Program Change Request

New Program Proposal

Date Submitted: 12/21/18 9:23 am

Viewing: BS/MPS-WFSC/PSAA-BPS : Wildlife and Fisheries Sciences - 5 year Bachelor of Science/ Master of Public Service Administration

Last edit: 12/21/18 9:23 am
Changes proposed by: lhutchins

<table>
<thead>
<tr>
<th>Contact(s)</th>
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<tbody>
<tr>
<td><strong>Name</strong></td>
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<tr>
<td>Peregrine Barboza</td>
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<tr>
<td>Lindsay Hutchins</td>
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</table>

Academic level: Undergraduate-Graduate
Effective Term: 2020-2021
Department: Wildlife & Fisheries Sciences
Department 2: Public Service & Administration
College: Agriculture & Life Sciences
College 2: Bush School of Gov & Pub Serv
Program type: Combination
Degree: BS/MPS - Bachelor of Science/Master of Public Svc & Administration
With a major in: Wildlife & Fisheries/Public Service & Administration (WFSC/PSAA)
Associated Program: Not Applicable
With a concentration in: BUSH MPS 3+2 Program (BPS)
Catalog Program Title: Wildlife and Fisheries Sciences - 5 year Bachelor of Science/ Master of Public Service Administration
CIP and Fund code: 0303010005

Rationale for Proposal:
Populations of fish, wildlife and the habitats on which they rely are central to issues about environmental policy and management. This proposal connects an undergraduate program in the science of managing fish and wildlife with a postgraduate professional program that provides three tracks for managing these public resources. The combined degree provide graduates with the...
concepts and skills required to effectively work with public and private non-profit organizations that focus on conserving populations of wild animals.

Program hours 168

Is this program eligible for financial aid?

Catalog Program Requirements
<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>User Name</th>
<th>Action Description</th>
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<tbody>
<tr>
<td>12/13/18</td>
<td>2:25 pm</td>
<td>Rane Cunningham</td>
<td>Rollback to Initiator</td>
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<tr>
<td>12/17/18</td>
<td>3:06 pm</td>
<td>David Caldwell</td>
<td>Approved for WFSC Department Head</td>
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<tr>
<td>12/17/18</td>
<td>4:52 pm</td>
<td>Angel Mario Carrizales</td>
<td>Rollback to Initiator</td>
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<tr>
<td>12/21/18</td>
<td>11:30 am</td>
<td>David Caldwell</td>
<td>Approved for WFSC Department Head</td>
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<tr>
<td>01/08/19</td>
<td>11:39 am</td>
<td>Angel Mario Carrizales</td>
<td>Approved for Curricular Services Review</td>
</tr>
<tr>
<td>01/08/19</td>
<td>1:13 pm</td>
<td>Dawn Kerstetter</td>
<td>Approved for AG Committee Preparer UG</td>
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<tr>
<td>01/17/19</td>
<td>12:57 pm</td>
<td>Rane Cunningham</td>
<td>Approved for GB Committee Preparer</td>
</tr>
<tr>
<td>01/20/19</td>
<td>10:20 am</td>
<td>Blease Graham</td>
<td>Approved for GB Committee Chair</td>
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### Plan of Study Grid

**First Year**

**Fall**
- **BIOL 111**: Introductory Biology I  
  4
- **MATH 140**: Mathematics for Business and Social Sciences  
  3
- **RENR 205**: Fundamentals of Ecology  
  3
- **WFSC 101**: Introduction to Wildlife and Fisheries  
  3
- **Free elective 1**  
  3

  **Semester Credit Hours**  
  16

**Spring**
- **BIOL 112**: Introductory Biology II  
  4
- **ENGL 104**: Composition and Rhetoric  
  3
- **HIST 105**: History of the United States  
  3
- **MATH 142**: Business Calculus  
  3
  
  **Language, philosophy and culture elective 1**  
  3

  **Semester Credit Hours**  
  16

**Second Year**

**Fall**
- **CHEM 119**: Fundamentals of Chemistry I  
  4
- **HIST 106**: History of the United States  
  3
- **POLS 206**: American National Government  
  3
- **WFSC 302**: Natural History of the Vertebrates  
  3
- **Free elective**  
  1
  
  **Creative arts elective 1**  
  3

  **Semester Credit Hours**  
  17
### Spring
- **CHEM 222** Elements of Organic and Biological Chemistry 3
- **POLS 207** State and Local Government 3
- **RENR 215** Fundamentals of Ecology--Laboratory 1
- **PHYS 201** College Physics 4
- **WFSC 303** Fish and Wildlife Laws and Administration 3
- **WFSC 401** General Mammalogy 3
- Semester Credit Hours 17

