeology, criminology, economics, environmental studies, geography, history, political science, psychology, sociology, welfare studies, *plus* the following interdisciplinary majors – Asia-Pacific community development, cultural heritage studies, international studies, and policy studies	3F *or* 6P	English (4,SA)	C	n/a
B Social Science/B Social Work	5F *or* 10P	English (4,SA)	A or B	C or E
B Social Science (Environmental Studies)	4F *or* 8P	English (4,SA)	C	n/a
B Social Work	4F *or* 7P *or* 6FL	English (4,SA)	A or B	C or E
AdvD Indigenous Studies	2F or 4P	English (4,SA)	Not Applicable	
AdvD Women's Studies	2F *or* 4P	English (4,SA)	A or B	C or E
Information Technology				
B Information Technology with majors in bioinformatics, business computing, computer technology, e-business entrepreneurship, general computing, geographic information systems, and industry professional	3F *or* 6P	English (4,SA), *plus* for bioinformatics and e-business entrepreneurship majors: Maths B (4,SA); Maths B recommended	B	n/a
Law				
B Laws	4F *or* 8P	English (4,SA)	A or B	C
B Laws with B Arts, B Economics, B Public Policy	5F *or* 10P	English (4,SA)		
B Laws with B Business, B Commerce, and B Science	5F *or* 10P	English (4,SA), *plus* subjects required for science discipline; Maths B recommended		
B Laws with B Social Work	6F *or* 12P	English (4,SA)		
Primary Industries & Environment				
B Applied Science (Applied Ecology and Conservation or Aquaculture or Environmental Science or Tropical Agriculture)	4F *or* 8P	English (4,SA), Chemistry (4,SA), Maths B (4,SA)	B & C	B or C
B Applied Science (Environmental Management)	4F *or* 8P	English (4,SA); Maths B, Chemistry, Geography recommended		
B Applied Science (Spatial Analysis and Geographic Information Systems)	4F *or* 8P	English (4,SA), Maths B (4,SA); Geography recommended		
Sciences				
B Biotechnology	3F *or* 6P	English (4,SA), Maths B (4,SA), Chemistry (4,SA)	B	n/a
B Science with majors in	3F *or* 6P		B & C	B or C
archaeology		English (4,SA)		
aquaculture, biochemistry/molecular biology, botany, chemistry (including specialisations in environmental and industrial chemistry), ecology, marine biology, marine science, microbiology, pharmacology, physiology, zoology		English (4,SA), Chemistry (4,SA), Maths B (4,SA)		

Course Title	Course Duration in Years	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP: Primary	Fields used for Selection within OP: Secondary
Townsville campus *continued*				
Sciences ***continued***				
B Science (continued) with majors in	3F *or* 6P			
aviation[c], physics (including specialisations in oceanography and meteorology)		English (4,SA), Maths B (4,SA), Physics (4,SA) *or* (in lieu of Physics) Maths C (4,SA)		
environmental earth science, geology/economic geology		English (4,SA); Chemistry recommended		
geography, environmental science		English (4,SA); Geography or Maths B recommended	B & C	C
mathematics (including specialisations in statistics), psychology		English (4,SA), Maths B (4,SA)		
B Science (Computer Science)	3F *or* 6P	English (4,SA); Maths B recommended		
B Science (Tropical Marine Network Program)	3F *or* 6P	English (4,SA), Chemistry (4,SA), Maths B (4,SA)	C	B
CAIRNS CAMPUS				
Built Environment & Design				
B Applied Science (Environmental and Urban Planning)	4F *or* 8P	English (4,SA); Geography recommended	B & C	B or C
Business & Tourism				
B Business with majors in human resource management, international tourism, management, and marketing	3F *or* 6P	English (4,SA); Maths B recommended	C	B
B Business/B Commerce	4F *or* 8P			
B Business/B Information Technology	4F *or* 8P			
B Business/B Journalism	4F *or* 8P			
B Business/B Psychology	4F *or* 8P			
B Business/B Tourism Management	4F *or* 8P			
B Business (e-Business)	3F *or* 6P			
B Business (e-Business)/B Information Technology	4F *or* 8P			
B Commerce majoring in accounting, finance, information systems	3F *or* 6P			
B Commerce/B Information Technology	4F *or* 8P			
B Hospitality Management	3F *or* 6P	English (4,SA)		
B Tourism Management	3F *or* 6P			
B Tourism Management/B Human Resource Management	4F *or* 8P			
B Tourism Management/B Marketing	4F *or* 8P			
Education				
B Education (Primary or Early Childhood)	4F *or* 8P	English (4,SA)	Not Applicable	
B Education (Secondary)	4F *or* 8P[††]			
B Education/B Arts	4½F *or* 9P[††]			
B Education/B Languages	5F *or* 10P[††]			
B Education/B Psychology[a]	5F *or* 10P			
B Education/B Science	4½F *or* 9P[††]	English (4,SA), *plus* subjects required for science discipline		
Engineering & Technology				
B Engineering with majors in chemical, civil, computer systems, electrical and electronic, environmental, and mechanical engineering	4F *or* 8P[†††]	English (4,SA), Maths B (4,SA)	D	B or C
B Engineering/B Science	5F or 10P[†††]	English (4,SA), Maths B (4,SA), plus subjects required for science discipline		
Health & Recreation				
B Nursing Science (pre-registration)	3F *or* 6P	English (4,SA); Biological Science, Chemistry, and maths recommended	B & C	B or C
Humanities & Social Sciences				
B Arts with majors in anthropology, archaeology, communication, education, English, environmental studies, geography, history, modern languages (French and Japanese), political science, psychology, sociology, and welfare studies	3F *or* 6P	English (4,SA)	A or B	C or E
B Arts/B Business	4F *or* 8P			

James Cook University (JCU) *continued*

Course Title	Course Duration in Years	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP: Primary	Fields used for Selection within OP: Secondary
Cairns campus *continued*				
Humanities & Social Sciences *continued*				
B Arts/B Commerce	4F *or* 8P	English (4,SA)	A or B	C or E
B Arts/B Journalism	4F *or* 8P	English (4,SA)		
B Arts/B Science	4F *or* 8P	English (4,SA), *plus* subjects required for science discipline		
B Arts/B Social Work	5F *or* 10P	English (4,SA)		
B Arts/B Tourism Management	4F *or* 8P			
B Community Welfare	3F *or* 6P			
B Community Welfare/B Arts	4F *or* 8P			
B Community Welfare/B Business	4F *or* 8P			
B Community Welfare/B Social Science	4F *or* 8P			
B Indigenous Studies	3F *or* 6P	English (4,SA)	Not Applicable	
B Journalism	3F *or* 6P	English (4,SA)	A or B	C or E
B Languages	4F *or* 8P	English (4,SA)	Not Applicable	
B Psychology	3F *or* 6P	English (4,SA)	B	C
B Psychology/B Science	4F *or* 8P	English (4,SA), *plus* subjects required for science discipline	A or B	C or E
B Psychology/B Social Science	4F *or* 8P	English (4,SA)		
B Psychology (Indigenous)	3F *or* 6P	English (4,SA)	Not Applicable	
B Public Policy	3F *or* 6P	English (4,SA)	A or B	C or E
B Social Science with majors in anthropology, archaeology, criminology, environmental studies, geography, history, political science, psychology, sociology, welfare studies, *plus* the following interdisciplinary majors – Asia-Pacific community development, cultural heritage studies, international studies, and policy studies	3F *or* 6P	English (4,SA)	C	n/a
B Social Science/B Social Work	5F *or* 10P			
B Social Science (Environmental Studies)	4F *or* 8P			
B Social Work	4F *or* 7P	English (4,SA)	A or B	C or E
AdvD Indigenous Studies	2F *or* 4P	English (4,SA)	Not Applicable	
Information Technology				
B Information Technology with majors in bioinformatics, business computing, e-business entrepreneurship, general computing, geographic information systems, and industry professional	3F *or* 6P	English (4,SA), *plus* for bioinformatics and e-business entrepreneurship majors: Maths B (4,SA); Maths B recommended	B	n/a
Law				
B Laws	4F *or* 8P	English (4,SA)	A or B	C
B Laws with B Arts, B Public Policy	5F *or* 10P	English (4,SA)		
B Laws with B Business, B Commerce, and B Science	5F *or* 10P	English (4,SA), *plus* subjects required for science discipline; Maths B recommended		
B Laws with B Social Work	6F *or* 12P	English (4,SA)		
Primary Industries & Environment				
B Applied Science with majors in applied ecology and conservation, environmental science	4F *or* 8P	English (4,SA), Chemistry (4,SA), Maths B (4,SA)	B & C	B or C
tropical agriculture	4F†			
B Applied Science (Environmental Management)	4F *or* 8P	English (4,SA); Chemistry, Geography, Maths B recommended		
B Applied Science (Spatial Analysis/Geographic Information Systems)	4F *or* 8P	English (4,SA), Maths B (4,SA); Geography recommended		

Course Title	Course Duration in Years	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP: Primary	Fields used for Selection within OP: Secondary
Cairns campus *continued*				
Sciences				
B Science with majors in	3F *or* 6P		B & C	B or C
botany, coastal science, ecology, rainforest science, zoology		English (4,SA), Chemistry (4,SA), Maths B (4,SA)		
aviation[c]		English (4,SA), Maths B (4,SA), Physics (4,SA) *or* (in lieu of Physics) Maths C (3,SA)		
environmental earth science		English (4,SA); Chemistry recommended		
geography, environmental science		English (4,SA); Geography or Maths B recommended		
psychology		English (4,SA), Maths B (4,SA)		
B Science (Computer Science)	3F *or* 6P	English (4,SA); Maths B recommended		
MACKAY CAMPUS				
Humanities & Social Sciences				
B Community Welfare	3F *or* 6P	English (4,SA)	A or B	C or E
B Social Work	4F *or* 7P			
MT ISA CAMPUS				
Health & Recreation				
B Nursing Science (pre-registration)	3F *or* 6P	English (4,SA); Biological Science, Chemistry, and maths recommended	B & C	B or C

† Only the first three years of this course are available at Cairns. The course may be completed at Townsville.
†† Only the first two years of this course are available at this campus. The course may be completed at Townsville.
††† Only the first year of this course is available at Cairns. The course may be completed at Townsville.
a The teaching component of this course leads to registration as a primary teacher only. Applicants must also satisfy the entry requirements of the B Psychology course to gain entry to the combined degree.
b Entry to the music, theatre and visual arts major may involve audition/portfolio admission.
c Flying training is undertaken concurrently with academic studies. A Civil Aviation Authority medical test must be satisfactorily completed.

QANTM

• All QANTM courses are offered on a full fee-paying basis; contact QANTM for details

Course Title	Course Duration in Years	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP: Primary	Fields used for Selection within OP: Secondary
Creative & Performing Arts				
D Graphic Design/C III Multimedia	1 1/2F	Completion of Year 12 *or* equivalent	Not Applicable	
D Screen (specialising in animation)	1F			
Information Technology				
B Applied Multimedia	2F	English or SAS English Communication (4,SA), Maths A (4,SA) *or* any combination of Maths A, B or C (4,SA) *or* any combination of LA in Maths B or C and SA in Maths A	Not Applicable	
B Interactive Entertainment	2F	English or SAS English Communication (4,SA), Maths B (4,SA)		
D e-Business/C IV Information Technology (Multimedia)	1F	Completion of Year 12 *or* equivalent		
D Information Technology (Software Development)	1F	Maths B (4,SA)		
D Multimedia/C IV Information Technology (Multimedia)	1F	Completion of Year 12 *or* equivalent		
D Multimedia/C IV Information Technology (Multimedia) (for women)	1F	Completion of Year 12 *or* equivalent; female applicants only will be considered		

QUEENSLAND INSTITUTE OF BUSINESS AND TECHNOLOGY (QIBT)

- **All QIBT courses are offered on a full fee-paying basis; contact QIBT for details**
- **QIBT has no prerequisites for selection and the following represents assumed knowledge for study**

Course Title	Course Duration in Years	Assumed knowledge[a] Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP	
			Primary	Secondary
Business & Tourism				
D Commerce	3/4F *or* 2 1/2P	English *or* SAS English Communication (4,SA)	Not Applicable	
D Hotel Management	3/4F *or* 2 1/2P			
Creative & Performing Arts				
D Design Studies	3/4F *or* 2 1/2P	English *or* SAS English Communication (4,SA)	Not Applicable	
Information Technology				
D Information Technology	3/4F	English *or* SAS English Communication (4,SA), Maths A, B or C (4,SA)	Not Applicable	

a Refer to Introduction, page 4, for a definition of assumed knowledge.

