

2-28-2000

Minor Revisions to ACS- Certified Chemistry Major

The College at Brockport, College Senate

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SUNY BROCKPORT

Faculty Senate
State University of New York
College at Brockport
350 New Campus Drive
Brockport, NY 14420-2925
(716) 395-2586 (Fax) 395-2246

**Resolution #10
1999-2000
FACULTY SENATE**

FACULTY SENATE
SUNY College at Brockport

APR 19 2000

350 New Campus Drive
Brockport, NY 14420-2925

TO: Dr. Paul Yu, College President

FROM: The Faculty Senate Meeting on: *February 28, 2000*

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

SUBJ: *Minor Revisions to ACS-Certified Chemistry
Major*

Signed: *Thomas Bonner* Date Sent: *3/20/00*
(Thomas Bonner, Faculty Senate President)



TO: The Faculty Senate

FROM: Dr. Paul Yu, College President

RE: I. Decision and Action Taken on Formal Resolution
a. Accepted. Effective Date: / /
b. Deferred for discussion with the Faculty Senate on / /
c. Unacceptable for the reasons contained in the attached explanation

II, III. a. Received and acknowledged
b. Comment: _____

DISTRIBUTION: *Administrative Group*

Distribution Date: *4/12/00* Signed: *Paul Yu*
(President of the College)

Resolution Disk:resform.wp6:ayk

BROCKPORT

State University of New York
College at Brockport
100 New Campus Drive
Brockport, New York 14420-2973

Department of Biological Sciences
(716) 395-2193

TO: Tom Bonner, President
Faculty Senate

FROM: Larry Kline, Chairman
Faculty Senate Undergraduate Curriculum Committee *LK*

DATE: February 14, 2000

RE: Committee Actions for Approval

Attached are proposals that have been approved by the FS Undergraduate Committee. Would you please distribute them to the Executive Committee for their action and approval on Feb 21 and for subsequent senate approval.


1. The committee approved the proposal from the Communication Department as a minor change. It involved a course change.
2. The committee approved the proposal from the Chemistry Department as a minor change. It involved a change in course selection.
3. The committee approved the proposal from the Anthropology Department as a minor change. It involved a change in course selection.
4. The proposal from the Business and Economics Department was approved as a major change. It involved course changes, course substitutions and GPA requirements. The changes were in response to state regulations regarding the accounting degree and certification.

FACULTY SENATE
SUNY College at Brockport

JAN 5 2000

350 New Campus Drive
Brockport, NY 14420-2925

TO: Dr. Thomas P. Bonner, President
Faculty Senate

FROM: Carolyn J. Greene, Chair 
Curriculum Committee, Department of Chemistry

DATE: December 15, 1999

RE: Revisions to the ACS-Certified Chemistry Major

In December 1999, the Committee on Professional Training (CPT) of the American Chemical Society circulated new guidelines for chemistry departments with ACS-approved programs. This necessitates a minor change in the Chemistry Department's curriculum requirements for our majors who seek ACS-certification.

CPT now prescribes that:

"...the part of the program specified as the core curriculum taken by all certifiable chemistry graduates includes a minimum of 28 semester hours of basic instruction with comparable emphasis on the areas of analytical chemistry, inorganic chemistry, organic chemistry, and calculus-based physical chemistry. Biochemistry must also be a part of the undergraduate curriculum for chemistry degree students. Two modes are possible for biochemistry. One consists of integrating the equivalent of three semester hours of biochemistry into the core. The other consists of having a three-semester-credit-hour course in biochemistry serve as one of the advanced courses. Although a laboratory component is not required for biochemistry, such experience is welcome."

The Chemistry Department currently requires the following courses for the ACS-certified major:

		<u>Credits</u>
CHM 341	Advanced Organic Chemistry Laboratory I	1
CHM 414	Instrumental Methods II	3
CHM 416	Instrumental Laboratory	1
CHM 431	Inorganic Chemistry	3
CHM 432	Inorganic Chemistry Laboratory	1
CHM 342	Advanced Organic Laboratory II	
	or	
CHM 470	Biochemistry Laboratory	1
	*Electives	6
	Credits in Chemistry	Total: 47

* Six credits of electives chosen from the 300/400-level in chemistry, excluding courses with the suffix I (CHM 370, CHM 371, CHM 372, CHM 373). Three credits of elective may be satisfied either by an advanced course in mathematics or physics (for which calculus is a prerequisite) or, by petition to the Department of Chemistry, a relevant upper-division course in another of the natural and mathematical sciences.

In order to comply with the new CPT guidelines, the Department of Chemistry proposes that we additionally require CHM 467, Biochemistry I (an existing course which is being instructed by Dr. J. Emory Morris). This course would replace 3 of the 6 credit-hours of upper level electives, so that the total number of credits in chemistry would remain at 47. The new listing would look like this (changes are underlined>:

		<u>Credits</u>
CHM 341	Advanced Organic Chemistry Laboratory I	1
CHM 414	Instrumental Methods II	3
CHM 416	Instrumental Laboratory	1
CHM 431	Inorganic Chemistry	3
CHM 432	Inorganic Chemistry Laboratory	1
<u>CHM 467</u>	<u>Biochemistry I</u>	<u>3</u>
CHM 342	Advanced Organic Laboratory II	
	or	
CHM 470	Biochemistry Laboratory	1
	<u>*Electives</u>	<u>3</u>
	Credits in Chemistry	Total: 47

* Three credits of electives chosen from the 300/400-level in chemistry

CPT guidelines state that departments will have two years to integrate the biochemistry requirement into their curriculum and four additional years before the certified graduates must satisfy the requirements. Since the guidelines were released in Fall 1999, we would be expected to satisfy the requirements in 2001 (coinciding with the release of the new college catalog), and our graduates would have to satisfy the requirement for certification no later than 2005. Therefore we ask that the new requirement be made effective in the Fall 2001 term, such that students entering SUNY Brockport in that term and thereafter are bound by it.