

**Major: Animal Sciences (ASCI)  
Concentration: Biosciences (BISC)<sup>1</sup>**

Fall 2024

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Advisor: \_\_\_\_\_

**(.5) AGR 10100 – Ag Orientation<sup>2</sup>** \_\_\_\_\_  
**(.5) AGR 11400 – ANSC Orientation<sup>2</sup>** \_\_\_\_\_

**(9) Written & Oral Communication**

ENGL 10800/10600 or SCLA 10100 (3-4) \_\_\_\_\_  
*or any UCC-approved Written Communication course*

COM 11400/21700, EDPS 31500, or SCLA 10200 (3) \_\_\_\_\_  
*or any UCC-approved Oral Communication course*

Written or Oral Com Selective (3) \_\_\_\_\_  
*any ENGL or COM >20000 or other approved Written/Oral Com Selective*

**(15) Social Sciences & Humanities<sup>\*3</sup>**

Economics Selective  
 \_\_\_\_\_ (3) \_\_\_\_\_

Humanities Selective (UCC)  
 \_\_\_\_\_ (3) \_\_\_\_\_

Humanities or Social Sciences Selectives  
 \_\_\_\_\_ (3) \_\_\_\_\_  
 \_\_\_\_\_ (3) \_\_\_\_\_  
 \_\_\_\_\_ (3) \_\_\_\_\_

\*A minimum of three credits must be 30000+ level and a minimum of 9 credits must be outside of the College of Ag.

**(28-29) Math & Basic Sciences**

BIOL 11000 (4) \_\_\_\_\_  
 BIOL 11100 (4) \_\_\_\_\_  
 CHM 11500 (4) \_\_\_\_\_ CHM 11100 (3) \_\_\_\_\_  
 CHM 11600 (4) \_\_\_\_\_ *or* CHM 11200 (3) \_\_\_\_\_  
 CHM 11600<sup>4</sup> (4) \_\_\_\_\_  
 MA 16010 (3) \_\_\_\_\_  
 ANSC 22100 (3) \_\_\_\_\_  
 CHM 25700 (4) \_\_\_\_\_  
 STAT 30100<sup>5</sup> (3) \_\_\_\_\_

**(3) Science, Technology, & Society<sup>2</sup>**

ANSC 10200 (3) \_\_\_\_\_

**Multicultural Awareness<sup>9</sup>**

\_\_\_\_\_ (0) \_\_\_\_\_

<sup>1</sup>At least 32 credits must be 30000+ level at Purdue or Purdue regional campuses. See reverse for additional details.

**(56) Departmental Requirements**

BCHM 30700 (3) \_\_\_\_\_

BCHM 30900 (1) \_\_\_\_\_

**Science Selectives<sup>6</sup>** [12]  
 \_\_\_\_\_ ( ) \_\_\_\_\_  
 \_\_\_\_\_ ( ) \_\_\_\_\_  
 \_\_\_\_\_ ( ) \_\_\_\_\_  
 \_\_\_\_\_ ( ) \_\_\_\_\_  
 \_\_\_\_\_ ( ) \_\_\_\_\_

**Required ANSC Courses** [24]

ANSC 18100<sup>2</sup> (1) \_\_\_\_\_  
 ANSC 12100 (2) \_\_\_\_\_  
 ANSC 23000 (4) \_\_\_\_\_  
 ANSC 24000 (3) \_\_\_\_\_  
 ANSC 25500 (3) \_\_\_\_\_  
 ANSC 31100 (4) \_\_\_\_\_  
 ANSC 33300 (3) \_\_\_\_\_  
 ANSC 44000-44600 (3) \_\_\_\_\_  
 ANSC 48100 (1) \_\_\_\_\_

**ANSC Restricted Selectives<sup>6</sup>** [10]

*Select 10 credits from a minimum of 3 of the below areas.*

Behavior/Welfare ( ) \_\_\_\_\_  
 Genetics ( ) \_\_\_\_\_  
 Nutrition ( ) \_\_\_\_\_  
 Physiology ( ) \_\_\_\_\_  
 Production/Management ( ) \_\_\_\_\_  
 Products ( ) \_\_\_\_\_  
 Reproduction ( ) \_\_\_\_\_