QUEENSLAND UNIVERSITY OF TECHNOLOGY (QUT)

- **At time of publication, all QUT courses were HECS-based**
- **QUT has no prerequisites for selection and the following represents assumed knowledge for study**

Course Title	Course Duration in Years	Assumed knowledge‡ Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP	
			Primary	Secondary
Built Environment & Design – Gardens Point campus				
B Applied Science (Construction Management)	4F *or* 5 1/2FL	English (4,SA), Maths B (4,SA)	A or B	C
B Applied Science (Quantity Surveying)	4F *or* 5 1/2FL	English (4,SA), Maths A, B or C (4,SA)[a]		
B Built Environment (Architectural Studies)*	3F	English (4,SA)	B or C	E
B Industrial Design*	4F			
B Interior Design*	4F			
B Landscape Studies*	3F			
B Planning Studies*	3F			
B Property Economics	4F *or* 8P	English (4,SA), Maths A, B or C (4,SA)[a]	A or B	C
Business & Tourism – Gardens Point (GP), Carseldine (CA) and Caboolture (CB) campuses				
B Business majoring in accountancy, banking and finance, economics, or marketing - GP	3F *or* 6P	English (4,SA), Maths A, B or C (4,SA)[a]	C	B
B Business with majors in advertising, electronic business, human resource management, international business, management or public relations - GP	3F *or* 6P	English (4,SA)	B	C
B Business majoring in human resource management, or management - CA	3F *or* 6P			
B Business Information Management - CB	3F	English (4,SA)	B or C	B or C

Queensland University of Technology *continued*

Course Title	Course Duration in Years	Assumed knowledge‡ Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP	
			Primary	Secondary
Creative & Performing Arts – Kelvin Grove campus				
B Creative Industries	3F	English (4,SA)	A	B
B Creative Industries (Communication Design)	3F	English (4,SA)	E	A
B Creative Industries (Creative Writing)	3F	English (4,SA)	A	B
B Creative Industries (Dance)	3F	Audition; English (4,SA)	Not Applicable	
B Creative Industries (Drama)	3F	Audition and interview; English (4,SA)		
B Creative Industries (Television)*	3F	English (4,SA)	A	B
B Creative Industries (Visual Arts)	3F	Portfolio and interview; English (4,SA)	Not Applicable	
B Fine Arts (Acting)	3F	Audition and interview; English (4,SA)		
B Fine Arts (Communication Design)	3F	Portfolio; English (4,SA)		
B Fine Arts (Creative Writing Production)	3F			
B Fine Arts (Dance)	3F	Audition; English (4,SA)		
B Fine Arts (Fashion Design)	3F	Portfolio and interview; English (4,SA)		
B Fine Arts (Film & Television Production)	3F	Portfolio of prescribed skills-based exercises and interview; English (4,SA)		
B Fine Arts (Technical Production)	3F	Interview; English (4,SA)		
B Fine Arts (Visual Arts)	3F	Portfolio and interview; English (4,SA)		
B Music	3F	Audition and/or portfolio and interview; English (4,SA)		
AB Dance	2F	Audition		
Education – Kelvin Grove campus, students undertaking secondary education courses may need to undertake some subjects at other campuses				
B Early Childhood Studies	3F	English (4,SA)	B	C
B Education (Early Childhood)	4F			
B Education (Primary)	4F			
B Education - Secondary with majors in accounting/business management, biology, business communication and technologies, chemistry, computing, earth science, economics, English, English as a second language (minor specialisation), film and media studies, geography, health education (minor specialisation), history, legal studies, LOTE (French, German, Indonesian, Japanese), mathematics, physics, science studies, social science	4F	English (4,SA), *plus* (only for maths specialisation) Maths B (4,SA)		
B Education - Secondary (Home Economics)	4F	English (4,SA)		
B Education - Secondary (Physical Education)	4F			
Engineering & Technology – Gardens Point campus				
B Engineering (Aerospace Avionics)	4F	English (4,SA), Maths B (4,SA); Chemistry, Physics, and Maths C recommended	D	C
B Engineering (Civil, Electrical and Computer, or Mechanical Engineering)	4F *or* 6-8P			
B Engineering (Computer Systems)	4F			
B Engineering (Dean's Scholars Accelerated Program)	4F	Questionnaire, English (4,SA), Maths B (4,SA); Chemistry, Physics, and Maths C recommended		
B Engineering (Engineering Management and Information Systems)	4F	English (4,SA), Maths B (4,SA); Chemistry, Physics, and Maths C recommended		
B Engineering (Environmental Management)	4F			
B Engineering (Infomechatronics)	4F			
B Engineering (Medical)	4F			
B Engineering (Telecommunications)	4F			
B Surveying	4F	English (4,SA), Maths B (4,SA); Maths C and Physics recommended		
Health & Recreation – Kelvin Grove and Gardens Point campuses				
B Applied Science (Exercise and Sports Nutrition)	3F	English (4,SA), Chemistry (4,SA), Maths B (4,SA)	B	C
B Applied Science (Human Movement Studies)	4F	English (4,SA); a science subject[b] recommended	C	B
B Applied Science (Optometry)	4F	English (4,SA), Chemistry (4,SA), Maths B (4,SA), Physics (4,SA)		

Queensland University of Technology *continued*

Course Title	Course Duration in Years	Assumed knowledge‡ Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP	
			Primary	Secondary
Health & Recreation – Kelvin Grove and Gardens Point campuses *continued*				
B Health Science (Environmental Health)	3F	English (4,SA), Maths B (4,SA)	C	B
B Health Science (Health Information Management)	3F	English (4,SA)	B	C
B Health Science (Nutrition)	3F	English (4,SA), Chemistry (4,SA), Maths B (4,SA)	C	B
B Health Science (Nutrition and Dietetics)	4F			
B Health Science (Nutrition and Dietetics)/B Applied Science (Human Movement Studies)	5F			
B Health Science (Podiatry)	4F			
B Health Science (Podiatry)/B Applied Science (Human Movement Studies)	5F			
B Health Science (Public Health)	3F	English (4,SA)	B	C
B Nursing and Health Services Management	4F			
B Nursing (Pre-registration)	3F *or* 6P			
B Nursing (Pre-registration)/B Applied Science (in Human Movement Studies)	4F	English (4,SA); a science subject[b] recommended	C	B
B Nursing (Pre-registration)/B Health Science (Public Health)	4F	English (4,SA)	B	C
Humanities & Social Sciences – Kelvin Grove (KG), Gardens Point (GP) and Carseldine (CA) campuses				
B Arts with majors in community studies, ethics and human rights, international and global studies, and society and change - CA	3F *or* 6P	English (4,SA)	A	B
B Behavioural Science (Psychology) - CA	3F *or* 6P	English (4,SA); Maths A, B or C recommended	A or B	C
B Creative Industries (Media and Communication) - KG	3F	English (4,SA)		
B Journalism - KG	3F			
B Mass Communication - KG & GP	3F			
B Social Science with majors in geography and environment, human services and social policy, indigenous perspectives and issues, politics and history, and sociology - CA	3F *or* 6P			
B Social Science (Human Services) - CA	3F *or* 6P			
Information Technology – Gardens Point (GP) and Carseldine (CA) campuses				
B Information Technology	3F *or* 6P	English (4,SA), Maths B (4,SA)	B	C
Law – Kelvin Grove (KG) and Gardens Point (GP) campuses				
B Justice - KG	3F *or* 6P *or* 6X	English (4,SA)	A or B	C
B Justice/B Laws - KG & GP	5F			
B Laws - GP	4F *or* 6P *or* 6X[#]	English (4,SA). Entry to the distance education course is restricted to applicants who reside in Australia and live outside a 30 km radius of the GP campus		
Sciences – Carseldine (CA) and Gardens Point (GP) campuses				
B Applied Science with majors in biochemistry, biotechnology, chemistry, ecology, environmental science, geoscience, mathematics, microbiology, physics. Accompanying majors in applied geology[c], applied physics[c], astrophysics[c], biodiversity[c], biomolecular sciences, environmental management[c], forensic science[c], industrial chemistry[c], and scientific computation and visualisation - GP	3F *or* 6P	English (4,SA), Maths B (4,SA); at least one of the sciences recommended[d]	C	B
B Applied Science (Dean's Scholars Accelerated Honours Program)[e] (majors as for B Applied Science) - GP	3F	Interview; English (4,SA) *plus* three of Biological Science, Chemistry, Earth Science, Maths B, Maths C, or Physics (4,VHA)		
B Applied Science (Environmental Science) - CA	3F *or* 6P	English (4,SA); Maths B recommended		
B Applied Science (Medical Science) - GP	3F *or* 6P	English (4,SA), Chemistry (4,SA), Maths B (4,SA)		
B Applied Science - Medical Radiation Technology (Medical Imaging Technology)[f] - GP	3F	English (4,SA), Maths B (4,SA), Physics (4,SA)		
B Applied Science - Medical Radiation Technology (Radiotherapy Technology)[f] - GP	3F	Questionnaire; English (4,SA), Maths B (4,SA), Physics (4,SA)		

Queensland University of Technology *continued*

Course Title	Course Duration in Years	Assumed knowledge‡ Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP	
			Primary	Secondary
Sciences – Carseldine (CA) and Gardens Point (GP) campuses *continued*				
B Applied Science Innovation with majors in bioinformatics, chemical technology, scientific computation and visualisation - GP	3F *or* 6P	English (4,SA), Maths B (4,SA), Chemistry (4,SA) (Chemistry not assumed for the scientific computation and visualisation major)	C	B
B Biotechnology Innovation - GP	4F *or* 8P	English (4,SA), Maths B (4,SA), Chemistry (4,SA); Biological Science recommended		
B Mathematics*- GP	4F *or* 8P	English (4,SA), Maths B (4,SA); Maths C recommended		
Interfaculty Courses – various campuses				
Business & Tourism				
B Business (Accountancy and Economics)/B Education (Secondary)	4F	English (4,SA), Maths A, B or C (4,SA)[a]	C	B
B Business/B Health Science (Health Services Management) with majors in accountancy, banking and finance, economics, or marketing	4F			
B Business/B Health Science (Health Services Management) with majors in advertising, electronic business, human resource management, international business, management, or public relations	4F	English (4,SA)	B	C
B Business/B Information Technology	4 1/2F	English (4,SA), Maths B (4,SA)	B or C	B or C
B Business/B Laws with majors in accountancy	5F	English (4,SA), Maths A, B or C (4,SA)[a]	A or B	C
B Business/B Laws with majors in advertising, human resource management, international business, management, or public relations	5F	English (4,SA)	B	C
B Business/B Laws with majors in banking and finance, economics or marketing	5F	English (4,SA), Maths A, B or C (4,SA)[a]		
Creative & Performing Arts				
B Creative Industries (Communication Design)/ B Information Technology	4F	English (4,SA), Maths B (4,SA)	A or B	B or C
B Creative Industries (Creative Writing)/B Laws	5F	English (4,SA)	A or B	C
B Creative Industries (Dance)/B Education (Secondary)	4F	Audition; English (4,SA)	Not Applicable	
B Creative Industries (Drama)/B Education (Secondary)	4F	Audition & interview; English (4,SA)		
B Creative Industries (Visual Arts)/B Education (Secondary)	4F	Portfolio & interview; English (4,SA)		
B Music/B Education (Secondary)	4F	Audition & interview; English (4,SA)		
Engineering & Technology				
B Engineering (Electrical and Computer Engineering)/ B Mathematics*	5F	English (4,SA), Maths B (4,SA); Chemistry, Physics, and Maths C recommended	D	C
B Engineering (Electrical and Computer Engineering)/ B Business	5F			
B Engineering (Electronics)/B Information Technology	5F			
Health & Recreation				
B Applied Science (in Human Movement Studies)/ B Business (Accountancy, Banking and Finance, Economics, or Marketing)	4F	English (4,SA), Maths A, B or C (4,SA); any of Maths C, Chemistry, Physics, Biological Science, Physical Education or Health Education recommended	A or B or C	B or C
B Applied Science (in Human Movement Studies)/ B Business (Advertising, Human Resource Management, International Business, Management, or Public Relations)	4F	English (4,SA); any of Maths B or C, Chemistry, Physics, Biological Science, Physical Education or Health Education recommended		
B Applied Science (in Human Movement Studies)/ B Education (Secondary)	4F	English (4,SA); any of Maths B or C, Chemistry, Physics, Biological Science, Physical Education or Health Education recommended	C or B	B or C

Queensland University of Technology *continued*

Course Title	Course Duration in Years	Assumed knowledge‡ Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP	
			Primary	Secondary
Interfaculty Courses – various campuses *continued*				
Humanities & Social Sciences				
B Arts/B Applied Science	4F	English (4,SA), Maths B (4,SA); at least one of the sciences recommended[d]	A or B or C	C or B
B Arts/B Business (Accountancy, Banking and Finance, Economics, or Marketing)	4 1/2F	English (4,SA), Maths A, B, or C (4,SA)[a]		
B Arts/B Business (Advertising, Electronic Business, Human Resource Management, International Business, Management, or Public Relations)	4 1/2F	English (4,SA)	A or B	C
B Arts/B Education (Early Childhood)	4F			
B Arts/B Education (Primary)	4F			
B Arts/B Education (Secondary)	4F			
B Arts/B Laws	5F			
B Creative Industries (Media and Communication)/ B Business (Advertising, International Business, or Public Relations)	4 1/2F			
B Creative Industries (Media and Communication)/B Laws	5F			
B Journalism/B Business (Advertising, International Business, or Public Relations)	4 1/2F			
B Journalism/B Laws	5F			
Information Technology				
B Information Technology/B Education (Secondary)	4F	English (4,SA), Maths B (4,SA)	B	C
B Information Technology/B Laws	5F	English (4,SA), Maths B (4,SA)	A or B	C
Sciences				
B Applied Science/B Business	4F	English (4,SA), Maths B (4,SA)	C	B
B Applied Science/B Education (Primary)	4F			
B Applied Science/B Education (Secondary)	4F	English (4,SA), Maths B (4,SA); at least one of the sciences recommended[d]		
B Applied Science/B Information Technology	4F	English (4,SA), Maths B (4,SA); at least one of the sciences recommended[d]	B or C	B or C
B Applied Science/B Laws	5F	English (4,SA), Maths B (4,SA)	A or B	C
B Applied Science (Environmental Science)/B Health Science (Environmental Health)	4F	English (4,SA), Maths B (4,SA)	C	B
B Mathematics/B Business (Accountancy, Banking and Finance, or Economics)*	4F			
B Mathematics/B Information Technology*	4F			

‡ For entry to most QUT courses, QUT uses an assumed knowledge entry scheme. The exception to this rule are courses requiring audition, portfolio, interviews, etc, which are requirements for admission and are not a part of assumed knowledge. The definition of assumed knowledge is: the minimum level of achievement in Senior studies (or equivalent) considered necessary for successful first year tertiary study. Students lacking the assumed level of knowledge are not prevented from enrolling; however, they may be disadvantaged unless they undertake any recommended bridging, preparatory or appropriate introductory subjects prior to or during their first year of study. Please contact the QUT Admissions for more details. See also Introduction, page 4.

