

**PROCESS A** NON-GENERAL EDUCATION ~ CURRICULUM PROPOSAL

SCC #04-05- 107

LIBRARY RESOURCE FORM REQUIRED

**Deadlines**

October 8, 2004 to be implemented Fall 2005 ~ February 11, 2005 to be implemented Spring 2006

PROPOSAL TITLE: Minor Change to CS Specializations

Sponsor(s): Stephen J. Hawley E-Mail: hawley@maricopa.edu Ext: 3895  
E-Mail: \_\_\_\_\_ Ext: \_\_\_\_\_

DEPARTMENT: CS

COLLEGE: LAS

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: \_\_\_\_\_ Date: 2-8-05  
 Department Curriculum Chair: \_\_\_\_\_ Date: 2-8-05  
 Academic Dean: Joy Hunt Date: 2-9-05

**COLLEGE CURRICULUM COMMITTEE**

OPEN HEARING Date: 3/28/05 Approved \_\_\_\_\_ Not Approved \_\_\_\_\_  
 COLLEGE CURRICULUM CHAIR: Stephanie  
 Senate Curriculum Chair Signature: \_\_\_\_\_ Date: Senate Announcement 4/1/05  
 Comments: \_\_\_\_\_

EXECUTIVE VICE PRESIDENT/PROVOST Signature: [Signature] Date: 5/23/05  
 Approved  Not Approved

**REGISTRAR**  
 Date: 5/31/05 Course Description Received & Approved - Hegis Taxonomy & Course #: \_\_\_\_\_  
 Registrar Signature: [Signature]

**NOTIFICATION FORWARD**

SCC Chair  Academic Dean  Department Chair  Registrar  IR  CAP 2/1/05  
 VP Student Affairs  Others

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 minor change to the Computer Science Specializations requirements: update the course list in those specifications affected by new courses in the computer science curriculum. Specifically,

- add 0706.xxx TCP/IP and Internet Protocols and Technologies to the Network and Operating Systems specialization,
- add 0704.391 Concurrent Programming to the Network and Operating Systems specialization,
- add 0704.394 Distributed Systems to the Network and Operating Systems specialization,

#### From

Networking 0704.390 Operating Systems  
and 0706.410 Data Communications and Networking  
Operating 0704.392 System Programming and Operating System Internals  
Systems 0706.412 Advanced Computer Architecture  
0706.415 Wireless Networks, Protocols, and Applications

#### To

Networking 0704.390 Operating Systems  
and 0706.410 Data Communications and Networking  
Operating 0704.392 System Programming and Operating System Internals  
Systems 0706.412 Advanced Computer Architecture  
0706.415 Wireless Networks, Protocols, and Applications  
0704.391 Concurrent Programming  
0704.394 Distributed Systems  
0706.xxx TCP/IP and Internet Protocols and Technologies

#### b. Sponsor

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

### 2. Rationale

#### a. Need for the Change

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 three courses 0704.391 Concurrent Programming,

0704.394 Distributed Systems, and 0706.xxx TCP/IP and Internet Protocols and Technologies are recent additions to the computer science course offerings and belong in the Networking and Operating Systems specialization.

## b. Curricular Effect

This change will enhance the attractiveness of the specializations to computer science majors.

## 3. Results of Consultation

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

```
From hamilton@rowan.edu Tue Feb  1 15:02:10 2005
Date: Tue, 01 Feb 2005 15:01:55 -0500
From: "Diane Hamilton" <hamilton@rowan.edu>
To: <hartley@elvis.rowan.edu>
Cc: "Daniel J. McFarland" <mcfarland@groupwise.rowan.edu>
Subject: curriculum consultation
```

Hi Steve,

The MIS faculty are happy to support your new course proposal, namely Power Java, as well as your change in the Computer Science program. We applaud your efforts to keep the program current, which we know can be quite difficult in such a quickly changing field.

sincerely.  
diane hamilton

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Diane Hamilton, Ph.D.  
Professor of MIS

Rowan University  
College of Business  
201 Mullica Hill Rd  
Glassboro, NJ 08028

856-256-4760 (phone)  
856-256-4439 (fax)

```
From Czocho@rowan.edu Fri Feb  4 12:16:09 2005
Date: Fri, 04 Feb 2005 12:16:01 -0500
From: "Ronald Czocho" <Czocho@rowan.edu>
To: <hartley@elvis.rowan.edu>
Subject: Re: minor change curriculum proposal
```

revised February 8, 2005

Steve,

The Math Department has no comment on the proposed additions to your department's specialization.

