

Date Submitted: 09/04/20 3:22 pm

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

Last approved: 04/08/20 8:00 am

Last edit: 09/28/20 11:10 pm

Changes proposed by: cmowens

Catalog Pages Using
this Program

[Poultry Science B.S.A.](#)

[Poultry Science \(POSC\).](#)

Submitter: User ID: **cmowens** **patrices** Phone:

4795754281

5753699

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 2021

College/School Code

Bumpers College of Agricultural, Food, and Life Sciences (AFLS)

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. ARSC Dean
9. AFLS Dean
10. Global Campus
11. Provost Review
12. University Course and Program Committee
13. Faculty Senate
14. Provost Final
15. Provost's Office-- Notification of Approval
16. Registrar Final
17. Catalog Editor Final

Approval Path

1. 08/21/20 3:07 pm
Lona Robertson
(ljrobert): Approved for AFLS Dean Initial
2. 08/25/20 5:24 pm
Alice Griffin
(agriffin): Rollback to Initiator

Department Code

Department of Poultry Science (POSC)

Program Code

POSCBS

Degree

Bachelor of Science in Agricultural, Food & Life Sciences

CIP Code

3. 09/04/20 4:11 pm
Lona Robertson
(ljrobert): Approved
for AFLS Dean Initial
4. 09/22/20 8:17 am
Alice Griffin
(agriffin): Approved
for Director of
Program
Assessment and
Review
5. 09/28/20 11:10 pm
Lisa Kulczak
(lkulcza): Approved
for Registrar Initial
6. 09/29/20 4:59 pm
Gary Gunderman
(ggunderm):
Approved for
Institutional
Research
7. 09/29/20 6:34 pm
David Caldwell
(caldweld):
Approved for POSC
Chair
8. 10/01/20 9:02 am
Nathan Kemper
(nkemper):
Approved for POSC
Curriculum
Committee
9. 10/05/20 11:17 am
Kate Shoulders
(cshoulde):
Approved for AFLS
Faculty
10. 10/05/20 11:48 am
Jeannie Hulen

- (jhulen): Approved
for ARSC Dean
11. 10/05/20 12:37 pm
Lona Robertson
(ljrobert): Approved
for AFLS Dean
12. 10/05/20 2:18 pm
Suzanne Kenner
(skenner): Approved
for Global Campus
13. 10/06/20 7:47 am
Terry Martin
(tmartin): Approved
for Provost Review
14. 10/23/20 5:02 pm
Myrlinda Soedjede
(myrlinda):
Approved for
University Course
and Program
Committee

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
Karen Turner

(kjvestal)

7. Apr 8, 2020 by

Patrice Sims

(patrices)

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?

Yes No

College(s)/School(s)

College/School Name

Fulbright College of Arts and Sciences (ARSC)

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 (12 hours)

12

Select 6 hours English from state minimum core

~~COMM 1313~~

~~Public Speaking (ACTS Equivalency =
SPCH 1003)~~

Communication Intensive Elective - 6hrs (see degree audit for approved course list)	
U.S. History or Government	3
Select 3 hours from U.S. History or Government State Minimum Core	
Mathematics and Statistics (6 hours)	6
<u>MATH 1203</u>	College Algebra (ACTS Equivalency = MATH 1103) (or higher)
Select one of the following:	
<u>AGEC 2403</u>	Quantitative Tools for Agribusiness
<u>STAT 2303</u>	Principles of Statistics (ACTS Equivalency = MATH 2103)
Physical and Biological Sciences (16-24 hours)	16-24
Physical and Biological Sciences (16 hours)	16
<u>BIOL 1543</u> & <u>BIOL 1541L</u>	Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture) and Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab)
<u>BIOL 2013</u> & <u>BIOL 2011L</u>	General Microbiology (ACTS Equivalency = BIOL 2004 Lecture) and General Microbiology Laboratory (ACTS Equivalency = BIOL 2004 Lab)
or <u>POSC 2413 DOMESTIC ANIMAL MICROBIOLOGY</u> & <u>POSC 2411L DOMESTIC ANIMAL MICROBIOLOGY LABORATORY</u>	<u>Course POSC 2413 DOMESTIC ANIMAL MICROBIOLOGY Not Found</u> and <u>Course POSC 2411L DOMESTIC ANIMAL MICROBIOLOGY LABORATORY Not Found</u>
Select 4-8 hours from the following:	
<u>CHEM 1073</u> & <u>CHEM 1071L</u>	Fundamentals of Chemistry (ACTS Equivalency = CHEM 1214 Lecture) and Fundamentals of Chemistry Laboratory (ACTS Equivalency = CHEM 1214 Lab)
or <u>CHEM 1123</u> & <u>CHEM 1121L</u>	University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture) and University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab)
CHEM 1103	University Chemistry I (ACTS

~~& CHEM 1101L~~~~& CHEM 1123~~~~& CHEM 1121L~~~~Equivalency = CHEM 1414 Lecture)~~~~and University Chemistry I~~~~Laboratory (ACTS Equivalency =
CHEM 1414 Lab)~~~~and University Chemistry II (ACTS
Equivalency = CHEM 1424 Lecture)~~~~and University Chemistry II
Laboratory (ACTS Equivalency =
CHEM 1424 Lab)~~

Select 4-8 hours from the following:

CHEM 2613& CHEM 2611LOrganic Physiological Chemistry
(ACTS Equivalency = CHEM 1224
Lecture)and Organic Physiological
Chemistry Laboratory (ACTS
Equivalency = CHEM 1224 Lab)or CHEM 3603& CHEM 3601L

Organic Chemistry I

and Organic Chemistry I Laboratory

~~CHEM 3603~~~~Organic Chemistry I~~~~& CHEM 3601L~~~~and Organic Chemistry I~~~~& CHEM 3613~~~~Laboratory~~~~& CHEM 3611L~~~~and Organic Chemistry II~~~~and Organic Chemistry II~~~~Laboratory~~

Fine Arts and Humanities (6 hours)

6

Select 3 hours Fine Arts from state minimum core

Select 3 hours Humanities from state minimum core

Social Sciences (9 hours)

9

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

Select 6 hours Social Sciences from State Minimum Core

~~Poultry Science Core (26 hours)~~~~26~~**Poultry Science Core (35 hours)****35**POSC 1003

Introduction to Poultry Science

POSC 2343

Poultry Production

POSC 2353

Poultry Breeder Management

POSC 3033

Animal Physiology

~~POSC 4213~~~~Integrated Poultry Management~~

<p><u>POSC 3123</u> or <u>BIOL 2323</u> <u>POSC 3223</u> <u>POSC 3554</u> <u>POSC 4314</u> <u>POSC 4343</u></p>		<p>Systems Principles of Genetics General Genetics Poultry Diseases Avian Anatomy Egg and Meat Technology Poultry Nutrition</p>
<p>Poultry Science-Controlled Electives (15 hours)</p>		<p>15</p>
<p>Select 6 hours from the following: AGEC-2303 PHYS-2013 & PHYS-2011L PHYS-2033 & PHYS-2031L Select 3 hours from the following: <u>POSC 4801</u> <u>POSC 4811</u> <u>POSC 4821</u> <u>POSC 4831</u> Select 6 hours from the following: POSC-3013 POSC-3381 POSC-3513 or POSC-3513H POSC-400V Select 3 hours from the following: <u>AFLS 400VH</u> <u>POSC 401V</u> POSC-4033 POSC-4233 POSC-4923 POSC-Elective (3 hours)</p>		<p>Introduction to Agribusiness College Physics I (ACTS-Equivalency =PHYS-2014 Lecture) and College Physics I Laboratory (ACTS-Equivalency = PHYS-2014 Lab) College Physics II (ACTS-Equivalency =PHYS-2024 Lecture) and College Physics II Laboratory (ACTS-Equivalency = PHYS-2024 Lab)</p>
<p>POSC-400V Select 3 hours from the following: <u>AFLS 400VH</u> <u>POSC 401V</u> POSC-4033 POSC-4233 POSC-4923 POSC-Elective (3 hours)</p>	<p>Seminar: Research Topics Seminar: Professionalism Seminar: Problem Solving Seminar: Processing Regulations Exotic Companion Birds Poultry Judging and Selection Current Approaches in Agricultural Laboratory Research Honors Current Approaches in Agricultural Laboratory Research Special Problems Honors Thesis Internship in Poultry Science Statistical Process Control in the Food Industry Value-Added Muscle Foods Brain and Behavior</p>	<p>12</p>
<p>Discipline-Related Electives (12 hours) see degree audit for list of approved courses</p>		<p>12</p>

10/27/2020	Program Management	
General Electives (6-14 hours)		6-14
POSC 402V UNDERGRADUATE RESEARCH EXPERIENCE	Course POSC 402V UNDERGRADUATE RESEARCH EXPERIENCE Not Found	
General Electives (12 hours) Students should discuss recommended electives with academic/faculty adviser		12
20 hours from concentration requirements (PSID, PSPP)		20
Total Hours		120

8-Semester Plan

Poultry ScienceB.S.A.Eight-Semester-Degree-Program-Students-wishing-to-follow-the-degree-plan-should-go-to-the-Eight-Semester-Degree-Policy-for-university-requirements-of-theprogram.-

- 1 If CHEM 1103%7C/CHEM 1101L%7C taken previous fall.
- 2 If CHEM 1103%7C/CHEM 1101L%7C and CHEM 1123%7C/CHEM 1121L%7C taken previously:
- 3 If CHEM 3603%7C/CHEM 3601L%7C taken previously:

First Year	Units
Fall	Spring
ENGL 1013 Composition I (ACTS Equivalency = ENGL 1013)	3 -
BIOL 1543 Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture)	4 -
& BIOL 1541L Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab)	
POSC 1003 Introduction to Poultry Science	3 -
FNAR/Humanities state minimum core elective	3 -
UNIV 1001 University Perspectives	1 -
ENGL 1023 Composition II (ACTS Equivalency = ENGL 1023)	- 3
MATH 1203 College Algebra (ACTS Equivalency = MATH 1103) (or higher)	- 3
COMM 1313 Public Speaking (ACTS Equivalency = SPCH 1003)	- 3
FNAR/Humanities state minimum core elective	- 3
Social Science core elective	- 3
Year Total:	

Second Year	Units
Fall	Spring
POSC 2343 Poultry Production	3 -
CHEM 1073 Fundamentals of Chemistry (ACTS Equivalency = CHEM 1214 Lecture)	4 -
& CHEM 1071L Fundamentals of Chemistry Laboratory (ACTS Equivalency = CHEM 1214 Lab)	
or CHEM 1103 and CHEM 1101L	
AGEC 1103 Principles of Agricultural Microeconomics	3 -
or ECON 2223 Principles of Microeconomics (ACTS Equivalency = ECON 2203)	

~~or ECON 2203 Principles of Microeconomics (ACTS Equivalency = ECON 2203)~~

History state minimum core elective	3	-
POSC 3554 Avian Anatomy	4	-
POSC 2353 Poultry Breeder Management	-	3
Select 3-4 hours from the following:	-	3-4
CHEM 1123 University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture)	-	-
& CHEM 1121L University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab) ¹		
CHEM 2613 Organic Physiological Chemistry (ACTS Equivalency = CHEM 1224 Lecture)	-	-
& CHEM 2611L Organic Physiological Chemistry Laboratory (ACTS Equivalency = CHEM 1224 Lab)		
General Elective (3 hours)		
Discipline-Related Elective	-	3
Social Science core elective	-	3
Communication Intensive Elective	-	3
Year Total:		

