

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

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
<u>UNIV 1001</u>	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:

AGEC 2403

STAT 2303

Quantitative Tools for Agribusiness
Principles of Statistics (ACTS
Equivalency = MATH 2103)

~~Physical and Biological Sciences (16-24 hours)~~

~~16-~~

~~24~~

Physical and Biological Sciences (16 hours)

16

BIOL 1543

& BIOL 1541L

Principles of Biology (ACTS
Equivalency = BIOL 1014 Lecture)
and Principles of Biology
Laboratory (ACTS Equivalency =
BIOL 1014 Lab)

BIOL 2013

& BIOL 2011L

General Microbiology (ACTS
Equivalency = BIOL 2004 Lecture)
and General Microbiology
Laboratory (ACTS Equivalency =
BIOL 2004 Lab)

or POSC 2413 DOMESTIC ANIMAL MICROBIOLOGY

Course POSC 2413 DOMESTIC ANIMAL

& POSC 2411L DOMESTIC ANIMAL MICROBIOLOGY LABORATORY MICROBIOLOGY Not Found

and Course POSC 2411L DOMESTIC
ANIMAL MICROBIOLOGY LABORATORY
Not Found

Select 4-8 hours from the following:

CHEM 1073

& CHEM 1071L

Fundamentals of Chemistry (ACTS
Equivalency = CHEM 1214 Lecture)
and Fundamentals of Chemistry
Laboratory (ACTS Equivalency =
CHEM 1214 Lab)

or CHEM 1123

& CHEM 1121L

University Chemistry II (ACTS
Equivalency = CHEM 1424 Lecture)
and University Chemistry II
Laboratory (ACTS Equivalency = CHEM
1424 Lab)

~~CHEM 1103~~

~~& CHEM 1101L~~

~~& CHEM 1123~~

~~& CHEM 1121L~~

~~University Chemistry I (ACTS
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 2611L

or CHEM 3603
& CHEM 3601L

~~CHEM 3603~~
~~& CHEM 3601L~~
~~& CHEM 3613~~
~~& CHEM 3611L~~

Organic Physiological Chemistry
(ACTS Equivalency = CHEM 1224
Lecture)

and Organic Physiological
Chemistry Laboratory (ACTS
Equivalency = CHEM 1224 Lab)
Organic Chemistry I

and Organic Chemistry I Laboratory

~~Organic Chemistry I~~
~~and Organic Chemistry I~~
~~Laboratory~~
~~and Organic Chemistry II~~
~~and Organic Chemistry II~~
~~Laboratory~~

Fine Arts and Humanities (6 hours)

Select 3 hours Fine Arts from state minimum core

Select 3 hours Humanities from state minimum core

Social Sciences (9 hours)

AGEC 1103

or ECON 2023

Principles of Agricultural
Microeconomics

Principles of Microeconomics (ACTS
Equivalency = ECON 2203)

Select 6 hours Social Sciences from State Minimum Core

~~Poultry Science Core (26 hours)~~

Poultry Science Core (35 hours)

POSC 1003

POSC 2343

POSC 2353

POSC 3033

~~POSC 4213~~

Introduction to Poultry Science

Poultry Production

Poultry Breeder Management

Animal Physiology

~~Integrated Poultry Management~~
~~Systems~~

Principles of Genetics

General Genetics

Poultry Diseases

Avian Anatomy

Egg and Meat Technology

POSC 3123

or BIOL 2323

POSC 3223

POSC 3554

POSC 4314

6

9

~~26~~

35

Poultry Nutrition

Poultry Science-Controlled Electives (15 hours)

15

Select 6 hours from the following:

AGEC-2303

PHYS-2013

& PHYS-2011L

PHYS-2033

& PHYS-2031L

Select 3 hours from the following:

POSC 4801

POSC 4811

POSC 4821

POSC 4831

Select 6 hours from the following:

POSC-3013

POSC-3381

POSC-3513

or POSC-3513H

POSC-400V

Select 3 hours from the following:

AFLS 400VH

POSC 401V

POSC-4033

POSC-4233

POSC-4923

POSC-Elective (3 hours)

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

12

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

12

adviser**20 hours from concentration requirements (PSID, PSPP)****20**

Total Hours

120

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 for university requirements of the program.

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 2023 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)

- -

~~8. CHEM 1121L University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab)~~

& 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 Laboratory2	-	-
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 Laboratory3	-	-
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)	-	-
General Elective (3 hours)	-	-

Discipline-Related Elective	3	-
POSC 4343 Poultry Nutrition	-	3
General Elective	-	3
POSC Controlled Elective	-	3
POSC 4801 Seminar: Research Topics or POSC 4821 Seminar: Problem Solving	-	1
Discipline-Related Elective	-	3
Year Total:		
Total Units in Sequence:		0

Are Similar Programs available in the area?

No

Estimated Student Demand for Program NA

Scheduled Program Review Date 2024-2025

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

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.	This reflects the general education learning outcome requirements and addition of proposed/modified course(s). 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.

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.**