

ROWAN COLLEGE
CURRICULUM COMMITTEE

MINOR CHANGE

PROPOSAL TITLE: CHANGE RESTRICTED ELECTIVES FOR COMPUTER SCIENCE MINORS

UNDERGRADUATE GRADUATE CREDIT HOURS

SPONSOR(S): JIAHONG 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

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| <p>STEP #1 (DEPARTMENT)</p> <p><input checked="" type="checkbox"/> APPROVED / DATE: <u>2/21/96</u></p> <p><input type="checkbox"/> NOT APPROVED / DATE: _____</p> <p><u>[Signature]</u> (DEPT: CURRICULUM CHR./ DATE) 2/21/96</p> <p><u>D. C. STA.</u> 2/26/96 DEPT. CHR./DATE</p> | <p>STEP #2 (SCHOOL)</p> <p>DATE REVIEWED <u>4/3/96</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 type="checkbox"/> RECOMMEND <input type="checkbox"/> NOT RECOMMENDED</p> <p>DATE REVIEWED: <u>2/3/96</u></p> <p><u>[Signature]</u> DEAN OF SCHOOL SIGNATURE</p> |
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| <p>STEP #4 (CURRICULUM COMMITTEE)</p> <p>SCC# <u>95-96-161</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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MINORCHG. FRM

By: BZ Kelsay
24 Apr. 96

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

**Minor Curricular Change
Changing Restricted Electives for Computer Science Majors**

1. Details

a. Change requested: Change Restricted Elective from:

12 s.h., include at least two advanced computer science courses

1. Advanced Computer Science

0707.360 Computer Graphics [1701.210 & 0704.315]
0706.410 Data Communications and Networking [0706.310 & 1702.360]
0707.422 Theory of Computing [0704.222 & 1701.131]
0707.450 Artificial Intelligence [0704.315 & 1701.210]
0704.401 Compiler Design [0707.210 & 0704.315]
0706.412 Advanced Computer Architecture [0706.310]
0701.395 Topics in Computer Science [permission of instructor]

2. Others

0799.300 Computer Field Experience [permission of instructor]
0704.325 Programming in Ada [0704.222]
0704.333 Structured Design and Programming Using COBOL [0701.102]
0704.334 Advanced Structured Design and Programming Using COBOL
[0704.333]
0502.210 Accounting I
0702.322 Principles of System Design [0502.210 & 0704.103]
0702.338 Design of Data Base Systems [0704.333 & 0702.322]
0507.430 Principles of Management Science [0701.100, 1702.260, 1703.125]
1701.230 Calculus III [1701.131] 4 s.h.
1701.332 Numerical Analysis [0701.102, 1701.210, & 1701.131]
1701.340 Modern Algebra [1701.210]
1701.320 Differential Equations [1701.230 & 1701.210]
1702.361 Prob. & Stat. II [1702.360] or 1702.261 Stat. II [1702.260]
1703.400 Application of Mathematics [1701.230 & 1701.210]

to:

12 s.h., include at least three courses from group 1 or group 2 and at least two courses from group 1:

1. Advanced Computer Science

0707.360 Computer Graphics [1701.210 & 0704.315]
0706.410 Data Communications and Networking [0706.310 & 1702.360]
0707.422 Theory of Computing [0704.222 & 1701.131]
0707.450 Artificial Intelligence [0704.315 & 1701.210]
0704.401 Compiler Design [0707.210 & 0704.315]
0706.412 Advanced Computer Architecture [0706.310]
0701.395 Topics in Computer Science [permission of instructor]

2. Other Computer Science Courses

0799.300 Computer Field Experience [permission of instructor]
0704.325 Programming in Ada [0704.222]
0704.333 Structured Design and Programming Using COBOL [0701.102]
0704.334 Advanced Structured Design and Programming Using COBOL
[0704.333]
0702.338 Design of Data Base Systems [0704.333 & 0702.322]

3. Others

0502.210 Accounting I
0702.322 Principles of System Design [0502.210 & 0704.103]
0507.430 Principles of Management Science [0701.100, 1702.260, 1703.125]
1701.230 Calculus III [1701.131] 4 s.h.
1701.332 Numerical Analysis [0701.102, 1701.210, & 1701.131]
1701.340 Modern Algebra [1701.210]
1701.320 Differential Equations [1701.230 & 1701.210]
1702.361 Prob. & Stat. II [1702.360] or 1702.261 Stat. II [1702.260]
1703.400 Application of Mathematics [1701.230 & 1701.210]

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 at least 40 s.h. in the program are devoted to computer science topics. In our current program, we only have 38 s.h. on computer topics. With the proposed change, this number will be increased to 41.

b. Statement of curricular effect:

Students will be required to select one more course on computer science topics in restricted electives.

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.



Rowan College of New Jersey

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Department of Management Information Systems
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DATE: January 30, 1996

TO: Jianning Xu
Computer Science Department

FROM: diane hamilton *diane hamilton*
Chair, Management & MIS

RE: curricular proposals

I don't see that your proposals will impact either our MIS students or our course enrollments. Therefore, I see no reason not to support your new changes.