

1-30-2006

Computer Science: Changes to the Computer Information Systems Minor

The College at Brockport, College Senate

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SUNY BROCKPORT

College Senate
State University of New York
College at Brockport
New Campus Drive
Brockport, NY 14420-2925
(585) 395-2586 (Fax) 395-2246

Resolution # **09**
2005-2006
COLLEGE SENATE

TO: Dr. John R. Halstead, College President

FROM: The College Senate Meeting on: **January 30, 2006**

RE: ⇨ I. Formal Resolution (*Act of Determination*)
II. Recommendation (*Urging the Fitness of*)
III. Other, For Your Information (*Notice, Request, Report, etc.*)

COLLEGE SENATE
SUNY College at Brockport
FEB 15 2006
350 New Campus Drive
Brockport, NY 14420-2925

SUBJ: **Changes to the Requirements for the Computer Information Systems
Minor #16 05-06UC**

Signed:  Date: 2/6/06
(Dr. Mark Nail, 2005-2006 College Senate President)

Please fill out the bottom portion and return document to the College Senate Office.

TO: The College Senate

FROM: College President

RE: ⇨ I. Decision and Action Taken on Formal Resolution (circle)

a. Accepted. Resolution Effective Date: 2/10/06

b. Deferred for discussion with the Faculty Senate on ___/___/___

c. Unacceptable for the reasons contained in the attached explanation


II, III. Response to Recommendation or Other/FYI ...

a. Received and acknowledged ___/___/___

b. Comment: _____

DISTRIBUTED BY PRESIDENT'S OFFICE TO: President's Cabinet

DISTRIBUTE ALSO TO: Originator, Academic Advisement, Registrar (as appropriate)

Signed:  Date: 2/6/06
(College President, SUNY College at Brockport)

**COLLEGE SENATE OFFICE
RESOLUTION PROPOSAL COVER PAGE**

Routing Number	#16 05-06 UC
ROUTING NUMBER TO BE ASSIGNED BY SENATE OFFICE	

DEADLINE FOR SUBMISSIONS: FEBRUARY 23

Proposals received after the deadline may not be reviewed until next semester.

INSTRUCTIONS:

- Submit proposals individually rather than packets with multiple documents.
- Complete this cover page for each proposal (available online at www.brockport.edu/collegesenate)
- Prepare proposal in Word format using committee guidelines (available online)
- Submit proposal electronically with this cover page to senate@brockport.edu, facprez@brockport.edu
- All updates must be resubmitted to the Senate office with an updated cover page, use routing number
- Questions? Call the Senate office at 395-2586 or the appropriate committee chairperson.

1. PROPOSAL TITLE:

Please be somewhat descriptive, for example, *Graduate Probation/Dismissal Proposal* rather than *Graduate Proposal*.

Changes to the Requirements for the Computer Information Systems Minor

2. BRIEF DESCRIPTION OF PROPOSAL:

The Department of Computer Science proposes small changes to the requirements for the Computer Information Systems Minor (CIS-Minor) program. These changes are needed as result of recent changes we have made for the IS track of the CSC major (approved by the College Senate in April 2005). The proposed changes reduce the number of credits required for CIS-Minor program by one (From 19 to 18).

3. SUBMISSION & REVISION DATES: PLEASE DATE ALL UPDATED DOCUMENTS

First Submission	Updated on	Updated on	Updated on
November 16, 2005			

4. SUBMITTED BY: (contact person)

Name	Department	Phone	Email
T. M. Rao	Computer Science	X5176	trao@brockport.edu
Sandeep Mitra		X2234	smitra@brockport.edu

5. COMMITTEES TO COPY: (Senate office use only)

Standing Committee	Forwarded To	Date
<input type="checkbox"/> Enrollment Planning & Policies	Committee Chair	11/17/05
<input type="checkbox"/> Faculty & Professional Staff Policies	Executive Committee	12/5/05
<input type="checkbox"/> General Education & Curriculum Policies	Senate Floor	12/12/05
<input type="checkbox"/> Graduate Curriculum & Policies	College President	2/2/06
<input type="checkbox"/> Student Policies	Other	
<i>XX Undergraduate Curriculum & Policies</i>		

*(ROUTING NUMBER WILL BE A CHRONOLOGICAL NUMBER SEQUENCE FOLLOWED BY COMMITTEE INITIALS)

Department of Computer Science
SUNY College at Brockport

Proposal to the College Senate

Changes to the Requirements for the
Computer Information Systems Minor

Expected Date of Implementation: Fall 2006

November 3, 2005

1. Executive Summary

The Department of Computer Science proposes small changes to the requirements for the **Computer Information Systems Minor (CIS-Minor)** program. These changes are needed as result of recent changes we have made for the IS track of the CSC major (approved by the College Senate in April 2005). The proposed changes reduce the number of credits required for CIS-Minor program by one credit (From 19 to 18).

