55. Change in Curriculum

**College of Science**
- Department of Chemistry
- BS in Chemistry - Biological Chemistry Track
Change in Curricula
CHANGE IN CURRICULUM

COLLEGE OF SCIENCE
DEPARTMENT OF CHEMISTRY
BS IN CHEMISTRY – BIOLOGICAL CHEMISTRY TRACK
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type: ☑ Undergraduate □ Graduate □ First Professional (e.g., DVM, JD, MD, etc.)

2. Request change for: ☑ Degree Program □ Minor □ Certificate

3. Request submitted by (Department or Program Name): Chemistry

Program Designation and Name
(e.g., B.A. in History, Minor in History, Certificate in European Union): BS CHEM BCT Biological Chemistry Track

5. Brief description of change: Addition of CHEM318 (1) laboratory as a requirement and removal of one elective hour

6. Rationale for change: BS students need the skills learned in the analytical laboratory for success in upper level laboratories and research

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached. See BS in CHEM ☑ Yes □ No

b. Current catalog curriculum with handwritten edits attached. See BS in CHEM. ☑ Yes □ No

c. Current Howdy degree evaluation with handwritten edits attached. See BS in CHEM. ☑ Yes □ No

Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes? □ Yes ☑ No

b. If yes, degree program hours will change from: ________ to: ________

c. If yes, is the Texas Higher Education Coordinating Board form attached? http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBFF01D60 ☑ Yes □ No

9. If proposed changes affect other unit(s), are letters of support attached? □ Yes ☑ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

Department Head or Program Chair (Type Name & Sign) Date

Dean of College Date

Chair, College Review Committee Date

Chair, GC or UCC Date

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra.williams@tamu.edu
Curricular Services – 04/14
September 26, 2014

To: Dr. Timothy Scott  
Chair, Undergraduate Programs Committee  
College of Science

Through: Dr. David Russell  
Head, Department of Chemistry

From: Dr. Holly C. Gaede  
Chair, Undergraduate Curriculum Committee  
Department of Chemistry

The Department of Chemistry proposes an updated curriculum for BS degrees for TAMU Catalog 138. We would like to add an additional requirement, CHEM318 Quantitative Analysis Laboratory, a one-credit hour course. We also request to decrease the number of elective hours by one, so that the proposed change will not change the number of required hours for the degree.

We request this change be implemented for the BS degree, as well as the two tracks DS-DCT (BS with a concentration in biological chemistry) and BS-ECT (BS with a concentration in environmental chemistry).
**Detail Requirements**

Information for **Degree Evaluation**

This is NOT an official evaluation.

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**Program Evaluation**

- **Limitation** Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

- **Limitation** Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

- **Limitation** Only 1 course from MATH 151, 171 may be used in this degree program.

- **Limitation** Only 1 course from MATH 152, 172 may be used in this degree program.

- **Limitation** Maximum of 4 hours of CHEM 101, 103, 107, 111, 113 may be used in this degree program.

- **Limitation** Maximum of 4 hours of CHEM 102, 104, 112, 114 may be used in this degree program.

- **Limitation** Maximum of 15 hours of CHEM 489, 491 may be used in this degree program.

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**Program:** BS CHEM - Biological Chemistry  
**Catalog Term:** Fall 2014 - College Station  
**Evaluation Term:** Summer 2014 - College Station  

**Campus:** College Station  
**College:** Science

**Degree:** Bachelor of Science

**Level:** Undergraduate

**Major:** Chemistry

**Departments:** Chemistry

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### Met Credits Courses

<table>
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<th>Requirement</th>
<th>Credits</th>
<th>Used</th>
<th>Required</th>
<th>Used</th>
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<td>No</td>
<td>120.00</td>
<td>0.00</td>
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<td>Program GPA</td>
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<td>.00</td>
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<td>Overall GPA</td>
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**Other Course Information**

**Transfer:**

0.000 0

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This is NOT an official evaluation.

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**Area Major Coursework (64.000 credits) - Not Met**:

**Met**  
**Condition**  
**Rule**  
**Subject**  
**Attribute**  
**Low High**  
**Required Credits**  
**Required Courses**  
**Term Subject Course Title Attribute Credits Grade Source**

- **No AND** A. Chemistry I Rqmt 3hrs
  - Complete 1 of the following:
    - a. 3hrs. Take CHEM 101.
    - b. 3hrs. Take CHEM 103.
    - c. 3hrs. Take CHEM 107.

- **No AND** B. Chemistry II Rqmt 4hrs
  - Complete 1 of the following:
    - a. 4hrs. Take CHEM 102.
    - b. 4hrs. Take CHEM 102, 112.
    - c. 4hrs. Take CHEM 104, 114.

- **No AND** C. CHEM 100
- **No AND** D. CHEM 227
- **No AND** E. CHEM 228
- **No AND** F. CHEM 231
- **No AND** G. CHEM 234
- **No AND** H. CHEM 315

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Add CHEM 318 1 hr
unofficial evaluation

Area Supporting Coursework (11.060 credits) - Not Met:

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<th>Rule</th>
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<th>Low High</th>
<th>Required Credits</th>
<th>Required Courses</th>
<th>Term Subject</th>
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<th>Grade</th>
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<td>B.</td>
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<td>112</td>
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<td>No</td>
<td>AND</td>
<td>C.</td>
<td>Genetics</td>
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Total Credits and GPA 0.000 0.00

unofficial evaluation

Area Communication (6.000 credits) - Not Met:

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<td>AND</td>
<td>B.</td>
<td>Communication</td>
<td>Rqmt</td>
<td>3 hrs</td>
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Select from any course with the [KCOM] attribute.

Total Credits and GPA 0.000 0.00

unofficial evaluation

Area Mathematics (15.000 credits) - Not Met:

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<td>AND</td>
<td>B.</td>
<td>MATH</td>
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<td>No</td>
<td>AND</td>
<td>C.</td>
<td>MATH</td>
<td>221</td>
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<td>No</td>
<td>AND</td>
<td>D.</td>
<td>Statistics</td>
<td>Rqmt</td>
<td>3 hrs</td>
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Select from STAT 211, 302.

Total Credits and GPA 0.000 0.00

unofficial evaluation

https://howdy.tamu.edu/under_user/synufRootNode1/P?IP_param=url%2fuser%2fip%2flogin%3fsys%3dctcssh%26url%3dhttps://compass-ssb.tamu.edu/pl... 2/5
Area Life and Physical Sciences (9.000 credits) - Not Met

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<th>Required Credits</th>
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<th>Course Title</th>
<th>Attribute Credits</th>
<th>Grade Source</th>
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<td>CHEM</td>
<td>Lab Rqmt 1hr</td>
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<td>Select from CHEM 111, 113, or 117</td>
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<td>No</td>
<td>AND</td>
<td>Physics</td>
<td>Rqmt I 4hrs</td>
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<td>Take PHYS 218</td>
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<td>AND</td>
<td>Physics</td>
<td>Rqmt II 4hrs</td>
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<td>Select from PHYS 208, 219</td>
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Total Credits and GPA 0.000 .00

unofficial evaluation

Area Language, Philosophy & Culture (3.000 credits) - Not Met

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<th>Required Credits</th>
<th>Required Courses</th>
<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute Credits</th>
<th>Grade Source</th>
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<td>A.</td>
<td>Lang, Phil, Culture</td>
<td>Rqmt 3hrs</td>
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<td>Select any course with the Language, Philosophy and Culture attribute [KLPC].</td>
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Total Credits and GPA 0.000 .00

unofficial evaluation

Area Creative Arts (3.000 credits) - Not Met

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<th>Condition</th>
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<th>Subject</th>
<th>Attribute Low High</th>
<th>Required Credits</th>
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<th>Attribute Credits</th>
<th>Grade Source</th>
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<td>Creative Arts</td>
<td>Requirement</td>
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<td>Select three hours from any course with the Creative Arts attribute [KCRA].</td>
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Total Credits and GPA 0.000 .00

unofficial evaluation

Area Social and Behavioral Sciences (3.000 credits) - Not Met

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<th>Condition</th>
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<th>Attribute Low High</th>
<th>Required Credits</th>
<th>Required Courses</th>
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<th>Course Title</th>
<th>Attribute Credits</th>
<th>Grade Source</th>
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<tr>
<td>No</td>
<td>A.</td>
<td>Social Science</td>
<td>Rqmt 3hrs</td>
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<td>Select from courses with the Social and Behavioral Science attribute [KSO C].</td>
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</table>

Total Credits and GPA 0.000 .00

unofficial evaluation

Area: Citizenship (12.000 credits) - Not Met

Description: Completion of 4 semesters of Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.

<table>
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<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute Low High</th>
<th>Required Credits</th>
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<td>American History</td>
<td>Rqmt 6hrs</td>
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<td>Select from any course with the [KH15] attribute.</td>
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<td>No</td>
<td>AND</td>
<td>Political Science</td>
<td>Rqmt 6hrs</td>
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<td>Take POLS 206 and POLS 207.</td>
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unofficial evaluation

**Area General Electives (4.00 credits) - Not Met**

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</table>

Select from any 100-499 course not used elsewhere (except BIOL 101-110; CHEM 101-102, 111-112, 222, 242; ENGL 100-103; ENGR 101-102; MATH 100-120, 130-131, 141-142, 150, 165-166; KINE 100-152; PHYS 101-216; AERS 160-499; MLSC 100-499; NVSC 100-499).

Total Credits and GPA 0.000 .00

unofficial evaluation

**Area University Writing Requirement - Not Met**

<table>
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</table>

Two courses required. Only sections of CHEM 100-499 with the Writing attribute (UWRT) or the Oral Communication attribute (UCRT) may be used to satisfy this requirement.

Total Credits and GPA 0.000 .00

unofficial evaluation

**Area Int'l & Cult Diversity - Not Met**

<table>
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<th>Condition</th>
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Select from courses with the International and Cultural Diversity attribute (UICD) (except sections of BUSN 289 with the UWRT attribute).

Total Credits and GPA 0.000 .00

unofficial evaluation

**Area Foreign Language - Not Met**

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</table>
No A. Foreign Language Reqnt
Complete one of the following:
1. Two years of the same foreign language in High School.
2. A two semester sequence of the same foreign language for University credit.

Total Credits and GPA 0.000 .00

unofficial evaluation

Area: Residence Requirement - Not Met
Description A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&M University. 12 hours must be in the major field.

Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Courses
No A. Residence - Major 12hrs
No AND B. Residence 300-499 24hrs

Total Credits and GPA 0.000 .00

unofficial evaluation

Area: GPR-Major - Not Met
Description A GPR of 2.00 must be maintained in all major field courses.

Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Courses
No A. Major GPR 54+hrs

Includes BICH 410-411, 440-441; BIOL 111-112; CHEM 100-499; GENE 301, 320; PHYS 309.

Total Credits and GPA 0.000 .00

unofficial evaluation

Back to Display Options 3

Print