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:

<table>
<thead>
<tr>
<th>Program</th>
<th>2003</th>
<th>2004</th>
<th>2005</th>
</tr>
</thead>
<tbody>
<tr>
<td>BE Computer Engineering MEngSc</td>
<td>0</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>BE Software Engineering MEngSc</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>BE Bioinformatics MEngSc</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

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
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

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

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.

5.3.3 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