# Bachelor of Science--Chemistry/Pre-pharmacy Track-PrgRsv-2017-12-06

- The workflow icon is no longer available. Please click on the Page Status after the orange circle icon near the page title. *

Form Information

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**The page you originally access is the global template version.  To access the template document that progresses through the workflow, please complete the following steps:**

**First Step**: <u>**ONLY**</u> change the text in the [brackets] so it looks like this: **CRIM 101 Intro to Criminology-CrsRvs-2015-08-10**

- *<u>If DUAL LISTED list BOTH courses in the page title</u>*

**Second Step:**  Click **"SAVE"** on bottom right

- *<u>DO NOT TYPE ANYTHING INTO THE FIRST PAGE OTHER THAN THE TEXT IN BRACKETS</u>*
- *<u>Please be sure to remove the Brackets while renaming the page</u>*

**Third Step:** Make sure the word *<u>DRAFT</u>* is in yellow at the top of the proposal

**Fourth Step**: Click on "<u>**EDIT CONTENTS**</u>"(*not EDIT*) and start completing the template.  When exiting or when done, click **"SAVE"** (*not Save Draft*) on bottom right

When ready to submit click on the workflow icon and hit approve.  It will then move to the chair as the next step in the workflow.
*Indicates a required field

| Proposer* | Ronald See | Proposer Email* | rfsee@iup.edu |
|---|---|---|---|
| Contact Person* | Ronald See | Contact Email* | rfsee@iup.edu |
| Proposing Department/Unit* | Chemistry | Contact Phone* | 7-4489 |

| Program Revision Options (Check all that apply) |
|---|
| Program Revision<br><br>* Teacher Education: Please complete the Teacher<br>   Education section of this form (below)<br><br>* Liberal Studies: Please complete the Liberal Studies<br>   section of this form (below) |

| Program Level:* | undergraduate-level |
|---|---|

| Rationale for Proposed Changes | |
|---|---|
| **(A) Why is the program being revised?*** | To add PHIL 130 (Medical Ethics) as an option for the LS Philosophy/Religious Studies requirement. |

| (B) Identify <u>ALL Program Level</u> Student<br><br>**Learning Outcomes (PSLO)**<br><br>**Indicate any SLOs that have be changed**<br><br>**highlighting them in red.\***<br><br>• Outcomes must be measurable<br>• 4-6 outcomes recommended for degree programs<br>• Tracks, concentrations, certificates must have at least one outcome that is unique from a related degree program<br>• Minors and majors may share outcomes<br>• PLSLOs will be evaluated as part of the program's assessment plan | **Students will be able to:** | | |

**Students will be able to:**

| # | Outcome | How outcome measured |
|---|---------|---------------------|
| 1 | Find a position in the chemical industry, government, or graduate or professional school. | Tracking of programs graduates into employment, graduate or professional school. |
| 2 | Apply successfully to a pharmacy (Pharm.D.) program, and be well prepared for the courses you will take in pharmacy school. | Tracking of students applying to medical school, and the progress of those students accepted into pharmacy school. |
| 3 | Analyze data and make scientific arguments to apply, analyze and synthesize information from multiple sub-disciplines within chemistry. | Successful completion of upper-level CHEM/BIOC courses, scores on DUCK exam. |
| 4 | Solve complex, multi-step problems, using problem-solving strategies learned in the classroom and in the lab. | Successful completion of upper-level CHEM/BIOC courses, scores on DUCK exam. |
| 5 | Demonstrate effective and safe chemistry laboratory skills, and be able to use the methods and instrumentation of modern chemistry. | Successful completion of upper-level CHEM laboratory courses. |
| 6 | Evaluate novel scientific results, self-direct your activities and apply your knowledge and skills in or out of the laboratory. | Successful completion of CHEM 390 and 490 courses. |

| (C) Implications of the change on the program, other<br><br>   programs and the Students:\* | PHIL 130 is a very appropriate option for pre-pharmacy students. |
|---|---|

