# Program Change Request

**Date Submitted:** 09/17/19 10:48 am

**Viewing:** **BS-ZOOL : Zoology - BS**

**Last approved:** 05/06/19 5:19 pm

**Last edit:** 09/17/19 10:48 am

Changes proposed by: christinefarris

## Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Christine Farris</td>
<td><a href="mailto:cfarris@bio.tamu.edu">cfarris@bio.tamu.edu</a></td>
<td>979-845-3116</td>
</tr>
</tbody>
</table>

**Academic level** Undergraduate

**Effective Term** 2020-2021

**Department** Biology

**College** Science

**Program type** Degree

**Degree designation** BS - Bachelor of Science

**With a major in** Zoology (ZOOL)

**Associated Program** Not Applicable

**Catalog Program Title** Zoology - BS

**CIP and Fund code** 26070100

## Rationale for Proposal

**Required updates for catalog/degree audit**

- **Program hours**: 120
- **Is this program eligible for financial aid?**: Yes
- **Will program hours change (increase/decrease) due to the proposed curriculum changes?**: No

**Program delivery mode** On-campus

## Catalog Program Requirements
## Plan of Study Grid

### Third Year

**Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BICH 410</td>
<td>Comprehensive Biochemistry I</td>
<td>3</td>
</tr>
<tr>
<td>or BICH 440</td>
<td>or Biochemistry I</td>
<td></td>
</tr>
<tr>
<td>BIOL 318</td>
<td>Chordate Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>STAT 312</td>
<td>Statistics for Biology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select one of the following:**

- BICH 412 Biochemistry Laboratory I
- BICH 414 Biochemical Techniques I
- BICH 432/GENE 432 Laboratory in Molecular Genetics

| General elective 6 | 6 |
| Semester Credit Hours | 17 |

**Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BICH 413</td>
<td>Comprehensive Biochemistry II</td>
<td>3</td>
</tr>
<tr>
<td>or BICH 441</td>
<td>or Biochemistry II</td>
<td></td>
</tr>
<tr>
<td>BIOL 388</td>
<td>Principles of Animal Physiology</td>
<td>4</td>
</tr>
<tr>
<td>GENE 302</td>
<td>Principles of Genetics</td>
<td>4</td>
</tr>
<tr>
<td>&amp; GENE 312</td>
<td>and Comprehensive Genetics Laboratory</td>
<td></td>
</tr>
</tbody>
</table>

| Social and behavioral science | 3 |
| Semester Credit Hours | 14 |

### Fourth Year

**Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 466</td>
<td>Principles of Evolution</td>
<td>3</td>
</tr>
<tr>
<td>POLS 206</td>
<td>American National Government S</td>
<td>3</td>
</tr>
<tr>
<td>Creative arts</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Language, philosophy and culture</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Directed elective 7, 8</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

| Electives 6 | 5 |
| Semester Credit Hours | 16 |

**Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 335</td>
<td>Invertebrate Zoology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 466</td>
<td>Principles of Evolution</td>
<td>3</td>
</tr>
<tr>
<td>POLS 207</td>
<td>State and Local Government S</td>
<td>3</td>
</tr>
<tr>
<td>Directed elective 7, 8</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

| General elective 6 | 5 |
| Semester Credit Hours | 16 |
| Total Semester Credit Hours | 63 |

6Select from any 100-499 course not used elsewhere. (Except AGLS 101; ASCC 101, ASCC 102, ASCC 289; BIMS 101; BIOL 101, BIOL 107, BIOL 113, BIOL 206; BUSN 100; CHEM 106, CHEM 116; HORT 101; MATH 102, MATH 131, MATH 142; WFSC 101.) Only one KINE 199 may be used as a general elective.

