Code # SM30 (2015)

**Bulletin / Banner Change Transmittal Form**

**Undergraduate Curriculum Council** Print 1 copy for signatures and save 1 electronic copy.

**Graduate Council** - Print 1 copy for signatures and send 1 electronic copy to [pheath@astate.edu](mailto:pheath@astate.edu)

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| --- | --- |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **Department Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **COPE Chair (if applicable)** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **Department Chair:** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **General Education Committee Chair (If applicable)** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **College Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Undergraduate Curriculum Council Chair** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **College Dean** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Graduate Curriculum Committee Chair** |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Vice Chancellor for Academic Affairs** |

**1.Contact Person** (Name, Email Address, Phone Number)

Dr. Thomas Risch, [trisch@astate.edu](mailto:trisch@astate.edu), 972-3082

**2.Proposed Change**

Change name of degree program from Wildlife Ecology and Management to Wildlife Fisheries and Conservation.

**3.Effective Date**

8/16/2016

**4.Justification –** *Please provide details as to why this change is necessary.*

The degree program is being divided into two emphasis areas, and the new name better describes this change. This is part of improvements to the degree that will better prepare our students for future employment as well as promote a relationship with the Fisheries program at A-State Mountain Home campus.

**Bulletin Changes**

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| **Instructions** |
| **Please visit** [**http://www.astate.edu/a/registrar/students/bulletins/index.dot**](http://www.astate.edu/a/registrar/students/bulletins/index.dot) **and select the most recent version of the bulletin. Copy and paste all bulletin pages this proposal affects below. Follow the following guidelines for indicating necessary changes.**  **\*Please note: Courses are often listed in multiple sections of the bulletin. To ensure that all affected sections have been located, please search the bulletin (ctrl+F) for the appropriate courses before submission of this form.**  - Deleted courses/credit hours should be marked with a red strike-through (~~red strikethrough~~)  - New credit hours and text changes should be listed in blue using enlarged font (blue using enlarged font).  - Any new courses should be listed in blue bold italics using enlarged font (***blue bold italics using enlarged font***)  *You can easily apply any of these changes by selecting the example text in the instructions above, double-clicking the ‘format painter’ icon 🡪 , and selecting the text you would like to apply the change to.*  *Please visit* [*https://youtu.be/yjdL2n4lZm4*](https://youtu.be/yjdL2n4lZm4) *for more detailed instructions.* |

**~~Major in Wildlife Ecology and Management~~**

~~Bachelor of Science~~

~~A complete 8-semester degree plan is available at http://registrar.astate.edu/.~~

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| **~~University Requirements:~~** | |
| ~~See University General Requirements for Baccalaureate degrees (p. 41)~~ | |
| ~~First Year Making Connections Course:~~ | ~~Sem. Hrs.~~ |
| ~~BIO 1013, Making Connections - Biology~~ | ~~3~~ |
| ~~General Education Requirements:~~ | ~~Sem. Hrs.~~ |
| ~~See General Education Curriculum for Baccalaureate degrees (p. 83)~~  ~~Students with this major must take the following:~~  ~~MATH 1054, Precalculus Mathematics or MATH course that requires MATH 1023 as a prerequisite~~  ~~CHEM 1013 AND 1011, General Chemistry I and Laboratory~~  ~~BIO 2013 AND 2011, Biology of the Cell and Laboratory~~  ~~COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option)~~ | ~~36~~ |
| ~~Language Requirement:~~ | ~~Sem. Hrs.~~ |
| ~~A student must complete the foreign language requirements before being considered a Wildlife Ecol­ogy and Management Major. (Refer to p. 353 for foreign language requirements).~~ | |
| ~~Major Requirements:~~ | ~~Sem. Hrs.~~ |
| ~~AGST 3543, Fundamentals of GIS/GPS~~ | ~~3~~ |
| ~~BIO 1303 AND 1301, Biology of Animals and Laboratory~~ | ~~4~~ |
| ~~BIO 1503 AND 1501, Biology of Plants and Laboratory~~ | ~~4~~ |
| ~~BIO 3013 AND 3311, Genetics and Laboratory~~ | ~~4~~ |
| ~~BIO 3023, Principles of Ecology~~ | ~~3~~ |
| ~~BIO 4704, Plant Systematics~~ | ~~4~~ |
| ~~BIO 4021, Biological Seminar~~ | ~~1~~ |
| ~~Select one of the following combinations:~~  ~~BIO 4311 AND 4312, Fishery Biology and Laboratory~~  ~~BIO 4402 AND 4401, Ichthyology and Laboratory~~  ~~BIO 4603 AND 4601, Limnology and Laboratory~~ | ~~3-4~~ |
| ~~Select two of the following combinations:~~  ~~BIO 4352 AND 4351, Mammalogy and Laboratory~~  ~~BIO 4423 AND 4421, Ornithology and Laboratory~~  ~~BIO 4412 AND 4411, Herpetology and Laboratory~~ | ~~6-7~~ |
| ~~BIO 4373 AND 4371, Animal Ecology and Laboratory~~ | ~~4~~ |
| ~~BIO 4413, Wildlife Program Internship~~ | ~~3~~ |
| ~~BIO 4653 AND 4651, Wildlife Management and Laboratory~~ | ~~4~~ |
| ~~BIO 4613, Conservation Biology~~ | ~~3~~ |
| ~~BIO 4663 AND 4661, Wildlife Management Techniques and Laboratory~~ | ~~4~~ |
| ~~CHEM 1023 AND 1021, General Chemistry II and Laboratory~~ | ~~4~~ |
| ~~ENG 3043,Technical Writing~~  ~~Or communication course to be approved by advisor or chair.~~ | ~~3~~ |
| ~~MATH 2194, Survey of Calculus~~ | ~~4~~ |
| ~~POSC 4533, Environmental Law and Administration~~ | ~~3~~ |
| ~~STAT 3233, Applied Statistics I~~ | ~~3~~ |
| ~~Botany Elective~~ | ~~3~~ |
| ~~Physical Sciences Elective~~  ~~GEOL 1003 AND 1001, Environmental Geology and Laboratory OR  PSSC 2813 AND 2811, Soils and Soils Laboratory recommended.~~ | ~~4~~ |
| ~~Biology Electives~~ | ~~5-7~~ |
| ~~Sub-total~~ | ~~81~~ |
| ~~Total Required Hours:~~ | ~~120~~ |