| **Program Information** | |
|---|---|
| **(D) Current Program Title\*** | Bathelor of Science - Chemistry/Pre-pharmacy Track |
| **Proposed Program Title**<br><br>*(if changing)* | no change |
| **(E) Current Narrative**<br><br>**Catalog Description**<br><br>*If copying pasting from current catalog entry, please paste into Word or Notepad first to eliminate potential issues with formatting or special characters in the text.* | UG Course Catalog: http://www.iup.edu/registrar/catalog/<br><br>Grad Course Catalog:http://www.iup.edu/graduatestudies/catalog/<br><br>The Pre-medical and Pre-pharmacy Tracks of the BS degree allow students to take all courses required for entrance into their intended professional health program, and gives them the flexibility to tailor their program to meet their individual needs. Students in these tracks retain the option of: (a) attending medical or pharmacy school, (b) attending graduate school in chemistry, biochemistry, pharmacology, or a variety of medically-related PhD programs, (c) employment in the chemistry or pharmaceutical industry. Additionally, the flexibility of these tracks allows students to change the focus of their degree program during their undergraduate experience. |
| **Proposed Narrative**<br><br>**Catalog Description**<br><br>*(if changing)* | no change |

| (F) Current and Proposed Program Requirements | Attach a Word document showing a side-by-side comparison of the current and proposed program requirements. Please clearly label the attachment as Program Requirements. |
|---|---|

| | File | Modified |
|---|---|---|
| | Microsoft Word Document Program Requirements chem pre pharm 2017.docx | Dec 06, 2017 by Ronald F. See |

| (G) Supporting Documents* | Are you making a major change?<br><br> NO <br><br><br>If making a major change, please attach a document with a summary of any/all changes.<br><br>Please clearly label the attachment as Supporting Documentation. |
|---|---|

| | File | Modified |
|---|---|---|
| | Microsoft Word Document Program Requirements chem pre pharm 2017.docx | Dec 06, 2017 by Ronald F. See |

## Liberal Studies Section

*- Complete this section only for a new Liberal Studies course or Liberal Studies course revision*

| If Completing this Section, Check the Box to the Right: | **NOTE: you must check this box if the Course/Program has previously been approved for Liberal Studies** |
|---|---|

| Liberal Studies Course Designations (Check all that apply) | |
|---|---|
| **Learning Skills:** | |
| **Knowledge Area:** | |
| | |
| | |
| **Liberal Studies Elective** | *Please mark the designation(s) that apply - must meet at least one* |
| **Expected Undergraduate Student Learning Outcomes (EUSLOs)** | *Describe how each Student Learning Outcome in the course enables students to become Informed Learners, Empowered Learners and/or Responsible Learners*<br><br>*See http://www.iup.edu/WorkArea/DownloadAsset.aspx?id=181694* |
| **Description of the Required Content for this Category** | *Narrative on how the course will address the Selected Category Content* |
| **All Liberal Studies courses are required to include perspectives on cultures and have a supplemental reading. Please answer the following questions.** | |

| | |
|---|---|
| **Liberal Studies courses must include**<br><br>**the perspectives and contributions**<br><br>**of ethnic and racial minorities and**<br><br>**of women whenever appropriate to**<br><br>**the subject matter.  Please explain**<br><br>**how this course will meet this**<br><br>**criterion.** | |
| **Liberal Studies courses require the**<br><br>**reading and use by students of at**<br><br>**least one non-textbook work of**<br><br>**fiction or non-fiction or a collection**<br><br>**of related articles.  Please describe**<br><br>**how your course will meet this**<br><br>**criterion.** | |

## Teacher Education Section

*- Complete this section only for a new Teacher Education course or Teacher Education course revision*

| | |
|---|---|
| **If Completing this Section,**<br><br>**Check the Box to the Right:** | **NOTE: you must check this box if the Course/Program has previously been approved for Teacher Education related items** |
| **Course Designations:** | |
| **Key Assessments** | |
| | For both new and revised courses, please attach (see the program education coordinator):<br><br>• The Overall Program Assessment Matrix<br>• The Key Assessment Guidelines<br>• The Key Assessment Rubric<br><br><table><tr><th>File</th><th>Modified</th></tr><tr><td>Microsoft Word Document Program Requirements chem pre pharm 2017.docx</td><td>Dec 06, 2017 by Ronald F. See</td></tr></table><br>• Drag and drop to upload or browse for files |
| **Narrative Description of the**<br><br>**Required Content** | *How the proposal relates to the Education Major* |

Please scroll to the top and click the Page Status if you are ready to take action on the workflow.
Please submit an ihelp if you have any questions http://ihelp.iup.edu