

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

Contact(s)

Name	E-mail	Phone
Peregrine Barboza	psbarboza@tamu.edu	979-845-3492
Lindsay Hutchins	lhutchins@tamu.edu	979-845-5704

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 designation	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

In Workflow

1. **WFSC Department Head**
2. **Curricular Services Review**
3. **AG Committee Preparer UG**
4. **GB Committee Preparer**
5. **GB Committee Chair**
6. **AG Committee Chair UG**
7. **AG College Dean UG**
8. **GB College Dean**
9. **UCC & GC Preparers**
-UCC Preparer
-GC Preparer
10. **UCC & GC Chairs**
-UCC Chair
-GC Chair
11. **Faculty Senate Preparer**
12. Faculty Senate
13. Provost II
14. President
15. Curricular Services

Approval Path

1. 08/28/18 12:47 pm
David Caldwell (caldwell):
Approved for WFSC Department Head
2. 09/04/18 3:37 pm
Angel Mario Carrizales (carri1214):
Rollback to Initiator
3. 10/25/18 6:24 am
David Caldwell (caldwell):

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

- Approved for
WFSC Department
Head
4. 10/26/18 5:35 pm
Angel Mario
Carrizales
(carri1214):
Rollback to
Initiator
 5. 11/15/18 7:45 pm
David Caldwell
(caldwell):
Approved for
WFSC Department
Head
 6. 11/19/18 12:05
pm
Angel Mario
Carrizales
(carri1214):
Rollback to
Initiator
 7. 11/21/18 7:09 am
David Caldwell
(caldwell):
Approved for
WFSC Department
Head
 8. 11/21/18 9:34 am
Angel Mario
Carrizales
(carri1214):
Approved for
Curricular Services
Review
 9. 11/21/18 10:31
am
Dawn Kerstetter
(dkerstetter):
Approved for AG
Committee
Preparer UG
 10. 12/13/18 1:13 pm
Rane Cunningham
(rane): Rollback to
AG Committee
Preparer UG for GB
Committee
Preparer
 11. 12/13/18 1:19 pm
Dawn Kerstetter
(dkerstetter):

- Approved for AG
Committee
Preparer UG
12. 12/13/18 2:25 pm
Rane Cunningham
(rane): Rollback to
Initiator
13. 12/17/18 3:06 pm
David Caldwell
(caldwell):
Approved for
WFSC Department
Head
14. 12/17/18 4:52 pm
Angel Mario
Carrizales
(carri1214):
Rollback to
Initiator
15. 12/21/18 11:30
am
David Caldwell
(caldwell):
Approved for
WFSC Department
Head
16. 01/08/19 11:39
am
Angel Mario
Carrizales
(carri1214):
Approved for
Curricular Services
Review
17. 01/08/19 1:13 pm
Dawn Kerstetter
(dkerstetter):
Approved for AG
Committee
Preparer UG
18. 01/17/19 12:57
pm
Rane Cunningham
(rane): Approved
for GB Committee
Preparer
19. 01/20/19 10:20
am
Blease Graham
(cole_graham):
Approved for GB
Committee Chair

- 20. 02/07/19 12:45 pm
Bob Knight (bob-knight): Approved for AG Committee Chair UG
- 21. 02/07/19 1:21 pm
Dawn Kerstetter (dkerstetter): Approved for AG College Dean UG
- 22. 02/07/19 1:51 pm
Frank Ashley (fashley): Approved for GB College Dean
- 23. 02/11/19 3:35 pm
Sandra Williams (sandra-williams): Approved for UCC & GC Preparers
- 24. 03/07/19 3:31 pm
LaRhesa Johnson (lrjohnson): Approved for UCC & GC Chairs

Plan of Study Grid

First Year

Fall

<u>BIOL 111</u>	Introductory Biology I	4
<u>MATH 140</u>	Mathematics for Business and Social Sciences	3
<u>RENR 205</u>	Fundamentals of Ecology	3
<u>WFSC 101</u>	Introduction to Wildlife and Fisheries	3
Free elective 1		3
	Semester Credit Hours	16

Spring

<u>BIOL 112</u>	Introductory Biology II	4
<u>ENGL 104</u>	Composition and Rhetoric	3
<u>HIST 105</u>	History of the United States	3
<u>MATH 142</u>	Business Calculus	3
<u>Language, philosophy and culture elective 1</u>		3
	Semester Credit Hours	16

Second Year

Fall

<u>CHEM 119</u>	Fundamentals of Chemistry I	4
<u>HIST 106</u>	History of the United States	3
<u>POLS 206</u>	American National Government	3
<u>WFSC 302</u>	Natural History of the Vertebrates	3
Free elective		1
<u>Creative arts elective 1</u>		3
	Semester Credit Hours	17