* Subject to final approval.

\# There are compulsory attendance schools for external students who are accepted into this course.

a Combinations of Maths A (2,SA) with Maths B or C may satisfy the maths assumed knowledge, refer QUT Admissions.

b The following sciences are acceptable: Maths B or C; Chemistry; Physics; Biological Science; Health Education or Physical Education.

c These majors are offered only as accompanying majors, to be taken with an appropriate major selected from the first nine majors listed.

d For the majors in biochemistry, biotechnology, and microbiology, the subjects Biological Science and Chemistry are recommended; for the major in mathematics, the subject Maths C is recommended.

e Successful applicants are required to attend a preparatory summer term program.

f Applicants who are accepted into this course will be required to satisfy a health status.

SOUTHERN CROSS UNIVERSITY (Sthn Cross):

- **At time of publication, all Sthn Cross courses were HECS-based**
- **Sthn Cross has no prerequisites for selection and the following represents assumed knowledge or recommended subjects for study**

Course Title	Course Duration in Years	Recommended study[a]	Fields used for Selection within OP	
		Subjects (No. of Sem Units, Exit Assessment)	Primary	Secondary
LISMORE CAMPUS				
Business & Tourism				
B Accounting/B Information Technology	4½F *or* 9P	Maths B	Not Applicable	
B Applied Science/B Business in Tourism	4F *or* 8P	Nil		
B Business with majors in accounting, business law, e-commerce, economics, finance, human resource management, information systems, international business, marketing, politics, and retail	3F *or* 6P			
B Business/B Arts	4½F *or* 9P			
B Business/B Laws	5F *or* 10P			
B Business Administration (Human Resources Specialisation)	3F *or* 6P			
B Business in Tourism	3F *or* 6P			
B Business in Tourism/B Laws	5F *or* 10P			
B Environmental Tourism Management	3F *or* 6P			
B Indigenous Studies/B Business in Tourism	4F *or* 8P			
B Indigenous Tourism Management	3F *or* 6P			
B Management and Professional Studies	3F *or* 6P			
Creative & Performing Arts				
B Contemporary Music specialising in contemporary music composition (including songwriting), performance (including bass guitar, drums, electric guitar, keyboards, saxophone, trombone, trumpet, and voice) film scores, or record production	3F *or* 6P	Audition/interview, and music proficiency test	Not Applicable	
B Contemporary Music/B Education (Secondary) with specialisations as listed for B Contemporary Music	4F *or* 8P			
B Contemporary Music/B Laws with specialisations as listed for B Contemporary Music	5F *or* 10P			
B Visual Arts with specialisations in ceramics, painting, printmaking and sculpture	3F *or* 6P	Interview and portfolio		
B Visual Arts/B Education (Secondary) with specialisations as listed for B Visual Arts	4F *or* 8P			
Education				
B Education (Primary)[b]	4F *or* 8P	Nil	Not Applicable	
Health & Recreation				
B Exercise Science and Nutrition	3F *or* 6P	Chemistry	Not Applicable	
B Human Movement Science with majors in exercise science and sport management	3F *or* 6P	Nil		
B Human Movement Science/B Education (Secondary)	4F *or* 8P			
B Human Movement Science/B Laws	5F *or* 10P			
B Naturopathy	4F *or* 8P	Interview; Chemistry and Biological Science		
B Nursing	3F *or* 6P	Nil		
B Sport Tourism Management	3F *or* 6P			
Humanities & Social Sciences				
B Arts with majors in Australian cultural studies, ecocultural history, media and writing	3F *or* 6P	Nil	Not Applicable	
B Arts/B Education (Secondary)	4F *or* 8P			
B Arts/B Laws	5F *or* 10P			
B Indigenous Studies	3F *or* 6P			
B Indigenous Studies/B Laws	5F *or* 10P			
B Media	3F *or* 6P			
B Social Science with majors in human relations and communication, human resource development, human resource management, politics and policy studies, and sociology	3F *or* 6P			
B Social Science/B Laws	5F *or* 10P			
AB Arts (Writing)	2F *or* 4P			

Southern Cross University *continued*

Course Title	Course Duration in Years	Recommended study[a] Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP	
			Primary	Secondary
Lismore campus *continued*				
Information Technology				
B Information Technology	3F *or* 6P	Maths B	Not Applicable	
B Information Technology/B Laws	5F *or* 10P			
AB Information Technology	2F *or* 4P	Nil		
Law				
B Laws	4F *or* 8P	Nil	Not Applicable	
B Legal and Justice Studies	3F *or* 16P			
B Legal and Justice Studies/B Laws	5F *or* 10P			
AB Law (Paralegal Studies)	2F *or* 4P			
Primary Industries & Environment				
B Applied Science (Coastal Management, Environmental Resource Management, Fisheries and Aquaculture Management, and Marine Science and Management)	3F *or* 6P	Nil	Not Applicable	
B Applied Science/B Education (Secondary)	4F *or* 8P			
B Applied Science/B Laws	5F *or* 10P			
B Applied Science (Forestry)	4F *or* 8P			
AB Applied Science (Resource Technology)	2F *or* 4P			
COFFS HARBOUR CAMPUS				
Business & Tourism				
B Accounting/B Information Technology	4½F *or* 9P	Maths B	Not Applicable	
B Business with majors in accounting, e-commerce, economics, finance, human resource management, information systems, international business, marketing, politics, and retail	3F *or* 6P	Nil		
B Business in Hotel and Catering Management	3F *or* 6P			
Education				
B Technology Education[b]	4F *or* 8P	English (4,SA), Maths B (4,SA) assumed[a]	Not Applicable	
Humanities & Social Sciences				
B Psychology with Honours	4F *or* 8P	Nil	Not Applicable	
B Social Science with majors in community development, counselling and mediation, and human services studies	3F *or* 6P			
Information Technology				
B Information Technology	3F *or* 6P	Maths B	Not Applicable	
B Multimedia	3F *or* 6P	Nil		
AB Information Technology	2F *or* 4P			
AB Multimedia	2F *or* 4P			
TWEED GOLD COAST CAMPUS				
Business & Tourism				
B Business with majors in accounting, business law, e-commerce, economics, finance, human resource management, information systems, international business, marketing, politics, and retail†	3F *or* 6P	Nil	Not Applicable	
B Business Administration (Commerce and Management Specialisation)	3F *or* 6P			
B Business Administration (Human Resources Specialisation)	3F *or* 6P			
B Management and Professional Studies†	3F *or* 6P			
Humanities & Social Sciences				
B Social Science with majors in human relations and communication, human resource development, human resource management, politics and policy studies, and sociology	3F *or* 6P	Nil	Not Applicable	

† Only the core units of this course are available at this campus. The course may be completed by distance education or on-campus at Lismore or Coffs Harbour.

a For entry to most Southern Cross University courses, Southern Cross uses a recommended study entry scheme. Refer to Introduction, page 4, for a definition of assumed knowledge and recommended subjects for study. An exception to this rule is courses requiring audition, portfolio, interviews, etc.

b If you intend to qualify for registration as a teacher in NSW, knowledge of Year 12 English and maths or equivalent is required.

TAFE Queensland: institutes and abbreviations

Abbreviation	Institute and campus	Abbreviation	Institute and campus
BRIT - Pimlico	Barrier Reef Institute of TAFE - Pimlico	**MIT** - Alex Hills	Moreton Institute of TAFE - Alexandra Hills
- Townsville	Barrier Reef Institute of TAFE - Townsville City	- Mt Gravatt	Moreton Institute of TAFE - Mt Gravatt
BrIT - Bundamba	The Bremer Institute of TAFE - Bundamba	**OLI** - Distance Education	Open Learning Institute of TAFE
- Ipswich	The Bremer Institute of TAFE - Ispwich City	**SBIT** - Kangaroo Point	Southbank Institute of TAFE - Kangaroo Point
BNPIT - Bracken Ridge	Brisbane and North Point Institute of TAFE - Bracken Ridge	- Morningside	Southbank Institute of TAFE - Morningside
- Caboolture	Brisbane and North Point Institute of TAFE - Caboolture	- Southbank	Southbank Institute of TAFE - Southbank
- City	Brisbane and North Point Institute of TAFE - Brisbane City	**SQIT** - Charleville	Southern Queensland Institute of TAFE - Charleville
- Gateway	Brisbane and North Point Institute of TAFE - Gateway	- Dalby	Southern Queensland Institute of TAFE - Dalby
- Grovely	Brisbane and North Point Institute of TAFE - Grovely	- Longreach	Southern Queensland Institute of TAFE - Longreach
- Ithaca	Brisbane and Northpoint Institute of TAFE - Ithaca	- Roma	Southern Queensland Institute of TAFE - Roma
- Redcliffe	Brisbane and North Point Institute of TAFE - Redcliffe	- Toowoomba	Southern Queensland Institute of TAFE - Toowoomba
CQIT - Mackay	Central Queensland Institute of TAFE - Mackay College	**TNQIT** - Cairns	Tropical North Queensland Institute of TAFE - Cairns College
- Rockhampton	Central Queensland Institute of TAFE - Rockhampton College	- Mount Isa	Tropical North Queensland Institute of TAFE - Mount Isa
CSIT - Maroochydore	Cooloola Sunshine Institute of TAFE - Maroochydore	- Thursday Island	Tropical North Queensland Institute of TAFE - Thursday Island College
- Mooloolaba	Cooloola Sunshine Institute of TAFE - Mooloolaba	**WBIT** - Bundaberg	Wide Bay Institute of TAFE - Bundaberg
- Nambour	Cooloola Sunshine Institute of TAFE - Nambour	- Hervey Bay	Wide Bay Institute of TAFE - Hervey Bay
- Tewantin	Cooloola Sunshine Institute of TAFE - Tewantin	- Maryborough	Wide Bay Institute of TAFE - Maryborough
GCIT - Gold Coast	Gold Coast Institute of TAFE	**YIT** - Yeronga	Yeronga Institute of TAFE
LIT - Meadowbrook	Logan Institute of TAFE - Meadowbrook		

TAFE QUEENSLAND (TAFE Qld)

Some TAFE courses at some campuses may be offered on a full fee for service basis. Generally those courses and campuses, and their fees, are not known until the year before the course is offered. However, subject to change, where they are known those courses have been marked 'fee'. For more information, call the TAFE Tertiary Placement and Performance Unit on (07) 3247 5553.

