

SIMON FRASER UNIVERSITY

OFFICE OF THE VICE-PRESIDENT, ACADEMIC

MEMORANDUM

To: Senate

From: D. Gagan, Chair *David Gagan*
Senate Committee on Academic Planning

Subject: Faculty of Applied Sciences -
Curriculum revisions
(Reference: SCUS 97-46)
(Reference: SCAP 97-59)

Date: November 10, 1997

Action undertaken by the Senate Committee on Undergraduate Studies 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.98 - 4 , the proposed Minor Program in Computer and Electronics Design.

3.1 Minor Program in Computer and Electronics Design

Rationale

In order to accommodate those students in Computing Science and Physics (or elsewhere in the University) who have a desire to study computers and electronics from an Engineering perspective, we would like to formally create a "Minor Program". We feel that this program fills a real need in the University. The following describes the calendar entry:

3.1.1 Addition to the "Programs Offered" Section

Minor Program in Computer and Electronic Design

Available to all non-Engineering majors at SFU who have high academic standing. This program does not lead to an accredited Engineering degree.

3.1.2 Addition to the "Program Description" Section

This material (with the above title) should appear after the description of our Biomedical Stream on p.92 of the current calendar.

Admission Requirements

Entrance to the minor program is open to all non-Engineering majors enrolled at SFU; however, enrollment is limited and students can be accepted into the minor program only through a formal application to the School. Students will normally apply for admission to the minor after they have completed CMPT 250-3 or ENSC 250-3.

Program Requirements

This program is comprised of a selection of courses from our Computer and Electronics Engineering options. Students wishing to graduate with a minor in Computer and Electronics Design must complete

the following courses:

- CMPT/ENSC 150-3 *Introduction to Computer Design*
- ENSC 151-2 *Digital and Computer Design Laboratory*
- CMPT/ENSC 250-3 *Introduction to Computer Architecture*
- ENSC 220-3 *Electric Circuits 1*
- ENSC 225-4 *Microelectronics 1*
- ENSC 350-3 *Digital Systems Design*
- ENSC 351-4 *Real Time and Embedded Systems*

plus at least seven additional upper division ENSC credits selected from: ENSC 325-4, ENSC 327-4, ENSC 380-3, ENSC 424-4, ENSC 425-4, ENSC 427-4, ENSC 429-4, ENSC 450-4, ENSC 489-4 and ENSC 495-4.

In order to graduate with the minor, the average grade in the Engineering courses taken above must be a B or better. Students whose Engineering GPA drops below 3.0 may be required to withdraw from the minor program.