Ron Czocho, Chairman

Mathematics Department

Rowan University

Phone: 856.256.4845

Fax 856.256.4816

Webpage:

<http://www.rowan.edu/mars/depts/math/czocho/Homepage/homepage.htm>

Dept. webpage: <http://www.rowan.edu/mars/depts/math/>



*Electrical and Computer Engineering*

January 30, 2005

Professor Stephen J. Hartley  
Computer Science Department  
Rowan University  
Glassboro, NJ 08028

Re: Minor Change to CS Specialization Requirements

Dear Professor Hartley:

The Electrical & Computer Engineering department has received your course proposal entitled "Minor Change to CS Specialization Requirements." We have reviewed the rationale, curricular effect and proposed course content and are pleased to support this change.

Best wishes,

Shreekanth Mandayam, Ph.D.  
Associate Professor  
ECE Curriculum Committee Chair

Cc: Dr. Jennifer Kay, Chair, CS

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 LAS Department CS  
 Proposed by: Stephen J. Hartle Date: Feb 8, 2005  
 Course Title: Minor Change to CS Specializations  
 Anticipated Date for Course/Program Offering: Fall 2006

B. List specific resources that should be acquired to support this course.

*None directly, indirectly, through included courses, for which Library Resource Forms have already been filed.*

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.

*N.A.*

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

*N.A.*

E. Librarian comments and recommendations:

*N.A.*

Name: LIBRARIAN LIAISON

*N.A.*

Librarian Signature:

*N.A.*

## Wiest, Rosemarie

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**From:** Phillip A. Lewis [Lewi8025@rowan.edu]  
**Sent:** Friday, May 06, 2005 4:38 PM  
**To:** Jennifer S. Kay; Milou, Eric; Wiest, Rosemarie  
**Cc:** DeEugenio, Esther; Hartley, Stephen J.  
**Subject:** SCC# 03-04-810 (graduate) and 03-04-829 (undergraduate)

JK,

The undergraduate proposal, SCC# 03-04-829, is being returned to the Provost for her review. The graduate level version of the course, SCC# 03-04-810, is being revised to increase the rigor to be appropriate for graduate learning with additional learning outcomes/objectives.

...PAL

Phillip A. Lewis, Ph.D.  
Associate Professor  
Marketing Department  
Rowan University

## Wiest, Rosemarie

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**From:** Wiest, Rosemarie  
**Sent:** Friday, May 06, 2005 4:01 PM  
**To:** Mosto, Patricia; Milou, Eric; 'Esther DeEugenio'  
**Cc:** Faison, Christy  
**Subject:** FYI on SCC#03-04-810

Just to bring you up to date on the request for a minor change to computer science specializations (sponsor: Steve Hartley) (SCC#04-05-839):

The proposal will have to be placed on Hold until SCC#03-04-810 (TCP/IP and Internet Protocols and Technology) has been given to the provost's office. TCP/IP...(03-04-810) has not left the senate as yet; Phil Lewis has it; he will get back to me regarding the status. roe

Rosemarie Wiest  
Provost Office  
Bole Hall  
856-256-4108

**Mosto, Patricia**

**From:** Milou, Eric  
**Sent:** Monday, May 02, 2005 2:45 PM  
**To:** Mosto, Patricia  
**Subject:** Re: curriculum proposal scc 04-05-839

Pat,  
The course was actually approved last year. It was proposal #03-04-810.  
The HEGIS number is 0704.395

*It was approved by the  
committee last year  
approved by the committee  
last year??*

Eric

*No TRACE at all per Coxler  
Ann@denationmagia*

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**From:** "Mosto, Patricia" <Mosto@rowan.edu>  
**Date:** Mon, 2 May 2005 14:12:53 -0400  
**To:** "Milou, Eric" <milou@rowan.edu>  
**Cc:** "Faison, Christy" <Faison@rowan.edu>, "Wiest, Rosemarie" <Wiest@rowan.edu>  
**Subject:** curriculum proposal scc 04-05-839

Eric, CS is requesting a minor change in specialization requirements, and they list the addition of a new course  
0706.XXX TCP/IP and Internet Protocols and Technology.

We do not have the course in our list. Have you approved the new course yet?

Please let me know

Pat

Dr. Patricia Mosto  
Interim Associate Provost  
Academic Affairs  
Rowan University  
e-mail: mosto@rowan.edu  
phone: 856-256-4012  
fax: 856-256-4435

"A good argument is objective and honest; healthy and constructive. It is never vicious and cruel, and brings forward the principle of equal partnership"