

## **ITEE (BE, BInfTech) Academic Advising / Information Session**

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& Electrical Engineering

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## **Outline**

- UQ Terminology Reminder
- BE/BInfTech Structure
  - Majors, Double Majors, Minors
- Dual degrees
- Changes 2007/2008
- Policy Issues
- Where to access information / advice
- Approval levels: Faculty or School?

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# UQ Terminology

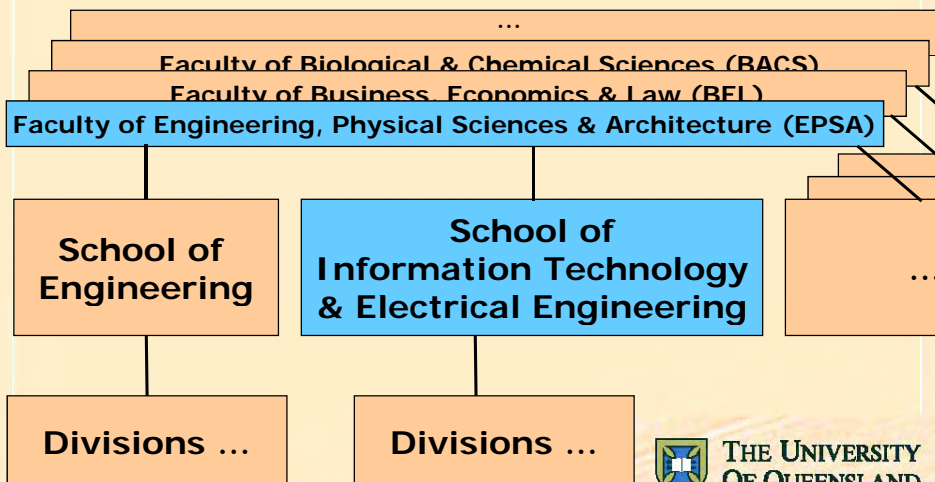
- **Program**
  - The degree, e.g. BE, BInfTech or dual degree, e.g. BE/BSc
- **Course**
  - What was once called a subject, e.g. CSSE1001
    - Letters indicates discipline (e.g. CSSE = Computer Systems and Software Engineering)
    - First digit indicates year level of course
- **Plan**
  - Set of courses needed for a particular specialisation
  - For BE, this is a **major**, **minor** or **dual major** or **extended major**
  - For BInfTech, this is a **major** (one or two) or **double major**
- **Unit (#)**
  - a measure of the 'value' of a course
  - standard load is 8 units per semester

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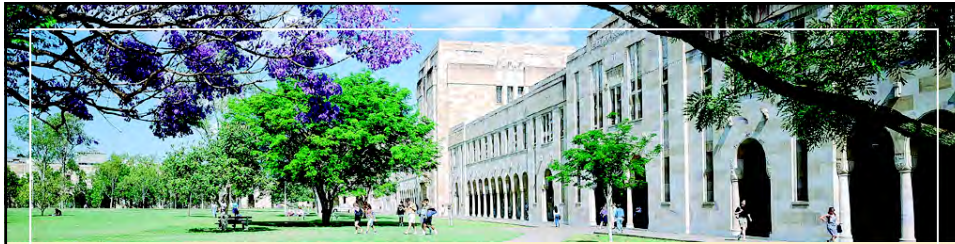
# UQ Structure

- Seven **faculties**, each with **schools**



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# Program Structures

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## Bachelor of Engineering

- Requires 64 units (#64)
  - Usually takes 4 years full-time (#8 per semester)
- You **must** choose a plan, one of:
  - **Major** (#50)
  - **Dual Major** or **Extended Major** (#60)
  - **Major + Minor** (#50 + #10)
- Remaining units (#4 to #14) are **free electives**
  - Approval must be sought for courses not on BE List
  - Maximum #8 at level one
  - Maximum #4 at level one not on BE List (new from S2/2007)
- Some plans only available as single majors
- Some plans only available as dual or extended majors
- Many plans available as either single or extended major

