A meeting of the Science, Environment, Engineering and Technology Group Board will be held at 10.00am on Friday 17 August in Room 2.02, Council Chamber, The Chancellery (G34), Gold Coast campus.

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Significant Committee Events
This meeting of the Science, Environment, Engineering & Technology Group Board will be at 10.00am on Friday 17 August 2012 in Room 2.02, Council Chamber, The Chancellery (G34), Gold Coast campus.

Deadlines
Agenda items due with Secretary, Programs Committee for September meeting by 13 September 2012.

Committee TeamPlace Web Address
https://qplace01.domino.griffith.edu.au/QuickPlace/sec-university-committees/PageLibrary4A2572760016EDDC.nsf/h_Toc/92be13faec1b58390525670800167238/?OpenDocument
Use the left navigation bar to select the relevant committee site. Username is your staff number and password is the same as your Active Directory login. Call the Secretary on 57792 for advice or if experiencing difficulties.
## GRIFFITH UNIVERSITY

### SCIENCE, ENVIRONMENT, ENGINEERING & TECHNOLOGY GROUP BOARD

<table>
<thead>
<tr>
<th>Group Board Members</th>
<th>Appointment Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor Clyde Wild</td>
<td>ex officio (Chair)</td>
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<tr>
<td>Dean, Academic</td>
<td></td>
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<tr>
<td>Professor Debra Henly</td>
<td>ex officio</td>
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<tr>
<td>Pro Vice Chancellor</td>
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<td>Associate Professor Michael Blumenstein</td>
<td>ex officio</td>
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<tr>
<td>Dean, Research</td>
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<tr>
<td>Associate Professor Wendy Loughlin</td>
<td>ex officio</td>
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<tr>
<td>Dean, Learning &amp; Teaching</td>
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<tr>
<td>Professor Bofu Yu</td>
<td>ex officio</td>
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<td>Head, Griffith School of Engineering</td>
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<tr>
<td>Associate Professor Peter Bernus</td>
<td>ex officio</td>
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<tr>
<td>Head, School of Information &amp; Communication Technology</td>
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<tr>
<td>Professor Hamish McCallum</td>
<td>ex officio</td>
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<tr>
<td>Head, Griffith School of Environment</td>
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<tr>
<td>Professor Frank Clarke</td>
<td>ex officio</td>
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<tr>
<td>Head, School of Biomolecular &amp; Physical Sciences</td>
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<tr>
<td>Dr Rene Hexel/ Dr Wayne Pullan</td>
<td>appointed</td>
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<tr>
<td>Deputy Head, School of Information &amp; Communication Technology</td>
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<tr>
<td>Associate Professor Anthony Carroll/Professor Nigel Stork</td>
<td>appointed</td>
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<tr>
<td>Deputy Head, Griffith School of Environment</td>
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<tr>
<td>Dr Ann McDonnell/ Associate Professor Robert Sang</td>
<td>appointed</td>
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<tr>
<td>Deputy Head, School of Biomolecular &amp; Physical Sciences</td>
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<tr>
<td>Professor Sherif Mohamed/ Dr Jim Ness/ Associate Professor Steven O'Keefe/ Dr Andrew Seagar/ Professor Geoff Tansley</td>
<td>invited</td>
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<td>Heads of Discipline, Griffith School of Engineering</td>
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<td>Professor Yew-Chaye Loo</td>
<td>invited</td>
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<td>Director, Internationalisation &amp; Professional Liaison</td>
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<td>Professor Stuart Bunn</td>
<td>invited</td>
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<td>Director, Australian Rivers Institute</td>
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<td>Professor Ron Quinn</td>
<td>invited</td>
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<td>Director, Eskitis Institute for Cell and Molecular Therapies</td>
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<td>Professor Abdul Sattar</td>
<td>invited</td>
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<tr>
<td>Director, Institute for Integrated and Intelligent Systems</td>
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<tr>
<td>Professor Mark von Itzstein</td>
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<td>Director, Institute for Glycomics</td>
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<td>Mr James Walden</td>
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<td>Group Resource Manager (SEET)</td>
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<td>Ms Glenda Graham</td>
<td>invited</td>
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<td>Human Resource Manager (SEET)</td>
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<tr>
<td>Ms Tanya Stephenson</td>
<td>invited</td>
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<td>Acting Executive Officer to the PVC (SEET)</td>
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<td>Mr Stephen Boyd</td>
<td>invited</td>
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<td>Mr George Klich</td>
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<tr>
<td>Technical and Logistics Managers, Technical Services (SEET)</td>
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<tr>
<td>Ms Elena Saj</td>
<td>invited</td>
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<tr>
<td>Deputy Resource Manager</td>
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<tr>
<td>Ms Joanne Robertson</td>
<td>invited</td>
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<tr>
<td>HR Advisers (SEET)</td>
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<tr>
<td>Mr Phillip McDonald</td>
<td>invited</td>
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<tr>
<td>INS representative</td>
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<tr>
<td>Professor Allan Cripps</td>
<td>invited</td>
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<tr>
<td>Pro Vice Chancellor (Health)</td>
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</tr>
</tbody>
</table>
Professor Nick Buys
Dean, Learning & Teaching (Health Group)
Representative of the Directors of the Group Research Centres
invited
vacant

