

PROCESS A NON-GENERAL EDUCATION ~ CURRICULUM PROPOSAL

SCC #03-04- 201

2 Chgs req.

LIBRARY RESOURCE FORM REQUIRED

OFFICE OF THE PROVOST

Deadlines

October 3, 2003 to be implemented Fall 2004 ~ February 13, 2004 to be implemented Spring 2005

APR 1 2004

PROPOSAL TITLE:

Minor Change to the CS Specializations Requirements

ROWAN UNIVERSITY
Sponsor(s):

Computer Science Faculty
Stephen T. Hartley

E-Mail:

Ext:

E-Mail: hartley@rowan.edu

Ext: 3895

DEPARTMENT:

Computer Science

COLLEGE:

Liberal Arts and Sciences

If Liberal Arts & Sciences CHECK :

History/Humanities

Math/Sciences

Social/Behavioral Sciences

UNDERGRADUATE

GRADUATE

THE ATTACHED **NON-GEN-ED** PROPOSAL IS BEST DESCRIBED BY THE ITEM(S) CHECKED

New non-gen-ed course

Short-term non-gen-ed course

Minor curricular changes (fewer than three) to:

Existing non-gen-ed course

Non-gen-ed degree requirements

Major

Minor, specialization, concentration, track, certificate program

THE FOLLOWING SIGNATURES REPRESENT APPROVAL

Department Chair:

[Signature]

Date:

9/25/03

Department Curriculum Chair:

[Signature]

Date:

25 September 2003

Academic Dean:

[Signature]

Date:

9-30-03

COLLEGE CURRICULUM COMMITTEE

OPEN HEARING

Date: 12/4/03

Approved

Not Approved

COLLEGE CURRICULUM CHAIR:

[Signature]

Senate Curriculum Chair Signature:

[Signature]

Date: Senate Announcement

3-30-2004

Comments:

EXECUTIVE VICE PRESIDENT/PROVOST Signature:

[Signature]

Date:

4/25/04

Approved

Not Approved

REGISTRAR

Date: 05/10/04

Course Description Received & Approved ~ Hegis Taxonomy & Course #:

Registrar Signature:

[Signature]

NOTIFICATION FORWARD

SCC Chair

Academic Dean

Department Chair

Registrar

IR

CAP

VP Student Affairs

Others

Therese 5/24/04

201 3/5/04

Rowan University
CURRICULUM PROPOSAL
LIBRARY RESOURCE FORM

The purpose of this form is to provide a channel of communication between the library and faculty changing and designing new courses/programs. The information will be used to assess the resources available in the library, and to identify resources the library should acquire to support the course/program. The information will also provide rationale for institutional support for library acquisitions

This form should be completed in a coordinated effort between the course sponsor(s) and the academic department liaison librarian. **THIS FORM MUST BE COMPLETED FOR ALL CURRICULUM PROPOSALS.**

- The sponsor(s) complete parts A & B
 If assistance is required to complete parts A & B, please notify the liaison librarian.
- Forward this form to the librarian who will complete parts C, D & E

This form must be completed and attached to the original curriculum proposal before being approved by the Senate Curriculum Committee

A. College Liberal Arts and Science Department Computer Science
 Proposed by: Stephen J. Hartley Date: 25 September
 Course Title: Minor Curriculum Change to Special Archive
 Anticipated Date for Course/Program Offering: Fall 2004

B. List specific resources that should be acquired to support this ~~course~~ minor curriculum change.
 Since this proposal involves no new courses and only involves updating the specializations to include appropriate existing courses, no new library resources are therefore required.

C. Describe the resources available in the library to support this course/program, including reference, monographic, electronic databases, audio-visual materials, etc. A summary statement is sufficient.

Primary resource for this course is the ACM digital database

D. List key periodicals available in the library to support this ~~course/program~~ minor change.

Included in the ACM database

E. Librarian comments and recommendations:

Beginning in January 2004 we will receive the complete ACM digital database.

Name: LIBRARIAN LIAISON John Mullen Librarian Signature: [Signature]

Rowan University
Computer Science Department

**Proposal: Minor Change
to the Computer Science
Specializations Requirements**

1. Details

a. Change Requested

We request approval for the following two changes to the Computer Science Specializations requirements.

First change: Update the course list in those specifications affected by new courses and deleted courses in the computer science curriculum. Specifically,

- remove 0701.205 Computer Laboratory Techniques from the Information Technology specialization and replace it with 0704.430 Database Systems: Theory and Programming; and
- add 0706.415 Wireless Networks, Protocols, and Applications to the Network and Operating Systems specialization.

From

networking and operating systems	Operating Systems, 0704.390 Data Communications and Networking, 0706.410 System Programming and Operating System Internals, 0704.392 Advanced Computer Architecture, 0706.412 Principles of Digital Computers, 0706.310
information technology	Computer Laboratory Techniques, 0701.205 Web Programming, 0704.305 Principles Software Engineering, 0707.321 Operating Systems, 0704.390 Data Communications and Networking, 0706.410

To

Networking and Operating Systems	Operating Systems, 0704.390 Data Communications and Networking, 0706.410 System Programming and Operating System Internals, 0704.392 Advanced Computer Architecture, 0706.412 Wireless Networks, Protocols, and Applications, 0706.415
Information Technology	Web Programming, 0704.305 Principles Software Engineering, 0707.321 Operating Systems, 0704.390 Database Systems: Theory and Programming, 0704.430 Data Communications and Networking, 0706.410

Second change. Currently no mention is made of Independent Study courses in the Specializations document. We request approval to add a sentence to the last paragraph of the “Structure” section.

