

ROWAN COLLEGE  
CURRICULUM COMMITTEE

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M I N O R C H A N G E

PROPOSAL TITLE: Adding Calculus I as a Required Major Course for Computer Science Majors

UNDERGRADUATE       GRADUATE      4 CREDIT HOURS

SPONSOR(S): Jianning Xu

DEPARTMENT & TELEPHONE# Computer Science 256-4805

CHECK ONE:

- CHANGES IN APPROVED MINORS, SPECIALIZATIONS, CONCENTRATIONS
- CATALOGUE DESCRIPTIONS AND/OR PREREQUISITE CHANGES
- SMALL CHANGES IN COURSE CONTENT OF EXISTING COURSES WHICH DO NOT SUBSTANTIALLY VARY THE CURRICULUM
- CHANGES IN HEGIS NUMBER

<p>STEP #1 (DEPARTMENT)</p> <p>APPROVED / DATE: <u>2-27-96</u></p> <p>NOT APPROVED / DATE: _____</p> <p><u>[Signature]</u> (DEPT. CURRICULUM CHR. / DATE) <u>2-27-96</u></p> <p><u>Don C. Stone 2/27/96</u> DEPT. CHR./DATE</p>	<p>STEP #2 (SCHOOL)</p> <p>DATE REVIEWED <u>7/13/96</u></p> <p><input checked="" type="checkbox"/> RECOMMEND TO APPROVE</p> <p><input type="checkbox"/> RECOMMEND NOT TO APPROVE</p> <p>COMMENTS:</p> <p><u>[Signature]</u> SCHOOL CURRICULUM CHR.</p>	<p>STEP #3 (ACADEMIC DEAN)</p> <p><input checked="" type="checkbox"/> RECOMMEND      <input type="checkbox"/> NOT RECOMMENDED</p> <p>DATE REVIEWED: <u>4-3-96</u></p> <p><u>[Signature]</u> DEAN OF SCHOOL SIGNATURE</p>
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<p>STEP #4 (CURRICULUM COMMITTEE)</p> <p>SCC# <u>95-96-16-2</u></p> <p>DATE RECEIVED: <u>3-5-96</u></p> <p><u>[Signature]</u> CURRICULUM COMMITTEE CHR. SIGNATURE</p>	<p>STEP #5 EXE. VP/PROVOST</p> <p><input checked="" type="checkbox"/> APPROVED</p> <p><input type="checkbox"/> NOT APPROVED</p> <p><u>[Signature]</u> SIGNATURE/DATE</p>
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A:MINORCHG.FRM

Reg. BTKelsey  
24 Apr. 97

**Rowan College of New Jersey  
Department of Computer Science**

**Minor Curricular Change  
Adding Calculus I as a Required Major Course for Computer Science Majors**

1. Details

a. Change requested:

Adding Calculus I to the list of required major courses.

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

2. Rationale

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

The Computer Science Department has recently decided to seek accreditation from the Computer Science Accreditation Board (CSAB) for our program. As a part of the efforts, certain curricular changes are needed. The accreditation criteria require that a two-semester sequence in a lab. science course plus two one-semester science courses be included in the program. This proposal is related to another curricular proposal that proposes to move Calculus I out of the Science Bank of the General Education requirements. The proposed changes will allow our program to meet the accreditation criteria and remain in compliance with the current Rowan B.S. degree model.

b. Statement of curricular effect:

Calculus I has been and will remain to be a required course for our majors. The total requirements for the Computer Science Major will become 124 semester hours.

3. Results of Consultation

Letters of consultation have been sent to the following departments: Management, Mathematics, Biological Sciences, Chemistry and Physics. A positive response has been received from Dr. Hamilton, chair of the Management Department.