Course Title‡	Course Duration in Years§	Prerequisites Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP#
Built Environment & Design			
D Building BNPIT - Ithaca GCIT - Gold Coast YIT - Yeronga	 1 1/2F 2F	Any Year 12 level English/Communication subject (4,SA), any Year 12 level maths (4,SA)	
D Building Design and Technology CSIT - Nambour GCIT - Gold Coast SBIT - Morningside YIT - Yeronga	 1F 2F	English (4,SA) *or* SAS English Communication (4,SA), *plus* Maths A, B or C (4,SA) *or* successful completion of specified VET modules[a]	B or C
D Interior Technology CSIT - Nambour GCIT - Gold Coast SBIT - Morningside	 1F 2F 2F	English (4,SA) *or* SAS English Communication (4,SA), Maths A, B *or* C (4,SA) *or* successful completion of specified VET modules[a]	
Business & Tourism			
D Accounting BrIT - Bundamba BNPIT - Bracken Ridge CSIT - Maroochydore GCIT - Gold Coast MIT - Mt Gravatt OLI - Distance Education SBIT - Kangaroo Point SQIT - Toowoomba YIT - Yeronga	 1 1/2F 2F 1 1/2F 1F 1 1/2F 2X 1 1/2F 1F 1 1/2F	Completion of Year 12 *or* equivalent	B or C
D Business BNPIT - Bracken Ridge BNPIT - Caboolture BNPIT - Ithaca BNPIT - Redcliffe CQIT - Rockhampton CSIT - Maroochydore LIT - Meadowbrook MIT - Alex Hills MIT - Mt Gravatt SBIT - Kangaroo Point SQIT - Toowoomba WBIT - Hervey Bay YIT - Yeronga	 1 1/2-2F 1 1/2F 1 1/2F 1 1/2-2F 1 1/2F 1F 1 1/2F 1F 2F 1 1/2F		
D Business/B Arts[b] MIT - Mt Gravatt/Queensland University of Technology - Carseldine	3F		
D Business/B Business[b] BNPIT - Bracken Ridge/Queensland University of Technology BNPIT - Redcliffe/Queensland University of Technology SQIT - Toowoomba/University of Southern Queensland - Toowoomba	3 1/2-4F 3F		
D Business/B Business Information Management[b] BNPIT - Caboolture/Queensland University of Technology	3-4F		

TAFE Queensland (TAFE Qld) *continued*

Course Title‡	Course Duration in Years§	Prerequisites Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP#
Business & Tourism *continued*			
D Business Administration		Completion of Year 12 *or* equivalent	B or C
BrIT - Bundamba	1 1/2F		
BNPIT - Bracken Ridge	1 1/2-2F		
BNPIT - Ithaca	1F		
LIT - Meadowbrook	1 1/2F		
MIT - Mt Gravatt	1F		
SQIT - Toowoomba	2F		
D Business (Human Resources)			
BNPIT - Bracken Ridge	1 1/2-2F		
MIT - Mt Gravatt	1F		
SBIT - Kangaroo Point	1 1/2F		
D Business Management			
GCIT - Gold Coast	1F		
MIT - Mt Gravatt			
SBIT - Kangaroo Point	1 1/2F		
YIT - Yeronga			
D Business Management/B Arts[b]	3F		
MIT - Mt Gravatt/Queensland University of Technology - Carseldine			
D Business (Marketing)			
BNPIT - Bracken Ridge	2F		
GCIT - Gold Coast	1F		
MIT - Mt Gravatt			
SBIT - Kangaroo Point	1 1/2F		
D Business (Marketing)/B Arts[b]	3F		
MIT - Mt Gravatt/Queensland University of Technology - Carseldine			
D Event Management	1 1/2F	Any Year 12 level English/communication subject (4,SA), any Year 12 level maths (4,SA)	
CSIT - Mooloolaba			
SBIT - Southbank			
D Event Management/B Business[b]	3F		
CSIT - Mooloolaba/University of the Sunshine Coast			
D Hospitality Management		Any Year 12 level English/communication subject (4,SA), any Year 12 level maths (4,SA), *or* successful completion of a Certificate III or IV including study in written communication and numeracy	
BrIT - Bundamba	1 1/2F		
BNPIT - Bracken Ridge			
BRIT - Pimlico			
CQIT - Mackay			
CQIT - Rockhampton			
CSIT - Mooloolaba			
MIT - Alex Hills			
SQIT - Toowoomba	2F		
WBIT - Hervey Bay	1 1/2F		
D Hospitality (Management - Dive Resort)	2F	Interview	
GCIT - Gold Coast *fee*			
D Hospitality Management/B Business[b]	3F	Any Year 12 level English/communication subject (4,SA), any Year 12 level maths (4,SA), *or* successful completion of a Certificate III or IV including study in written communication and numeracy	
CSIT - Mooloolaba/University of the Sunshine Coast			
D Hospitality Management/B Hospitality Management[b]			
BRIT - Pimlico/University of Southern Queensland	3 1/2F		
SQIT - Toowoomba/University of Southern Queensland			
WBIT - Hervey Bay/Univesity of Southern Queensland			
D Hospitality Management/B Hotel Management[b]	3 1/2F		
GCIT - Griffith University - Gold Coast *fee*			

TAFE Queensland (TAFE Qld) *continued*

Course Title‡	Course Duration in Years§	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP#
Business & Tourism *continued*			
D Hospitality Management with Honours/B International Hotel and Tourism Management[b] SBIT - Southbank/The University of Queensland	3F	Any Year 12 level English/communication subject (4,SA), any Year 12 level maths (4,SA)	
D Hospitality Management/B Tourism and Hospitality Management[b] BRIT - Pimlico/University of Southern Queensland SQIT - Toowoomba/University of Southern Queensland WBIT - Hervey Bay/University of Southern Queensland	3 1/2F		
D Hospitality Management/Adv D Hospitality Management/ B Hospitality Management[b] SBIT - Southbank/Griffith University	3 1/2F	Any Year 12 level English/communication subject (4,SA), any Year 12 level maths (4,SA), *or* successful completion of a Certificate III or IV including study in written communication and numeracy	
D Hospitality Management/D Event Management GCIT - Gold Coast *fee*	1F		
D Hospitality Management/D Event Management - Golf GCIT - Gold Coast *fee*	2F		
D Hospitality Management/D Event Management - Surfing GCIT - Gold Coast *fee*	2F		
D International Business GCIT - Gold Coast SBIT - Kangaroo Point	1F 1 1/2F	Completion of Year 12 *or* equivalent	B or C
D International Business/B Business (International Business)[b] SBIT - Kangaroo Point/Queensland University of Technology - Gardens Point	3 1/2F		
D Retail Management GCIT - Gold Coast SBIT - Southbank	1 1/4F 2F		
D Tourism (Marketing & Product Development)/D Tourism (Operations Management) GCIT - Gold Coast *fee*	1F	Any Year 12 level English/communication subject (4,SA), any Year 12 level maths (4,SA)	
D Tourism (Operations Management) BNPIT - City BRIT - Pimlico CSIT - Mooloolaba SBIT - Southbank	1 1/2F		
D Tourism (Operations Management)/B Business[b] CSIT - Mooloolaba/University of the Sunshine Coast	3F		
D Tourism (Operations Management)/B Business (Tourism Management)[b] BRIT - Pimlico/University of the Southern Queensland	3 1/2F		
D Tourism (Operations Management)/D Event Management BNPIT - City	2F		
D Tourism (Operations Management)/C III Hospitality (Operations - Hotel Reception) BNPIT - City	2F	Any Year 12 level English/communication subject (4,SA), any Year 12 level maths (4,SA), *or* successful completion of a Certificate III or IV including study in written communication and numeracy	
Creative & Performing Arts			
AdvD Ceramics CSIT - Tewantin SBIT - Southbank	2F	Completion of Year 12 *or* equivalent *plus* portfolio. The portfolio requirement may be satisfied by Art (4,HA) *or* completion of Certificate II in Arts. Studies within Certificate III in Arts may also satisfy the portfolio requirement[c]	E

TAFE Queensland (TAFE Qld) *continued*

Course Title‡	Course Duration in Years§	Prerequisites Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP#
Creative & Performing Arts *continued*			
AdvD Performing Arts WBIT - Hervey Bay	3F	Any Year 12 English/communication subject (4,SA), *plus* audition	E
AdvD Textiles, Clothing, and Footwear MIT - Mt Gravatt	3F	English (4,SA) *or* SAS English Communication (4,SA)	B or C or E
D Entertainment GCIT - Bundamba *fee*	1 1/2F	Completion of Year 12 *or* equivalent	
D Graphic Design BrIT - Bundamba CSIT - Nambour GCIT - Gold Coast SBIT - Morningside	2F 1 1/2F	Completion of Year 12 *or* equivalent *plus* portfolio. Studies within Certificate III in Arts may also satisfy the portfolio requirement[c]	E
D Photography CSIT - Nambour SBIT - Morningside SQIT - Toowoomba	2F	English (4,SA) *or* SAS English Communication (4,SA), *plus* portfolio. Studies within Certificate III in Arts may also satisfy the portfolio requirement[c]	
D Printing and Graphic Arts (General) SBIT - Morningside	2F	Completion of Year 12 *or* equivalent	B or C
D Textiles, Clothing, and Footwear CSIT - Nambour MIT - Mt Gravatt	2F	English (4,SA) *or* SAS English Communication (4,SA)	B or C or E
D Visual Arts[d] BRIT - Pimlico BrIT - Bundamba SQIT - Toowoomba WBIT - Hervey Bay	2F	Completion of Year 12 *or* equivalent *plus* portfolio. The portfolio requirement may be satisfied by Art (4,HA) *or* completion of Certificate II in Arts. Studies within Certificate III in Arts may also satisfy the portfolio requirement[c]	E
D Visual Arts - Animation SBIT - Morningside	2F	Completion of Year 12 *or* equivalent *plus* portfolio. Studies within Certificate III in Arts may also satisfy the portfolio requirement[c]	A or E
D Visual Arts - Arts, Craft and Community Arts SBIT - Morningside	2F	Completion of Year 12 *or* equivalent *plus* portfolio. The portfolio requirement may be satisfied by Art (4,HA) *or* completion of Certificate II in Arts. Studies within Certificate III in Arts may also satisfy the portfolio requirement[c]	E
D Visual Arts - Fine Arts BNPIT - Gateway CSIT - Tewantin SBIT - Morningside	2F		
D Visual Arts - New Media and Illustration SBIT - Morningside	2F		
Education			
D Community Services (Children's Services) BrIT - Bundamba BNPIT - Bracken Ridge BRIT - Townsville CSIT - Nambour GCIT - Gold Coast LIT - Meadowbrook MIT - Alex Hills OLI - Distance Education SBIT - Southbank *fee* SQIT - Toowoomba WBIT - Bundaberg WBIT - Hervey Bay	 2F 1 1/2F 2F 2X 2F 1F 2F	English (4,SA) or SAS English Communication (4,HA)	B or C
D Community Services (Children's Services)/B Social Science[b] BNPIT - Bracken Ridge/Queensland University of Technology - Carseldine *fee*	4F		

TAFE Queensland (TAFE Qld) *continued*

Course Title‡	Course Duration in Years§	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP#
Education *continued*			
D Community Services (Children's Services)/B Social Science (Human Services)[b] BNPIT - Bracken Ridge/Queensland University of Technology - Carseldine *fee*	4F	English (4,SA) or SAS English Communication (4,HA)	B or C
Engineering & Technology			
AdvD Computer Systems Engineering SBIT - Southbank	2F	English (4,SA), Maths A, B or C (4,SA) *or* successful completion of specified VET modules[a]	
AdvD Electonics Engineering SBIT - Southbank	2F	Completion of Year 12 *or* equivalent	
AdvD Engineering BNPIT - Gateway (Mechanical) GCIT - Gold Coast (Civil) GCIT - Gold Coast (Electrical/Electronics/Computer Systems) MIT - Mt Gravatt (Mechanical) SBIT - Southbank (Civil) YIT - Yeronga (Electrical) YIT - Yeronga (Mechanical)	2F	English (4,SA) *or* SAS English Communication (4,SA) *or* successful completion of specified VET modules[a]	
AdvD Engineering (Civil) with Honours/B Technology (Civil)[b] SBIT - Southbank/Queensland University of Technology - Gardens Point *fee*	3F	English (4,SA) *or* SAS English Communication (4,SA) *or* successful completion of specified VET modules[a]; Maths B (4,SA), Physics (4,SA) assumed[e]	B or C
AdvD Engineering (Mechanical)/B Technology (Mechanical)[b] BNPIT - Gateway/Queensland University of Technology - Gardens Point MIT - Gravatt/Queensland University of Technology - Gardens Point YIT - Yeronga/Queensland University of Technology - Gardens Point	3F	English (4,SA) *or* SAS English Communication (4,SA) *or* successful completion of specified VET modules[a]	
D Engineering - Mechanical SQIT - Toowoomba	1F		
D Telecommunications Engineering BNPIT - Ithaca	2F	Completion of Year 12 *or* equivalent	
Health & Recreation			
AdvD Applied Science (Acupuncture) GCIT - Gold Coast *fee*	3F	English (4,SA), Chemistry (4,SA)	
AdvD Homeopathy SBIT - Southbank *fee*	3F	English (4,SA), Maths A, B or C (4,SA), and an Authority science subject (4,SA)	
AdvD Naturopathy/AdvD Western Herbal Medicine/B Natural Therapies[b] GCIT - Gold Coast/Southern Cross University *fee*	4F	English (4,SA), Chemistry (4,SA)	
AdvD Sport and Recreation SBIT - Southbank YIT - Yeronga	2F 1F	Completion of Year 12 *or* equivalent	B or C
D Anaesthetics Technology SBIT - Southbank	2F	English (4,SA)	
D Beauty Therapy GCIT - Gold Coast MIT - Alex Hills *fee*	1F	Completion of Year 12 *or* equivalent	
D Community Recreation SBIT - Southbank	1 1/2F		
D Dental Health Work (Dental Technology) SBIT - Kangaroo Point	2F	English (4,SA), *plus* a manual dexterity test. Contact the institute for test requirements	