Information Copies
School Administrative Officers – Science, Environment, Engineering & Technology Group
School Secretaries – Science, Environment, Engineering & Technology Group

Other Copies
Corporate Archives & Records Management copy (attachments)
Binding copy (attachments)
Spare copy
GRIFFITH UNIVERSITY

SCIENCE, ENVIRONMENT, ENGINEERING & TECHNOLOGY GROUP BOARD

AGENDA 7/2012

A meeting of the Science, Environment, Engineering and Technology Group Board will be held at 10.00am on Friday 17 August in Room 2.02, Council Chamber, The Chancellery (G34), Gold Coast campus.

Kim Hillier
Secretary

AGENDA

1.0 APOLOGIES

Apologies may be recorded by contacting Kim Hillier, x 57792, or by emailing K.Hillier@griffith.edu.au. Apologies have been received from:

Professor Bofu Yu
Mr Phillip McDonald – Ms Rebecca Brown will attend the meeting.

2.0 CONFIRMATION OF MINUTES

The minutes of the 6/2012 (13 July) meeting are attached. To be taken as read and confirmed.

3.0 SEET GROUP BOARD MEMBERSHIP

At the 2/2012 meeting, members noted that, as a result of the new Griffith School of Engineering Executive structure, the following Griffith School of Engineering Heads of Discipline will attend meetings of the SEET Group Board on a rotational basis: Professor Sherif Mohamed; Dr Jim Ness; Associate Professor Steven O’Keefe; Dr Andrew Seagar; Professor Geoff Tansley. Members will wish to welcome Professor Geoff Tansley to this meeting of Group Board.

4.0 MATTERS ARISING FROM THE 6/2012 (13 JULY) MINUTES

<table>
<thead>
<tr>
<th>Action item</th>
<th>Responsible Officer/s</th>
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<tbody>
<tr>
<td>Forward major change submission for introduction of Energy Systems specialisation in GCertEng, MEng, and MEngAdvSt to Planning Convenor for revisions as requested by Group Board. Forward revised submission to Programs Committee.</td>
<td>Secretary. Action taken.</td>
</tr>
<tr>
<td>Return submission for revision to MSc with Hons in Genetic Counselling (5521) to School of BPS for advice on transition arrangements.</td>
<td>Secretary. Action taken.</td>
</tr>
<tr>
<td>Chair, to consult PVC (SEET) on resources issue in regard to proposed new Research Methodology course in MSc with Hons in Genetic Counselling (5521)</td>
<td>Chair, Group Board. Action taken. Proposal rejected by PVC (SEET) on basis of small number of enrolments.</td>
</tr>
</tbody>
</table>
5.0 DEVELOPMENT AND ALUMNI PRESENTATION

Bianka Ganser, Alumni Relations Manager, Development and Alumni, will attend the Board at 10.00am to provide a presentation on Griffith Alumni.

6.0 PVC REPORT

The Group Pro Vice Chancellor (SEET) will report on items of interest to the Board.

7.0 CHAIR’S REPORT

The Dean (Academic) (SEET) will report on items of interest to the Board.

8.0 DEAN (LEARNING & TEACHING) REPORT

The Dean (Learning & Teaching) (SEET) will report on items of interest to the Board.

9.0 DEAN (RESEARCH) REPORT

The Dean (Research) (SEET) will report on items of interest to the Board.

10.0 DIRECTOR (INTERNATIONALISATION & PROFESSIONAL LIAISON) REPORT

The Director (Internationalisation and Public Liaison) (SEET) will report on items of interest to the Board.

11.0 FINANCE REPORT

The Group Resource Manager (SEET) will report on items of interest to the Board.

12.0 HUMAN RESOURCE MANAGEMENT REPORT

The Human Resources Manager (SEET) will report on items of interest to the Board.

13.0 EXTERNAL RELATIONS REPORT

The Marketing Manager (SEET), External Relations will report on items of interest to the Board.

14.0 WORKPLACE HEALTH & SAFETY REPORT

The Dean (Academic) and/or Technical and Logistics Manager (Gold Coast) will report on items of interest to the Board.

The latest incident report is attached for noting. The minutes of the 3 August SEET Health and Safety Committee meeting will be tabled.

15.0 INFORMATION SERVICES REPORT

The Academic Services Librarian will attend the meeting on behalf of the Manager, Academic Services, INS to report on items of interest to the Board.

ORDERING OF THE AGENDA

At this point in the agenda, members may propose that any matter on the agenda, not included in Section I, be so included.
SECTION I: MATTERS FOR DEBATE AND DECISION

16.0 ROBBIE SINCLAIR – SEET GROUP 2012 RISK REGISTER

16.1 Robbie Sinclair, Manager Risk and Business Continuity, will attend the Board at 11.00am to provide feedback on the SEET Group’s 2012 risk register and to participate in a discussion on the risk register.

