

**SENATE CURRICULUM COMMITTEE
MINOR CURRICULAR CHANGE FORM**

PROPOSAL TITLE: Changing Prerequisites for Computer Organization
 UNDERGRADUATE GRADUATE 3 CREDIT HOURS

SPONSOR(S): Jianning Xu
 DEPARTMENT: Computer Science
 TELEPHONE: 5384

- CHECK:
- CHANGES IN APPROVED MINORS, SPECIALIZATIONS, CONCENTRATIONS
 - CATALOG DESCRIPTIONS, TITLES, AND/OR PREREQUISITES
 - SMALL CHANGES IN COURSE CONTENT OF EXISTING COURSES WHICH DO NOT SUBSTANTIALLY VARY THE CURRICULUM
 - CHANGES IN HEGIS NUMBER

STEP #1 (DEPARTMENT)

Date Approved: 10 24 97
 Date NOT Approved: _____

[Signature]
 Dept. Curriculum Chairperson signature/date

[Signature]
 Dept. Chairperson signature/date

STEP #2 (COLLEGE)

Recommend To Approve/date: 11/17/97
 Recommend NOT To Approve/date: _____
 Comments: _____

[Signature]
 College Curriculum Chairperson Signature /date

STEP #3 (ACADEMIC DEAN)

Recommended
 NOT Recommended

[Signature]
 Dean of College Signature/date

STEP #4 (CURRICULUM COMMITTEE)

SCC# 9748 97 CH 2/20/98
10/2/97

APPROVED:
 NOT APPROVED: _____

[Signature] 2/25/98
 Curriculum Committee Chairperson Signature/date

STEP #5 EXECUTIVE VP/PROVOST

Approved
 NOT Approved _____

[Signature] 2/26/98
 Signature /Date

REGISTRAR'S SIGNATURE/DATE: [Signature] 3/2/98

TM 3/5/98

Rowan University
Department of Computer Science

Minor Curricular Change
Changing Prerequisites for Computer Organization

1. Details

- a. Change requested:

Add 0701.205 Computer Laboratory Techniques as a co-requisite for 0706.205 Computer Organization and reflect that change in the catalog description (Note: the textual description of the course content for 0701.205 Computer Laboratory Techniques *does not* change).

- b. Sponsor: Jianning Xu, Assistant Professor, Computer Science

2. Rationale

- a. Statement of "need" for such a change:

Computer Laboratory Techniques provides students with practical knowledge of the hardware and software systems available in the Computer Science Department which is needed in Computer Organization and other upper-level computer science courses.

- b. Statement of curricular effect:

Indirectly, Computer Laboratory Techniques will become a prerequisite for most upper-level computer science courses.

3. Results of Consultation

The consultation is internal to the Computer Science Department.

Catalog Description

0706.205 3 s.h.

Computer Organization

(Prerequisite 0704.103 and 1703.150; Corequisite: 0701.205)

This course provides an introduction to computer organization. Students are exposed to the register level architecture of a modern computer and its assembly language. The topics include machine level data representation, Von Neumann architecture and instruction execution cycle, memory hierarchy, I/O and interrupts, instruction sets and types, addressing modes, instruction formats and translation. This course is not open to students who have taken 0704.204 Assembly Language Programming.