Third Year

Units
FallSpring

Select 3-4 hours from the following:	3-4	-
CHEM 3603 Organic Chemistry I	-	-
& CHEM 3601L Organic Chemistry I Laboratory ²		
General Elective (3 hours)		
BIOL 2013 General Microbiology (ACTS Equivalency = BIOL 2004 Lecture)	4	-
& BIOL 2011L General Microbiology Laboratory (ACTS Equivalency = BIOL 2004 Lab)		
POSC 4333 Poultry Breeding	3	-
or POSC 3123 Principles of Genetics		
or BIOL 2323 General Genetics		
POSC Controlled Elective	3	-
POSC 4811 Seminar: Professionalism	1	-
or POSC 4831 Seminar: Processing Regulations		
Select 2-4 hours from the following:	-	2-4
CHEM 3613 Organic Chemistry II	-	-
& CHEM 3611L Organic Chemistry II Laboratory ³		
General Elective (2 hours)		
POSC 3223 Poultry Diseases	-	3
POSC Controlled Elective	-	3
General Elective	-	3
Discipline-Related Elective	-	3
Year Total:		

Fourth Year

Units
FallSpring

POSC 4314 Egg and Meat Technology	4	-
POSC 4811 Seminar: Professionalism	1	-
or POSC 4831 Seminar: Processing Regulations		
POSC Controlled Elective	3	-
AGEC 2403 Quantitative Tools for Agribusiness	3	-
or STAT 2303 Principles of Statistics (ACTS Equivalency = MATH 2103)		
Discipline-Related Elective	3	-
POSC 4343 Poultry Nutrition	-	3
General Elective	-	3
POSC Controlled Elective	-	3
POSC 4801 Seminar: Research Topics	-	1
or POSC 4821 Seminar: Problem Solving		
Discipline-Related Elective	-	3
Year Total:		
Total Units in Sequence:		0

Are Similar Programs available in the area?

No

Estimated Student NA
Demand for Program

Scheduled Program 2024-2025
Review Date

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.

Learning Outcomes

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

Description and justification of the request

Description of specific change	Justification for this change
POSCBS was slightly reconfigured (minor change); addition of new courses (ie., POSC 2413/2411L, POSC 3033); addition of 2 concentrations.	<p>This reflects the general education learning outcome requirements and addition of proposed/modified course(s).</p> <p>The concentrations will focus on courses to prepare students for either industry careers or pre-professional schools (e.g., vet school). The concentrations replace the discipline related electives in previous program and thus, the programs provide better definition of classes that will prepare them for their future.</p>

Upload attachments

[21-22-poscbs-psid-8sdcf-final.docx](#)

[21-22-poscbs-pspp-final.docx](#)

[21-22-poscbs-pspp-8sdcf-final.docx](#)

[21-22-poscbs-psid-final.docx](#)

[Learning Outcome matrix POSC.docx](#)

[posc_curriculum-revision_ltrofnotification.pdf](#)

Reviewer Comments

Alice Griffin (agriffin) (08/24/20 11:25 am): Corrected typo in course requirements.

Alice Griffin (agriffin) (08/25/20 5:24 pm): Rollback: Please address concerns noted in correspondence 8/25/2020.

Alice Griffin (agriffin) (09/21/20 11:27 am): Inserted title for POSC 2413/2411L for review. Courses are currently pending approval process.

Alice Griffin (agriffin) (09/21/20 11:30 am): Added course title to POSC 402V for review.

Alice Griffin (agriffin) (09/21/20 5:04 pm): Revised LON to include anticipated approval dates and renamed document to match BOT naming convention. Inserted final copies of revised

curriculum into the LON.

Alice Griffin (agriffin) (09/21/20 5:06 pm): Updated submitter contact information.

Lisa Kulczak (lkulcza) (09/28/20 11:10 pm): **Clarification needed as to whether or not students admitted to the program must select one of the concentrations OR whether they can elect to complete a "generic" poultry science degree.**

Key: 169