Pages 367-368

**Major in Wildlife, Fisheries and Conservation**

Bachelor of Science

Emphasis in Fisheries

A complete 8-semester degree plan is available at http://registrar.astate.edu/.

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| --- | --- |
| **University Requirements:** | |
| See University General Requirements for Baccalaureate degrees (p. 41) | |
| First Year Making Connections Course: | Sem. Hrs. |
| BIO 1013, Making Connections - Biology | 3 |
| General Education Requirements: | Sem. Hrs. |
| See General Education Curriculum for Baccalaureate degrees (p. 83)  Students with this major must take the following:  MATH 1054, Precalculus Mathematics or MATH course that requires MATH 1023 as a prerequisite  CHEM 1013 AND 1011, General Chemistry I and Laboratory  BIO 2013 AND 2011, Biology of the Cell and Laboratory  COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option) | 36 |
| Language Requirement: | Sem. Hrs. |
| A student must complete the foreign language requirements before being considered a Wildlife Ecol­ogy and Management Major. (Refer to p. 353 for foreign language requirements). | |
| Major Requirements: | Sem. Hrs. |
| AGST 3543, Fundamentals of GIS/GPS | 3 |
| BIO 1303 AND 1301, Biology of Animals and Laboratory | 4 |
| BIO 1503 AND 1501, Biology of Plants and Laboratory | 4 |
| BIO 3013 AND 3311, Genetics and Laboratory | 4 |
| BIO 3023, Principles of Ecology | 3 |
| BIO 3033 Evolution OR BIO 4333 Marine Biology | 3 |
| Choose Two of the Following  BIO 3673 Human Dimensions of Natural Resources BIO 4613 Conservation Biology POSC 4533 Environmental Law and Administration | 6 |
| BIO 4021 Biology Seminar | 1 |
| BIO 4301 Aquatic Entomology AND BIO 4302 Aquatic Entomology Laboratory | 3 |
| BIO 4312 Fisheries Biology AND BIO 4311 Fisheries Biology Lab | 3 |
| BIO 4362 Applied Aquaculture OR BIO 4372 Applied Fisheries | 2 |
| BIO 4402 Ichthyology AND BIO 4401 Ichthyology Lab | 3 |
| BIO 4443 Fisheries Program Internship | 3 |
| BIO 4603 Limnology AND BIO 4601 Limnology Lab | 4 |
| CHEM 1023 General Chemistry II AND CHEM 1021 General Chemistry II Lab | 4 |
| MATH 2194 Survey of Calculus OR MATH 2204 Calculus I | 4 |
| PHYS 2054 General Physics I | 4 |
| PHYS 2064 General Physics II | 4 |
| STAT 3233 Applied Statistics I | 3 |
| Electives At least 3 credits must be Botany electives and at least 3 credits must be Zoology electives. | 16 |
| Subtotal | 81 |
| Total required hours | 120 |