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# BE Plans

## School of Engineering (SoE)

- Chemical
- **Chemical & Biological**
- **Chemical & Metallurgical**
- Civil
- **Environmental**
- **Materials**
- Mechanical
- **Mechanical & Aerospace**
- Mining

## Joint SoE/ITEE

- Mechatronic

## School of Information Technology and Electrical Engineering (ITEE)

- Computer Systems
- Electrical
- **Electrical & Biomedical**
- **Electrical & Aerospace**
- Software
- **Software Systems & Aerospace**

**Dual major only**

**Single major only**

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# BE Plans

## School of Engineering (SoE)

- **Chemical**
- Chemical & Biological
- Chemical & Metallurgical
- **Civil**
- Environmental
- Materials
- **Mechanical**
- Mechanical & Aerospace
- **Mining**

## Joint SoE/ITEE

- **Mechatronic**

## School of Information Technology and Electrical Engineering (ITEE)

- **Computer Systems**
- **Electrical**
- Electrical & Biomedical
- Electrical & Aerospace
- **Software**
- Software Systems & Aerospace

**Single or extended major**

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## BIInfTech Structure

#48, comprising

- #32 of "IT" courses, including
  - all compulsory (core) courses
  - at least #12 of level 3 courses
- #16 of electives (IT or other)
- No more than #16 of level 1 courses

**New from 2007**

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## Plan Selection

- You can change your Plan from Undeclared to a specialised Plan through mySI-net (Program Tab -> Plan)
  - Note: Not available for dual degree students
  - Dual degree students should contact Faculty Office
- Students transferring from one Plan to another must notify Faculty Office to have Plan changed on record
- BE Students
  - Make sure you nominate a Plan by end of Year 1 (prior to commencement of studies in Year 2)
- BIInfTech Students
  - Can graduate without specifying a plan (major)

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## BE Minors

Majors	+	Minors
Computer Systems:		Biomedical; Telecommunications
Electrical:		Biomedical (no new enrolments*); Telecommunications
Mechatronic:		Biomedical

\* replaced by dual major in Electrical & Biomedical Engineering

- Students must notify EPSA Faculty Office to have Minor noted on academic transcript
- Minor does NOT appear on degree certificate – only the Major, e.g. *Bachelor of Engineering (Electrical)*

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## BI nfTech Core

2006 (#20)

- CSSE1001
- COMP1800
- INFS1200
- MATH1061
- COMP2502
- CSSE2002
- CSSE3004/5

1 of 2

- COMP2303
- CSSE2003
- INFS2200

2007 (effectively #24)

- CSSE1001 Intro. to Software Eng.
- *MMDS1400* Intro. to Web Design
- INFS1200 Intro. to Info. Sys.
- MATH1061 Discrete Mathematics
- *COMP3506* Algorithms & Data Structures
- CSSE2002 Programming in the Large
- CSSE3004/5 Advanced IT Project (#4)
- + **CSSE1000** **Intro. to Comp. Systems**
- + **COMP2506** **Human Comp. Interaction**  
(was COMP3501)

2 of 3 (*choice defined in some majors*)

- COMP2303 Network & OS Principles
- CSSE2003 Software Eng. Studio
- INFS2200 Relational Database Sys.

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## BI n fTech Core

2007 (effectively #24)

Note that  
#6 of the core  
is at level 3

In addition to  
the core (#24)  
need  
#6 level 3 IT  
#2 other IT  
#16 free  
(can be IT)

- CSSE1001 Intro. to Software Eng.
- MMDS1400 Intro. to Web Design
- INFS1200 Intro. to Info. Sys.
- MATH1061 Discrete Mathematics
- **COMP3506** Algorithms & Data Structures
- CSSE2002 Programming in the Large
- **CSSE3004/5** Advanced IT Project (#4)
- CSSE1000 Intro. to Comp. Systems
- COMP2506 Human Comp. Interaction (was COMP3501)
- 2 of 3
- COMP2303 Network & OS Principles
- CSSE2003 Software Eng. Studio
- INFS2200 Relational Database Sys.

