Program Change Request

Date Submitted: 11/07/19 8:36 am

Viewing: POSCBS : Poultry Science, Bachelor of Science in Agri Food & Life Sciences

Last approved: 05/25/17 1:21 pm
Last edit: 11/07/19 8:36 am
Changes proposed by: patrices

Catalog Pages Using this Program
- Poultry Science B.S.A.
- Poultry Science (POSC)

Submitter: User ID: patrices crsleaf1 Phone: 5753699 575-6731

Program Status: Active
Academic Level: Undergraduate
Type of proposal: Major/Field of Study

Select a reason for this modification
Making Minor Changes to an Existing Degree (e.g. changing 15 or fewer hours, changing admission/graduation requirements, adding/changing Focused Study or Track)

Are you adding a concentration? No
Are you adding or modifying a track? No
Are you adding or modifying a focused study? No

Effective Catalog Year: Fall 2020
College/School Code

In Workflow
1. AFLS Dean Initial
2. Director of Program Assessment and Review
3. Registrar Initial
4. Institutional Research
5. POSC Chair
6. POSC Curriculum Committee
7. AFLS Faculty
8. AFLS Dean
9. Global Campus
10. Provost Review
11. University Course and Program Committee
12. Faculty Senate
13. Provost Final
14. Provost's Office--Notification of Approval
15. Registrar Final
16. Catalog Editor Final

Approval Path
1. 10/09/19 1:13 pm Lona Robertson (lrobert): Approved for AFLS Dean Initial
2. 10/09/19 5:18 pm Alice Griffin (agriffin): Rollback to AFLS Dean Initial
Bumpers College of Agricultural, Food, and Life Sciences (AFLS)

Department Code

for Director of Program Assessment and Review

3. 10/10/19 8:41 am
Vicky Watkins (watkinsv): Rollback to Initiator

4. 10/21/19 10:31 am
Lona Robertson (ljrobert): Approved for AFLS Dean Initial

5. 10/28/19 11:27 am
Alice Griffin (agriffin): Rollback to Initiator

6. 11/07/19 11:08 am
Lona Robertson (ljrobert): Approved for AFLS Dean Initial

7. 11/11/19 9:24 am
Alice Griffin (agriffin): Approved for Director of Program Assessment and Review

8. 11/12/19 4:05 pm
Lisa Kulczak (lkulcza): Approved for Registrar Initial

9. 11/12/19 4:06 pm
Gary Gunderman (ggunderm): Approved for Institutional Research

10. 12/04/19 10:01 am
David Caldwell (caldweld):
Approved for POSC Chair
11. 12/16/19 9:18 am
   Gary McDonald (gmcdonal):
   Approved for POSC Curriculum Committee
12. 12/17/19 1:58 pm
   Michael Thomsen (mthomsen):
   Approved for AFLS Faculty
13. 12/17/19 3:02 pm
   Lona Robertson (lrobert): Approved for AFLS Dean
14. 12/17/19 3:28 pm
   Suzanne Kenner (skennner): Approved for Global Campus

History
1. Aug 15, 2014 by Leepfrog Administrator (clhelp)
2. Apr 6, 2015 by Charlie Alison (calison)
3. Apr 6, 2015 by Charlie Alison (calison)
4. Apr 6, 2015 by Charlie Alison (calison)
5. Aug 14, 2015 by Lisa Kulczak (lkulcza)
6. May 25, 2017 by
Department of Poultry Science (POSC)

Program Code POSEBS

Degree Bachelor of Science in Agricultural, Food & Life Sciences

CIP Code
01.0907 - Poultry Science.

Program Title
Poultry Science, Bachelor of Science in Agri Food & Life Sciences

Program Delivery
Method
On Campus

Is this program interdisciplinary?
No

Does this proposal impact any courses from another College/School?
No

What are the total hours needed to complete the program?
120

Program Requirements and Description

Requirements

Requirements for a Major in Poultry Science (POSC)

State minimum core and discipline specific general education requirements:
(Course work that meets state minimum core requirements is in bold.)

University Requirements (1 hour) 1

UNIV 1001 University Perspectives

Communications (6-12 hours) 6-12

Communications (12 hours) 12
Select 6 hours English from University Core

COMM 1313 Public Speaking (ACTS Equivalency = SPCH 1003)

Communication Intensive Elective - 3hrs (see degree audit for approve course list)

U.S. History and Government (3 hours)

One U.S. History and Government Course

Mathematics and Statistics (6-7 hours)

One MATH Core Course

Select 3 hours from U.S. History and Government University Core

Mathematics and Statistics (6 hours)

MATH 1203 College Algebra (ACTS Equivalency = MATH 1103) (or higher)

Select one of the following:

AGEC 2403 Quantitative Tools for Agribusiness

STAT 2303 Principles of Statistics (ACTS Equivalency = MATH 2103)

AGST 4023 Principles of Experimentation

Sciences (16-24 hours)

Physical and Biological Sciences (16-24 hours)

BIOL 1543 Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture)

& BIOL 1541L and Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab)

BIOL 2013 General Microbiology (ACTS Equivalency = BIOL 2004 Lecture)

& BIOL 2011L and General Microbiology Laboratory (ACTS Equivalency = BIOL 2004 Lab)

Select one of the following:

4-8

Select 4-8 hours from the following:

CHEM 1073 Fundamentals of Chemistry (ACTS Equivalency = CHEM 1214 Lecture)

& CHEM 1071L and Fundamentals of Chemistry Laboratory (ACTS Equivalency = CHEM 1214 Lab)

CHEM 1103 University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture)

& CHEM 1101L and University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab)

& CHEM 1123 and University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture)

& CHEM 1121L and University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab)

Select one of the following:

4-8

Select 4-8 hours from the following:

CHEM 2613 Organic Physiological Chemistry (ACTS Equivalency = CHEM 1224 Lecture)

& CHEM 2611L and Organic Physiological Chemistry Laboratory (ACTS Equivalency = CHEM 1224 Lab)

CHEM 3603 Organic Chemistry I

& CHEM 3601L and Organic Chemistry I Laboratory

& CHEM 3613 and Organic Chemistry II

& CHEM 3611L and Organic Chemistry II Laboratory

Fine Arts and Humanities (6 hours)

Select 3 hours Fine Arts from University Core
Discipline-Related Electives (12 hrs)  
12

General Electives (4-19 hours)  
4-19

Select 3 hours Humanities from University Core  
3

Social Sciences (9 hours)  
9

AGEC 1103 Principles of Agricultural Microeconomics
or ECON 2023 Principles of Microeconomics (ACTS Equivalency = ECON 2203)

Choose two Social Sciences Core Courses  
6

Poultry Science Core  
2

POSC 1002 Introduction to Careers in Poultry Science
POSC 1012 Avian Biology

Select 6 hours Social Sciences from University Core  
6

Poultry Science Core (26 hours)  
26

POSC 1003 Course POSC 1003 Not Found
POSC 2343 Poultry Production
POSC 2353 Poultry Breeder Management
POSC 3223 Poultry Diseases
POSC 3554 Avian Anatomy

Select one of the following:  
3

POSC 3123 Principles of Genetics
or POSC 4333 Poultry Breeding
or BIOL 2323 General Genetics
POSC 4333 Poultry Breeding
BIOL 2323 General Genetics
POSC 4314 Egg and Meat Technology
POSC 4343 Poultry Nutrition

Poultry Science Controlled Electives  

Poultry Science Controlled Electives (15 hours)  
15

Select 6 hours from the following:

AGEC 2303 Introduction to Agribusiness
PHYS 2013 College Physics I (ACTS Equivalency = PHYS 2014 Lecture)
& PHYS 2011L and College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab)
PHYS 2033 College Physics II (ACTS Equivalency = PHYS 2024 Lecture)
& PHYS 2031L and College Physics II Laboratory (ACTS Equivalency = PHYS 2024 Lab)
POSC 3032 Animal Physiology I
POSC 3042 Animal Physiology II
POSC 3033 Course POSC 3033 Not Found
POSC 4213 Integrated Poultry Management Systems

Select 3 hours from the following:

POSC 4801 Seminar: Research Topics
POSC 4811 Seminar: Professionalism
Select 6 hours from the following:

- **POSC 3013** Exotic Companion Birds
- **POSC 3381** Poultry Judging and Selection
- **POSC 3513** Current Approaches in Agricultural Laboratory Research
  or **POSC 3513H** Honors Current Approaches in Agricultural Laboratory Research
- **POSC 400V** Special Problems
- **POSC 401V** Internship in Poultry Science
- **POSC 4033** Statistical Process Control in the Food Industry
- **POSC 4233** Value Added Muscle Foods
- **POSC 4923** Brain and Behavior

**POSC Elective (3 hours)**

Discipline-Related Electives (12 hours) see degree audit for list of approved courses  

<table>
<thead>
<tr>
<th>Category</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discipline-Related Electives</td>
<td></td>
</tr>
<tr>
<td>General Electives</td>
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<tr>
<td>Total Hours</td>
<td>120</td>
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General Electives (6-14 hours)  

<table>
<thead>
<tr>
<th>Category</th>
<th>Hours</th>
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<tbody>
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<td>General Electives</td>
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<tr>
<td>Total Hours</td>
<td></td>
</tr>
<tr>
<td>Total Hours</td>
<td>120</td>
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</table>
# 8-Semester Plan

## Poultry Science B.S.A.

### Eight-Semester Degree Program

Students wishing to follow the degree plan should go to the [Eight-Semester Degree Policy](https://nextcatalog.uark.edu/courseleaf/courseleaf.cgi?page=/programad...) for university requirements of the program.