Course Title‡	Course Duration in Years§	Prerequisites Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP#
Health & Recreation *continued*			
D Event Management			
SBIT - Southbank	2F		
YIT - Yeronga	1 1/2F	Completion of Year 12 *or* equivalent	
D Fitness			
GCIT - Gold Coast *fee*	1 1/2F		
D Nursing (Pre-enrolment)		Minimum age 17 years on or before 31 January 2006. Completion of Year 12 *or* equivalent	
BRIT - Townsville	1 1/2F		
CQIT - Rockhampton			
CSIT - Nambour			
GCIT - Gold Coast			
MIT - Alex Hills			
SBIT - Southbank			
SQIT - Charleville[f,g]	2X		
SQIT - Dalby[f,g]			
SQIT - Longreach[f,g]			
SQIT - Roma[f,g]			
SQIT - Toowoomba[f,g]			
TNQIT - Cairns (Video Stream)[f]	1 1/2X		
TNQIT - Mt Isa[h]			
TNQIT - Thursday Island[h]			
D Remedial Massage			
GCIT - Gold Coast *fee*	1F		
D Sport (Development)			
BNPIT - Bracken Ridge	1F		
CSIT - Mooloolaba	1 1/2F		B or C
YIT - Yeronga	2F		
D Sport (Development)/CIV Sport (Coaching)			
SBIT - Southbank	2F		
D Sport and Recreation			
CSIT - Mooloolaba	2F		
D Sport and Recreation/B Business[b]			
CSIT - Mooloolaba/University of the Sunshine Coast	3F	Completion of Year 12 *or* equivalent	
D Sport and Recreation/C IV Fitness			
WBIT - Hervey Bay	2F		
C IV Beauty Therapy			
SBIT - Southbank	1F		
C IV Fitness			
SBIT - Southbank	2F		
YIT - Yeronga	1F		
C IV Sport (Coaching)			
SBIT - Southbank	1F		
C IV Sport and Recreation			
YIT - Yeronga	1F		
Humanities & Social Sciences			
D Alcohol and Other Drugs Work			
YIT - Yeronga	2F		
D Community Development			
YIT - Yeronga	2F		
D Community Services (Community Work)			
BNPIT - Bracken Ridge			
BNPIT - Caboolture			
CSIT - Nambour	2F	Completion of Year 12 *or* equivalent	B or C
LIT - Meadowbrook			
MIT - Alex Hills	1 1/2F		

TAFE Queensland (TAFE Qld) *continued*

Course Title‡	Course Duration in Years§	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP#
Humanities & Social Sciences *continued*			
D Community Services (Community Work)/B Social Science[b] BNPIT - Caboolture/Queensland University of Technology - Carsledine	4F	Completion of Year 12 *or* equivalent	B or C
D Community Services (Community Work)/B Social Science (Human Services)[b] BNPIT - Caboolture/Queensland University of Technology - Carsledine	4F		
D Community Services (Lifestyle and Leisure) GCIT - Gold Coast SQIT - Toowoomba	2F		
D Community Welfare Work BrIT - Bundamba GCIT - Gold Coast SBIT - Southbank SQIT - Toowoomba YIT - Yeronga	 2F 1 1/2F 2F		
D Editing (Publishing) SBIT - Morningside	1 1/2F	English (4,HA); keyboarding skills recommended	
D Library and Information Studies SBIT - Morningside	2F	Completion of Year 12 *or* equivalent	
D Youth Work YIT - Yeronga	2F		
C IV Alcohol and Other Drugs Work YIT - Yeronga	1F		
C IV Youth Work YIT - Yeronga	1F		
C IV Youth Work (Juvenile Justice) YIT - Yeronga	1F		
Information Technology			
D e-Business SBIT - Southbank YIT - Yeronga	1 1/2F	Completion of Year 12 *or* equivalent[i]	B or C
D Information Technology[d] BNPIT - Bracken Ridge - network engineering BNPIT - Ithaca - business analysis (e-business), multimedia integration (film, TV and animation), (graphics), network engineeing, software development (database), (object oriented programming), (games), neworking engineering or systems administration BRIT - Townsville - network engineering BrIT - Ipswich - network engineering, e-business development multimedia integration, software development CSIT - Mooloolaba - network engineering or systems administration GCIT - Gold Coast - network engineering, software development LIT - Meadowbrook - network engineering MIT - Mt Gravatt - network engineering, software development SBIT - Southbank - multimedia integration, network engineering or systems administration WBIT - Bundaberg - network engineering, YIT - Yeronga - e-business development, multimedia integration, network engineering	 2F 1-1 1/2F 2F 1-1 1/2F 2F 1 1/2F		

Course Title‡	Course Duration in Years§	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP#
Information Technology *continued*			
D Information Technology (Software Development)/ B Information Technology[b] SQIT - Toowoomba/University of Southern Queensland Toowoomba	3 1/2F		
D Information Technology (Software Development) (Data Base)/B Information Technology[b] BNPIT - Bracken Ridge/Queensland University of Technology - Carseldine	4F		
D Information Technology (Software Development) Programming/B Business Information Management[b] BNPIT - Caboolture/Queensland University of Technology - Carseldine	4F		
D Information Technology (Software Development) Programming/B Business Information Technology[b] BNPIT - Bracken Ridge/Queensland University of Technology - Carseldine	4F	Completion of Year 12 *or* equivalent	B or C
D Multimedia CSIT - Mooloolaba GCIT - Gold Coast MIT - Alex Hills *fee* SQIT - Toowoomba	 1F 1 1/2F 1F		
D Multimedia/C IV Information Technology (Multimedia Integration) SBIT - Southbank *fee*	1F		
D Multimedia/C IV Information Technology (Multimedia Integration) for Women SBIT - Southbank *fee*	1F	Completion of Year 12 *or* equivalent, female applicants only will be considered for entry	
D Multimedia/CIV Multimedia WBIT - Hervey Bay *fee*	1F	Completion of Year 12 *or* equivalent	
Law			
D Justice Administration BrIT - Bundamba BNPIT - Bracken Ridge BNPIT - Caboolture BRIT - Townsville CQIT - Rockhampton CSIT - Maroochydore GCIT - Gold Coast LIT - Meadowbrook MIT - Alex Hills SBIT - Kangaroo Point WBIT - Maryborough YIT - Yeronga	 1 1/2F 1 1/2-2F 1 1/2F 2F 1 1/2F 1F 1 1/2F 1F 2F 1 1/2F	Completion of Year 12 *or* equivalent	B or C
D Justice Administration/B Social Science[b] BNPIT - Bracken Ridge/Queensland University of Technology - Carseldine	3 1/2-4F		
D Justice Administration/B Social Science (Human Services)[b] BNPIT - Bracken Ridge/Queensland University of Technology - Carseldine	3 1/2-4F		

TAFE Queensland (TAFE Qld) *continued*

Course Title‡	Course Duration in Years§	Prerequisites: Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP#
Primary Industries & Environment			
AdvD Renewable Energy BNPIT - Ithaca	2 1/2F	Physics (4,SA), Maths B or C (4,SA)	B or C
D Conservation & Land Management BRIT - Pimlico	2F	Completion of Year 12 *or* equivalent	
D Food Technology SBIT - Southbank	2F		
D Horticulture BNPIT - Grovely GCIT - Gold Coast	 1 1/2F 2F		
Sciences			
D Applied Science - Biotechnology SBIT - Southbank	2F	English (4,SA)	B or C
D Laboratory Technology CSIT - Mooloolaba SBIT - Southbank (Biological - Environmental Testing) SBIT - Southbank (Pathology Testing) SBIT - Southbank (Process Manufacturing) YIT - Yeronga (Biological - Environmental Testing)	 1F 2F 1F		

‡ All TAFE Qld courses are progressively being re-accredited in line with the National Training Package agenda. Institutes will offer the new Training Packages when all accreditation and registration requirements are finalised. Course titles, duration, structure and suitability for Year 12 admission may change; contact TAFE Qld on (07) 3247 5553 for further information.

§ Course durations may vary between institutes depending on the strands or electives offered, and the course delivery. Applicants should contact institutes to verify course durations. The published course duration is a recommended guideline only, students may be able to complete a course earlier by taking an accelerated program.

Field Positions are only relevant to applicants eligible for an Overall Position (OP). Applicants without an Overall Position will also be considered for entry to TAFE Qld courses.

a Contact the relevant TAFE institute for details.

b This course involves study at the specified TAFE institute, with completion of the course at the specified university campus. For further information, please call the relevant TAFE institute or university.

c Contact TAFE Qld on (07) 3247 5553 for further information.

d Contact the institute for verification of elective/strand areas on offer.

e Refer to Introduction, page 4, for a definition of assumed knowledge.

f Preference will be given to applicants who reside at these rural locations. These courses will be conducted in mixed mode delivery (involving a combination of on and off-campus study), contact SQIT or TNQIT for further details.

g Successful applicants will be required to undertake residential study in Toowoomba.

h Preference will be given to applicants of Aboriginal or Torres Strait Islander descent who reside in these regions.

i Applicants who have not completed Information Processing and Technology or Personal Computer Management may be required to undertake bridging studies.

THE UNIVERSITY OF NEW ENGLAND (UNE)

- **At time of publication, all UNE courses were HECS-based**
- **UNE has no prerequisites for selection and the following represents assumed knowledge or recommended subjects for study**

Course Title	Course Duration in Years	Assumed knowledge[a] Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP	
			Primary	Secondary
Built Environment & Design				
B Urban and Regional Planning	4F *or* 8P	English	A or B	C
Business & Tourism				
B Commerce with majors in accounting and finance for managers, agribusiness, applied economic analysis, business economics, e-commerce, finance and banking, financial accounting, hospitality and tourism, human resource management, indigenous organisation management, international economy, management, management accounting and business law, and marketing	3F *or* 6P	English and Maths B recommended	A or B	C
B Commerce/B Economics	4F *or* 8P			
B Commerce/B Laws	5F *or* 10P	English and Maths B		
B Commerce/B Teaching	4F *or* 8P			
B Economics	3F *or* 6P	English and Maths B recommended	A or B & C or D	C
B Economics/B Laws	5F *or* 10P	English and Maths B		
B Financial Administration majoring in accounting and financial management	3F *or* 6P	English and Maths B recommended		
B Financial Administration/B Laws	5F *or* 10P	English and Maths B		
Creative & Performing Arts				
B Music/B Teaching	4F *or* 8P	Music (4,SA) *or* AMEB performance standard Grade 6 *or* audition[a]; English recommended	A or B	C
Education				
B Education (Primary)	4F	English (4,SA), Maths A, B or C (4,SA)	A or B	C
Health & Recreation				
B Nursing (pre-registration)	3F	English, *plus* one of Earth Science, Physics, Chemistry, Agriculture and Animal Production, or Biological Science	A or B	C
Humanities & Social Sciences				
B Arts with majors in Aboriginal studies, ancient history, ancient literature in translation, Asian society, archaeology, Chinese, classical languages (Greek/Latin), communication studies, English, European cultures, French, geography and planning, German, history, Indonesian, international relations, Italian, Japanese, linguistics, music, philosophy, political science, psychology, sociology, studies in religion, theatre studies, women's and gender studies	3F *or* 6P	English	A or B	C
B Arts/B Commerce	4F *or* 8P	English; maths recommended		
B Arts/B Laws	5F *or* 10P	English		
B Arts/B Science	4F *or* 8P	English and Maths B; Chemistry and/or Physics and Biological Science recommended	A or B & C or D	C
B Arts/B Teaching	4F *or* 8P	English	A or B	C
B Asian Studies	3F *or* 6P			
B Communication Studies	3F *or* 6P			
B International Studies*	3F *or* 6P			
B Languages with majors in French, German, Indonesian, Italian, Japanese and Mandarin	4F *or* 8P	English; knowledge of language of proposed specialisation recommended		
B Psychology with Honours	4F *or* 8P	English		
B Social Science with majors in psychology and sociology	3F *or* 6P			
Information Technology				
B Computer Science	3F *or* 6P	Maths B (4,HA)	C or D	C
B Computer Science/B Laws	5F *or* 10P			
B Information Technology/B Teaching	4F *or* 8P			
Law				
B Laws with combinations of Arts, Commerce, Computer Science, Economics, Financial Administration, and Science (see entries under relevant areas)				

The University of New England (UNE) *continued*

Course Title	Course Duration in Years	Assumed knowledge[a] Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP	
			Primary	Secondary
Primary Industries & Environment				
B Agribusiness	3F	English and Maths B recommended	A or B & C or D	C
B Agricultural Economics	4F *or* 8P			
B Agriculture	3F	Maths B and Chemistry; Physics, Biological Science or Agriculture and Animal Production recommended	C or D	D
B Environmental Science	3F *or* 6P	Maths, Chemistry; Physics and/or Biological Science recommended	C or D	D
B Natural Resources	4F	Maths B and Chemistry; Physics or Biological Science recommended		
B Natural Resources/B Urban and Regional Planning	5F *or* 10P	Maths B, Chemistry or Science, Geography, Economics; Physics and/or Biological Science recommended		
B Rural Science	4F	Maths B and Chemistry; Physics, Biological Science or Agriculture and Animal Production recommended		
Sciences				
B Mathematics/B Teaching	4F *or* 8P	Maths B (4,HA)	C or D	C
B Science with majors in archaeology, biochemistry, biosystematics, botany, chemistry, computer science, ecology, electronics, genetics, geography, geology, horticultural science, marine science, mathematics, microbiology, molecular biotechnology, physics, physiology, plant pathology, psychology, and zoology	3F *or* 6P	Maths B; Physics or Chemistry recommended depending on specialisation	C or D	D
B Science/B Laws	5F *or* 10P			
B Science/B Teaching	4F *or* 8P			
B Science (Advanced) See majors under B Science	3F *or* 6P			
B Science (Biomedical Science)	3F *or* 6P			

* Subject to final approval.

a For entry to most UNE courses, UNE uses an assumed knowledge or recommended study entry scheme. The exception to this rule is **B Music/ B Teaching** in which Music (4,SA) **or** AMEB performance standard Grade 6 **or** audition is a requirement for admission. Unless otherwise mentioned, the level of study for UNE courses is 'assumed'. Refer to Introduction, 4, for a definition of assumed knowledge and recommended subjects for study.