For consideration

17.0 SPECIAL APPROVER GUIDELINES

17.1 Under its constitution, one of the Group Board’s responsibilities is to advise the Group Pro Vice Chancellor and Deans on the implementation of workplace health and safety policy within the Group.

17.2 At its 3 August 2012 meeting, the SEET Health and Safety Committee ratified the attached Special Approver Guidelines (20120011549) and agreed to forward the Guidelines to the Group Board for consideration.

17.3 The attached document provides guidelines to the Special Approver role to be used for assessing approval of requisitioned goods and services, and to ensure the staff member fulfilling the role has the required knowledge and skills to perform the role. The guidelines cover the scope of the Special Approver role, the process for nominating Special Approvers, the process followed by Special Approvers to evaluate and approve requisitions.

17.4 The Group Board is asked to consider the Special Approver Guidelines (20120011549) and provide its recommendation to the SEET Group Executive.

For consideration

18.0 BPS NEW PROGRAM PROPOSAL (2012/0011546)

1392 BACHELOR OF BIOMEDICAL SCIENCE WITH HONOURS (ACCELERATED)

18.1 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to consider the attached full program proposal (2012/0011546) for the introduction of the Bachelor of Biomedical Science with Honours (Accelerated) (1392) at the Nathan campus in semester 1 2013.

18.2 The Bachelor of Biomedical Science with Honours (Accelerated) represents an accelerated, research-focused version of the School’s existing Biomedical Science coupled with the School’s existing BPS Honours program. The proposed structure is an accelerated 2 year Biomedical Science degree curriculum followed by the existing 1 year Honours program, but so that the Honours year is embedded as part of the overall 3 year degree program.

18.3 This accelerated program will require applicants who are high achieving (OP1-3) and therefore it is proposed to exclude the program from the OP1-6 guarantee scheme.

18.4 The following admission requirements are proposed, including higher than standard English language requirements for International student admission:

- academic achievement for Year 12 applicants or equivalent
applicants who have not previously attempted any tertiary study at a level of Diploma or higher
all prerequisite subjects (or their equivalent) must be met [English (4SA); Maths B (4SA)]

The minimum English language requirements for this program are as follows:

1. Have achieved at least one of the following within the last two years:
   - At least IELTS (Academic) of 7.0 with no sub-score below 6.5
   - At least TOEFL (paper-based) 580
   - At least TOEFL (internet-based) 92 with no score below 22
   - At least ISLPR 4 in each skill (conducted by GELI or ISLPR Language Services only)
   - A minimum grade of C on the Cambridge Certificate of Proficiency in English (CPE)

2. Have satisfactorily completed one of the qualifications specified in Schedule A to the Admission Policy for Undergraduate Programs.

3. Have satisfactorily completed study (within the past five years) in Canada [excluding Quebec], New Zealand, Australia, Republic of Ireland, United States or United Kingdom as follows:
   - Senior secondary study (excluding Foundation program studies) or equivalent where the study duration was at least two years

18.5 The following degree requirements are proposed:

To be eligible for the award of the Bachelor of Biomedical Science with Honours [B BiomedScHons] a student must acquire 320CP as described below:

- complete 100CP of core first year courses in semesters 1 and 2
- complete 30CP of year 1/2 summer semester courses, consisting of 20CP of core courses and 10CP of elective courses
- complete 110CP of core second year courses, consisting of 50CP in semester 1, 10CP in the winter semester, and 50CP in semester 2
- on attaining a GPA of 5.0 over the first two years, complete 80CP of specified honours courses including 60CP research project in year 3. Students who do not meet this GPA requirement or who choose not to progress to honours on completion of the first two years will exit with a Bachelor of Biomedical Science
- no more than 30 credit points for courses in which the grade of Pass Conceded has been awarded can be counted towards the 240 credit point requirement to complete the Bachelor of Biomedical Science requirement of this degree
- the grade of Pass Conceded will not be awarded for any course in the Honours component of the program

Students whose GPA falls below 5.0 at the end of the first year will be transferred to Bachelor of Biomedical Science (1031).

This degree with Honours can be awarded in the following classes:

- First Class Honours (I)
- Second Class - Division A Honours (IIA)
- Second Class - Division B Honours (IIB)
- Third Class Honours (III)
The class of Honours to be awarded to each student in this degree will be determined by the relevant Assessment Board on the basis of the Honours Weighted Average (HWA) and the Standard Cut-Offs for the above classes as outlined in the Calculation of Honours Classification section of the Bachelors Honours Degree Policy.

Recommendation

18.6 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to recommend to Programs Committee that the Bachelor of Biomedical Science with Honours (Accelerated) (1392), as described in the full program proposal (2012/0011546), be approved for introduction in semester 1, 2013.

For consideration

19.0 BPS MAJOR CHANGE SUBMISSION (2012/0011547/)
1369 BACHELOR OF SCIENCE WITH HONOURS (ACCELERATED)

19.1 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to consider the attached major change submission (2012/0011547) proposing the following changes to the Bachelor of Science with Honours (Accelerated) (1369) for implementation from semester 1 2013:

- Introduce a new major in Applied Mathematics & Molecular Biology.
- Increase the English language requirements for International student admission to the program from the standard requirements to an IELTS of 7.0 or equivalent.
- Amend admission requirements from standard UG to high achieving secondary school leavers with a maximum of a 2 year lapse between completing year 12 or equivalent (without undertaking any form of tertiary studies). Amend the credit arrangements to be consistent with the revised admission requirements.

19.2 The submission advises that the link between applied mathematics and the biosciences (mathematical biology) is becoming a very popular combination in the research environment. The proposed new major aligns with the broad research areas pursued by the School’s academic staff in the applied mathematics discipline. The addition of the major is resource neutral as all courses undertaken are already offered in other degree programs in the School.

19.3 The introduction of this new major requires degree requirements to be amended as follows:

To be eligible for the award of Bachelor of Science with Honours [BSc (Hons)], a student must acquire 320 credit points as prescribed below:

- gain 20 credit points of prescribed summer semester courses
- gain at least 2200 credit points of prescribed courses in either Applied Mathematics or Applied Mathematics and Biochemistry & Molecular Biology or Physics
- gain 20 credit points for prescribed Project or Work Integrated Learning Program course
- meet the requirements of at least one major
• gain 80 credit points of specified Honours courses which includes 40 credit points of dissertation
• no more than 30 credit points for courses in which the grade of Pass Conceded has been awarded can be counted towards the 240 credit point requirement to complete the Bachelor of Science requirement of this degree
• the grade of Pass Conceded will not be awarded for any course in the Honours component of the program.

Students will be required to maintain a minimum GPA of 5.0 to remain in the Bachelor of Science with Honours (Accelerated) program. Students whose GPA falls below 5.0 at the end of the first, second or third year will be transferred to the Bachelor of Science program.

Students completing the first 240 credit points of courses who choose not to continue with the Honours year may transfer to the Bachelor of Science and receive that award.

19.4 In Year 3 (Honours year) students in this major complete either the Applied Mathematics Honours structure or the Biochemistry & Molecular Biology Honours structure.

Recommendation

19.5 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to recommend to Programs Committee that the changes to the Bachelor of Science with Honours (Accelerated) (1369), as described in the major change submission (2012/0011547), be approved for implementation from semester 1, 2013.

For consideration

20.0 ENG MAJOR CHANGE SUBMISSION (2012/0011537)
1310 BACHELOR OF ENGINEERING, 1320 BACHELOR OF ENGINEERING (ADVANCED STUDIES), 1078 BACHELOR OF ENGINEERING (CIVIL ENGINEERING)/BACHELOR OF BUSINESS (MANAGEMENT), 1323 BACHELOR OF ENGINEERING (CIVIL ENGINEERING)/BACHELOR OF INFORMATION TECHNOLOGY, 1321 BACHELOR OF ENGINEERING (CIVIL ENGINEERING)/BACHELOR OF SCIENCE

20.1 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to consider the attached submission (2012/0011537) proposing major changes to the Bachelor of Engineering (1310), Bachelor of Engineering (Advanced Studies) (1320), Bachelor of Engineering (Civil Engineering)/Bachelor of Business (Management) (1078), Bachelor of Engineering (Civil Engineering)/Bachelor of Information Technology (1323) and Bachelor of Engineering (Civil Engineering)/Bachelor of Science (1321) for implementation from semester 1 2013.

20.2 The submission proposes to revise all Engineering programs in Civil Engineering (including double degrees) to address the following recommendations of the IAP Review:

• Recommendation 7: All IAP projects have certain degree of exposure to industry and professional practice in both internal and external projects.
• Recommendation 8: Three versions of the IAP course will be offered; (1) 20CP level without embedded thesis, (2) 40CP level without embedded
thesis, and (3) 40CP level with embedded thesis to Bachelor of Engineering students as specified for each award major/discipline. It is suggested that entry to research higher degree studies would require engineering students to successfully undertake either the separate 20CP thesis course or the 40CP IAP course with embedded thesis. The IAP course is offered as 20CP to all other students enrolled in undergraduate programs in SEET.

- Recommendation 9: Assessment in all IAP courses have two categories: (1) the assessment of professional competencies and (2) the assessment of the project-based studies and/or research.

20.3 The following new courses are proposed for introduction:
- 4005ENG Industry Affiliates Program (Extended) (40CP) - core course without Thesis
- 4006ENG Industry Affiliates Program (Professional Practice) (20CP) - core course in Civil Engineering as an alternative to 4005ENG IAP (Extended)
- 4010ENG Thesis (20CP) - elective course to be offered in both Semester I and II to enable both February and July commencing students to undertake this course following any one of the three versions of IAP 4001ENG, 4005ENG, and 4006ENG.

20.4 The following additional changes are also proposed:
- relocate 3106ENG Traffic and Transport to Semester I.
- relocate 4103ENG Advanced Coastal Engineering to Semester I.
- introduce 4104ENG Rock Mechanics as a new elective course in Semester I. The offer of this new course is part of the implementation plan to re-align the BEng with current market needs in the mining areas.
- remove 4001ENG IAP from relevant structures.
- remove 4004ENG Thesis (40CP) from all structures.