**Major in Wildlife, Fisheries and Conservation**

Bachelor of Science

Emphasis in Wildlife

A complete 8-semester degree plan is available at http://registrar.astate.edu/.

|  |  |
| --- | --- |
| **University Requirements:** | |
| See University General Requirements for Baccalaureate degrees (p. 41) | |
| First Year Making Connections Course: | Sem. Hrs. |
| BIO 1013, Making Connections - Biology | 3 |
| General Education Requirements: | Sem. Hrs. |
| See General Education Curriculum for Baccalaureate degrees (p. 83)  Students with this major must take the following:  MATH 1054, Precalculus Mathematics or MATH course that requires MATH 1023 as a prerequisite  CHEM 1013 AND 1011, General Chemistry I and Laboratory  BIO 2013 AND 2011, Biology of the Cell and Laboratory  COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option) | 36 |
| Language Requirement: | Sem. Hrs. |
| A student must complete the foreign language requirements before being considered a Wildlife Ecol­ogy and Management Major. (Refer to p. 353 for foreign language requirements). | |
| Major Requirements: | Sem. Hrs. |
| AGST 3543, Fundamentals of GIS/GPS | 3 |
| BIO 1303 AND 1301, Biology of Animals and Laboratory | 4 |
| BIO 1503 AND 1501, Biology of Plants and Laboratory | 4 |
| BIO 3013 AND 3311, Genetics and Laboratory | 4 |
| BIO 3023, Principles of Ecology | 3 |
| Choose Two of the Following  BIO 3673 Human Dimensions of Natural Resources  BIO 4613 Conservation Biology  POSC 4533 Environmental Law and Administration | 6 |
| BIO 4021 Biology Seminar | 1 |
| Select one of the following combinations:  BIO 4311 AND 4312, Fishery Biology and Laboratory  BIO 4402 AND 4401, Ichthyology and Laboratory  BIO 4603 AND 4601, Limnology and Laboratory |  |
| Select two of the following combinations:  BIO 4352 AND 4351, Mammalogy and Laboratory  BIO 4412 AND 4411, Herpetology and Laboratory  BIO 4423 AND 4421, Ornithology and Laboratory | 6-7 |
| BIO 4373 AND 4371, Animal Ecology and Laboratory | 4 |
| BIO 4413, Wildlife Program Internship | 3 |
| BIO 4613, Conservation Biology | 3 |
| BIO 4653 AND 4651, Wildlife Management and Laboratory | 4 |
| BIO 4663 AND 4661, Wildlife Management Investigational Techniques and Laboratory | 4 |
| BIO 4704, Plant Systematics | 4 |
| CHEM 1023 AND 1021, General Chemistry II and Laboratory | 4 |
| GEOL 1003 AND GEOL 1001 Environmental Geology and Environmental Geology Lab OR PSSC 2813 AND PSSC 2811 Soils and Soils Lab | 4 |
| MATH 2194 Survey of Calculus OR MATH 2204 Calculus I | 4 |
| Electives Must include Botany and Communication electives | 15-16 |
| Subtotal | 81 |
| Total required hours | 120 |

**LETTER OF NOTIFICATION – 1**

**NAME CHANGE OF EXISTING CERTIFICATE, DEGREE, MAJOR, OPTION**

**OR ORGANIZATIONAL UNIT**

(No change in program curriculum, option/emphasis/concentration or organizational structure**)**

* 1. Institution submitting request: Arkansas State University-Jonesboro
  2. Contact person/title: Dr. Thomas Risch / Department Chair
  3. Phone number/e-mail address: 870-972-3333 / trisch@astate.edu
  4. Proposed effective date: August 16, 2016
  5. Current title of degree/certificate program: Bachelor of Science
  6. Current title of major or option/emphasis/concentration: Wildlife Ecology and Management
  7. Current title of organizational unit: Department of Biological Sciences
  8. Proposed name of certificate/degree: no change
  9. Proposed name of major or option/emphasis/concentration: Wildlife, Fisheries, and Conservation
  10. Proposed name of organizational unit: no change
  11. Program CIP Code: 03.0601
  12. Degree/Department Code: 03
  13. Reason for proposed action: To update emphasis of degree purpose and to better specify emphasis of conservation in aquatic systems.
  14. Semester credit hours for proposed major or option/emphasis/concentration: 15
  15. Provide the curriculum/credit hours for the certificate/degree/major/option/emphasis/concentration listed above. See attached spreadsheets.
  16. Provide additional program information if requested by ADHE staff.

President/Chancellor Approval Date:

Board of Trustees Notification Date:

Chief Academic Officer: Date: