

CURRICULUM PROPOSAL FORM 2001-2002

NEW PROGRAMS, MAJOR PROGRAM REVISIONS, AND PROGRAM NAME CHANGES PROCESS C

***DEADLINES:** Deadline dates for 2001/2002 submissions: Regular proposals: October 19, 2001 to be implemented in Fall 2002; Short-Term proposals: December 7, 2001 to be implemented in Fall, 2002; Regular proposals February 15, 2002 to be implemented in Spring, 2003; March 22, 2002 for short-term courses to be implemented in Spring 2003.

PROPOSAL TITLE: Splitting Department of Chemistry & Physics into Department of Chemistry & Biochemistry and the Department of Physics & Astronomy

SPONSOR(S): K. Magee-Sauer & Department of Chemistry & Physics

Chem = Chemistry/Bio
Phys = Physics & Astr.

DEPARTMENT: Chemistry and Physics

COLLEGE:

IF LAS CHECK ONE: ___ History/Humanities X Math/Sciences ___ Social/Behavioral Sciences

Check One: ___ Undergraduate ___ Graduate

The attached *NEW PROGRAM/MAJOR PROGRAM REVISION/PROGRAM NAME CHANGE* proposal is best described by the item(s) checked.

- New degree program
- New Certificate of Graduate Study Program
- New major
- New minor
- New concentration, specialization, or track
- Major changes to degree requirements, major, minor, or certificate program.
- Changes to name of college, school, department or degree
- Quasi Curricular

DEPARTMENT

(Signature indicates approval)

Dept. Curriculum Chair / Date

Charles W. Schulte 10/19/01

Dept. Chairperson / Date

Edward V. Flynn 10/17/01

ACADEMIC DEAN (& Graduate Dean, for New Graduate Programs Only)

Approved Not Approved _____ Comments:

Academic Dean's Signature/Date [Signature] 10/20/01

Graduate Dean's Signature/Date _____

COLLEGE CURRICULUM COMMITTEE

Approved Not Approved _____

Comments:

Signature of College Chair/Date: [Signature] 2-1-02

UNIVERSITY CURRICULUM COMMITTEE

Date of Open Hearing (if necessary) 2/26/02 Approved Not Approved _____

Comments:

Curriculum Chair Signature/Date [Signature]

Date voted upon at Senate (if necessary) 3/26/02 Approved Not Approved _____

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): _____ Executive VP/Provost Signature/Date [Signature]
12-17-02

REGISTRAR

Date Approved Course Description Received _____ Hegis Taxonomy & Course Number Assigned _____

Registrar Signature/Date [Signature] 12/20/02

NOTIFICATION FORWARD

Senate Curriculum Committee Chairperson Academic Dean(s) Registrar Sponsor(s) [Signature]
CAP
Inst. Research
TM - 1/2/03

Change of Name of a Department (Split Department into two separate departments)

1. Details:

a. Change Requested:

FROM: Department of Chemistry and Physics (one department)

TO: (two departments)

Department of Chemistry & Biochemistry

and

Department of Physics & Astronomy

b. Sponsor(s): Department of Chemistry and Physics

2. Rationale:

a. Need for change:

The Department of Chemistry and Physics is one department based first on historical reasons and later on issues of space (i.e. no room for another department office in Bosshart), funding, and inertia.

However, the departments are in reality separate with a healthy number of faculty and student FTEs (Chemistry & Biochemistry: 10 full-time faculty, Physics & Astronomy: 10 full-time faculty). We propose to split the department into two separate departments when we move into the new building. The new building, in fact, was planned de facto to this split. There is a department office for physics, chemistry and biology, all housed in a department chair suite.

It is unusual for a university the size of Rowan to not have separate chemistry and physics departments and implies that our programs are not developed or extensive.

See attached for the budgetary impact.

b. Statements of curricular effect:

Chemistry will administer the B.S. Chemistry, Minor in chemistry, B.S. Biochemistry programs.

Physics will administer the B.S. Physics, Minor in Physics programs.

The B.S. in Physical Sciences will continue to be an interdisciplinary program between Chemistry and Physics. The advisor/coordinator for this program will be shared between the departments and faculty advisor/coordinators will be assigned on a rotating basis.

3. Results of Consultation:

a. Dr. Andrew Prieto, Biological Sciences

Budgetary Impact due to Department Split

Facts:

1. The Biochemistry program is owned completely by the Chemistry section but does have biology courses in the curriculum. It is not an interdisciplinary program controlled by both departments.
2. The total budget for both departments will not change. Presently we have four accounts: Department account, Chemistry lab account, Physics lab account and Biochemistry lab account. The budget for the Department account will be split down the middle exactly. Chemistry will keep the Chemistry and Biochemistry lab accounts with no changes in the budget. Physics will keep the Physics lab account with no changes in the budget either. Thus, the department budgets will not add a burden to the university.

Additional resources:

1. There will be a new secretary at level 3, same level as present secretary. There is the possibility that the two departments would have to share the present secretary for awhile since it may not be possible to hire a new secretary at level 3 next year or even the year after. The second possibility may require the upgrading of the present secretary to level 2.
2. An additional department chair where there was only one. At the moment administration of the department requires 18 hours of release time (12 for chair, 3+3 for associate chairs one for each section). With two departments, release time will go to 24 hours, 12 for each department chair. Thus, the net increase is 6 hours of release time.
3. No other major resources will be required in the immediate future.