**(13-14) Free Electives<sup>8</sup>**

\_\_\_\_\_ ( ) \_\_\_\_\_  
 \_\_\_\_\_ ( ) \_\_\_\_\_  
 \_\_\_\_\_ ( ) \_\_\_\_\_  
 \_\_\_\_\_ ( ) \_\_\_\_\_  
 \_\_\_\_\_ ( ) \_\_\_\_\_  
 \_\_\_\_\_ ( ) \_\_\_\_\_  
 \_\_\_\_\_ ( ) \_\_\_\_\_

**International Understanding<sup>10</sup>**

\_\_\_\_\_ (0) \_\_\_\_\_  
 \_\_\_\_\_ (0) \_\_\_\_\_  
 \_\_\_\_\_ (0) \_\_\_\_\_

**Capstone Experience<sup>11</sup>**

\_\_\_\_\_ (0) \_\_\_\_\_

## Major: Animal Sciences (ASCI) Concentration: Biosciences (BISC)<sup>1</sup>

Fall 2023

**Opportunities in Animal Sciences—Biosciences: Research careers in nutrition, growth and development, animal genetics, reproduction, and management. Students who aspire to have/aspire/achieve careers in research and teaching in colleges and universities should enroll in this option. It can also be used in preparation for professional schools such as medical doctors, dentists, and employment with pharmaceutical industries.**

- Minimum number of credits required for graduation is 120. For ASCI majors, all ANSC courses must be taken for a grade except for ANSC 29300/49300. Cumulative GPA for ANSC courses must be  $\geq 2.00$  to graduate. All ANSC courses taken for a grade will be part of the ANSC index regardless of whether it can be used in the plan of study. A minimum of 32 credits must be 30000+ level taken at Purdue University or its regional campuses. If credit from another university is transferred to Purdue and posted as 30000+, it does not count toward the 30000-level requirement. The following are not applicable as credit toward graduation: CHM 10000; ENGL 10000, 10900; ENGR 19100, 19200, 19300; MA 11100, 12300, 13300, 13400, 15100, 15500; PHYS 14900; STAT 11300, 11400; and all General Studies courses except GS 1000 or 49000 (Discovery Park Undergraduate Research). Of MA 15200, 15300, 15400, and 15800, only one course can be used as an elective.
- All ASCI students classified as 01 are required to take AGR 10100 and AGR 11400. ASCI students classified as 01 or 02 are required to take ANSC 18100. Transfer students are not required to take AGR 10100/AGR 11400 or ANSC 18100. ASCI majors classified as 01-04 are required to establish credit in ANSC 10200.
- At least 15 credit hours are needed to satisfy the Social Sciences and Humanities requirement. A minimum of 3 credits must be 30000+ level and a minimum of 9 credits must be from outside the College of Agriculture. Economics Selective options are listed below. Note that either AGECE 21700 or ECON 21000 can be used in the plan of study, but not both. A full list of Humanities and Social Science options (including courses that can also be used to fulfill Multicultural Awareness and International Understanding requirements) can be found on the Ag Core Courses spreadsheet. See <https://ag.purdue.edu/department/oap/docs/coa-chss-courses-protected.xlsx> or your advisor for more information.

Economics Selective Options:

AGEC 20300 (3) Intro Microeconomics for Food and Agribusiness	ECON 25100 (3) Microeconomics
AGEC 20400 (3) Intro to Resource Economics and Environmental Policy	ECON 25200 (3) Macroeconomics
AGEC 21700 (3) Economics	ECON 21000 (3) Principles of Economics

- Both CHM 11200 and 11600 cannot be used for credit. When CHM 11100, 11200 and 11600 are taken, only seven credits count towards graduation. If CHM 11100, 11500 and 11600 are taken, CHM 11100 cannot be used for credit.
- Maximum of 1 class in STAT 30100, 35000, 50100 and a maximum of 1 class in 50300 and 51100.
- Science Selectives. Twelve (12) credits are required. ANSC 49100 highly recommended but cannot exceed 6 credits.
 