THE UNIVERSITY OF QUEENSLAND (UQ)

Course Title	Course Duration in Years	Prerequisites Where there are problems in satisfying prerequisites - write to the Executive Dean of the Faculty concerned. Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP Primary	 Secondary
ST LUCIA CAMPUS				
Built Environment & Design				
B Architecture	5F	English (4,SA)	B & C	E
B Regional and Town Planning	4F			
Business & Tourism				
B Business Management with majors in business economics, e-business, human resource management and industrial relations, international business, management and organisations, marketing, and real estate and development	3F *or* 6P	English (4,SA), Maths A (4,SA) or any combination Maths A, B, or C (4,SA) or any combination of 'LA' in Maths B or C and 'SA' in Maths A[a]	C	B
B Business Management/B Arts	4F§			
B Business Management/B Commerce	4F§			
B Business Management/B Economics	4F§			
B Business Management/B Education (Secondary)	4F§			
B Business Management/B Information Technology	4F§			
B Business Management/B Journalism	4F§			
B Business Management/B Laws *hecs/fee*	5F *or* 10P	English (4,SA), Maths A, B or C (4,SA)[a]	A or B	C
B Business Management/B Science	4F§	English (4,SA), Maths B (4,SA), *plus* either Chemistry (4,SA) *or* Physics (4,SA)	C	B
B Business Management/B Social Science	4F§	English (4,SA), Maths A (4,SA) or any combination Maths A, B, or C (4,SA) or any combination of 'LA' in Maths B or C and 'SA' in Maths A[a]		
B Commerce	3F *or* 6P	English (4,SA), Maths A, B or C (4,SA)[a]		
B Commerce/B Arts	4F§			
B Commerce/B Economics	4F§			
B Commerce/B Education (Secondary)	4F§			
B Commerce/B Information Technology	4F§			
B Commerce/B Journalism	4F§			
B Commerce/B Laws *hecs/fee*	5F *or* 10P	English (4,SA), Maths A, B or C (4,SA)[a]	A or B	C
B Commerce/B Science	4F§	English (4,SA), Maths B (4,SA), *plus* either Chemistry (4,SA) *or* Physics (4,SA)	C	B
B Commerce/B Social Science	4F§	English (4,SA), Maths A, B or C (4,SA)[a]		
B Economics	3F *or* 6P			
B Economics/B Arts	4F§			
B Economics/B Education (Secondary)	4F§			
B Economics/B Information Technology	4F§			
B Economics/B Journalism	4F§			
B Economics/B Laws *hecs/fee*	5F *or* 10P	English (4,SA), Maths A, B or C (4,SA)[a]	A or B	C
B Economics/B Science	4F§	English (4,SA), Maths B (4,SA), *plus* either Chemistry (4,SA) *or* Physics (4,SA)	C	B
B Economics/B Social Science	4F§	English (4,SA), Maths A, B or C (4,SA)[a]		
B International Hotel & Tourism Management	3F *or* 6P			
B International Hotel & Tourism Management/B Arts	4F			
Creative & Performing Arts				
B Music	4F	English (4,SA), Music (4,SA)[b], *plus* pass in test of practical ability and musicianship, and interview	Not Applicable	
B Music/B Arts	5F			
B Music/B Education (Secondary)	5F			
Education				
B Agricultural Science/B Education (Secondary)[c] (Animal Science or Plant and Soil Science)	5F	Same as B Agricultural Science (St Lucia or Gatton)		
B Applied Science - Food Science and Nutrition/ B Education (Secondary)	4F	Same as B Applied Science - Food Science and Nutrition		
B Arts/B Education (Secondary)	4F	Same as B Arts		
B Business Management/B Education (Secondary)	4F§	Same as B Business (Management)		
B Commerce/B Education (Secondary)	4F§	Same as B Commerce		
B Economics/B Education (Secondary)	4F§	Same as B Economics		

The University of Queensland (UQ) *continued*

Course Title	Course Duration in Years	Prerequisites Where there are problems in satisfying prerequisites - write to the Executive Dean of the Faculty concerned. Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP Primary	 Secondary
St Lucia campus *continued*				
Education *continued*				
B Music/B Education (Secondary)	5F	Same as B Music		
B Natural Resource Economics (Agricultural Economics)/ B Education (Secondary)	5F	Same as B Natural Resource Economics		
B Science/B Education (Secondary)	4F	Same as B Science		
B Social Science/B Education (Secondary)	4F *or* 8P	Same as B Social Science		
Engineering & Technology				
B Engineering with specialisations in biomedical, chemical, civil, computer systems, electrical, environmental, materials, mechanical, mechanical and space, mechatronics, minerals process, mining, and software engineering	4F *or* 8P	English (4,SA), Maths B (4,SA), *plus* either Chemistry (4,SA) or Physics (4,SA)	D	B
B Engineering/B Arts	5F			
B Engineering (Chemical)/B Biotechnology (Process Technology)	5F			
B Engineering/B Business Management	5F			
B Engineering/B Commerce	5F			
B Engineering/B Economics	5F			
B Engineering/B Information Technology	5F			
B Engineering/B Science	5F			
Health & Recreation				
B Applied Health Science (Indigenous Primary Health Care)[d]	3F *or* 4X[e]	English (4,SA) or a test, and interview administered by the University's Indigenous Health Program	Not Applicable	
B Applied Health Science (Oral Health)	3F	English (4,SA), *plus* one of Biological Science, Chemistry *or* Physics (4,SA)	B & C	B or C[ø]
B Applied Science (Human Movement Studies)	4F *or* 8P	English (4,SA), *plus* one of Biological Science, Chemistry *or* Physics (4,SA)[Δ]		
B Nursing	2 1/2F	English (4,SA), *plus* one of Biological Science, Chemistry *or* Physics (4,SA)		
B Occupational Therapy *hecs/fee*	4F			
B Pharmacy *hecs/fee*	4F	English (4,SA), Maths B (4,SA), Chemistry (4,SA)		
B Physiotherapy *hecs/fee*	4F	English (4,SA), *plus* one of Biological Science, Chemistry *or* Physics (4,SA)		
B Speech Pathology *hecs/fee*	4F			
Humanities & Social Sciences				
B Arts in Aboriginal & Torres Strait Islander studies, American studies, ancient history, anthropology, archaeology, architectural studies, art history, Asian languages and culture, Asian studies, Australian studies, Chinese, cognitive science, communication and cultural studies, communication and language, comparative literary and cultural studies, criminology, drama, economics, English, English language studies, environmental studies, European studies, film and television, French, geographical studies, German, governance and public policy, Greek, history, Indonesian, industrial relations, information management, information technology, international relations, Japanese, journalism, Korean, Latin, linguistics, literary studies, mathematics, media studies, medieval and early modern studies, music, peace and conflict studies, philosophy, planning, political science, psychology, Russian, sociology, Spanish, sports studies, studies in language, studies in religion, women's studies, and writing	3F *or* 6P	English (4,SA)	A or B	A or B[øø]
B Arts/B Business Management	4F[§]	English (4,SA), Maths A (4,SA) or any combination Maths A, B, or C (4,SA) or any combination of 'LA' in Maths B or C and 'SA' in Maths A[a]	A or B	C

The University of Queensland (UQ) *continued*

Course Title	Course Duration in Years	Prerequisites Where there are problems in satisfying prerequisites - write to the Executive Dean of the Faculty concerned. Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP Primary	 Secondary
St Lucia campus *continued*				
Humanities & Social Sciences *continued*				
B Arts/B Education (Secondary)	4F[S] *or* 8P	English (4,SA)	A or B	A or B[ØØ]
B Arts/B Laws *hecs/fee*	5F or 10P	English (4,SA)	A or B	C
B Communication	3F *or* 6P			
B Journalism	3F *or* 6P	English (4,SA)	A or B	A or B[ØØ]
B Journalism/B Arts	4F			
B Journalism/B Laws *hecs/fee*	5F´ *or* 10P	English (4,SA)	A or B	C
B Journalism/B Social Science	4F	English (4,SA)	A or B	A or B[ØØ]
B Psychological Science	4F *or* 8P			
B Social Science	3F *or* 6P			
B Social Science/B Arts	4F[S] *or* 8P			
B Social Science/B Education (Secondary)	4F[S] *or* 8P			
B Social Work	4F *or* 4P & 2F			
B Social Work/B Arts	5F			
B Social Work/B Social Science	5F´ *or* 10P	English (4,SA)	B	n/a
Information Technology				
B Information Technology	3F *or* 6P	English (4,SA); Maths B recommended	B & C	B or C[Ø]
B Information Technology/B Arts	4F			
B Information Technology/B Commerce	4F	English (4,SA), Maths A, B or C (4,SA)[a]		
B Information Technology/B Journalism	4F	English (4,SA); Maths B recommended		
B Information Technology/B Science	4F			
B Information Technology/B Laws *hecs/fee*	5F´ *or* 10P	English (4,SA)	A or B	C
Law				
B Laws *hecs/fee*	4F *or* 8P	English (4,SA)	A or B	C
Primary Industries & Environment				
B Agricultural Science (Animal Science) or (Plant and Soil Science)	4F	English (4,SA), Maths B (4,SA), Chemistry (4,SA); Agricultural Science and/or Biological Science recommended	C	B
B Agricultural Science/B Arts	5F			
B Agricultural Science/B Education (Secondary)	5F			
B Environmental Management (Sustainable Development)	4F *or* 8P	English (4,SA); Maths B, Biological Science and/or Chemistry recommended	B & C	B or C[Ø]
B Environmental Management (Sustainable Development)/ B Laws *hecs/fee*	6F	English (4,SA); Agricultural Science, Biological Science and/or Geography recommended		
B Natural Resource Economics	4F *or* 8P	English (4,SA), Maths A, B or C (4,SA); Economics recommended	C	B
B Natural Resource Economics/B Arts	5F			
B Natural Resource Economics/B Education (Secondary)	5F			
Sciences				
B Applied Science (Food Science and Nutrition)	3F *or* 6P	English (4,SA), Maths B (4,SA), Chemistry (4,SA); Biological Science recommended	C	B
B Applied Science (Food Science and Nutrition)/B Arts	4F			
B Applied Science (Food Science and Nutrition)/B Education (Secondary)	4F			
B Applied Science (Geophysics)	4F *or* 8P	English (4,SA), Maths B (4,SA), *plus* either Chemistry (4,SA) *or* Physics (4,SA)	B & C	B or C[Ø]
B Biotechnology	4F *or* 8P			
B Environmental Science in ecology, earth resources, molecular and microbial science and natural resource science	4F *or* 8P	English (4,SA), Maths B (4,SA), *plus* either Chemistry (4,SA) *or* Physics (4,SA)*; Agricultural Science, Earth Science or Biological Science recommended		
B Food Technology	4F *or* 8P	English (4,SA), Maths B (4, SA), Chemistry (4,SA)	C	B
B Marine Studies	4F *or* 8P	English (4,SA), Maths B (4,SA), *plus* either Chemistry (4,SA) *or* Physics (4,SA)	B & C	B or C[Ø]
B Science	3F *or* 6P	English (4,SA), Maths B (4,SA), *plus* either Chemistry (4,SA) *or* Physics (4,SA)	B or C	B or C[ØØ]
B Science (Biomedical Science)	3F *or* 6P			

The University of Queensland (UQ) *continued*

Course Title	Course Duration in Years	Prerequisites Where there are problems in satisfying prerequisites - write to the Executive Dean of the Faculty concerned. Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP Primary	 Secondary
St Lucia campus *continued*				
Sciences *continued*				
B Science/B Arts	4F[§] *or* 8P	English (4,SA), Maths B (4,SA), *plus* either Chemistry (4,SA) *or* Physics (4,SA)	B or C	B or C[øø]
B Science/B Education (Secondary)	4F			
B Science/B Laws *hecs/fee*	5F	English (4,SA), Maths B (4,SA), *plus* either Chemistry (4,SA) *or* Physics (4,SA)	A or B	C
B Veterinary Science *hecs/fee*	5F	English (4,SA), Maths B (4,SA), Chemistry (4,SA), Physics (4,SA)	B & C	C
GATTON CAMPUS				
Primary Industries & Environment				
B Agribusiness	3F *or* 6P	English (4,SA), Maths A, B or C (4,SA)	C	B
B Agribusiness/B Applied Science (Agronomy, Animal Studies, Horticulture)	4F			
B Agribusiness/B Applied Science (Food Science and Nutrition)[f]	4F	English (4,SA), Maths B (4,SA), Chemistry (4,SA); Biological Science recommended		
B Agricultural Science (Rural Management or Rural Technology)	4F *or* 8P *or* 8X	English (4,SA), plus one of Maths B (4,SA) or Chemistry (4,SA); Agricultural Science or Biological Science recommended		
B Agricultural Science/B Arts[f]	5F			
B Agricultural Science/B Education (Secondary)[c]	5F			
B Applied Science (Agronomy)	3F *or* 6P *or* 6X	English (4,SA); Biological Science, Chemistry, Maths B, or Agricultural Science recommended		
B Applied Science (Agronomy)/B Arts[f]	4F			
B Applied Science (Agronomy)/B Education (Secondary)[c]	4F			
B Applied Science (Animal Studies)	3F *or* 6P *or* 6X			
B Applied Science (Animal Studies)/B Arts[f]	4F			
B Applied Science (Animal Studies)/B Education (Secondary)[c]	4F			
B Applied Science (Environmental Tourism)	3F *or* 6P *or* 6X			
B Applied Science (Environmental Tourism)/B Arts[f]	4F			
B Applied Science (Environmental Tourism)/B Education (Secondary)[c]	4F			
B Applied Science (Horticulture)	3F *or* 6P *or* 6X			
B Applied Science (Horticulture)/B Arts[f]	4F			
B Applied Science (Horticulture)/B Education (Secondary)[c]	4F			
B Applied Science (Protected Area Management)	3F *or* 6P *or* 6X			
B Environmental Management (Natural Systems and Wildlife)	4F *or* 8P *or* 8X	English (4,SA); Maths B, Biological Science, or Chemistry recommended	B & C	B or C[ø]
B Environmental Management (Natural Systems and Wildlife)/B Laws[f] *hecs/fee*	6F	English (4,SA); Agricultural Science, Biological Science, or Geography recommended		
B Environmental Management (Rural Systems)	4F *or* 8P	English (4,SA); Maths B, Biological Science, or Chemistry recommended		
B Environmental Management (Tropical Forestry)	4F *or* 8P			
D Applied Science (Agronomy)	2F *or* 4P *or* 4X	Nil; English, Biological Science or Agricultural Science recommended	C	B
D Applied Science (Animal Production)				
D Applied Science (Equine Studies)				
D Applied Science (Forestry)				
D Applied Science (Horticulture)				
D Applied Science (Marine Resources)				
D Applied Science (Wilderness Reserves and Wildlife)				
IPSWICH CAMPUS				
Business & Tourism				
B Business Communication	3F *or* 6P	English (4,SA), Maths A, B or C (4,SA)	C	B
B Business Communication/B Business Management	4F	English (4,SA), Maths A (4,SA) or any combination Maths A, B, or C (4,SA) or any combination of 'LA' in Maths B or C and 'SA' in Maths A		
B Business Communication/B Contemporary Studies	4F	English (4,SA), Maths A,B or C (4,SA)		