Recommendation

20.5 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to recommend to Programs Committee that the changes to the Bachelor of Science with Honours (Accelerated) (1369), as described in the major change submission (2012/0011547), be approved for implementation from semester 1, 2013.

For consideration

21.0 ICT MAJOR CHANGE SUBMISSION (2012/0011548)
1360/1361 BACHELOR OF BUSINESS INFORMATION SYSTEMS

21.1 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to consider the attached major change submission (2012/0011548) proposing that the status of the course 3418ICT Strategic IS Management be revised from an elective course to core course in the Bachelor of Business Information Systems (1360/1361) from semester 1 2013.

21.2 The course 3418ICT Strategic IS Management, which examines how effective IT governance and project management practices can support organisational strategy and business processes through leadership, organisational structures and processes, contains valuable vocational content and provides a capstone experience for students in the Bachelor of Business Information Systems.
21.3 The proposed change results in the following changes to degree requirements:

**For Domestic and those International students not required to complete the English Language Enhancement course**

To be eligible for the award of *Bachelor of Business Information Systems (BBusInfSys)*, a student must acquire 240 credit points as prescribed below:

- gain 490210 credit points for core courses
  - gain 20 credit points for 3418ICT Strategic IS Management or
  - gain 10 credit points for 3623ICT Information and Content Management and 10 credit points for an ICT elective
- gain 10 credit points for listed electives
- gain 20 credit points for one of the following options:
  - 20 credit points for 3001ICT_Y1 Industry Project (Part I) and 3001ICT_Y2 Industry Project (Part II) or
  - 20 credit points for 3002ICT Industry Project or
  - 20 credit points for 3020ICT Industry Affiliates Program
- no more than 30 credit points for courses in which the grade of *Pass Conceded* has been awarded can be counted towards the 240 credit points required to complete the degree. A course for which a *Pass Conceded* has been awarded cannot be recognised as meeting prerequisite requirements
- complete no more than 100 credit points of courses at first year level.

**For International students required to complete the English Language Enhancement course**

To be eligible for the award of *Bachelor of Business Information Systems (BBusInfSys)*, a student must acquire 240 credit points as prescribed below:

- gain 290220 credit points for core courses
  - gain 20 credit points for 3418ICT Strategic IS Management or
  - gain 10 credit points for 3623ICT Information and Content Management and 10 credit points for an ICT elective
- gain 20 credit points for one of the following options:
  - 20 credit points for 3001ICT_Y1 Industry Project (Part I) and 3001ICT_Y2 Industry Project (Part II) or
  - 20 credit points for 3002ICT Industry Project or
  - 20 credit points for 3020ICT Industry Affiliates Program
- no more than 30 credit points for courses in which the grade of *Pass Conceded* has been awarded can be counted towards the 240 credit points required to complete the degree. A course for which a *Pass Conceded* has been awarded cannot be recognised as meeting prerequisite requirements
- complete no more than 100 credit points of courses at first year level.

**Recommendation**

21.4 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to recommend to Programs Committee that the changes to the Bachelor of Business Information Systems (1360/1361), as described in the major change submission (2012/0011548), be approved for implementation from semester 1, 2013.
## SECTION II: MATTERS REQUIRING RATIFICATION OR EXECUTIVE ACTION

### 22.0 BPS MAJOR CHANGE SUBMISSION (2012/0011541)

#### 4140 GRADUATE DIPLOMA OF FLIGHT MANAGEMENT

**22.1** On the recommendation of the Chair of SEET Group Board and the Dean (Learning and Teaching), the Group Board is asked to ratify the attached major change submission (2012/0011541) proposing to change the admission requirements for the Graduate Diploma of Flight Management (4140) to require completion of a Pilot Aptitude Assessment from Summer Semester Jan/Feb 2013. The results of the Pilot Aptitude Assessment will have no bearing on admission into the Graduate Diploma of Flight Management.

**Recommendation**

**22.2** On the recommendation of the Chair of SEET Group Board and the Dean (Learning and Teaching), the Group Board is asked to ratify the changes to the Graduate Diploma of Flight Management (4140), as described in the major change submission (2012/0011541), for implementation from Summer Semester Jan/Feb 2013.

**For ratification**

### 23.0 BPS/MSC MAJOR CHANGE SUBMISSION (2012/0007598)

#### 1280/1306 BACHELOR OF MEDICAL SCIENCE

**23.1** On the recommendation of the Dean (Learning and Teaching) (SEET) and the Dean (Learning and Teaching) (Health), the Group Board is asked to ratify the attached major change submission (2012/0007598) proposing to amend the English language requirements for the purposes of admission into the program.

**23.2** The changes remove reference to English admission pathways that include post-secondary, higher education sector accredited associate degrees, and degree level study, as the Bachelor of Medical Science is available to applicants who have completed Year 12 or equivalent up to three years prior to application and who have not previously attempted any tertiary study at a level of Diploma or higher.

**Recommendation**

**23.3** On the recommendation of the Dean (Learning and Teaching) (SEET) and the Dean (Learning and Teaching) (Health), the Group Board is asked to ratify the changes to the Bachelor of Medical Science (1280/1306), as described in the major change submission (2012/0007598), for implementation from semester 1 2012.

**For ratification**

### 24.0 ENV MINOR CHANGE SUBMISSION (2012/0011514)

#### 1004 BACHELOR OF SCIENCE (ENVIRONMENT)

#### 1009 BACHELOR OF ENVIRONMENTAL MANAGEMENT

#### 1087 BACHELOR OF URBAN AND ENVIRONMENTAL PLANNING/BACHELOR OF SCIENCE (ENVIRONMENT)
24.1 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the attached minor change submission (2012/0011514) proposing the following changes to the Bachelor of Science (Environment) (1004), Bachelor of Environmental Management (1009) and Bachelor of Urban and Environmental Planning/Bachelor of Science (Environment) (1087) for implementation from semester 1 2013:

- Replace 2008BPS General Microbiology (offered in semester 2) with 2202ENG Environmental Microbiology and Ecology (offered in semester 1)
- Replace 1002BPS Structural Biochemistry (offered in semester 2) with 1191ENV Environmental Chemistry (offered in semester 2)
- Relocate 2888ENV Environmental Protection to Year 3

24.2 The School of ENV advises that 2202ENG Environmental Microbiology and Ecology and 1191ENV Environmental Chemistry are more applied and more relevant to Environmental Studies students. The changes have been approved by the Heads of School of ENG and BPS.

Recommendation

24.3 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the changes to the Bachelor of Science (Environment) (1004), Bachelor of Environmental Management (1009) and Bachelor of Urban and Environmental Planning/Bachelor of Science (Environment) (1087), as described in the minor change submission (2012/0011514) for implementation from semester 1 2013.

For ratification

25.0 ENV MINOR CHANGE SUBMISSION (2012/0011539)
1018 BACHELOR OF SCIENCE
1315 BACHELOR OF SCIENCE (ECOLOGY AND CONSERVATION BIOLOGY)
1330 BACHELOR OF SCIENCE (ADVANCED WITH HONOURS)
1328 BACHELOR OF MARINE SCIENCE
1357 BACHELOR OF URBAN AND ENVIRONMENTAL PLANNING/BACHELOR OF SCIENCE
1321 BACHELOR OF ENGINEERING/BACHELOR OF SCIENCE

25.1 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the attached minor change submission (2012/0011539) proposing the following change to the Bachelor of Science (1018), Bachelor of Science (Ecology and Conservation Biology) (1315), Bachelor of Science (Advanced with Honours) (1330), Bachelor of Marine Science (1328), Bachelor of Urban and Environmental Planning (1357) and Bachelor of Engineering/Bachelor of Science (1321) for implementation from semester 1 2013:

- Relocate 2503ENV Environmental Monitoring Techniques from semester 2 to semester 1 to balance Year 2 course offerings between semester 1 and 2.

Recommendation

25.2 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the change to the Bachelor of Science (1018), Bachelor of Science (Ecology and Conservation Biology) (1315), Bachelor of Science (Advanced with Honours) (1330), Bachelor of Marine Science (1328), Bachelor of Urban and Environmental Planning/Bachelor of Science
(1357) and Bachelor of Engineering/Bachelor of Science (1321), as described in the minor change submission (2012/0011539) for implementation from semester 1 2013.

For ratification

26.0 ENV MINOR CHANGE SUBMISSION (2012/0011540)
1279 BACHELOR OF URBAN AND ENVIRONMENTAL PLANNING
1357 BACHELOR OF URBAN AND ENVIRONMENTAL PLANNING/BACHELOR OF SCIENCE
1315 BACHELOR OF SCIENCE (ECOLOGY AND CONSERVATION BIOLOGY)
1330 BACHELOR OF SCIENCE (ADVANCED WITH HONOURS)

26.1 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the attached minor change submission (2012/0011539) proposing the following change to the Bachelor of Urban and Environmental Planning (1279), Bachelor of Urban and Environmental Planning/Bachelor of Science (1357), Bachelor of Science (Ecology and Conservation Biology) (1315) and Bachelor of Science (Advanced with Honours) (1330), for implementation from semester 1 2013:

- Relocate 4227ENV Resolving Environmental Issues from semester 2 to semester 1. The proposed change will balance the year 4 course offerings between semester 1 and 2 in the Gold Coast Planning programs.

Recommendation

26.2 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the change to the Bachelor of Urban and Environmental Planning (1279), Bachelor of Urban and Environmental Planning/Bachelor of Science (1357), Bachelor of Science (Ecology and Conservation Biology) (1315) and Bachelor of Science (Advanced with Honours) (1330), as described in the minor change submission (2012/0011540) for implementation from semester 1 2013.

For ratification

27.0 PROGRAM CONVENOR AND FIRST YEAR ADVISOR CHANGES

27.1 On the recommendation of the Dean (Learning and Teaching) the Group Board is asked to ratify the following Program Convenor changes:

1086 B Urban & Environmental Planning (Nathan) and 1087 B Urban & Environmental Planning/Bachelor of Science (Environment) (Nathan) - Dr Eddo Coiacetto.

