Accelerated Foundation (QC01)

Year offered: 2011
Admissions: Yes
CRICOS code: 065046D
Course duration (full-time): 1 semester
International Fees (indicative): 2011: $7,873 (indicative) per semester
International Entry: February, June and October
Total credit points: 60
Course coordinator: Scott Leisemann
Campus: Kelvin Grove

Progression
Conditions of progressing to a guaranteed place in first year of a QUT degree:

i) fulfil the Foundation course requirements,
ii) gain a grade of at least 5 (Credit) in Academic English 2 (QCF212) [Built Environment and Engineering students require a grade of 4 (Pass)]. SC45 Bachelor of Pharmacy and PH38 Bachelor of Applied Science – Medical Radiation Technology (Medical Imaging Technology) students require a grade of 6 (Distinction) AND an IELTS of 7.0 (no subscores less than 6.0), and
iii) achieve the relevant faculty Grade Point Average (GPA) - this is calculated on final semester Level 2 units only.

Students who do not meet requirements for a guaranteed place in either a QUT degree or University Diploma Program, may still be considered for entry by the relevant faculty.

Required Foundation Grade Point Average by Faculty

Built Environment - Required GPA 4.6
Business - Required GPA 4.8
Creative Industries - Required GPA 4.4
Education - Required GPA 4.6
Engineering - Required GPA 4.6
Health - Human Services - Required GPA 4.2
Health (except Nutrition & Dietetics, Optometry, Psychology, Podiatry & Human Services) - Required GPA 4.6
Health - Nutrition & Dietetics - Required GPA 5.8
Health - Optometry - Required GPA 5.8
Health - Podiatry - Required GPA 5.8
Health - Psychology - Required GPA 5.0
Law (except Justice Studies) - Required GPA 4.8
Law - Justice Studies - Required GPA 4.2
Science & Technology (except IT, Pharmacy & Medical Imaging Technology) - Required GPA 4.6
Science & Technology - Information Technology - Required GPA 4.8
Science & Technology - Pharmacy & Medical Imaging Technology - Required GPA 5.8

N.B. Grades in each unit are awarded on a scale from 1 to 7, with 7 being the highest.

QC01 - Foundation Program (Full Time course structure)

<table>
<thead>
<tr>
<th>Semester One</th>
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<tbody>
<tr>
<td>QCF211 Tertiary Preparation Studies 2</td>
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<tr>
<td>QCF212 Academic English 2</td>
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<tr>
<td>QCF256 Mathematics A2 OR</td>
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<tr>
<td>QCF257 Mathematics B2 OR</td>
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<tr>
<td>QCF260 Professional Studies</td>
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<tr>
<td>+ TWO ELECTIVES from the following list</td>
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<tr>
<td>QCF122 Organisations And Management</td>
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<tr>
<td>QCF160 Introduction to Creativity</td>
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<tr>
<td>QCF220 Accounting 2</td>
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<tr>
<td>QCF221 Economics 2</td>
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<td>QCF230 Information Processing</td>
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<tr>
<td>QCF252 Life Science</td>
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<td>QCF254 Physics</td>
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<tr>
<td>QCF255 Chemistry</td>
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<tr>
<td>QCF270 International Perspectives</td>
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Note: In some semesters some elective units may not be offered if there is insufficient demand.

Potential Careers:

Academic, Account Executive, Accountant, Actor, Actuary, Administrator, Adult/Workplace Educator, Advertising Professional, Aerospace Avionics Engineer, Aged Services Worker, Analytical Chemist, Animator, Architect, Art Project Manager, Art Writer, Artist, Arts Administrator, Astrophysicist, Band Leader, Banker, Banking and Finance Professional, Barrister, Biochemist, Bioengineer, Bioinformatician, Biologist, Biomechanical Engineer, Biomedical Engineer, Biotechnologist, Business Analyst, Certified Practicing Accountant, Chemical Technologist, Chemist, Chemist Industrial, Child Care Professional, Child Protection Officer, Choreographer, Civil Engineer, Clinical Laboratory Scientist, Coastal Scientist, Community Corrections Officer, Community Education Officer, Community Health Officer, Community Worker, Composer, Computer Games Developer, Computer Salesperson/Marketer, Computer Systems Engineer,
Conductor, Conservation Biologist, Construction Manager, Contract Administrator, Corporate Secretary, Corrective Services Officer, Counsellor, Creative Writer, Crown Law Officer, Curator, Customs Officer, D.J, Dance Teacher, Dancer, Data Communications Specialist, Database Manager, Digital Composer, Diplomat, Disability Services Worker, Drama Teacher, Early Childhood Teacher, Ecologist, Economist, Educator, Electrical and Computer Engineer, Electrical Engineer, Electronic Commerce Developer, Engineering Technologist, English Teacher, Environmental Engineer, Environmental Health Officer, Environmental Scientist, Estimator, Exchange Student, Exercise Physiologist, Facilities Manager, Family Services Officer, Fashion Designer, Fashion Professional, Film Composer, Film/Television Producer, Financial Advisor/Analyst, Financial Project Manager, Fitness Assessor/Personal Trainer, Forensic Scientist, Funds Manager, Geologist, Geophysicist, Geoscientist, Government Officer, Guidance Officer, Health Information Manager, Health Physicist, Health Services Manager, Higher Education Worker, Home Economist, Human Resource Developer, Human Resource Manager, Human Services Practitioner, Hydrogeologist, Immunologist, In-House Lawyer, Industrial Chemist, Industrial Designer, Information Officer, Information Security Specialist, Instrument Maker, Interior Designer, International Business Specialist, Internet Professional, Investigator, Investment Manager, Journalist, Kindergarten Teacher, Laboratory Technician (Chemistry), Landscape Architect, Librarian, Manager, Manufacturer, Mapping Specialist/Photogrammetrist, Marine Scientist, Marketing Officer/Manager, Mastering Engineer, Mathematician, Mechanical Engineer, Media Industry Specialist, Medical Biotechnologist, Medical Engineer, Medical Equipment Sales, Medical Imaging Technologist, Medical Physicist, Medical Scientist, Microbiologist, Molecular Biologist, Multimedia Designer, Music Agent/Manager, Music Publisher, Music Sampler, Music Teacher, Music Technologist, Musical Director, Musician, Natural Resource Scientist, Network Administrator, Network Manager, Nurse, Nutritionist/Dietitian, Occupational Health and Safety Officer, Optometrist, Organisational Communication Specialist, Pathology Scientist, Physicist, Plant Biotechnologist, Podiatrist, Police Officer (Australian Federal), Police Officer (State), Policy Officer, Population Ecologist, Preschool Teacher, Primary School Teacher, Programmer, Project Developer, Project Manager, Property Economist, Psychologist, Public Health Officer, Public Relations Officer/Consultant, Public Servant, Publishing Professional, Quantitative Analyst, Quantity Surveyor, Radiation Therapist, Radiographer, Recording Engineer, Rehabilitation Engineer, Rehabilitation Professionals, Risk Manager, School Counsellor, Secondary School Teacher, Social Scientist, Sociologist, Software Engineer, Solicitor, Song Writer, Sonographer, Sound and Music Producer, Sound Designer, Sound/Audio Engineer, Sports Scientist, Stage Manager, Statistician, Stockbroker, Surveyor, Systems Analyst, Systems Manager, Systems Programmer, Systems Trainer, TAFE Teacher, Teacher, Technical Officer, TESOL Teacher, Theatre Professionals, Trainer, Translator, Urban and Regional Planner, Urban Designer, Virologist, Visual Artist, Visual Arts Teacher, Web Designer, Youth Worker.

UNIT SYNOPSISES

QCF122 ORGANISATIONS AND MANAGEMENT
This unit is designed to develop understanding of the significant role that organisations play in many facets of our lives, how organisations function and what is involved in working in organisations. The emphasis is on skills that are needed at all levels and in all areas of an organisation. You will develop a range of skills that are required by the individual to function effectively in teams and in an organisation.

Credit points: 12  Contact hours: 4 per week  Campus: Kelvin Grove  Teaching period: 2011 13TP1, 2011 13TP2 and 2011 13TP3

QCF160 INTRODUCTION TO CREATIVITY
In this unit students will be introduced to theories of creativity and will investigate the nature of creative culture and practice. The unit will provide students with opportunities to analyse creative applications, ideas and concepts in a range of industries.

Credit points: 12  Contact hours: 4 hours per week  Campus: Kelvin Grove  Teaching period: 2011 13TP1, 2011 13TP2 and 2011 13TP3

QCF211 TERTIARY PREPARATION STUDIES 2
This unit further develops the skills initiated in Tertiary Preparation Studies 1: Australian government, law; foreign policy and trade; preparation and presentation of both oral and written material.

Credit points: 12  Contact hours: 4 per week  Campus: Kelvin Grove  Teaching period: 2010 13TP1, 2010 13TP2, 2010 13TP3 and 2010 6TP6

QCF212 ACADEMIC ENGLISH 2
This unit contributes to the ongoing development of academic capabilities, effective communication in a variety of contexts and modes and critical, creative and analytical thinking. The unit specifically develops skills in listening, reading, analysing, summarising and paraphrasing, spoken and written material from a range of sources.