Course Title	Course Duration in Years	Prerequisites Where there are problems in satisfying prerequisites - write to the Executive Dean of the Faculty concerned. Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP Primary	 Secondary
Ipswich campus *continued*				
Business & Tourism *continued*				
B Business Communication/B Electronic Commerce	4F	English (4,SA), Maths A, B or C (4,SA)	C	B
B Business Communication/B Social Science	4F			
B Business Management with majors in event management, hospitality management, leisure and recreation management, travel and tourism management	3F *or* 6P	English (4,SA), Maths A (4,SA) or any combination Maths A, B, or C (4,SA) or any combination of 'LA' in Maths B or C and 'SA' in Maths A		
B Business Management/B Applied Science (Environmental Tourism)	4F	English (4,SA), Maths A (4,SA) or any combination Maths A, B, or C (4,SA) or any combination of 'LA' in Maths B or C and 'SA' in Maths A; Agricultural Science, Biological Science, or Chemistry recommended		
B Business Management/B Contemporary Studies	4F			
B Business Management/B Electronic Commerce	4F			
B Electronic Commerce	3F *or* 6P	English (4,SA), Maths A, B or C (4,SA)		
B Electronic Commerce/B Laws[g] *hecs/fee*	5F´ *or* 10P			
All the above Business Management dual degrees are available with majors offered at Ipswich campus only				
Education				
B Behavioural Studies/B Education (Middle Years of Schooling)	4F	English (4,SA)	A or B	A or BØØ
B Business Management/B Education (Secondary)	4F			
B Contemporary Studies/B Education (Middle Years of Schooling)	4F			
B Social Science/B Education (Middle Years of Schooling)	4F			
Humanities & Social Sciences				
B Arts/B Business Communication[g]	4F	English (4,SA), Maths A, B or C (4,SA)	C	B
B Behavioural Studies	3F *or* 6P	English (4,SA)	A or B	A or BØØ
B Contemporary Studies	3F *or* 6P			
B Social Science	3F *or* 6P			
Information Technology				
B Information Environments	3F *or* 6P	English (4,SA); Maths A or B recommended	B & C	B or CØ
B Information Environments/B Contemporary Studies	4F			
B Multimedia Design	3F *or* 6P			

hecs/fee Places in these courses are available on a HECS or a full fee-paying basis; contact UQ for details.

§ These degrees require a workload typical of a four and a half year program. Students usually undertake additional courses in some semesters and complete requirements in four years.

´ These degrees require a workload typical of a five and a half year program. Students usually undertake additional courses in some semesters and complete requirements in five years.

ø If finer discrimination than that provided by the Primary Selector is required, applicants will be differentiated on the basis of their higher Field Position from the two fields used as the Primary Selector.

Δ Students undertaking the B AppSc in Human Movement Studies may experience difficulty if both Chemistry and Physics have not been taken at Year 12 level.

øø If finer discrimination than that provided by the Primary Selector is required, applicants will be differentiated on the basis of their Field Positions in whichever of these two fields was not used as the Primary Selector.

* Subject to final approval.

a Students who have not achieved a result of 'Sound Achievement' or higher in Maths B, or the equivalent, must complete a specified University of Queensland introductory mathematics course, which will not be counted towards the program.

b Students may satisfy this requirement with a pass in an AMEB Grade VII practical examination, and Grade V Theory or Musicianship. Trinity College London (TCL) awards may also be considered.

c Students are required to undertake studies throughout the degree at both Gatton and St Lucia. The final year is devoted solely to education studies and is conducted at St Lucia.

d This program may be expanded. Please contact the School of Population Health at UQ on (07) 3365 5410 for prerequisite subjects.

e This distance education program is administered through CIHER on Thursday Island. Students are required to attend blocks of study on-campus and weekly sessions which may be on or off-campus.

f Students are required to undertake studies throughout the degree at both Gatton and St Lucia.

g Students are required to undertake studies throughout the degree at both Ipswich and St Lucia.

B Dental Science applicants are required to undertake one year of prescribed tertiary study in a science field before applying for entry to the program.
Recommended Senior studies: Biological Science, Chemistry and Physics.
Medicine is a four-year graduate degree. Applicants must have a bachelor's degree from a university. Selection for the program will be based on GPA, results in an admissions test and an interview.

UNIVERSITY OF SOUTHERN QUEENSLAND (USQ)

• At time of publication, all USQ courses were HECS-based

Course Title	Course Duration in Years	Prerequisites[ø] Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP	
			Primary	Secondary
TOOWOOMBA CAMPUS				
Business & Tourism				
B Applied Finance	3F *or* 6P *or* 6X	English and maths recommended	B	C
B Business[a] with majors in administrative management, applied economics and resources management, business law, e-commerce, human resource management, logistics and operations management, management and leadership, marketing, organisation and business communication, and tourism management	3F *or* 6P *or* 6X	English (4,SA)		
B Business with majors in computer software development, e-technologies, and information technology management	3F *or* 6P *or* 6X			
B Business/B Information Technology	4F *or* 8P *or* 8X			
B Business Administration	3F *or* 6P *or* 6X			
B Commerce with majors in accounting, banking, business law, e-commerce, general commerce, or finance	3F *or* 6P *or* 6X	English and maths recommended		
B Commerce/B Business	4F *or* 8P *or* 8X	English (4,SA)		
B Commerce/B Education (Secondary)	4F *or* 8P			
B Commerce/B Information Technology	4F *or* 8P *or* 8X	English (4,SA); Maths B recommended		
B Commerce (Finance)/B Science (Applied Mathematics)	4F *or* 9P *or* 9X	English (4,SA), Maths B (4,SA)		
B e-Commerce	3F *or* 6P *or* 6X	English and maths recommended		
B Finance and Economics	3F *or* 6P *or* 6X	English (4,SA); maths recommended		
B Financial Administration	3F *or* 6P *or* 6X			
B Tourism	3F *or* 6P *or* 6X	English (4,SA)		
B Tourism/B Business	4F *or* 7P *or* 7X			
AB Finance and Economics	3F *or* 6P *or* 6X	English (4,SA); maths recommended		
AdvD Business	1 1/2F *or* 3P *or* 4X	English (4,SA)		
AdvD Finance and Economics	1 1/2F *or* 3P *or* 3X	English (4,SA); maths recommended		
C Banking and Financial Services	1/2F *or* 1P *or* 1X	English and maths recommended	Not Applicable	
C Business	1/2F *or* 1P *or* 1X	English and maths recommended	B	C
C Commerce	1/2F *or* 1P *or* 1X			
C Finance and Economics	1/2F *or* 1P *or* 1X	English (4,SA); maths recommended		
Creative & Performing Arts				
B Drama/B Education (Secondary)	4F *or* 8P	English (4,SA), *plus* interview and audition; Drama recommended	B	E
B Music	3F *or* 7P *or* 7X	English (4,SA), *plus* interview and audition		
B Music/B Education (Secondary)	4F *or* 8P			
B Theatre Arts with majors in acting, and stage management and technical production	3F			
B Theatre Arts with majors in drama and theatre studies	3F *or* 6P *or* 6X			
B Visual Arts	3F *or* 6P	English (4,SA), plus interview, portfolio, drawing test and written critique		
B Visual Arts/B Education (Secondary)	4F *or* 8P	English (4,SA), *plus* interview/portfolio		
AB Music	2F *or* 4P *or* 4X	English (4,SA) *plus* interview and audition		
Education				
B Early Childhood Studies (Childcare)	3F *or* 6P	English (4,SA)	B	C
B Education (Early Childhood)	4F *or* 7P			
B Education (Primary)	4F *or* 7P			
B Education (Secondary)	4F *or* 7P	English (4,SA) (additional prerequisites may be required for some discipline areas)		
C Education Studies	1/2F *or* 1P	English (4,SA)		

Course Title	Course Duration in Years	Prerequisites[ø] Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP	
			Primary	Secondary
Toowoomba campus *continued*				
Engineering & Technology				
B Engineering with majors in agricultural, civil, computer systems, electrical and electronic, environmental, instrumentation and control (only available by distance education), mechanical, mechatronic, or software engineering	4F *or* 8X	English (4,SA), Maths B (4,SA); Physics recommended	D	B
B Engineering/B Business	5F			
B Engineering/B Information Technology	5F			
B Engineering/B Science	5F			
B Engineering Technology - Building and Construction Management	3F *or* 6X	English (4,SA); Maths A assumed[b]; Maths B recommended		
B Engineering Technology - Civil Engineering	3F *or* 6X			
B Engineering Technology - Computer Systems Engineering	3F *or* 6X			
B Engineering Technology - Electrical and Electronic Engineering	3F *or* 6X			
B Engineering Technology - Environmental Engineering	3F *or* 6X			
B Engineering Technology - Mechanical Engineering	3F *or* 6X			
B Surveying	4F or 8X	English (4,SA), Maths B (4,SA); Physics recommended		
B Technology - Geographic Information Systems	3F *or* 6X	English (4,SA); Maths A assumed[b]; Maths B recommended		
B Technology - Surveying	3F *or* 6X			
AB Civil Engineering	2F *or* 4X			
AB Computer Systems Engineering	2F *or* 4X			
AB Electrical and Electronic Engineering	2F *or* 4X			
AB Environmental Engineering	2F *or* 4X			
AB Geographic Information Systems	2F *or* 4X			
AB Mechanical Engineering	2F *or* 4X			
AB Surveying	2F *or* 4X			
Health & Recreation				
B Biomedical Science	3F *or* 6P	English (4,SA), Maths B (4,SA); Biological Science, Chemistry, or Physics recommended	C	B
B Nursing (pre-registration)	3F *or* 6P	English (4,SA), Maths A or B or any combination (4,SA); Biological Science, Chemistry, Physics, or Multi-Strand Science recommended	B	C
Humanities & Social Sciences				
B Arts with majors in anthropology, Asian studies, communication and media studies, drama, English literature, German, history, Indonesian, international relations, introductory German, journalism, Mandarin, media production, music history or music practice, organisation and business communication, public relations, and visual arts practice or visual arts theory	3F *or* 6P	English (4,SA); applicants for German major (but not introductory German) should have completed German (4,SA) *or* equivalent	A or B	C
B Arts with majors in anthropology, Asian studies, communication and media studies, drama, English literature, history, Indonesian, international relations, journalism, music history, organisation and business communication, and public relations	6X	English (4,SA)		
B Arts/B Business	4F *or* 8P *or* 8X			
B Arts/B Commerce	4F *or* 8P *or* 8X			
B Arts/B Education (Secondary)	4F *or* 8P	English (4,SA)	B	C
B Arts/B Science	4F *or* 8P *or* 8X	English (4,SA), Maths B (4,SA)	A or B	C
B General Studies (not all majors are available by distance education)	3F *or* 6P *or* 6X	English (4,SA)		
B International Studies	3F *or* 6P *or* 6X	English (4,SA); applicants for German major (but not introductory German) should have completed German (4,SA) *or* equivalent		
B Mass Communication	3F *or* 6P *or* 6X	English (4,SA)		