Spring		
<u>CHEM 222</u>	Elements of Organic and Biological Chemistry	3
<u>POLS 207</u>	State and Local Government	3
<u>RENR 215</u>	Fundamentals of Ecology--Laboratory	1
<u>PHYS 201</u>	College Physics	4
<u>WFSC 303</u>	Fish and Wildlife Laws and Administration	3
<u>WFSC 401</u>	General Mammalogy	3
	Semester Credit Hours	17
Third Year		
Fall		
<u>ESSM 351/RENR 405</u>	Geographic Information Systems for Resource Management	3
<u>WFSC 311</u>	Ichthyology	3
<u>WFSC 403</u>	Animal Ecology	3
<u>WFSC 408</u>	Techniques of Wildlife Management	3
<u>WFSC 433</u>	Molecular Ecology in Wildlife and Fisheries	3
<u>Social and behavioral sciences elective 1</u>		3
	Semester Credit Hours	18
Spring		
<u>COMM 203</u>	Public Speaking	3
or <u>ENGL 210</u>	or Technical and Business Writing	
<u>WFSC 304</u>	Wildlife and Fisheries Conservation	3
<u>WFSC 402</u>	General Ornithology	3
<u>WFSC 484</u>	Internship	3
Select one of the following:		3
<u>ESSM 301</u>	Wildland Watershed Management	
<u>ESSM 302</u>	Wildland Plants of North America	
<u>ESSM 303</u>	Agrostology	
Select one of the following:		3
<u>STAT 301</u>	Introduction to Biometry	
<u>STAT 302</u>	Statistical Methods	
<u>STAT 303</u>	Statistical Methods	
	Semester Credit Hours	18
Fourth Year		
Fall		
<u>BUSH 631</u>	Quantitative Methods in Public Management I 2	3
<u>PSAA 601</u>	Foundations of Public Service 2	3
<u>PSAA 621</u>	Economic Analysis 2	3
<u>PSAA 643</u>	Foundations of the Nonprofit Sector 2	3
	Semester Credit Hours	12
Spring		
<u>PSAA 611</u>	Public Policy Formation 2	3
Select one of the following:		3
<u>BUSH 632</u>	Quantitative Methods in Public Management II	
<u>BUSH 635</u>	Quantitative Methods in Public Management II: Policy Analysis Emphasis	
<u>PSAA 630</u>	Program Evaluation in Public and Nonprofit Organizations	
PSAA Track Core		
Select one of the following:		3
<u>PSAA 622</u>	Public Finance	
<u>PSAA 634</u>	Public Management	
<u>PSAA 644</u>	Management and Leadership of Nonprofit Organizations	
WFSC Directed Elective 2		
Select one of the following:		3

<u>WFSC 619</u>	Wildlife Restoration	
<u>WFSC 628</u>	Wetland Ecology and Pollution	
<u>WFSC 639</u>	Wildlife Ecotoxicology	
<u>WFSC 655/RPTS 655</u>	Applied Biodiversity Science I	
<u>WFSC 685</u>	Directed Studies	
	Semester Credit Hours	12
Fifth Year		
Fall		
<u>PSAA 675</u>	Public Service and Administration Capstone Seminar	3
PSAA Track Core		
Select one of the following:		3
<u>PSAA 615</u>	Policy Analysis	
<u>PSAA 623</u>	Budgeting in Public Service	
<u>PSAA 632</u>	Fiscal Management for Nonprofits	
Directed electives 3		6
	Semester Credit Hours	12
Spring		
<u>PSAA 676</u>	Public Service and Administration Capstone Seminar II	3
Directed electives 3		9
	Semester Credit Hours	12
	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 [REN 205/REN 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.

Additional information

Required Proposal Forms [3+2 DegEval for CARS.docx](#)

Reviewer Comments **Angel Mario Carrizales (carri1214) (09/04/18 3:37 pm):** Rollback: Please address the following. 1) Propose a new "With a Major in" code for this proposal to associate WFSC with the graduate major. To propose a new major code, submit a request through <https://nextcatalog.tamu.edu/miscadmin/> 2) Program hours field. The combined program hours do not match the attached documents. (BS-WFSC is 120 hours, the MPS-PSAA is 48hrs.) 3) UG- GR combination program requirements must show a plan of study grid/table (ex., First Year-Fall, Spring, Second Year-Fall, Spring, etc.) which will include the double counted hours. Training videos are available on Train-raq and can be accessed through [http://registrar.tamu.edu/Our-Services/Curricular-Services/Curricular-Approvals/Curricular-Approval-Request-System-\(CARS\)/Training-Curricular-Approval-Request-System-\(CARS\)](http://registrar.tamu.edu/Our-Services/Curricular-Services/Curricular-Approvals/Curricular-Approval-Request-System-(CARS)/Training-Curricular-Approval-Request-System-(CARS)) -The attached degree evaluation template total program hours sum up to 115 hrs. (Sum of all courses listed under each area above work not applied). The template should sum to the approved number of hours for the BS-WFSC degree, which is 120. -The template also lists CHEM 101 (3hrs) and CHEM 111(1hr). The

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 9:28 am): Initial concerns addressed.

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.