PROPOSAL NUMBER: 99-742

CURRICULUM PROPOSAL FORM

*DEADLINES:
REGULAR COURSE PROPOSALS: OCTOBER 23, 1998 FOR FALL, 1999 AND FEBRUARY 19, 1999 FOR SPRING, 2000
SHORT-TERM COURSE PROPOSALS: DECEMBER 11, 1998 FOR FALL, 1999 AND MARCH 26, 1998 FOR SPRING 2000

PROPOSAL TITLE: Remove "Restricted Electives" Requirement from the Physical Sciences Major

SPONSOR/S: Charles W. Schultz

DEPARTMENT: Chemistry + Physics

CHECK ALL THAT APPLY:
__X__ UNDERGRADUATE _____ GRADUATE

COLLEGE: _____
If LAS: _____ History/Humanities
__X__ Math/Sciences
_____ Social/Behavioral Sciences

* * * * * * * * * * *

TYPE OF PROPOSAL *(Check ALL that Apply)*

_____ General Education
___ *New Course in* _____ *Bank*
___ *Existing course, Add To* _____ *Bank*
___ *Multicultural/Global Designation*
___ *Writing Intensive Designation*
___ Literature Designation
_____ New Minor/Concentration/Specialization
_____ New Major/Degree Program
Short Term Course Proposal

_____ New Course (NOT Gen. Ed.)
_____ Name Change (Dept., School, Major)
_____ Changes in Degree Requirements
___ *Changes Involve Gen. Ed. requirements*
__X__ Minor Changes to Existing Courses
__X__ *Course is NOT General Education*
____ *Course IS General Education*

DEPARTMENT
(SIGNATURE INDICATES APPROVAL)

Charles W Schultz 1/31/99
DEPT. CURRICULUM CHAIR / DATE

DEPT. CHAIRPERSON / DATE 2/1/99

COLLEGE CURRICULUM COMMITTEE
DATE OF OPEN HEARING (if necessary) 4-27-99
— APPROVED
— NOT APPROVED
COMMENTS:

SIGNATURE DATE 5.27.99

ACADEMIC DEAN (& GRADUATE DEAN, for New Graduate Programs Only)
— APPROVED
— NOT APPROVED
COMMENTS:

SIGNATURE (Academic Dean) DATE

SIGNATURE (Graduate Dean) DATE

UNIVERSITY CURRICULUM COMMITTEE

DATE OF OPEN HEARING (if necessary) 4/27/99 (College Level only)

✓ APPROVED

— NOT APPROVED

COMMENTS:

Juanita Reeves 5/27/99

SIGNATURE **DATE**

SENATE

Date announced at Senate 4/2/99

Voted upon at Senate: **Approved** **Not Approved** **Date:**

EXECUTIVE VICE PRESIDENT/PROVOST

____ **APPROVED**

____ **NOT APPROVED If no, reasons are as follows:**

STUDENT CREDIT HOURS _____ **FACULTY LOAD HOURS** _____ **EQUALIZED CREDIT HOURS** _____

OFFICIAL COPY & APPROVAL SHEET FILED (DATE): ____

DATE/SIGNATURE EXECUTIVE VICE PRESIDENT/PROVOST C. J. Matteson 6/10/99

REGISTRAR

DATE APPROVED COURSE DESCRIPTION RECEIVED _____

HEGIS TAXONOMY & COURSE NUMBER ASSIGNED _____

DATE/SIGNATURE OF REGISTRAR

NOTIFICATION FORWARD:

✓ **SENATE CURRICULUM COMMITTEE CHAIRPERSON**

✓ **DEPARTMENT CHAIRPERSONS**

✓ **ACADEMIC DEAN(S)**

✓ **REGISTRAR**

SPONSOR(S)

Rowan University
Department of Chemistry and Physics

Minor Curricular Change

Remove "Restricted Electives" Requirement from the Physical Sciences Major

1. Details

a. Change requested:

The removal from the major requirements of the Physical Sciences Major of the area "restricted electives" , 9 - 13 semester hours, with the corresponding increase of the area "free electives" by 9 - 13 semester hours to 20 -24 semester hours.

b. Sponsor: Charles Schultz, Professor, Department of Chemistry and Physics

2. Rationale

a. Statement of "need" for such a change:

The Physical Sciences major was created in the 1970's to primarily serve as the vehicle through which students interested in becoming teachers in the physical sciences could major. Another market was the student needing a strong background in science but not working directly in science such as pharmaceutical sales or technical writing. The degree requirements were purposely established with a high number of free electives so that a student could complete the major and a secondary area, such as teaching courses, and still graduate after four years of full time study.

When the latest round of the new general education model was established, it was agreed that the new model should not cause significant changes to the then current major requirements. Our chemistry major, with many requirements, fits the B.S. model by not counting as major requirements, the courses required in the general education area. The Physical Sciences major, on the other hand, with fewer specific requirements, fits the B.S. model by counting as part of the major requirements the math and science courses required in the general education area.

The addition of the "restricted electives" bank in the major requirements were apparently an attempt to fit the new degree model without regard to the purpose and historical distribution within the Physical Sciences degree. In fact, no student, has followed the current model which includes restricted electives. The inclusion of an additional area of restricted electives in the major will negatively impact on the students for which the degree was designed by making the simultaneous completion of the degree and completing required education courses for teaching impossible in four years.

b. Statement of curricular effect:

The elimination of the current bank of "restricted electives" will have no effect

since no student has followed this model. Indeed all advisement materials which are given to students by the Department of Chemistry and Physics do not include the area of restricted electives. These materials reflect the previous model (no restricted electives) and the way that we propose returning to from the current official model.

3. Results of Consultation

The Department of Chemistry and Physics at one of its regular meetings approved the requested change. Since this is completely an internal matter, no other departments were consulted. Dean Pearl Bartelt has approved of the idea of including required math and science general education courses as major requirements in order to meet the number of required hours for a B.S. major.

4. The present degree model from 1998-2000 catalog and proposed new model:
:

	Present	Proposed
Gen. Ed	49	49
Major Requirements	47-49	47-49
Common Core	31-32	31-32
Specialization		
Chemistry	16-17	16-17
Gen. Sci.	19-20	19-20
Restricted Electives	9-10	0
Free Electives	11	20-21
Total Credits in program	120	120