From

The following table specifies the courses making up each specialization. To obtain one of these specializations, a student must take four or more courses from the specialization’s list.

To

The following table specifies the courses making up each specialization. To obtain one of these specializations, a student must take four or more courses from the specialization’s list. An Independent Study 0701.400 course in the area of a specialization will count as a course in that specialization if approved by the student’s advisor. The following limitations apply.

- An Independent Study course used by a student to satisfy the requirements of a particular specialization must be 3.0 semester hours or less.
- At most one Independent Study course may be used by a student to satisfy the requirements of any particular specialization.
- A particular Independent Study course may be used at most once by a student to satisfy the requirements of a specialization.
- A student may satisfy the requirements of at most two specializations with Independent Study courses.

b. Sponsor

Stephen J. Hartley, Chair, and members of the Computer Science Department Curriculum Committee.

2. Rationale

a. Need for the Change

First change. Effective with the fall 2003 semester, the Computer Laboratory Techniques course will not be part of the curriculum for computer science majors and minors. Therefore, it should be removed from the specializations document.

As new courses in the computer science curriculum are approved, we will request approval to add those new courses to the appropriate specialization, if any. The Database and Wireless Networks courses are recent additions to the computer science course offerings and belong in the Information Technology specialization and Networking and Operating Systems specialization, respectively.

Second change. Computer science faculty members offer independent study courses from time to time to supplement the existing set of courses taught on an ongoing basis. If such an independent study course covers an area of study that is appropriate for one of the specializations, then a student taking the independent study course and striving to complete that specialization should be allowed to include the independent study course, subject to approval by the student’s advisor.

b. Curricular Effect

Both of these changes will increase the flexibility of the specializations requirements and will enhance the attractiveness to students of new and independent study courses in the computer science curriculum.

3. Results of Consultation

We solicited letters of consultation from Management Information Systems, Mathematics, and Electrical/Computer Engineering. Received letters are attached.

From hartley Tue Jul 29 14:56:25 2003
To: czochor@rowan.edu, hamilton@rowan.edu, head@rowan.edu
Subject: Letters of consultation for two proposals

The Computer Science department will be submitting the following two curriculum proposals this October and we solicit letters of consultation from you. Both proposals are available on the Web as PDF files. Please let me know if you have trouble accessing the documents or have any questions. Thanks for your help.

Minor curricular change to the specializations requirements:

<http://users.rowan.edu/~hartley/changeSpecializations.pdf>

New course proposal, Concurrent Programming:

<http://users.rowan.edu/~hartley/concProgNewCourse.pdf>

From hamilton@rowan.edu Tue Jul 29 15:08:23 2003
Date: Tue, 29 Jul 2003 15:08:06 -0400
From: "Diane Hamilton" <hamilton@rowan.edu>
To: <hartley@elvis.rowan.edu>
Subject: Re: Letters of consultation for two proposals

Steve,

Let me know if you need a letter other than this email. I have looked at the curriculum changes and these changes will not affect the MIS program in any way. Therefore, we have no problems with these proposed changes.

Diane Hamilton, Ph.D.
Professor of MIS
856-256-4760 (phone)
856-256-4439 (fax)

From Czochor@rowan.edu Tue Jul 29 16:23:26 2003
Date: Tue, 29 Jul 2003 16:23:09 -0400
From: "Ronald Czochor" <Czochor@rowan.edu>
To: <hartley@elvis.rowan.edu>
Subject: Re: Letters of consultation for two proposals

Stephen,

Thank you for the opportunity to comment on your curriculum proposals.

With respect to the changes in the Specializations, I have no comment other than to say I support it.

Ron Czochor, Chairman

revised January 13, 2004

Mathematics Department
Rowan University
Phone: 856.256.4845
Fax 856.256.4816

Rowan University

MEMORANDUM

DATE: 8/5/03

TO: Stephen J. Hartley, Chair
Curriculum Committee
Department of Computer Science

FROM: Linda M. Head, Acting Chair
Electrical and Computer Engineering

RE: Minor Change to the Computer Science Specializations Requirements

The Electrical and Computer Engineering program supports the Minor Change to the Computer Science Specializations Requirements presented to the University Curriculum Committee, Fall 2003. These changes do not directly affect Electrical and Computer Engineering majors and would only impact those ECE majors who are also completing a separate degree in Computer Science.



MEMORANDUM

DATE: 8/5/03

TO: Stephen J. Hartley, Chair
Curriculum Committee
Department of Computer Science

FROM: Linda M. Head, Acting Chair
Electrical and Computer Engineering

RE: Minor Change to the Computer Science Specializations Requirements

The Electrical and Computer Engineering program supports the Minor Change to the Computer Science Specializations Requirements presented to the University Curriculum Committee, Fall 2003. These changes do not directly affect Electrical and Computer Engineering majors and would only impact those ECE majors who are also completing a separate degree in Computer Science.