

1989 - 90

Glassboro State College Senate Curriculum Committee

# Approval Form

Minor Curricular Change in Chemistry Program

Proposal Title: \_\_\_\_\_  
Sponsor(s) Chamberlain, Craver Leder  
Dinsmore, Newland, Schultz Dept.: Physical Sciences Ext. 7353

Check one:  Course  Specialization  Concentration  Minor  Achievement Certificate  
 Certification Program  Major Program  Minor Change Require ~~a new elective~~ <sup>an additional</sup> course  
(please name deletion or credit/catalog change)

1. No To Res or Coop Ed 3 Has

Undergraduate  Graduate TOTAL CREDITS FROM 124 TO 125 \_\_\_\_\_ Credit Hours

<p><b>Step 1 (Department)</b></p> <p><input checked="" type="checkbox"/> Approved _____ Date _____</p> <p><input type="checkbox"/> Not Approved</p> <p><u>Chris Schultz</u> Dept. CC Chairperson</p> <p><input checked="" type="checkbox"/> reviewed <u>11-16-89</u> Date _____</p> <p><u>Chris Schultz</u> Dept. Chairperson</p>	<p><b>Step 2 (Receipt)</b></p> <p><input type="checkbox"/> SCC# <u>89-90-10</u></p> <p>Proposal Received <u>11/16/89</u> Date _____</p> <p><u>Linda Ross</u> SCC Chairperson</p>	<p><b>Step 3 (School CC)</b></p> <p>Reviewed <u>Charles Schultz</u></p> <p><input checked="" type="checkbox"/> Approved <u>2-2-90</u></p> <p><input type="checkbox"/> Not Approved</p> <p><b>Comments:</b></p> <p><u>Charles W Schultz</u> School Curr Comm Chairperson</p>
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**Step 4 (Academic Dean)**

Recommend  Not Recommend  Conditionally Recommend (see comments)

Reviewed 2-7-90  
Date \_\_\_\_\_

**Comments:** needed to implement assessment plan

Menna Berkow  
Signature, Dean of School

**Step 5 (SCC)**

Open Hearing 2/2/90 Date \_\_\_\_\_  Approved by Senate Curriculum Committee \_\_\_\_\_ Date \_\_\_\_\_

Returned to sponsor(s) for the following reasons:

**Step 6 (Senate)**

Presented to Senate \_\_\_\_\_ Date \_\_\_\_\_  Approved  Not Approved

Notification to Executive Vice-President/Provost 2/26/90 Date \_\_\_\_\_  
Signature, SCC Chairperson \_\_\_\_\_

**Step 7 (Executive V.P./Provost)**

Received 3/1/90  
Date

Approved  Yes  No

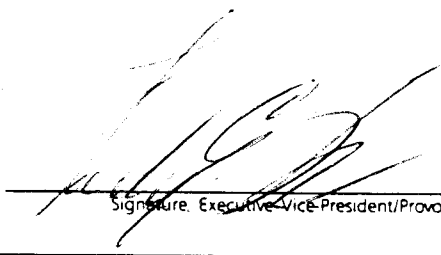
If no, reasons are as follows:

Student credit hours NA PROGRAM CHANGE

Faculty load hours NA

Equalized credit hours NA

Official copy and approval sheet filed \_\_\_\_\_  
Date

  
\_\_\_\_\_  
Signature, Executive Vice-President/Provost

**Registrar**

Approved course description received 25 July 90  
Date

Hegis Taxonomy and Course Number assigned N/A

B7 Kelsey for DB  
Signature, Registrar

25 July 90  
Date

**Notification forwarded:**

- Senate Curriculum Committee Chairperson
- Department Chairperson(s)
- Academic Dean(s)
- Registrar
- Sponsor(s)

## DEPARTMENT OF PHYSICAL SCIENCES

### MINOR CURRICULAR CHANGE

#### 1. Details

- a. Change Requested: The Department requests a minor change in the requirements for the B.S. in Chemistry degree. In particular we are changing the program to require each student to take either Introduction to Research or Cooperative Education. This mandates an increase of 3 S.H. in the required courses, but we are reducing the chemistry restricted elective requirement from from 11 to 10 S.H. and the non-chemistry restricted elective requirement from 5 to 4 S.H. Thus the chemistry B.S. program will total 125 S.H.
- b. Sponsors : This change is sponsored by all chemistry faculty, Drs. Chamberlain, Craver, Dinsmore, Leder, Newland, and Schultz.

#### 2. Rationale

- a. Statement of Need: The chemistry program was selected last year as one of five programs to pilot the COEP process at GSC. As such we have assessed program goals and methods of achieving them. Among other changes, we have decided that a senior research project is a necessary culminating experience for each student. The student may choose to take our course, Introduction to Research, or do an off-campus Coop. All Coop positions will be approved by chemistry faculty and supervised by Dr. Mark Chamberlain. Each student will present a final paper and an oral presentation; both will be evaluated by all chemistry faculty.
  - b. Statement of Curricular Effect: The present chemistry degree requirements include general education, health and physical education, a core of chemistry and cognate courses, restricted electives that include upper level chemistry courses and cognate courses, and free electives. Both Introduction to Research and Cooperative education have been restricted elective choices for students. One or the other have been chosen by approximately 50% of our majors in the past. This change will increase our core requirements by 3 S.H. To ameliorate the effect we are reducing our restricted electives by 2 S.H.
- #### 3. Results of Consultation: The change has been unanimously approved by all chemistry faculty. Consultation with other program faculty has not been sought since other programs are not effected. The Committee on Professional Training, the accrediting body of the American Chemical Society, strongly encourages research for undergraduate chemistry majors.