

**SIMON FRASER UNIVERSITY**

**OFFICE OF THE VICE-PRESIDENT, ACADEMIC**

**MEMORANDUM**

**To:** Senate

**From:** J. M. Munro, Chair  
Senate Committee on Academic Planning

**Subject:** School of Engineering Science -  
Graduate Calendar Changes

**Date:** February 13, 1995

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Action undertaken by the Senate Graduate Studies Committee and the Senate Committee on Academic Planning gives rise to the following motion:

**Motion:**

"That Senate approve and recommend approval to the Board of Governors, as set forth in S.95 - 15 , the change in the Engineering Science Graduate Program from Thesis Work in Industry to Graduate Research Internship and

Deletion of	ENSC 836 - 3	Error-Correcting Codes
	ENSC 881 - 3	Engineering Modelling of Dynamic Processes
	ENSC 855 -3	Passive Microwave Circuits."

*J. M. Munro*

**For Information:**

Acting under delegated authority of Senate, the Senate Graduate Studies Committee approved the following:

Change of title and description for: ENSC 802-3, 805-3, 810-3, 815-3, 832-3, 833-3, 834-3, 861-3.

## 1. DELETIONS

### Rationale

These three courses have never been taught, and there are no plans to teach them in the near future. In one case, the faculty member who originally proposed the course has left the department.

ENSC 836-3 Error-Correcting Codes  
ENSC 881-3 Engineering Modelling of Dynamic Processes  
ENSC 855-3 Passive Microwave Circuits

should be removed from the calendar.

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## 2. THE FOLLOWING CHANGES SHOULD BE MADE TO THE CALENDAR ENTRY ON PAGE 271

### Rationale

Working in industry can broaden and motivate the student's graduate education. By incorporating a formal description of this option into our calendar entry, we are better able to attract good graduate students. The presence of this formal description in the calendar also makes it easier for visa students wishing to pursue this option to obtain a work permit.

### **OLD ENTRY**

#### **Thesis Work in Industry**

In addition to the degree requirements for the M.A.Sc. Program the following conditions will apply if a student wishes to undertake thesis work in industry.

### PROPOSAL

The proposal must be approved by the Supervisory Committee and by the Graduate Committee. The proposal must include the following:

- justification for undertaking the work in industry
- agreement regarding intellectual property and publications
- funding arrangement

### ON-CAMPUS PRESENCE

During the thesis work in industry the student must spend at least one day per week (or equivalent as approved by the Graduate Committee) on campus to meet with his/her supervisor and attend regular seminars. This is in addition to time spent on campus for course work.

## ORAL PRESENTATIONS

A minimum of two oral presentations for the Supervisory Committee (not including the thesis defence) on the progress of the student's work will be given during the duration of the thesis.

## NEW ENTRY

### Graduate Research Internship

With the approval of their Supervisory Committee, students accepted into the M.A.Sc. or Ph.D. programs have the option of doing research internship in industry. The responsibility for finding a suitable internship rests with the student, though the Senior Supervisor will provide whatever guidance may be possible.

In addition to satisfying the degree requirements for their program, students wishing to take this option must satisfy the following conditions:

## PROPOSAL

The proposal must be approved by the Supervisory Committee and by the Graduate Committee. The proposal must include the following:

- justification for undertaking the work in industry
- agreement regarding intellectual property and publications
- funding arrangement

### On-campus presence

During the internship the student must spend at least 1 day/week (or equivalent as determined by the Graduate Committee) on campus to meet with his/her supervisor and attend regular seminars. This is in addition to time spent on campus for course work.

### Oral Presentations

A minimum of two oral presentations for the Supervisory Committee (not including the thesis defence) on the progress of the student's work will be given during the internship.

### Duration

The duration of the internship will not exceed two semesters, in the case of a M.A.Sc. student, or four semesters, in the case of a Ph.D. student.

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### Explanation of changes

The research internship in industry was expanded from thesis only to the possibility of spending some research time in industry at any time during the graduate studies. At the same time, the total time spent in industry was limited to two semesters in industry for M.A.Sc. and four semesters for Ph.D.