### Third Year
#### Fall
- **ESSM 351/RENR 405** Geographic Information Systems for Resource Management 3
- **WFSC 311** Ichthyology 3
- **WFSC 403** Animal Ecology 3
- **WFSC 408** Techniques of Wildlife Management 3
- **WFSC 433** Molecular Ecology in Wildlife and Fisheries 3
- **Social and behavioral sciences elective 1** 3
- Semester Credit Hours 18

#### Spring
- **COMM 203** Public Speaking 3
  or **ENGL 210** Technical and Business Writing 3
- **WFSC 304** Wildlife and Fisheries Conservation 3
- **WFSC 402** General Ornithology 3
- **WFSC 484** Internship 3
- Select one of the following: 3
  - **ESSM 301** Wildland Watershed Management
  - **ESSM 302** Wildland Plants of North America
  - **ESSM 303** Agrostology
- Select one of the following: 3
  - **STAT 301** Introduction to Biometry
  - **STAT 302** Statistical Methods
  - **STAT 303** Statistical Methods
- Semester Credit Hours 18

### Fourth Year
#### Fall
- **BUSH 631** Quantative Methods in Public Management I 2 3
- **PSAA 601** Foundations of Public Service 2 3
- **PSAA 621** Economic Analysis 2 3
- **PSAA 643** Foundations of the Nonprofit Sector 2 3
- Semester Credit Hours 12

#### Spring
- **PSAA 611** Public Policy Formation 2 3
- Select one of the following: 3
  - **BUSH 632** Quantitative Methods in Public Management II
  - **BUSH 635** Quantitative Methods in Public Management II: Policy Analysis Emphasis
  - **PSAA 630** Program Evaluation in Public and Nonprofit Organizations
- **PSAA Track Core**
- Select one of the following: 3
  - **PSAA 622** Public Finance
  - **PSAA 634** Public Management
  - **PSAA 644** Management and Leadership of Nonprofit Organizations
- **WFSC Directed Elective 2**
- Select one of the following: 3
**WFSC 619**  
Wildlife Restoration

**WFSC 628**  
Wetland Ecology and Pollution

**WFSC 639**  
Wildlife Ecotoxicology

**WFSC 655/RPTS 655**  
Applied Biodiversity Science I

**WFSC 685**  
Directed Studies

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<th>Semester Credit Hours</th>
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**Fifth Year**

**Fall**

**PSAA 675**  
Public Service and Administration Capstone Seminar 3

**PSAA Track Core**

Select one of the following: 3

- **PSAA 615**  
Policy Analysis

- **PSAA 623**  
Budgeting in Public Service

- **PSAA 632**  
Fiscal Management for Nonprofits

**Directed electives 3**

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<th>Semester Credit Hours</th>
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**Spring**

**PSAA 676**  
Public Service and Administration Capstone Seminar II 3

**Directed electives 3**

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**Total Semester Credit Hours** 150

1. Graduation requirements include a requirement for three hours of an international and cultural diversity course and three hours of a cultural discourse course. A course satisfying a core category, a college/department requirement, or a free elective can be used to satisfy this requirement.

2. Courses taken for credit in both the undergraduate and graduate degree for a combined total of 18 credits: **BUSH 631, PSAA 601, PSAA 611, PSAA 621, PSAA 643,** and **WFSC Directed Elective (WFSC 619, WFSC 628, WFSC 639, WFSC 655/RPTS 655, or WFSC 685).**

3. Directed electives to be chosen to meet requirements for one of the three degree tracks in Master of Public Service and Administration (MPSA); Public Policy Analysis (PPA), Public Management (PM), or Non-Profit Management (NPM).

Students are required to make a C or better in all WFSC and **RENR 205/RENR 215** courses.

The program includes a total of 168 hours which up to 18 hours may be applied toward both the Bachelor of Science in **Wildlife and Fisheries Sciences** and the Master of Public Service Administration.
department of chemistry will no longer offer these course next fall. CHEM 119 (4hrs) is the replacement course. -Are HIST 105 and HIST 106 the only courses that can be used to meet the American History core requirement. Or can any course that meets the core requirement be used?

Angel Mario Carrizales (carri1214) (10/26/18 5:35 pm): Rollback: Please address the following: 1) The requirements need to be listed in one plan of study grid. Currently, several tables are used. 2) Several courses are listed in the catalog program requirements that are not listed in the attached undergraduate degree evaluation template (e.g, ANTH 205, GEOG 202, ARTS 150, MUSC 201, ANTH 201, SOCI 205) A note was added by the initiator that states that these courses are examples of core course, please remove these course and list the corresponding core category as text. If a course that will be used toward the undergraduate degree is listed in the catalog it must also be listed in the evaluation and vice-versa. Please review the template and make corrections as appropriate. 3) The total program hours for this combination program is 168, (120 UG and 48 GR) The combined plan of study grid should sum to the number of hours a student will take. Per the proposal, only 15 hours will be double counted, so the plan of study grid should sum to 153.

Angel Mario Carrizales (carri1214) (11/19/18 11:48 am): Edits made to conform to catalog style guidelines.

Angel Mario Carrizales (carri1214) (11/19/18 12:05 pm): Rollback: The combined total program hours sum up to 171 (153 plus the 18 double counted hours). If students take 153 hours, then you can only double count up to 15 hours. Please review the requirements listed on the plan of study grid and make edits as necessary. If 18 hours will be double counted, the plan of study needs to sum up to 150 hrs. The discrepancy may lie in the number of graduate electives hours required.


Angel Mario Carrizales (carri1214) (11/21/18 9:32 am): Workflow has been adjusted to remove the External Approval role. The two degrees included in this proposal are existing programs.

Rane Cunningham (rane) (12/13/18 1:13 pm): Rollback: Rollback per Lindsay Hutchins request.

Rane Cunningham (rane) (12/13/18 2:25 pm): Rollback: Per request

Angel Mario Carrizales (carri1214) (12/17/18 4:52 pm): Rollback: The degree evaluation template attached to the proposal reflects 121 hours. The total hours required for the undergraduate degree should be 120 hours. The listed courses and course hours are matching up with the Catalog the discrepancy appears to be with supporting coursework area. The template list 60 hours, however, the sum of the rules in the area equals 59. Please review the template and make corrections as necessary.

Angel Mario Carrizales (carri1214) (01/08/19 11:39 am): Previous concern has been addressed.
Degree Evaluation

**Undergraduate Required Areas: 120 hours**
Must make grade of C or better in WFSC courses.

**Major Coursework (15):**

A. WFSC 101 (must make grade of C or better)
B. RENR 205 (must make grade of C or better)
C. WFSC 302 (must make grade of C or better)
D. WFSC 304 (must make grade of C or better)
E. WFSC 408 (must make grade of C or better)

**Supporting Coursework (59):**

A. WFSC 303 (must make grade of C or better)
B. WFSC 484 3 hrs (must make grade of C or better)
C. WFSC 311 (must make grade of C or better)
D. WFSC 403 (must make grade of C or better)
E. Stat Rqmt 3 hrs
   Select from STAT 301, 302, 303
F. WFSC 433 (must make grade of C or better)
G. PHYS 201
H. CHEM 119
I. CHEM 222
J. WFSC 401 (must make grade of C or better)
K. WFSC 402 (must make grade of C or better)
L. ESSM 351
M. Botany Rqmt 3 hrs
   Select from ESSM 301, 302, 303
N. PSAA 601
O. PSAA 621
P. PSAA 611
Q. BUSH 631
R. PSAA 643
S. Directive Elective 3 hrs (must make grade of C or better)
   Select from WFSC 619, 628, 639, 685, or WFSC 655/RPTS 655

**Communication (6):**

A. ENGL 104
B. Select from COMM 203 or ENGL 210

**Mathematics (6):**

A. Math Rqmt I 3hrs
   MATH 140
B. Math Rqmt II 3 hrs
   MATH 142
Life and Physical Sciences (9):
A. BIOL 111
B. BIOL 112
C. RENR 215 (must make grade of C or better)

Language, Philosophy and Culture (3):
A. Lang, Phil, Culture Rqmt 3hrs
   Select any course with the Language, Philosophy and Culture attribute [KLPC].

Creative Arts (3):
A. Creative Arts Requirement 3 hrs
   Select any course with the Creative Arts attribute [KCRA].

Social and Behavioral Science (3):
A. Social Science Rqmt 3 hrs
   Select any course with the Social and Behavioral Science attribute [KSOC].

Citizenship:
A. American History Rqmt 6 hrs
   Take HIST 105 and HIST 106.
B. Political Science Rqmt 6 hrs
   Take POLS 206 and POLS 207.

Free undergraduate electives (4):

Work Not Applied: This is a university area and will be added automatically

University Writing Req.:
A. Writing Requirement
   Take WFSC 303 [UWRT] and WFSC 413 [UWRT]. Only sections with the Writing attribute [UWRT] may be used to satisfy this requirement.
   Must make a grade of 'C' or better in WFSC courses.

Int'l&Cult Div/Cult Discourse: This is a university area and will be added automatically

Foreign Language: For programs that do not require a foreign language area this is the university approved foreign language area

Residence Requirement – 36hrs of 300-400 level coursework must be completed at TAMU. 12 hrs must be in major field.:
A. Residence – Major 12 hrs
   Select from WFSC 300-499
B. Residence 300-499 24 hrs
   Select from any 300-400 level course at Texas A&M.

GPR – Major: Specific courses required:
A. Major GPR 14+ hrs
   Includes WFSC 100-499; RENR 205, 215.