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## BI n fTech Transition Arrangements (pre 2007 students)

Students must complete:

1. At least one of COMP1800, MMDS1400
2. One of COMP2502, COMP3506 (Algorithms & Data Structures)
3. At least one of CSSE1000, COMP2303
4. CSSE1000, if year 1 compulsory courses have not yet been completed by end 2006 and COMP2303 has not been completed
5. COMP2506 (or COMP3501), if year 2 compulsory courses have not yet been completed by end 2006 (exceptions possible, e.g., no space in dual degree)
6. Two of COMP2303, CSSE2003, INFS2200
  - i.e. COMP2303 not enforced as compulsory for existing students, but see (3)

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## BI n fTech Majors and Double Majors

- You can complete the BI n fTech (#48) degree with
  - no major (#32 IT + #16 free)
  - one single major (#32 + #16 free)
  - two single majors ( $\geq$  #38 +  $\leq$  #10 free)
  - double major (#42 + #6 free)
- Free electives come from IT list or other approved courses
- See Program list for the details
- See an academic advisor if intending to undertake two single majors
- Double majors and > 1 single major not available with dual degrees

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## BI n fTech Majors and Double Majors


- Bioinformatics (**double**)
- Computer Systems and Networks (single)
- Economic Modelling (**double**)
- Enterprise Information Systems (**double**)
- Games Modelling (**double**)
- Geographic Information Systems (**double**)
- Health Informatics (**double**)
- Human Computer Interaction (single)
- Multimedia (**double**)
- Scientific Computing (**double**)
- Software Design (single)
- Software Information Systems (single)

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# Dual Degrees



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## Dual Degrees Program Structures

<b>Bachelor of Engineering</b>  #52 - #62 (depending on dual degree)	+	Other Degree  #18 - #36 (depending on degree)
<b>Bachelor of Information Technology</b> #28 - #32 (depending on dual degree)	+	Other Degree  #32 - #60 (depending on degree)



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## BE Dual Degrees

	Total	=	BE	+	Other
<b>BE/BA</b>	#88		#56		#32
<b>BE/BBiotech</b>	#88		#52		#36
<b>BE/BBusMan</b>	#88		#52		#36
<b>BE/BCom</b>	#88		#52		#36
<b>BE/BEcon</b>	#88		#52		#36
<b>BE/BInfTech</b>	#88		#56		#32
<b>BE/BSc</b>	#80		#62		#18

See respective BE dual degree rules.

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## BInfTech Dual Degrees

	Total	=	BInfTech	+	Other
<b>BInfTech/BA</b>	#64		#32		#32
<b>BInfTech/BBusMan</b>	#64		#28		#36
<b>BInfTech/BCom</b>	#64		#28		#36
<b>BInfTech/BEcon</b>	#68		#32		#36
<b>BInfTech/BE</b>	#88		#32		#56
<b>BInfTech/BJ</b>	#64		#32		#32
<b>BInfTech/BSc</b>	#64		#32		#32
<b>BInfTech/LLB</b>	#92		#32		#60

Discontinued from 2008

See respective BInfTech dual degree rules.

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## BE/BInfTech

- BE/BInfTech: Not available with
  - BE in software engineering
  - or any BE double majors
- Students enrolled in BInfTech/BE dual degree need to advise Faculty Office (email or in writing) of chosen BE Plan
- mySI-net function for selecting Plan not available for dual degree programs.

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## Dual Degrees - Restrictions

- In general, double majors (BE or BInfTech), minors (BE), two single majors (BInfTech) not available with dual degrees
- Exception:
  - BE/BSc is possible with BE double majors (since dual has #62 from BE part)
- For duals with Commerce, Business Management etc
  - Do not take MGTS1201 (since Inc: INFS1200)
  - See BEL Faculty for advice on #2 course in place of MGTS1201