7 Select from directed elective list below.

8 Two courses in the major must be designated as writing intensive.

### Total Program Hours 120
## Directed Electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>One course may be chosen from the following:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 300-499</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OCNG 420</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>Select remaining courses from the following:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 344</td>
<td>Embryology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 413</td>
<td>Cell Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 414</td>
<td>Developmental Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 423</td>
<td>Cell Biology Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 430</td>
<td>Biological Imaging</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 434/NRSC 434</td>
<td>Regulatory and Behavioral Neuroscience</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 435</td>
<td>Laboratory for Regulatory and Behavioral Neuroscience</td>
<td>1</td>
</tr>
<tr>
<td>GENE 431/BICH 431</td>
<td>Molecular Genetics</td>
<td>3</td>
</tr>
<tr>
<td><strong>Ecology/Evolution</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 357</td>
<td>Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 358</td>
<td>Ecology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 440</td>
<td>Marine Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 467</td>
<td>Integrative Animal Behavior</td>
<td>4</td>
</tr>
<tr>
<td>GENE 412</td>
<td>Population, Quantitative and Ecological Genetics</td>
<td>3</td>
</tr>
<tr>
<td>WFSC 311</td>
<td>Ichthyology</td>
<td>3</td>
</tr>
<tr>
<td>WFSC 315</td>
<td>Herpetology</td>
<td>3</td>
</tr>
<tr>
<td>WFSC 401</td>
<td>General Mammalogy</td>
<td>3</td>
</tr>
<tr>
<td>WFSC 402</td>
<td>General Ornithology</td>
<td>3</td>
</tr>
<tr>
<td>WFSC 422</td>
<td>Ethology</td>
<td>3</td>
</tr>
<tr>
<td><strong>Physiology/Neuroscience</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 405</td>
<td>Comparative Endocrinology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 413</td>
<td>Cell Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 423</td>
<td>Cell Biology Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 434/NRSC 434</td>
<td>Regulatory and Behavioral Neuroscience</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 435</td>
<td>Laboratory for Regulatory and Behavioral Neuroscience</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 435</td>
<td>Immunology</td>
<td>3</td>
</tr>
<tr>
<td>GENE 431/BICH 431</td>
<td>Molecular Genetics</td>
<td>3</td>
</tr>
<tr>
<td>WFSC 422</td>
<td>Ethology</td>
<td>3</td>
</tr>
<tr>
<td><strong>Preveterinary Medicine</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANSC 303/NFSC 303</td>
<td>Principles of Animal Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>ANSC 320</td>
<td>Animal Nutrition and Feeding</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 351</td>
<td>Fundamentals of Microbiology</td>
<td>4</td>
</tr>
</tbody>
</table>

Additional information: 05.06.2019 - edits made to remove hyperlink to CAEN and STLC courses in footnote #6; CAEN, CAEX and STLC courses no longer exist; if department wants to enforce ASCC (new prefix), they will need to submit changes through CARS for approval.

Required Proposal Forms: [ZOOL.pdf](https://nextcatalog.tamu.edu/courseleaf/courseleaf.cgi?page=/programa...)

Reviewer Comments:
- Angel Mario Carrizales (carri1214) (09/16/19 3:31 pm): Edits made to conform to catalog style guidelines.
- Angel Mario Carrizales (carri1214) (09/16/19 3:32 pm): Rollback: Please attached an edited degree evaluation that matches the proposed catalog program requirement edits.
- Angel Mario Carrizales (carri1214) (09/19/19 5:09 pm): Curricular Services initial concerns have been addressed.
- Terra Bisset (t.bissett) (10/07/19 4:34 pm): UCC approved October 2019.
Detail Requirements

Information for Degree Evaluation
This is NOT an official evaluation.

Print Instructions

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 No more than 50% of courses required for the degree plan can be taken as Distance Education Courses for non-distance degree programs.

Limitation Only 1 hour of KINE 199 may be used in this degree program.

Limitation CAEN 001-003 may not be used in this degree program.

Limitation Only one of the following will satisfy the requirements for a degree: CHEM 101/111, CHEM 107/117, and CHEM 119.

Limitation Only one of the following will satisfy the requirements for a degree: GENE 301, GENE 302, GENE 315 and GENE 320.

Limitation Only one of the following will satisfy the requirements for a degree: MATH 131, MATH 142, MATH 147, MATH 151 and MATH 171.

Limitation Only one of the following will satisfy the requirements for a degree: MATH 140, MATH 141 and MATH 166.

Limitation Only one of the following will satisfy the requirements for a degree: MATH 148, MATH 152 and MATH 172.

Limitation Only one of the following will satisfy the requirements for a degree: MATH 221, MATH 251 and MATH 253.

Limitation Only one of the following will satisfy the requirements for a degree: MATH 304, MATH 309, MATH 311 and MATH 323.

Limitation Only one of the following will satisfy the requirements for a degree: STAT 301, STAT 302 or STAT 303.

Program : BS ZOOL
Campus : College Station
College : Science
Degree : Bachelor of Science
Level : Undergraduate
Majors : Zoology
Departments : Biology

Catalog Term :
Evaluation Term :
Expected Graduation Date :
Request Number :
Results as of :
Minors :
Concentrations :

Met Credits Courses

<table>
<thead>
<tr>
<th>Total Required</th>
<th>Required</th>
<th>Used</th>
<th>Required</th>
<th>Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>120.000</td>
<td>0.00</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Program GPA :</td>
<td>Yes</td>
<td>.00</td>
<td>.00</td>
<td></td>
</tr>
<tr>
<td>Overall GPA :</td>
<td>No</td>
<td>2.00</td>
<td>.00</td>
<td></td>
</tr>
</tbody>
</table>

Other Course Information
Transfer :

0.000 0

This is NOT an official evaluation.

Area Major Coursework (37.000 credits) - Not Met

No A. BIOL 111
Must have a grade of "C" or better.

No AND B. BIOL 112
Must have a grade of "C" or better.