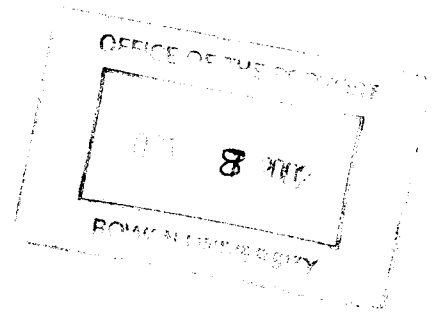
Biological Sciences

TO: Karen Magee-Sauer, Chemistry & Physics
FROM: Dr. Andy Prieto, Chairperson, Biological Sciences
DATE: December 17, 2001
RE: Proposed Change

The Biological Sciences Department has reviewed the curriculum proposal to split the Department of Chemistry & Physics into two separate departments. We endorse and recommend you proposed name change.



*College of Liberal Arts and Sciences
Office of the Dean*



MEMORANDUM

TO: Helen Giles-Gee, Provost
FROM: J.A. Harper, Dean *JH*
DATE: October 4, 2002
SUBJECT: Split of Chemistry/Physics

As you recall at our last meeting I stated that my analysis of the financial impact of the Chemistry and Physics split was in error because I counted only full time faculty. The split using that scenario would result in ten faculty in both departments. Each split department however, would have an additional full time AFT professional Jon Foglein in Chemistry and Ron Bruner in Physics. Physics would also have the new planetarium director in their count. The resulting impact would be an increase of three additional total credit hours of release time compared to the existing amount. Please see the accompanying memo for a detailed analysis.

I have also talked with both the Economics and Political Science departments. There is no sentiment in either department for a merger. The arguments against are philosophical and disciplinary based. I am convinced that forcing a merger would provide little increase in resources and ultimately cost more than any potential benefits.

JAH/jds

Enc.



College of Liberal Arts & Sciences

To: Helen Giles-Gee, Provost
From: Robert Newland, Interim Associate Dean
Subject: Split of Chem/Phys
Date: Oct 4, 2002

Below is a released time analysis showing the consequences of splitting the Chemistry and Physics Department into two departments. There is a net change of 3 load hours upward. The load hours come from the Academic Management Memo of April 1, 1989. From the chart it is easy to see that the combined department required much time for management and this time was distributed to allow leadership training to occur. In the new scenario each Chair will have to ensure such training continues. There will be sufficient advising/admin time to take care of students' needs in each new department even though it appears that less time will be available. Both departments have already made appropriate plans in this vital area.

Each new department receives 12/year for the Chair because each has 10 faculty plus sufficient adjuncts to add one more FTE. Both departments have AFT staff as well. Since the old Chair received 18 and the two new Chairs receive 12 each there is an increase of 6. This is offset by a reduction of 3 in the Additional Academic Management Time. The combined department had in excess of 22 FTEq faculty and received 9 hours but the two new departments receive only 3 each since they both fall in the 8-14 FTEq Faculty. The net increase is 3 load hours.

Chemistry and Physics transition to separate departments

Time assignments

	OLD Chem/Phys	NEW Chem/Biochem	NEW Phys/Astron
Chair	12	12	12
Chem section head	3	0	0
Phys section head	3	0	0
Advising	3	3	0
Administrative time	9	3	3
Total	30	18	15
Grand total old vs new	30		33



*College of Liberal Arts and Sciences
Office of the Dean*

MEMORANDUM

To: Helen Giles-Gee ~~Provost~~
From: J. A. Harper, Dean *JH*
Re: Splitting of Departments of Chemistry and Physics
Date: September 18, 2002

In response to the questions you posed regarding the possible reorganization of some departments within the College of Liberal Arts and Science.

1. There will be no immediate financial impact as result of the split. Release time for administrative and advising would be split evenly. The faculty in these two departments are extremely active in grant writing, and a split will result in two cost centers with separate departmental reports. The clerical workload might soon justify separate secretaries.

2. There will be ten FTE in each department.

Chemistry

Koch, Cherie
Leder, George
Ramanujachary, Kandalam
Newland, Robert
Schultz, Charles
Seymore, Sean
Stephans, Lori
Yang, Catherine
New Biochemist
New Physical Chemist

Physics

Farnelli, Donald
Flores, Eduardo
Guerra, Erik
Hettinger, Jeffrey
Klassen, David
Knoesel, Ernst
Ling, Hong
Lofland, Samuel
Magee-Sauer, Karen
New Physicist-Optics

3. Our two smallest departments are Political Science with four tenure track faculty and Economics with five tenure track faculty.

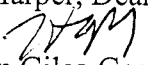
4. There is apparently some history that at one time these two departments were combined. I have been informally discussing the possibility of a merger hoping to get some buy in from the faculty. I planned to have formal discussions this year.

5. There would obviously be a need for only one secretary if Economics and Political Science were combined. The second secretarial position would hopefully be reassigned to a higher need area within the College.



Office of the Executive Vice President / Provost

September 11, 2002

TO: Jay Harper, Dean, College of Liberal Arts & Sciences
FROM:  Helen Giles-Gee, Provost
RE: Splitting Department of Chemistry & Physics into Department of Chemistry & Biochemistry and the Department of Physics and Astronomy

Per our conversation, I request receipt of the following information prior to decision-making regarding the splitting of the departments:

1. What will be the financial impact of the split?
2. What will be the FTE faculty number within the departments?
3. Identify other departments with few faculty.
4. What is your plan to bring some of these departments together?
5. What could be the savings from these mergers?

We will meet to discuss this issue again after you have provided me with the requested information.

Thank you

mc

RECEIVED BY:

SEP 17 2002

COLLEGE OF
LIBERAL ARTS & SCIENCES