

**University of Wisconsin Oshkosh**

**Form C** (Effective February 2003)

**ACADEMIC PROGRAM ACTION ROUTING SHEET\***

For New or Revised Plan (Major/Minor/Emphasis/Option/Certification)

**NEW (Attach appropriate UW System documentation)**

**REVISION - Check all that apply**

- Plan Title (include new 30 -character abbreviation)
- Units (credits)
- Required Course
- Elective
- Discontinuance of Academic Plan (attach a rationale statement which addresses changes which have occurred in Plan, faculty expertise, enrollment trends, availability of resources, and/or foci of the discipline)
- Other

**Undergraduate**

X Plan (Major): Chemistry

X Emphasis within Major: Biomolecular Science

Option within Major Emphasis: \_\_\_\_\_

Plan (Minor): \_\_\_\_\_

Emphasis within Minor: \_\_\_\_\_

Option Within Minor Emphasis: \_\_\_\_\_

Professional Core (COBA/CON/COEHS): \_\_\_\_\_

**Graduate**

Plan (Program): \_\_\_\_\_

Option within Program: \_\_\_\_\_

**Effective Date:** Fall 2008 (Year)

**Type of Action Required**

- (1) Eliminate Calculus II (Math 172) as a required course for this degree.**
- (2) Change the physics requirement from: "Physics 109 and 110" to: "either Physics 107 and 108 or else Physics 109 and 110"**

**Justification of Proposed Changes**

**There is only one course in the curriculum that requires knowledge of calculus and college-level physics. That is the new course Chem 365. Qualified members of the Chemistry faculty have examined textbooks that would likely be used in this course, and have examined syllabi and example problem sets used at other Universities that offer similar courses. Members of the faculty concluded that the appropriate prerequisites for this course are Calculus I (Math 171) and either Physics 107 and 108, or else Physics 109 and 110.**

**The Chemistry faculty believe that these changes are appropriate because the target audience for this program are students who have identified themselves as pre-professional students, but have not chosen a specific major. As pre-professional**

students, members of the group are generally advised to take one semester of calculus, and are specifically advised to take the Physics 107-108 sequence. (N.B., the catalog descriptions of Physics 107 and 108 clearly indicates that this is the physics sequence that is normally taken by pre-professional students.) The proposed change is consistent with this.

It is important to note that pre-professional students often take courses for a semester or more before they decide on a “proper” major. As a result, some of these students take Physics 107 (and sometimes 108) before they seriously consider enrolling in the Biomolecular Emphasis. For obvious reasons, they will be reluctant to choose this major because they will have to take another year of Physics. In truth, either Physics sequence is adequate for Chemistry 365, which is the only course in this curriculum that has a physics prerequisite. The effect of allowing this Physics change will be to (1) give pre-professional students more options in choosing a “proper” major, and (2) increase enrollment in the Biomolecular Science program.

For a new undergraduate or graduate Plan or a change in an existing undergraduate or graduate plan, provide classification and funding source information.

Plan classification: I \_\_\_ II X  
Funding Source: New GPR \_\_\_ Extramural \_\_\_ Base Reallocation \_\_\_  
Redeployment \_\_\_ Enrollment \_\_\_ No Change X

Classification I: A Plan with significant implications for UW System resource requirements or for interinstitutional planning.

Classification II: A Plan with minimal implications for UW System resource requirements or for interinstitutional planning.

**-Continued on other side-**

**FORM C: ACADEMIC PROGRAM ACTION ROUTING SHEET\* -SIDE 2**

**Does this change or impact the requirements for the existing Plan (Major/Minor/Emphasis/Option/Certification)?**

- No  Yes- Please explain:

*There are no changes, except as described above.*

**If change impacts a Plan (Major/Minor/Emphasis/Option/Certification) outside the initiating unit, have these units been contacted?**

- No  Yes- Please list:

NA

*Prior to the initiation of the approval process, please contact the Registrar's office at 3007 for consultation about possible impact of proposed changes.*

**Registrar:** \_\_\_\_\_  
**Date:** \_\_\_\_\_

**APPROVALS\*\***

Department Chair(s): \_\_\_\_\_ Date: \_\_\_\_\_  
Division Chair: \_\_\_\_\_ Date: \_\_\_\_\_  
Curriculum Committee: \_\_\_\_\_ Date: \_\_\_\_\_  
Dean/College: \_\_\_\_\_ Date: \_\_\_\_\_  
Graduate Studies: \_\_\_\_\_ Date: \_\_\_\_\_  
APGES Committee Chair (if applicable): \_\_\_\_\_ Date: \_\_\_\_\_  
APC Committee Chair: \_\_\_\_\_ Date: \_\_\_\_\_  
Provost and Vice Chancellor: \_\_\_\_\_ Date: \_\_\_\_\_  
Chancellor: \_\_\_\_\_ Date: \_\_\_\_\_

\* Refer to UW Oshkosh Academic Program Change Matrix in Faculty Handbook for information about forms and routing instructions.

\*\* For a new Plan, or change in an existing Plan, approval indicates no duplication of other Plans at the University and consultation with other Deans as appropriate. For discontinuance of an academic Plan, consultation with other relevant Deans is necessary.