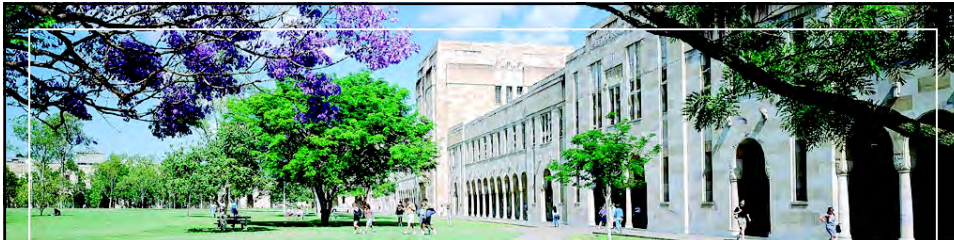
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## Eligibility for Dual Degrees

- Students should meet OP cutoff for both individual programs and have all prerequisites
- Requests for program change may be processed through mySI-net (approval by Faculty) or QTAC, depending on circumstances
  - mySI-net requests: (eg from BE to BE/BSc)  
(Program Info -> Program Change Request)
    - 2008 due dates: 1st Sem 22 February; 2nd Sem 18 July
  - If QTAC application required, Faculty will advise student
- Refer to
  - myAdvisor for instruction and procedures
  - EPSA Faculty for advice

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## Changes 2007/2008

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## Course Cancellations from 2008

Courses offered for the last time in 2007:

- **COMP2702** – Artificial Minds
- **COMP3503** – Interaction Design
- **COMP4809** – Research Methods
- **CSSE3001** – Computer Architecture
- **CSSE3003** – Software Specification
- **ELEC4002** – System Modelling

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## New Courses in 2008

- **COMP1900** (Information Access & Internet Skills)
- **COMP4403** (Compilers and Interpreters)
  - Was previously COMP3401 (2006, not offered 2007)
- **CSSE4603** (Models of Software Systems)
- **ELEC4320** (Modern Asset Management & Condition Monitoring in Power Systems)
  - Has previously run as ELEC4000 (Special Topics)
  
- **METR3100** (Sensors & Actuators)
  - Returns in 2008 (was not offered in 2007)

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## Multimedia Design Courses

- Bachelor of Multimedia Design
  - Has moved from Ipswich to St Lucia
- Following courses now offered at St Lucia
  - **MMDS1311** (3D & Interactive Media)
  - **MMDS2200** (Graphic Design)
  - **MMDS2201** (Digital Video Production)
  - **MMDS3300** (Games Design)
  - **IENV1000** (Studio I – Introduction to Design)
  - **IENV3000** (Studio II – Physical Computing)
  - **IENV3500** (Studio III – Information Environments)

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## Semester of Offering Changes from 2008

- **COMP3301** (Operating Systems Architecture)
  - moving from sem 1 to sem 2
- **COMS3100** (Intro to Communications)
  - moving from sem 2 to sem 1
- **COMS4100** (Digital Communications)
  - moving from sem 1 to sem 2
- **CSSE4001** (Computer System Design Projects) and **CSSE4003** (Embedded System Design)
  - swap semesters (to S2 and S1 respectively)
- **INFS2200** (Relational Database Systems)
  - offered semester 2 only
- **ENGG3800** (Team Project II)
  - offered semester 2 only
- **MMDS1400** (Intro to Web Design)
  - moving from sem 2 to sem 1

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## BE changes in 2008

- **Computer Systems**
  - INFS2200,3200 move to Coverage (B3 list)
- **Electrical**
  - Intro/advanced/coverage elective requirement becomes #8/#6/#2 (from #6/#6/#4)
  - COMP2303,COMS3200 move to Coverage (B3 list)
- **Electrical & Aerospace**
  - COMP2304 becomes compulsory (in place of ELEC4002)
- **Electrical & Biomedical**
  - CSSE4001 added to Advanced Elective list
- **Software, Software Systems & Aerospace**
  - COMP2506 (Human Computer Interaction) becomes compulsory (in place of CSSE3003)
  - COMP2304 (SW Engineering), INFS3204 move to coverage
  - COMS3000/COMS4507 (Security) move to intro/advanced
  - Intro/Advanced requirement becomes #4/#6 (instead of #6/#4)

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## BI n fTech Changes in 2008

