Proposal to Revise a Program

1 Main Features of Proposal

1.1 Program name

1.1.1 New name

Bachelor of Engineering Master of Information Technology in *DISCIPLINE*, where *DISCIPLINE* is one of:

Computer Engineering *or* Software Engineering *or* Bioinformatics

1.1.2 Old name

Bachelor of Engineering Master of Engineering Science in *DISCIPLINE*, where *DISCIPLINE* is one of:

Computer Engineering *or* Software Engineering *or* Bioinformatics

1.2 Proposed Abbreviation of the Program

1.2.1 New abbreviation BE MIT in DISCIPLINE

1.2.1 Old abbreviation BE MEngSc in DISCIPLINE

1.3 Program Codes

Entry is currently via the program code of the underlying BE degree, e.g. 3645 BE Computer Engineering. Students in this fast-track combined program are identified by a plan code, e.g. COMPL13645 in the case of BE Computer Engineering MEngSc. In stages 5 and 6 of the program, students have been enrolled in 8685 MEngSc. It is proposed that these arrangements will continue, except that students will enrol, in stages 5 and 6, in 8684 MIT.

1.4 Staff Contact

A/Prof. W.H. Wilson ext/email: Ph: 56876 billw@cse.unsw.edu.au

1.5 Program Authority

School: School of Computer Science & Eng. *Faculty:* ENG *AOU code:* COMPSC

1.6 Proposed Revision Summary Checklist

The sole purpose of this proposal is to change the name of the program. The need for the name change arises from the fact that the MEngSc in Computer Science and Engineering was revised and renamed last year. The new name is Master of Information Technology (MIT).

1.7 Authorisation

Has this proposal received endorsement from the:

University Librarian
Registrar's Nominee
Dean

1.8 Consultation Process

The relevant consultation processes were undertaken in relation to the introduction of the Faculty-wide BE MEngSc program in 2001, and the revision and name change of the MEngSc → MIT in 2004, and are documented in those proposals.

1.9 Planning Office

The original BE MEngSc proposal fitted in with the Faculty's enrolment profile, and the Planning Office was informed of the proposal. The proposed name change does not change the enrolment profile or the concerns of the Planning Office.

1.10 Units of Credit

The original proposal conformed to the University's policy on units of credit, and the name change does not affect this.

1.11 General Education program

No change. The undergraduate part of this proposal conforms to the University’s policy on general education.

2 PROGRAM DETAILS

2.1 Current Enrolment

Students transfer into this program only in stage 4. After stage 4, they have migrated to MEngSc, and are not distinguished from other MEngSc students except by their history of having been in the BE MEngSc plan previously.

Here are the numbers for stage 4:

	2003	2004	2005
BE Computer Engineering MEngSc	0	3	0
BE Software Engineering MEngSc	1	0	0
BE Bioinformatics MEngSc	0	0	0

2.2 Details of Existing Program

CURRENT ENTRY IN THE UNDERGRADUATE HANDBOOK

Taken from page 169 of the 2005 Undergraduate Handbook.

Bachelor of Engineering Master of Engineering Science BE MEngSc

Students may undertake a 4.5 years (10 semesters) full-time fast-track program leading to the awards of a Bachelor of Engineering and a Master of Engineering Science in an approved discipline (see below) of the Faculty of Engineering.

The purpose of the program is to offer an accelerated completion of a postgraduate coursework program in engineering to high achieving students. The program will be fully accredited and will provide students with in-depth specialist training to facilitate employment in discipline specific consulting practices and other specialist areas of the profession. The fast-track program structure will thus encourage completion of a first postgraduate coursework program, and lay the groundwork for lifelong learning.

(4 1/2 years duration) in:

Bioinformatics	3647
Chemical Engineering	3040
Civil Engineering	3620
Computer Engineering	3645
Environmental Engineering	3625
Electrical Engineering	3640
Industrial Chemistry	3100
Manufacturing Engineering & Management	3710
Mechanical Engineering	3710
Mechatronic Engineering	3710
Mining Engineering	3140
Photovoltaics and Solar Energy	3642
Surveying and Spatial Information Systems	3741
Telecommunications	3643
Software Engineering	3648

PROPOSED NEW ENTRIES IN THE UNDERGRADUATE HANDBOOK

Two entries will now be necessary - one for the generic BE MEngSc in other engineering disciplines, and one for the generic BE MIT program.

Bachelor of Engineering Master of Engineering Science BE MEngSc

Students may undertake a 4.5 years (10 semesters) full-time fast-track program leading to the awards of a Bachelor of Engineering and a Master of Engineering Science in an approved discipline (see below) of the Faculty of Engineering.

The purpose of the program is to offer an accelerated completion of a postgraduate coursework program in engineering to high achieving students. The program will be fully accredited and will provide students with in-depth specialist training to facilitate employment in discipline specific consulting practices and other specialist areas of the profession. The fast-track program structure will thus encourage completion of a first postgraduate coursework program, and lay the groundwork for lifelong learning.

