

1-30-2006

Computer Science: Changes to the CSC 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 # 11 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: **Computer Science: Changes to the Requirements of the CSC Minor**
#17 05-06 UC

Signed: *[Signature]* Date: 2/16/06
(*Dr. Mark Noll, 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: *[Signature]* Date: 2/10/06
(*Dr. John R. Halstead, College President, SUNY College at Brockport*)

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, facpres@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 of the Computer Science Minor
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2. BRIEF DESCRIPTION OF PROPOSAL:

<p>The Department of Computer Science proposes some small changes to the requirements for the Computer Science Minor (CSC-Minor) program. These changes are needed as result of recent changes we have made for the AC and SD tracks of the CSC major (approved by the College Senate in April 2005). The proposed changes reduce the number of credits required for CSC-Minor program by two (from 20 to 18).</p>
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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 Sandeep Mitra	Computer Science	X5176 X2234	trao@brockport.edu 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	
XX Undergraduate Curriculum & Policies		

*(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 Science Minor

Expected Date of Implementation: Fall 2006

November 3, 2005

1. Executive Summary

The Department of Computer Science proposes some small changes to the requirements for the **Computer Science Minor (CSC-Minor)** program. These changes are needed as result of recent changes we have made for the AC and SD tracks of the CSC major (approved by the College Senate in April 2005). The proposed changes reduce the number of credits required for CSC-Minor program by two credits (From 20 to 18).

The proposed changes to the CS-Minor are:

- A. Add a new required 1-credit, lab-oriented, “UNIX Tools” course (CSC 209).
- B. Reduce the number of elective credits from 12 to 9

This reduces the total number of credits required for the CSC-Minor from 20 to 18.

The impact of these changes on the College’s resources will be minimal.

2. Proposed Changes to the CSC-Minor

The proposed changes for the CSC minor are outlined below:

Proposed Change A . Add a required course CSC 209

Current Situation: Currently CSC 209 is NOT a required course.

Proposed Change: Add a required course CSC 209: UNIX Tools (1 credit)

Rationale for change: It is greatly advantageous to any student to be exposed to a variety of programming languages and computing platforms. CSC 209 covers UNIX tools – exposing students to the UNIX operating system. Exposure to more than one platform is ensured by the fact that the required courses CSC 203 and CSC 205 use the PCs with the Windows operating system for lab exercises, while CSC 209 uses the UNIX workstations and the UNIX Operating System.

Proposed Change B. Reduce the number of elective credits from 12 to 9

Current Situation: Currently the elective requirement is 12 credits (4 courses).

Proposed Change: Reduce the number of elective requirement to 9 credits (3 courses)

Rationale for change: Increasing the number of required courses necessitates the reduction in the number of elective credits.

**CSC Minor Requirements
(Existing and Proposed Programs -- 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 205: Fundamentals of CS II	4	CSC 205: Fundamentals of CS II	4
		CSC 209: UNIX Tools	1
ELECTIVE		ELECTIVE	
4 CSC courses numbered 300 or above	12	3 courses from the list numbered CSC 300-489	9
TOTAL	20	TOTAL	18

Note:

1. Pre-requisites: MTH 122, MTH 281, and CSC 120 (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.