ABE 22600 (2) Biotechnology Laboratory I ABE 22700 (2) Biotechnology Laboratory II AGR 33300 (3) Data Science for Agriculture *AGRY 32000 (3) Genetics *AGRY 32100 (1) Genetics Lab AGRY 50500 (3) Forage Management * ANSC > 30000 <i>except</i> ANSC 49300 ASM 59100 (3) Intro to Ag Informatics BCHM 22100 (3) or any BCHM $\geq 32200$ BIOL $\geq 21200$ BME 50100 (3) Multivariate Analyses in Biostatistics CHM 22400 (4) Introductory Quantitative Analysis, CHM 29000 (3) Bioanalytical Chemistry, or any CHM $\geq 32100$ (except CHM 50000, 50200 or 51300. Credit for both CHM 33300 and BCHM 30700 cannot be granted.) CNIT 22700 (2) Introduction to Bioinformatics CNIT 26700 (3) Introduction to C++ Language Programming	CS $\geq 14500$ ENTM 24200 (3) Data Science ENTM 22820 (4) Forensic Analysis ENTM 32820 (3) Medico-Legal Entomology ENTM 52500 (3) Medical and Veterinary Entomology FNR 30500 (3) Conservation Genetics FS 34100 (2) Food Processing I FS 36200 (3) Food Microbiology FS 44200 (2) Food Processing II HORT 53000 (3) Introduction to Computing For Biologists HSCI $\geq 30500$ MA $\geq 26100$ PHIL 42100 (3) Philosophy of Science Any PHYS <i>except</i> 14900, 16000, 21400, 21800, or 27000 STAT > 50000 (STAT 50100 cannot be used if STAT 30100 has been taken. If using STAT 50300 as your STAT selective, you cannot also use it as a science selective.)
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- Animal Sciences Restricted Selectives. Students are required to complete **10 credits** from a minimum of **three** of the following disciplines.

Behavior/Welfare	Genetics	Nutrition	Physiology	Production/Mgmt	Products	Reproduction
ANSC 30300 (3)	AGRY 32000 (3)	ANSC 32500 (2)	ANSC 33200 (2)	ANSC 44000 (3)	ANSC 30100 (2)	ANSC 42500 (2)
ANSC 33100 (3)	AGRY 32100 (1)	ANSC 32600 (2)	ANSC 41500 (3)	ANSC 44100 (3)	ANSC 35100 (3)	ANSC 42600 (2)
ANSC 40400 (3)	ANSC 51300 (3)	ANSC 52200 (3)	ANSC 53700 (3)	ANSC 44200 (3)	ANSC 35101 (1)	ANSC 53400 (3)
ANSC 50500 (3)	ANSC 51600 (3)	ANSC 52400 (3)	ANSC 55500 (3)	ANSC 44300 (3)	ANSC 36000 (3)	
	BIOL 41500 (3)			ANSC 44400 (3)	ANSC 55200 (3)	
				ANSC 44500 (3)	ANSC 55500 (3)	
				ANSC 44600 (3)		

- \* You may only use in either science selectives or ANSC Restricted selectives, only one or the other but not both areas
- Highly recommended: ANSC 49100/ANSC 49300. Combination of 37000, 37100, 37200, 47000, 47100 and 47200 cannot exceed 3 credits.
- Multicultural Awareness Requirement: This requirement should be met by taking an appropriate course from the multicultural awareness selective list.
- International Understanding Requirement: A minimum of 9 credits may be taken from the International Understanding list, equivalent study abroad programs, international work experiences or international travel course. Courses that satisfy international understanding criteria can be used anywhere in the plan of study.
- Capstone experience: ANSC 48100 plus one course from production/management block (ANSC 44000-44600).