#### First Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ENGL 1013</strong></td>
<td>Composition I (ACTS Equivalency = ENGL 1013)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Biol 1543</strong></td>
<td>Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture)</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&amp; <strong>BIOL 1541L</strong></td>
<td>Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab)</td>
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<td></td>
<td></td>
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<tr>
<td><strong>POSC 1003</strong></td>
<td>Course POSEC 1003 Not Found</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FNAR/Humanities University Core Elective</td>
<td></td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>UNIV 1001</strong></td>
<td>University Perspectives</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>COMM 1313</strong></td>
<td>Public Speaking (ACTS Equivalency = SPCH 1003)</td>
<td>3</td>
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<tr>
<td><strong>POSC 1002</strong></td>
<td>Introduction to Careers in Poultry Science</td>
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<tr>
<td><strong>ENGL 1023</strong></td>
<td>Composition II (ACTS Equivalency = ENGL 1023)</td>
<td>3</td>
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<tr>
<td><strong>MATH 1203</strong></td>
<td>College Algebra (ACTS Equivalency = MATH 1103) (or higher)</td>
<td>3</td>
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<tr>
<td><strong>COMM 1313</strong></td>
<td>Public Speaking (ACTS Equivalency = SPCH 1003)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FNAR/Humanities University Core Elective</td>
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<td>3</td>
<td></td>
<td></td>
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<tr>
<td>Social Science Core Elective</td>
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<tr>
<td><strong>POSC 1012</strong></td>
<td>Avian Biology</td>
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Year Total: 14 15

#### Second Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>POSC 2343</strong></td>
<td>Poultry Production</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CHEM 1073</strong></td>
<td>Fundamentals of Chemistry (ACTS Equivalency = CHEM 1214 Lecture)</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&amp; <strong>CHEM 1071L</strong></td>
<td>Fundamentals of Chemistry Laboratory (ACTS Equivalency = CHEM 1214 Lab)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>or <strong>CHEM 1103</strong> and <strong>CHEM 1101L</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AGEC 1103</strong></td>
<td>Principles of Agricultural Microeconomics</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or <strong>ECON 2023</strong></td>
<td>Principles of Microeconomics (ACTS Equivalency = ECON 2203)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following:

- **CHEM 1103 University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture)** | 4 | |
- & **CHEM 1101L University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab)** | | |

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>History Core Elective</td>
<td></td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>History University Core Elective</td>
<td></td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>POSC 3554</strong></td>
<td>Avian Anatomy</td>
<td>4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Are Similar Programs available in the area?

No

Estimated Student Demand for Program: NA

Scheduled Program Review Date: 2024-2025 NA

Program Goals and Objectives

Program Goals and Objectives

The goal of the poultry science curriculum is to promote a fundamental understanding of poultry science across sub-disciplines, with an emphasis on the scientific basis underlying the poultry industry. The objective of the required POSC courses is to provide an overview of poultry-related careers, production practices, poultry anatomy, and disciplines that include physiology, diseases, genetics, nutrition, processing, and products. NA

Learning Outcomes

Learning Outcomes

Student Learning Outcome 1. Students will demonstrate knowledge of the basic principles of production, anatomy, physiology, genetics, nutrition, health, and disease identification as related to poultry.

Student Learning Outcome 2. Students develop critical-thinking skills that apply to issues and problems faced by the poultry industry.

Student Learning Outcome 3: Students will be able to communicate summaries of lab activities, interpret results of problem-solving activities and summarize results of research in written and oral communication. NA

Description and justification of the request

<table>
<thead>
<tr>
<th>Description of specific change</th>
<th>Justification for this change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor Changes to the Poultry Science Core</td>
<td>POSC 1002 and POSC 1012 was combined to reflect Intro to Poultry Science w/lab.</td>
</tr>
<tr>
<td>Removal of POSC 1002 and 1012-Changed to POSC 1003</td>
<td></td>
</tr>
<tr>
<td>POSC 3032/3042 Animal Physiology I and II was changed</td>
<td>POSC 3223 and POSC 3554 switched to balance</td>
</tr>
<tr>
<td>Description of specific change</td>
<td>Justification for this change</td>
</tr>
<tr>
<td>------------------------------------------------------</td>
<td>--------------------------------</td>
</tr>
<tr>
<td>to POSC 3033 Animal Physiology</td>
<td>out the offering of core classes.</td>
</tr>
<tr>
<td>POSC 3513 Current Approaches in Agricultural Laboratory Research was added as a controlled elective</td>
<td>Animal Physiology I and II was changed from 2 two hour courses to reflect one 3 hour class. Students would take one and not the other. Now students will receive all of the course content.</td>
</tr>
<tr>
<td>POSC 3223-Spring Only Course</td>
<td>POSC 3513 was added to the controlled elective section to provide students with additional option.</td>
</tr>
<tr>
<td>POSC 3554-Fall Only Course</td>
<td></td>
</tr>
</tbody>
</table>

Uploader Comments

Alice Griffin (agriffin) (10/09/19 5:18 pm): Rollback: Please work with the POSC department to submit the proposed changes into the Program Requirements field and 8 semester plan. It appears no changes were made to those two fields. Attachments are not sufficient.

Vicky Watkins (watkinsv) (10/10/19 8:41 am): Rollback: Program changes and semester plan needs update to reflect check sheets for 20-21

Alice Griffin (agriffin) (10/23/19 5:36 pm): Changed review date to include the academic year, not just the calendar year.

Alice Griffin (agriffin) (10/28/19 11:27 am): Rollback: Returned based on request from college. Please visit with Vicky Watkins to make edits.