(4 1/2 years duration) in:

Chemical Engineering	3040
Civil Engineering	3620

Environmental Engineering	3625
Electrical Engineering	3640
Industrial Chemistry	3100
Manufacturing Engineering & Management	3710
Mechanical Engineering	3710
Mechatronic Engineering	3710
Mining Engineering	3140
Photovoltaics and Solar Energy	3642
Surveying and Spatial Information Systems	3741
Telecommunications	3643

Bachelor of Engineering Master of Information Technology BE MIT

Students may undertake a 4.5 years (10 semesters) full-time fast-track program leading to the awards of a Bachelor of Engineering and a Master of Information Technology in an approved discipline (see below) of the Faculty of Engineering.

The purpose of the program is to offer accelerated completion of a postgraduate coursework program in information technology to high achieving students. The program will be fully accredited and will provide students with in-depth specialist training to facilitate employment in discipline-specific consulting practices and other specialist areas of the profession. The fast-track program structure will thus encourage completion of a first postgraduate coursework program, and lay the groundwork for lifelong learning.

Approved disciplines for BE MIT

Bioinformatics	3647
Computer Engineering	3645
Software Engineering	3648

2.3 Proposed Revision in Detail

The name of the program will be changed from BE MEngSc in *DISCIPLINE* to BE MIT in *DISCIPLINE*, for the *DISCIPLINEs* of Bioinformatics, Computer Engineering, and Software Engineering.

Need for the revision: MEngSc in Computer Science and Engineering was renamed MIT in the 2004 revision.
New program structure and how it differs from the existing program: no difference in structure.
Consultation process: see the 2004 postgraduate coursework program revision document.
Viability and strength of the revised program: identical to that of existing program.

2.4 Units of Credit

No change from original program.

2.5 Date of Last Program Revision

MEngSc → MIT 2005
BE MEngSc generic program introduced by Faculty of Engineering in 2001.

2.6 Next Program Review Date

First Review	2008
Review Cycle	Every 3 years thereafter

2.7 Student Impact Statement/Transitional Arrangements

Students currently enrolled in the MEngSc part of the program will continue in that program. There are no students currently in stage 4 of the program. In future years, students would go into the BE MIT.

2.8 General Education program

No change. Students will meet the GE requirement in their BE as usual.

2.9 Alternative Delivery

Not applicable.

2.10 Information Technology Requirements for students

Identical to the requirements for the BE in Software Engineering, Computer Engineering, and Bioinformatics, and the MIT, as separate programs.

3 CROSS REFERRAL

3.1 Academic Units with Potential Interest

The name change only affects students already enrolled in BE degrees in the School of Computer Science and Engineering.

3.2 Material Overlap and Service Teaching

(i) Does the proposal overlap with material already being taught by other academic units?	NO
(ii) Will students in other programs take courses in this program?	YES. All courses are shared with the constituent BE and MIT programs.
(iii) Will service teaching be provided or has it been in the past and will it no longer be provided, by other departments/schools?	No change.

3.3 Academic Cross-Referral

Not applicable.

3.4 Administrative Units or External Organisations with Interest

The original BE MEngSc proposal was to have been examined during the accreditation visit of the Institution of Engineers, Australia, in September, 2001.

3.5 Administrative Cross-Referral

I have examined the Program Proposal and have no administrative concerns with the matter proceeding.

Further Comments:

Registrar's Nominee / /2005

4 COURSE DETAILS

No new courses are part of this proposal.

5 RESOURCE STATEMENT

5.1 Enrolment Planning

Estimated or proposed enrolments for the next three years.
2006: 4
2007: 8
2008: 10

5.2 Details of Fees

No change.

5.3 Resource Impact

Teaching and staff commitments are unchanged from those required for existing BE and MIT program, and unchanged compared with the BE MEngSc.

5.3.1 Teaching format Unchanged from existing programs.

5.3.2 Staffing requirements Unchanged from existing programs.

5.4.3 Support requirements Unchanged from existing programs.

5.3.4 Accommodation No additional facilities required.

5.3.5 Materials Requirements No additional facilities required.

5.3.6 Equipment Requirements No additional facilities required.

5.3.7 Computing Requirements No additional facilities required.

5.3.8 Library Requirements No additional facilities required.

6 AUTHORISATION

6.1 Principal Librarian's Endorsement

I have examined the Library needs related to the above proposal and certify that existing Library holdings, staffing, services and accommodation are adequate to cover the demands that are inherent in it.

Appropriate arrangements for the use of digitised material to support this program have been made by the Program Authority with the Principal Librarian.

Further Comments:
Principal Librarian
/ /2005

6.2 Dean's Approval

I have examined the resource implications of the above proposal in regard to staff, space, materials, equipment, capital funds, and computing, and certify that:

6.2.1 Resources

The proposal involves no additional resources. The combined degree proposal combines existing programs.

6.2.2 Fees

A fee will not be charged for the undergraduate program (other than HECS).

For the postgraduate program, fees will be charged according to the rules for the University and the Faculty of Engineering.

6.2.3 the proposal conforms to the University's commitment to Equal Opportunity in Education.

Dean

/ /2005