University of Southern Queensland (USQ) *continued*

Course Title	Course Duration in Years	Prerequisites[ø] Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP	
			Primary	Secondary
Toowoomba campus *continued*				
Humanities & Social Sciences *continued*				
B Science - Psychology	3F *or* 6P *or* 6X	English (4,SA); Maths A recommended	B	C
AB General Studies (not all majors are available by distance education)	2F *or* 4P *or* 4X	English (4,SA)	A or B	C
C General Studies	1/2F *or* 1P *or* 1X			
C Public Relations	1X			
Information Technology				
B Information Technology with majors in applied computer science, networking, software engineering	3F *or* 6P *or* 6X	English (4,SA), Maths A (4,SA) or any combination of Maths A, B or C (4,SA) or any combination of LA in Maths B or C and SA in Maths A; Maths B recommended	B	C
B Information Technology[C] with majors in computer software development, e-technologies, and information technology management	3F *or* 6P *or* 6X	English (4,SA)		
B Information Technology with a major in mathematics and computing	3F *or* 6P *or* 6X	English (4,SA), Maths B (4,SA)	D	B
B Information Technology/B Science (not all majors are available by distance education)	4F *or* 8P *or* 8X	English (4,SA), Maths B (4,SA); Biological Science, Chemistry, or Physics recommended		
B Science (Information Technology)	3F *or* 6P *or* 6X	English (4,SA), Maths A (4,SA) or any combination of Maths A, B or C (4,SA) or any combination of LA in Maths B or C and SA in Maths A; Maths B recommended	C	B
Sciences				
B Bioinformatics	4F *or* 8P	English (4,SA), Maths B (4,SA); Biological Science, Chemistry, or Physics recommended	C	B
B Science - Applied Mathematics	3F *or* 6P *or* 6X	English (4,SA), Maths B (4,SA)	D	B
B Science - Biology	3F *or* 6P	English (4,SA), Maths B (4,SA); Biological Science, Chemistry, or Physics recommended	C	B
B Science - Climatology	3F *or* 6P *or* 6X	English (4,SA), Maths B (4,SA); Biological Science, Chemistry, or Physics recommended	D	B
B Science - Science (not all majors are available by distance education)	3F *or* 6P *or* 6X	English (4,SA), Maths B (4,SA); Biological Science, Chemistry, or Physics recommended	C	B
B Science/B Business (not all majors are available by distance education)	4F *or* 8P *or* 8X	English (4,SA), Maths B (4,SA); Biological Science, Chemistry, or Physics recommended	D	B
B Science/B Education (Secondary)	4F *or* 8P			
C Climate Studies	1/2F *or* 1P *or* 1X	English and maths recommended	C	B
WIDE BAY CAMPUS				
Business & Tourism				
B Applied Finance	3F *or* 6P†	English and maths recommended	B	C
B Business with majors in administrative management, business law, computer software development, human resource management*, information technology management, and management and leadership	3F *or* 6P	English (4,SA)		
B Business/B Information Technology	4F *or* 8P			
B Business Administration	3F *or* 6P†			
B Commerce with majors in accounting and finance	3F *or* 6P†	English and maths recommended		
B Commerce/B Business	4F *or* 8P	English (4,SA)		
B Commerce/B Education (Secondary)	4F *or* 8P			
B Commerce/B Informatics	4F *or* 8P	English (4,SA)	D	B
B Commerce/B Information Technology	3F *or* 6P†	English (4,SA); Maths B recommended	B	C
B e-Commerce	3F *or* 6P†	English and Maths recommended		
B Finance and Economics	3F *or* 6P†			
B Financial Administration	3F *or* 6P†			

University of Southern Queensland (USQ) *continued*

Course Title	Course Duration in Years	Prerequisites[ø] Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP	
			Primary	Secondary
Wide Bay campus *continued*				
Business & Tourism *continued*				
B Tourism	3F *or* 6P	English (4,SA)	B	C
B Tourism/B Business	3F *or* 6P†			
AdvD Business	1 1/2F *or* 3P			
C Business	1/2F or 1P	English and maths recommended		
C Commerce	1/2F *or* 1P			
Education				
B Education (Early Childhood)	4F *or* 7P	English (4,SA)	B	C
B Education (Primary)	4F *or* 7P			
B Education (Secondary)	4F *or* 7P	English (4,SA) (additional prerequisites may be required for some discipline areas)		
C Education Studies	1/2F *or* 1P	English (4,SA)		
Health & Recreation				
B Nursing (pre-registration)	3F *or* 6P	English (4,SA), Maths A or B or any combination (4,SA); Biological Science, Chemistry, Physics, or Multi-Strand Science recommended	B	C
Humanities & Social Sciences				
B Arts with majors in communication and media studies, English literature, journalism, Mandarin, and public relations	3F *or* 6P	English (4,SA)	A or B	C
B Arts/B Business	4F *or* 8P			
B Arts/B Commerce	4F *or* 8P			
B General Studies	3F *or* 6P			
B Mass Communication	3F *or* 6P			
B Multimedia Studies	3F *or* 6P			
AB General Studies	2F *or* 4P†			
D Community Welfare and Development	1F *or* 2P			
C Community Welfare and Development	1/2F *or* 1P			
C Corporate Communication	1/2F *or* 1P			
C General Studies	1/2F *or* 1P			
C Public Relations	1/2F *or* 1P			
Information Technology				
B Informatics - Computer Software Development	3F *or* 6P	English (4,SA)	D	B
B Informatics - Software Engineering	3F *or* 6P	English (4,SA), Maths A (4,SA) or any combination of Maths A, B or C (4,SA) or any combination of LA in Maths B or C and SA in Maths A; Maths B recommended	B	C
B Information Technology with majors in applied computer science, networking, software engineering	3F *or* 6P†			
B Information Technology with majors in computer software development, e-technologies, and information technology management	3F *or* 6P†	English (4,SA)		
B Information Technology with a major in mathematics and computing	3F *or* 6P *or* 6X	English (4,SA), Maths B (4,SA)	D	B

ø It is the policy of USQ to give preference to those who have fully met the prerequisites. However, if places are available, applicants lacking some or all of the prerequisite subjects may be considered. Applicants admitted under these provisions may be required to possess a higher OP or entry rank than that required of applicants selected under standard admission provisions.

* Subject to final approval.

† Some, but not all, courses may be completed at Wide Bay. Students who enrol at Wide Bay may continue their studies at Toowoomba or for some courses by distance education. Students who continue their studies by distance education in the Wide Bay area can access the facilities at the Wide Bay campus. Additional units will be offered at Wide Bay in the future and will be taught in a variety of ways, including electronic delivery and intensive teaching.

a Entry to this course is also available via D Business (SQIT)/B Business (USQ). See entry under TAFE Queensland.

b Refer to Introduction, page 4, for a definition of assumed knowledge.

c Entry to this course is also available via D Information Technology (SQIT)/B Information Technology (USQ). See entry under TAFE Queensland.

UNIVERSITY OF THE SUNSHINE COAST (USC)

- At time of publication, all USC courses were HECS-based
- USC has no prerequisites for selection and the following represents recommended subjects for study

Course Title	Course Duration in Years	Recommended study[a] Subjects (No. of Sem Units, Exit Assessment)	Fields used for Selection within OP	
			Primary	Secondary
Business & Tourism				
B Business with majors in accounting, information systems, international business, management, marketing, and tourism	3F *or* 6P	English and maths	B or C	ø
B Business (Accounting)	3F *or* 6P			
B Business/B Science	4F *or* 8P	English, maths and at least one of the sciences		
B Business (Information Systems)	3F *or* 6P	English and maths		
B Business (International Business)	3F *or* 6P			
B Business (Management)	3F *or* 6P			
B Business (Marketing)	3F *or* 6P			
B Business (Tourism)	3F *or* 6P			
B Sustainable Tourism	3F *or* 6P	English, maths and at least one of the sciences		
Creative & Performing Arts				
B Arts (Computer-based Art and Design)	3F *or* 6P	English	A or B	C
B Arts (Design and Marketing)	3F *or* 6P			
Health & Recreation				
B Science (Biomedical Science)	3F *or* 6P	English, maths and at least one of the sciences	C	B
B Science (Public Health)	3F *or* 6P			
B Science (Sport and Exercise Science)	3F *or* 6P			
Humanities & Social Sciences				
B Arts with majors in Australian and cultural studies, communication studies, creative writing, environmental and planning studies (including geography and demographics), historical studies, Indonesian, Italian and Japanese, politics and international studies, public relations, social and community studies, sociology, and studies in art and design (including computer-based art and design, computer graphics and electronic media)	3F *or* 6P	English	A or B	C
B Arts/B Business	4F *or* 8P	English and maths		
B Arts/B Science	4F *or* 8P	English, maths and at least one of the sciences		
B Arts (Communication)	3F *or* 6P	English		
B Arts (Environment and Heritage)	3F *or* 6P			
B Arts (International Studies)	3F *or* 6P			
B Arts (Popular Culture)	3F *or* 6P			
B Social Science	3F *or* 6P			
B Social Science (Community Work)	3F *or* 6P			
Information Technology				
B Information Technology (e-Commerce and Design)	3F *or* 6P	English and maths	B or C	n/a
Primary Industries & Environment				
B Science (Environmental Science)	3F *or* 6P	English, maths and at least one of the sciences	C	B
Sciences				
B Science with specialisations in biotechnology, environmental management, applied and environmental microbiology, environmental restoration, exercise prescription, human health and development, managed ecosystems, marine science, medical microbiology and immunology, natural environment, nutrition, pharmacology and toxicology, performance enhancement, rehabilitation physiology and anatomy, public health promotion, and public health research strategies	3F *or* 6P	English, maths and at least one of the sciences	C	B
B Science (Microbiology and Biotechnology)	3F *or* 6P			

ø Field Positions shown will be used for primary selection where necessary in the OP band of the cut-off point. Where finer selection is needed, the best of all the fields, other than the one used as the primary selector, will be used as the secondary selector.

a Refer to Introduction, page 4, for a definition of recommended subjects for study.

TABLE OF SUBJECT WEIGHTS FOR FIELDS*

THIS TABLE IS FOR USE BY STUDENTS COMPLETING (QLD) YEAR 12 IN 2005

Name	Field A	Field B	Field C	Field D	Field E
English (2002)	5	5	1	NA	4
English Extension (Literature) (Trial-Pilot)	5	4	1	NA	3
French	2	5	1	NA	4
German	2	5	1	NA	4
Indonesian	2	5	1	NA	4
Italian	2	5	1	NA	4
Japanese	2	5	1	NA	4
Russian	2	5	1	NA	4
Chinese	2	5	1	NA	4
Vietnamese	2	5	1	NA	4
Korean	2	5	1	NA	4
Modern Greek	2	5	1	NA	4
French Extension	3	5	1	NA	4
German Extension	3	5	1	NA	4
Latin	3	5	1	NA	2
Spanish	2	5	1	NA	4
Polish	2	5	1	NA	4
Ancient History	5	5	2	NA	2
Ancient History (Trial-Pilot)	5	5	2	NA	2
Modern History	5	5	2	NA	2
Modern History (Trial-Pilot)	5	5	2	NA	2
Futures (Pre-Pilot)	5	5	2	NA	2
Aboriginal and Torres Strait Islander Studies	4	5	2	NA	2
Geography	5	5	4	2	2
Political Studies (Pre-Pilot)	5	5	2	1	2
Economics	5	5	5	3	2
Study of Society	5	5	3	1	2
Legal Studies	5	5	2	NA	2
Logic	4	5	5	4	1
Mathematics A	1	2	5	5	1
Mathematics B	1	1	5	5	1
Mathematics C	1	1	5	5	1
Chemistry	2	3	5	5	3
Chemistry (Trial-Pilot)	3	3	5	5	3
Physics	1	3	5	5	3
Physics (Trial-Pilot)	3	3	5	5	3
Biological Science	3	3	5	3	4
Earth Science	3	3	5	3	3
Multi-Strand Science	2	3	5	3	3
Marine Studies	3	3	5	3	4
Marine Studies (Trial-Pilot)	3	3	5	3	4
Agricultural Science	3	3	5	3	4
Accounting	3	3	5	4	2
Business Organisation and Management	4	4	5	2	3
Business Communication and Technologies	3	3	5	3	4
Information Technology Systems (Pilot)	3	3	5	4	4
Health Education	5	4	3	1	3
Physical Education	3	3	3	2	5
Home Economics (2001)	4	3	4	2	4
Hospitality Studies	3	3	3	1	4
Engineering Technology	3	3	5	4	4
Graphics	1	3	5	4	4
Technology Studies	3	3	5	3	4
Visual Art	4	3	2	NA	5
Dance	3	3	2	NA	5
Study of Religion	5	4	2	NA	2
Information Processing and Technology	4	3	5	4	3
Drama	4	3	1	NA	5
Film and Television	4	3	2	1	5
Music	3	3	2	NA	5
Music Extension (Performance)	2	2	2	1	5
A Short Course in the Australian Constitution	3	3	1	NA	NA

* This information has been provided to schools by the Queensland Studies Authority (QSA) in June 2003. The Weights for Fields for all subjects may change in future years. The table is correct at time of printing in July 2003. For further information concerning this table please contact the Queensland Studies Authority.

FIELD DESCRIPTIONS

FIELD A Extended written expression involving complex analysis and synthesis of ideas.
FIELD B Short written communication involving reading comprehension and expression in English or a foreign language.
FIELD C Basic numeracy involving simple calculations and graphical and tabular interpretation.
FIELD D Solving complex problems involving mathematical symbols and abstractions.
FIELD E Substantial practical performance involving physical or creative arts or expressive skills.

QTAC

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