Credit points: 12  Contact hours: 5 per week  Campus: Kelvin Grove  Teaching period: 2011 13TP1, 2011 13TP2, 2011 13TP3 and 2011 6TP6
QCF220 ACCOUNTING 2
This unit examines various accounting sub-systems such as: 10-column worksheets; control accounts and subsidiary ledgers; inventory and fixed asset systems; accounting for credit transactions; budgeting; and financial analysis techniques useful for management.
Credit points: 12  Contact hours: 4 per week  Campus: Kelvin Grove  Teaching period: 2011 13TP1, 2011 13TP2 and 2011 13TP3

QCF221 ECONOMICS 2
This unit introduces students to the study of macroeconomics. Topics include the five-sector model, the trade cycle, inflation and unemployment, government policy, and the external sector.
Credit points: 12  Contact hours: 4 per week  Campus: Kelvin Grove  Teaching period: 2011 13TP1, 2011 13TP2 and 2011 13TP3

QCF230 INFORMATION PROCESSING
This unit introduces students to a range of problem-solving techniques and shows how these can be used to solve various problems using an object-oriented programming language; the foundation of relational databases in terms of storing, altering and retrieving information, using SQL for its implementation; a basis for the specification and implementation of information systems using relational algebra.
Credit points: 12  Contact hours: 4 per week  Campus: Kelvin Grove  Teaching period: 2011 13TP1, 2011 13TP2 and 2011 13TP3

QCF252 LIFE SCIENCE
This unit examines the themes of life, macromolecules, metabolism, cell structure, cell processes, biological diversity, plant and animal physiology. The unit emphasises practical skills both in the laboratory and in the field.
Credit points: 12  Contact hours: 4 per week  Campus: Kelvin Grove  Teaching period: 2011 13TP1, 2011 13TP2 and 2011 13TP3

QCF254 PHYSICS
This unit introduces students to mechanics, sound, light, electricity; magnetism; electronics and nuclear physics. Relevance to real world activities is stressed by discussing the various applications of concepts learned.
Credit points: 12  Contact hours: 5  Campus: Kelvin Grove  Teaching period: 2011 13TP1, 2011 13TP2 and 2011 13TP3

QCF255 CHEMISTRY
This unit prepares students for tertiary study in the applied sciences and provides a solid foundation in basic chemistry and experimental techniques; elements, atoms and ions, modern atomic theory; chemical bonding; inorganic compounds; chemical reactions and energy; water and solutions; gases; acids and bases; oxidation-reduction reactions and electrochemistry; reaction rates and chemical equilibrium and introductory organic chemistry.
Credit points: 12  Contact hours: 5  Campus: Kelvin Grove  Teaching period: 2011 13TP1, 2011 13TP2 and 2011 13TP3

QCF256 MATHEMATICS A2
This unit focuses on basic algebra; introduction to trigonometry; normal distribution; hypothesis testing; contingency tables; regression analysis; binomial distribution; inferential statistics; earning money; interest; annuities and t-Distribution.
Credit points: 12  Contact hours: 5 per week  Campus: Kelvin Grove  Teaching period: 2011 13TP1, 2011 13TP2 and 2011 13TP3

QCF257 MATHEMATICS B2
This unit focuses on rate of change; the derivative; stationary points; curve sketching; optimisation; integration; probability distribution; the binomial distribution; normal distribution; hypothesis testing; dispersion, graphical display.
Credit points: 12  Contact hours: 5 per week  Campus: Kelvin Grove  Teaching period: 2011 13TP1, 2011 13TP2 and 2011 13TP3

QCF260 PROFESSIONAL STUDIES
This unit is designed to expand your understanding of creativity and to provide you with experience in using problem solving tools and models in a range of situations. The unit develops skills in working in groups and reflection that are applicable to any field of study or faculty. Undertaking a project provides a practical opportunity for using creative processes and problem solving techniques.
Credit points: 12  Contact hours: 4 hours per week  Campus: Kelvin Grove  Teaching period: 2011 13TP1, 2011 13TP2 and 2011 13TP3

QCF270 INTERNATIONAL PERSPECTIVES
This unit is designed to introduce students to a range of matters including economic, social, cultural, political and environmental, which impact on students as an individual and as a global citizen. It is intended to develop students ability to consider these matters in an analytical and informed way and to develop an action research learning approach to a broad range of international perspectives.
Credit points: 12  Contact hours: 4 hours per week  Campus: Kelvin Grove  Teaching period: 2011 13TP1, 2011 13TP2 and 2011 13TP3