Honours Convenor 1086 B Urban & Environmental Planning (Nathan) and 1087 B Urban & Environmental Planning/Bachelor of Science (Environment) (Nathan) - Dr Eddo Coiacetto.

2002 Griffith School of Environment Honours Program (Nathan) – Dr Guillermo Diaz-Pulido replaces Professor Roger Kitching as Honours Program Convenor.

1310 Bachelor of Engineering (Gold Coast) - Dr Erwin Oh replaces Associate Professor Hong Guan as Civil Engineering Discipline Convenor.
27.2 On the recommendation of the Dean (Learning and Teaching) the Group Board is asked to ratify the following First Year Advisor change:

1086 B Urban & Environmental Planning (Nathan) and
1087 B Urban & Environmental Planning/Bachelor of Science (Environment) (Nathan) - Natalia Osborne.

For ratification

SECTION III: MATTERS FOR NOTING AND WHERE APPROPRIATE, ACCEPTANCE OF RECOMMENDATIONS

28.0 HEADS OF SCHOOL REPORTS

Reports received from Heads of School are attached for noting.

For noting

29.0 SCIENCE, ENVIRONMENT, ENGINEERING AND TECHNOLOGY 2013 PROGRAM PROFILE PLAN

29.1 The Board is asked to note the following critical dates for approval of full program proposals for programs to be introduced in semester 1 2013:

SEET Group Board – 1 June for 15 June 2012 meeting
Programs Committee – 5 July for 19 July 2012 meeting

and for approval of major change submissions for implementation in semester 1 2013:

SEET Faculty Board – 6 July for 20 July 2012 meeting
Programs Committee – 26 July for 9 August 2012 meeting

29.2 The above timelines are determined by the following critical milestones:
- deadlines for the preparation of student recruitment publications;
- the necessity for having full program information, student contribution amounts and tuition fees published on the Programs and Courses website in accordance with DEEWR publishing requirements;
- (also with the future implementation of a new enrolment system, students will enrol in their courses via the new programs and courses web-site).

It is therefore important that program change information is configured in the student system and published on this site in sufficient time to inform student choices prior to the enrolment period.

29.3 The following initiative, having received DVC (Academic) approval to proceed with planning for introduction in 2013, is pending consideration by a future meeting of Group Board:

Major change
3206/5468/5529 Graduate Certificate in Engineering/Master of Engineering/Master of Engineering Advanced Studies (Nathan) - new award specialisation in Sport Technology.

29.4 The Dean (Learning & Teaching) has approved the memberships of program development teams to develop the program proposal documentation for committee approval of the above initiatives.
29.5 The Board is asked to note that the following planned program initiative has been deferred to 2014:

1356 B Environmental Design, new award major in Landscape Studies, and New postgraduate program, Master of Landscape Architecture.

For noting

30.0 2012 5 YEAR PROGRAM REVIEWS

30.1 The University’s *Program Planning, Development, Approval and Review Processes* advise (in Section 10.2) that all undergraduate and postgraduate programs are (normally) reviewed at least once in every five year period for the purpose of continuous improvement, benchmarking, curriculum renewal and re-accreditation.

30.2 The Board is asked to note that the following programs have been identified on the Group’s program profile plan to undergo a 5 year program review in 2012:

<table>
<thead>
<tr>
<th>Code</th>
<th>Program Name</th>
<th>Review Type</th>
<th>Accreditation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1306</td>
<td>Bachelor of Medical Science</td>
<td>5 Year Program Review</td>
<td>Combined review with 1280 B Medical Science (Health Group)</td>
</tr>
<tr>
<td>1031</td>
<td>Bachelor of Biomedical Science</td>
<td>5 Year Program Review</td>
<td>Combined review with 1094 B Biomedical Science (Health Group)</td>
</tr>
<tr>
<td>1348/</td>
<td>Bachelor of Biomolecular Science (Advanced)</td>
<td>5 Year Program Review</td>
<td></td>
</tr>
<tr>
<td>1349/</td>
<td>(Nathan/Gold Coast)/ B Biomolecular Science (Exit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1350</td>
<td>Point) (Gold Coast)</td>
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</tr>
<tr>
<td>2078</td>
<td>Biomolecular and Physical Sciences Honours Program</td>
<td>5 Year Program Review</td>
<td></td>
</tr>
<tr>
<td>1240</td>
<td>Bachelor of Photonics &amp; Nanoscience</td>
<td>5 Year Program Review</td>
<td>Combined review with other undergraduate IT programs</td>
</tr>
<tr>
<td>1042/</td>
<td>Bachelor of Information Technology</td>
<td>Australian Computer Society</td>
<td>Combined review with other undergraduate IT programs</td>
</tr>
<tr>
<td>1109</td>
<td></td>
<td>Accreditation</td>
<td></td>
</tr>
<tr>
<td>2011/</td>
<td>Bachelor of Information Technology with Honours</td>
<td>Australian Computer Society</td>
<td>Combined review with other undergraduate IT programs</td>
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<td>2020</td>
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<td>Accreditation</td>
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<tr>
<td>1250</td>
<td>Bachelor of Information Technology (Accelerated and</td>
<td>Australian Computer Society</td>
<td>Combined review with other undergraduate IT programs</td>
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<td></td>
<td>@Work)</td>
<td>Accreditation</td>
<td></td>
</tr>
<tr>
<td>1331/</td>
<td>Bachelor of Information Technology (Advanced with</td>
<td>Australian Computer Society</td>
<td>Combined review with other undergraduate IT programs</td>
</tr>
<tr>
<td>1341</td>
<td>Honours)/ Bachelor of Information Technology</td>
<td>Accreditation</td>
<td></td>
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<tr>
<td></td>
<td>(Advanced)</td>
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<tr>
<td>1045</td>
<td>Bachelor of Science/Bachelor of Information Technology</td>
<td>Australian Computer Society</td>
<td>Combined review with other undergraduate IT programs</td>
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<tr>
<td></td>
<td></td>
<td>Accreditation</td>
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</tr>
<tr>
<td>1046/</td>
<td>Bachelor of Multimedia</td>
<td>Australian Computer Society</td>
<td>Combined review with other undergraduate IT programs</td>
</tr>
<tr>
<td>1110</td>
<td></td>
<td>Accreditation</td>
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</tr>
<tr>
<td>2013/</td>
<td>Bachelor of Multimedia with Honours</td>
<td>Australian Computer Society</td>
<td>Combined review with other undergraduate IT programs</td>
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<td>2021</td>
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<tr>
<td>1236/</td>
<td>Bachelor of Information Technology/ Bachelor of</td>
<td>Australian Computer Society</td>
<td>Combined review with other undergraduate IT programs</td>
</tr>
<tr>
<td>1339</td>
<td>Multimedia</td>
<td>Accreditation</td>
<td></td>
</tr>
</tbody>
</table>
30.3 For professionally accredited programs, the external accreditation review and re-accreditation process may take the place of the internal review and re-accreditation process, with the findings of the external accrediting professional body and an implementation plan, including advice on any identified program changes, to be forwarded to Group Board and Programs Committee.

30.4 Other programs undergo the following internal 5 year review process:

1) Terms of reference, proposed timetable, methodology and review team membership for the review are forwarded to Group Board and then to Programs Committee.

2) The program convenor prepares a briefing paper for the information of the review team, in consultation with the Head of School and Dean (Learning and Teaching).

3) The review team's report is submitted to Group Board within 2 months of commencement of deliberations.

4) The Dean (Learning and Teaching) and the program convenor respond to the review team's recommendations in the form of an implementation plan, including any required program changes.

5) The implementation plan and any program changes are considered in turn by School Committee, Group Board, Programs Committee.

6) If the review team recommends withdrawal of the program, the recommendation is forwarded to the DVC (Academic) via the Group PVC for consideration.

For noting

31.0 2012 SUCCESSFUL GRIFFITH GROUP LEARNING AND TEACHING CITATIONS

31.1 The Deputy Vice Chancellor (Academic) has announced the results of the 2012 round for Griffith’s Group Learning and Teaching Citations. Congratulations are extended to Dr Jo-Anne Ferreira, Professor Darryl Hawker and Dr Sven Venema who are recipients of a 2012 SEET Learning and Teaching Citation.

For noting

32.0 ARC FUTURE FELLOWSHIPS FOR PROJECTS COMMENCING IN 2012

32.1 The Vice Chancellor has reported the outcomes of the ARC Future Fellowships for projects commencing in 2012. Congratulations are extended to SEET’s successful applicants:

Dr Matthew Burke was granted $568,524 for his project “Exploring the effects and maximising the benefits of the Gold Coast Rapid Transit project”

Dr Thomas Haselhorst was granted $614,796 for his project “Structural insights of virus-glycan interactions”

Dr Francesca Iacopi was granted $713,328 for her project “Hetero-epitaxial silicon carbide: enabling wide-band-gap semiconductors on silicon for greener technologies”
Associate Professor Andrew Leach was granted $670,336 for his project “Understanding the Lessons of Australia’s Gold Coast through the Late-20th Century Debate on Criticality and Instrumentality in Architecture”

In addition, Dr Huagui Yang, who will be moving to Griffith University from China, was granted $649,528 for this project on “Solar-Driven Thermochemical Dissociation of Carbon Dioxide and Water to Produce Carbon-Neutral Fuels”

For noting

33.0 OTHER BUSINESS

34.0 2012 MEETING SCHEDULE

The remaining 2012 meetings of the SEET Group Board will be held at 10.00am on the following dates:

<table>
<thead>
<tr>
<th>Meeting Date</th>
<th>Campus</th>
<th>Venue</th>
</tr>
</thead>
<tbody>
<tr>
<td>17 August</td>
<td>Gold Coast</td>
<td>G34_2.02</td>
</tr>
<tr>
<td>14 September</td>
<td>Nathan</td>
<td>N54_2.02</td>
</tr>
<tr>
<td>12 October</td>
<td>Gold Coast</td>
<td>G34_2.02</td>
</tr>
<tr>
<td>16 November</td>
<td>Nathan</td>
<td>N54_2.02</td>
</tr>
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</table>