- **CSSE3006** (Professional Placement Project) is an alternative to CSSE3004/3005
  - Modelled on Engineering PEPS scheme

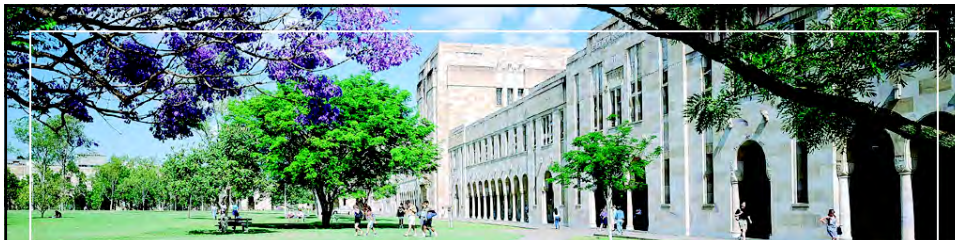
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## PEPS – Professional Engineering Placement Semester

- Available in place of BE thesis (#4)
  - ENGG4801 or ENGG4802
    - code chosen depends on starting semester
- PEPS involves
  - ENGG4010 (#2) – Professional Development
  - ENGG4011 (#6) – Professional Engineering Project
- Major becomes #54 instead of #50
- Double major becomes #62 instead of #60
- Major + minor becomes #64 instead of #60
- Not available with named double majors
- Applications usually close ~August. (Availability depends on places.)
- See <http://www.uq.edu.au/peps/>

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## Policy Issues

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## Honours

- **BE Honours** is determined based on performance in the BE program
  - GPA cutoffs (from December 2008)
    - First Class Honours: 6.2
    - Second Class, Division A: 5.8
    - Second Class, Division B: 5.0
- **BInfTech Honours**
  - Extra year of study (#16)
  - Entry requirement – GPA 4.5 for #12 of level 3 IT courses including CSSE3004/5
  - Honours level based on performance in honours year



## Credit for Previous Study

- Credit application forms available on myAdvisor
  - Lodge forms at Faculty Office
- If previous study was undertaken at UQ, students complete the form only
- If previous study is elsewhere, students must also provide official academic transcript and official copies of course descriptions
- Credit applications require 3-4 weeks for processing
- Credit details are then posted on the student's Studies Report on mySI-net and students will be emailed

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## Policy - Examinations

- **Supplementary exams/assessment** – available only for one course in final semester of study where a higher grade would complete program requirements, **or**, for **first** grade of 3 in an undergraduate program (since 1 January 2006).
  - Apply within **5 days of publication of results**
- **Special exams** – medical reasons or exceptional circumstances
  - Apply within **5 days of missed exam**, and,
  - Medical Certificate must be obtained within 1 working day of exam if sit exam and become ill during exam, 2 days otherwise
- **Grades of 3** – up to  $\frac{1}{8}$  of total units in u/grad program (ie #8 for BE, #6 for BInfTech)
  - Applies only to grades of 3 obtained prior to 2006

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## Important Dates - Sem 1, 2008

- Fri 22 Feb Last day to request change of program via mySI-net, due date for fees
- Mon 25 Feb Semester 1 classes commence
- Fri 7 Mar Last day for adding/substituting courses. (After this date and up to 31 March, students must complete a Change of Enrolment form, pay \$50 fee, and submit to EPSA Faculty, with endorsement from course coordinator)
- Mon 31 Mar Last day for dropping courses without financial liability or academic penalty (Sem 1 Census Date)
- Wed 30 Apr Last date for cancellation of Sem 1 & Year long courses (comm. 1st Sem) without academic penalty (financial liability remains)

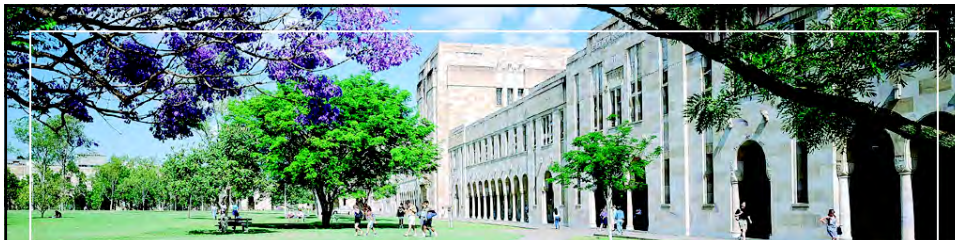
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## Important Dates - Sem 2, 2008