The proposed changes to the CIS-Minor are:

- A. Require the 1-credit, lab-oriented “IT Tools” course (CIS 206) instead of CIS 304.
- B. Add a required 1-credit, lab-oriented, “UNIX Tools” course (CSC 209).
- C. Drop the required course CIS 317.
- D. Increase the number of elective courses from 2 to 3.

This decreases the total number of credits required for the CIS-Minor from 19 to 18.

The impact of these changes on the College’s resources will be minimal. The new lab-oriented courses to be introduced into the curriculum will use the existing computing infrastructure available on campus.

2. Proposed Changes to the CIS-Minor

The proposed changes for the CIS Minor are outlined below:

Proposed Change A: Require CIS 206 instead of CIS 304.

Current Situation: CIS 304: Computers and Office Productivity is a required course that covers some advanced aspects of office automation software such as Word, Excel and Power Point.

Proposed Change: Remove CIS 304 as a core course; and add the 1-credit, lab-oriented course called “IT Tools” (CIS 206) as a required course.

Rationale: As part of the revision to the IS track of the Computer Science major, approved during 2004-05 by the department and the College Senate, the 3-credit course CIS 304 will be dropped from the department’s offerings as of Fall 2006. In its place, a 1-credit, lab-oriented class called “IT Tools” (CIS 206) that covers the same material in a hands-on manner will be introduced. The department feels that the material taught in CIS 304 can be taught in a more compact and focused way as the students enrolled are mainly going to be Computer Science majors.

Proposed Change B: Add a required course “UNIX Tools” (CSC 209)

Current Situation: Currently there is no UNIX requirement for the CIS-Minor

Proposed Change: Add a new required 1-credit, lab-oriented, “UNIX Tools” course (CSC 209)

Rationale: It is greatly advantageous to a student to be exposed to many different programming languages and computing platforms. CSC 209 covers UNIX tools. By adding this course, we ensure exposure to a variety of platforms: the required course CSC 203 uses the PCs with the Windows operating system for lab exercises, while this course uses the UNIX workstations and the UNIX operating system.

Proposed Change C: Drop the required course CIS 317.

Current Situation: CIS 317: Analysis and Design of Information Systems is a required course for the IS track.

Proposed Change: Drop the required course CSC 317

Rationale: CIS 317 has been redefined to include a lab component in order to meet ABET accreditation requirements. The new CIS 317 is a 4-credit course. We feel that the CIS minor students should have fewer required courses, thus enabling them to take more electives of their choice.

Proposed Change D: Increase the number of required elective courses from 2 to 3.

Current Situation: There are 13 credits of required courses and 6 credits of elective courses.

Proposed Change: Increase the number of elective credits from 6 to 9 (i.e. the number of elective courses increases from 2 to 3).

Rationale: Because of the proposed changes above, the number of required credits has reduced to 9. We bring the total credits for the minor to 18 by requiring 9 elective credits (i.e. 3 elective courses)

CIS Minor Requirements (Existing and Proposed Program -- Side by Side Comparison)

EXISTING PROGRAM		PROPOSED NEW PROGRAM	
Course# and Title	#Cr	Course# and Title	#Cr
REQUIRED		REQUIRED	
CSC 203: Fundamentals of CS I	4	CSC 203: Fundamentals of CS I	4
		CSC 209: UNIX Tools	1
CIS 202: Fundamentals of IS	3	CIS 202: Fundamentals of IS	3
CIS 304: Computers and Office Prod.	3	CIS 206: IT Tools	1
CIS 317: Anal. And Logical Design of IS	3		
ELECTIVE		ELECTIVE	
CSC 205 Any CIS course labeled 300 or higher Any elective CSC course allowed for IS Track majors	6	3 courses from the following list: CSC 205 CSC 212 CSC courses numbered 300-489 (except CSC 303, 311, 411, 419, 422, 427, and 434) CIS courses numbered 300-489	9
TOTAL	19	TOTAL	18

Note: Pre-requisites: MTH 122, CSC 120, and CIS 106 (9 credits) remain the same as before.

3. Impact on Resources

Laboratory resources

The impact on college resources as a result of the suggested changes above is expected to be minimal. The CSC 209 course will be held exclusively in the SUN room (Dailey 212). This practice will actually reduce the pressure on the PC labs and make a better utilization of the SUN lab.

Faculty resources

The proposed changes can be implemented with the existing faculty. No new faculty resources are needed.