No AND C. BIOL 213

Term Subject Course Title Attribute Credits Grade Source

9/13/2019, 2:37 PM
### Unofficial Evaluation

#### Area Supporting Coursework (11.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Unofficial Evaluation

#### Area Communication (6.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Unofficial Evaluation

#### Area Mathematics (10.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Unofficial Evaluation

#### Area Life and Physical Sciences (24.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Select PHYS 201.

No AND B. Physics Reqmt II 4hrs
  Select PHYS 202.

No AND C. CHEM 119 4hrs
No AND D. CHEM 120 4hrs
No AND E. CHEM 227 3hrs
No AND F. CHEM 228 3hrs
No AND G. CHEM 237 1hr
No AND H. CHEM 238 1hr

Total Credits and GPA 0.000 .00

unofficial evaluation

| Area: Language, Philosophy & Culture (3.000 credits) - Not Met |
| Condition Rule Subject Attribute Low High Required Credits Required Courses Term Subject Course Title Attribute Credits Grade Source |
| No | A. Lang, Phil, Culture Reqmt 3hrs |
  Select any course with the Language, Philosophy and Culture attribute [KLPC]. |

Total Credits and GPA 0.000 .00

unofficial evaluation

| Area: Creative Arts (3.000 credits) - Not Met |
| Condition Rule Subject Attribute Low High Required Credits Required Courses Term Subject Course Title Attribute Credits Grade Source |
| No | A. Creative Arts Requirement 3hrs |
  Select three hours from any course with the Creative Arts attribute [KCRA]. |

Total Credits and GPA 0.000 .00

unofficial evaluation

| Area: Social and Behavioral Science (3.000 credits) - Not Met |
| Condition Rule Subject Attribute Low High Required Credits Required Courses Term Subject Course Title Attribute Credits Grade Source |
| No | A. Social Science Reqmt 3hrs |
  Select from any course with the Social Science attribute [KSOC] (except ANTH 311; JOUR 401, 440; SCOM 105). |

Total Credits and GPA 0.000 .00

unofficial evaluation

| Area: Citizenship (12.000 credits) - Not Met |
| Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Credits Courses |
| No | A. American History Reqmt 6hrs |
  Select from any course with the [HIS] attribute. |

No AND B. Political Science Reqmt 6hrs |
  Take POLS 206 and POLS 207. |

Total Credits and GPA 0.000 .00
**Area: General Electives (11.000 credits) - Not Met**

<table>
<thead>
<tr>
<th>No</th>
<th>A.</th>
<th>General Electives 11hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Select any 100-499 course not used elsewhere. (except AQLS 101; BMIS 101; BIOL 107; 113, 206; BUSN 100; CHEM 105, 140, 145; 101-205; CHYM 106, 116; KORT 101; MATH 110, 140; 120, 142, 200; WESC 101) Only one KINE 199 may be used as a General Elective.</td>
</tr>
</tbody>
</table>

**Total Credits and GPA**: 0.000 .00

---

**Area: University Writing Requirement - Not Met**

<table>
<thead>
<tr>
<th>No</th>
<th>A.</th>
<th>Writing Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Two courses required. Only sections of BIOL 100-499 courses with the Writing attribute [UWRT] or the Communication attribute [UCRT] may be used to satisfy this requirement. BIOL 491 may only be used with professor approval.</td>
</tr>
</tbody>
</table>

**Total Credits and GPA**: 0.000 .00

---

**Area: Int'l/Cult Div/Cult Discourse - Not Met**

<table>
<thead>
<tr>
<th>No</th>
<th>A.</th>
<th>Int &amp; Cultural Diversity 3hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>3 hours required. Select from courses with the International and Cultural Diversity attribute [KICD].</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>No</th>
<th>AND</th>
<th>B.</th>
<th>Cultural Discourse 3hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>3 hours required. Select from courses with the Cultural Discourse attribute [KUCD].</td>
</tr>
</tbody>
</table>

**Total Credits and GPA**: 0.000 .00

---

**Area: Foreign Language - Not Met**

<table>
<thead>
<tr>
<th>No</th>
<th>A.</th>
<th>Foreign Language 3hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total Credits and GPA**: 0.000 .00
Detail Requirements

A. Foreign Language Rqmt
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.

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.

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

Credits Courses

No A. Residence - Major 12hrs
Select from BIDL 300-400; ANSC 303, 320; GENE 412, 431; NFSC 303; WIFSC 311, 315, 401, 402, 422.

No AND B. Residence 300-499 24hrs

unofficial evaluation

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

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

Credits Courses

No A. Major GPR 37+hrs
Includes BIDL 100-499 (except BIDL 101, 107, 206); ANSC 303, 320; GENE 303, 400-499; NFSC 303; OCNG 420; WIFSC 311, 315, 401, 402, 422.

unofficial evaluation

Back to Display Options