- Fri 18 Jul Last day to request change of program via mySI-net, due date for fees
- Mon 21 Jul Semester 2 classes commence
- Fri 1 Aug Last day for adding/substituting courses. (After this date and up to 31 August, students must complete a Change of Enrolment form, pay \$50 fee, and submit to EPSA Faculty, with endorsement from course coordinator)
- Sun 31 Aug Last day for dropping courses without financial liability or academic penalty (Sem 2 Census Date)
- Tues 30 Sep Last date for cancellation of Sem 2 & Year long courses (comm. 2nd Sem) without academic penalty (financial liability remains)

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## Where to Access Information / Advice

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## Program & Course Information

- UQ Programs & Courses website:  
[www.uq.edu.au/study](http://www.uq.edu.au/study)
  - Program Rules
  - Program Lists
  - General Award Rules
  - General University Rules (Assessment Rules, Enrolment etc)
- Website provides more accurate and up-to-date lists than Program Information Handbook or CD

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## Other Websites

- mySI-net : [www.sinet.uq.edu.au](http://www.sinet.uq.edu.au)  
course catalogue, class timetables, examination timetables, students enrolment and studies report.
- my.UQ : [my.uq.edu.au](http://my.uq.edu.au)  
UQ home page, student portal
- myAdvisor : [www.uq.edu.au/myadvisor](http://www.uq.edu.au/myadvisor)  
essential information for students, forms, online help for students, FAQs, information on dual degrees, fees, assessment practices, students rights and responsibilities  
Forms at: [www.uq.edu.au/myadvisor/forms](http://www.uq.edu.au/myadvisor/forms)
- EPSA [www.epsa.uq.edu.au](http://www.epsa.uq.edu.au)
- ITEE [study.itee.uq.edu.au](http://study.itee.uq.edu.au)

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## Faculty or School?

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## Student Enrolment & Advice - School Approval

School Issues (ITEE)

- course selection and advising
- prerequisite waivers
  - academic advisor endorsement
- difficulties in course enrolment on mySI-net
- timetabling and class sign-on

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# Faculty Approval

EPSA approves... (often based on school recommendations)

- Enrolment in courses outside of BE List
- Overloading
  - Enrolment > #8 requires GPA  $\geq$  4.5 in prior semester of full-time enrolment
  - Enrolment > #10 requires approval
- Change of program / plan
- Transfer credit
- Supplementary & Special Exams – End of semester
- Exemption from program requirements

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# Faculty Approval (cont.)

EPSA approves...

- Extensions for late submission of assessment (later than grade upload date)
- Remarking of final exams
  - Feedback must be sought first!
- Adding enrolments after week 2 and before census dates
- Withdrawal from courses without academic penalty (after 30 April and 30 Sept)
- Appeals / Exclusion
- Industrial practice, first-aid requirements (BE Students)
- Graduation checks

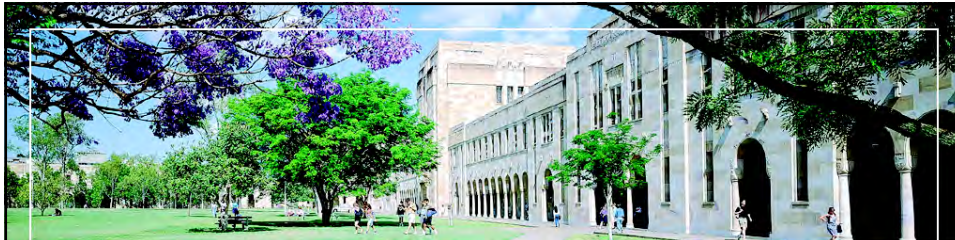
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## Contacts

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## Any Questions?

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