

Major: Animal Sciences (ASCI) Concentration: Biosciences (BISC)¹

Fall 2023

Name: _____

Date: _____ Advisor: _____

(.5) AGR 10100 – Ag Orientation² _____
(.5) AGR 11400 – ANSC Orientation² _____

(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^{*3}

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 11600⁴ (4) _____
 MA 16010 (3) _____
 ANSC 22100 (3) _____
 CHM 25700 (4) _____
 STAT 30100⁵ (3) _____

(3) Science, Technology, & Society²

ANSC 10200 (3) _____

Multicultural Awareness⁹

_____ (0) _____

¹At 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 Selectives⁶ [12]
 _____ () _____
 _____ () _____
 _____ () _____
 _____ () _____

Required ANSC Courses [24]

ANSC 18100² (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 Selectives⁶ [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 Electives⁸

_____ () _____
 _____ () _____
 _____ () _____
 _____ () _____
 _____ () _____
 _____ () _____
 _____ () _____

International Understanding¹⁰

_____ (0) _____
 _____ (0) _____
 _____ (0) _____

Capstone Experience¹¹

_____ (0) _____

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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 ≥ 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:
 AGECE 20300 (3) Intro Microeconomics for Food and Agribusiness ECON 25100 (3) Microeconomics
 AGECE 20400 (3) Intro to Resource Economics and Environmental Policy ECON 25200 (3) Macroeconomics
 AGECE 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 ENTM 24200 (3) Data Science
 ABE 22700 (2) Biotechnology Laboratory II ENTM 22820 (4) Forensic Analysis
 AGR 33300 (3) Data Science for Agriculture ENTM 32820 (3) Medico-Legal Entomology
 AGRY 50500 (3) Forage Management ENTM 52500 (3) Medical and Veterinary Entomology
 ANSC > 30000 *except* ANSC 49300 FNR 30500 (3) Conservation Genetics
 ASM 59100 (3) Intro to Ag Informatics FS 34100 (2) Food Processing I
 BCHM 22100 (3) or any BCHM ≥ 32200 FS 36200 (3) Food Microbiology
 BIOL ≥ 21200 FS 44200 (2) Food Processing II
 BME 50100 (3) Multivariate Analyses in Biostatistics HORT 53000 (3) Introduction to Computing For Biologists
 CHM 22400 (4) Introductory Quantitative Analysis, CHM HSCI ≥ 30500
 29000 (3) Bioanalytical Chemistry, or any CHM ≥ 32100 MA ≥ 26100
 (except CHM 50000, 50200 or 51300. Credit for both CHM PHIL 42100 (3) Philosophy of Science
 33300 and BCHM 30700 cannot be granted.) Any PHYS *except* 14900, 16000, 21400, 21800, or 27000
 CNIT 22700 (2) Introduction to Bioinformatics STAT > 50000 (STAT 50100 cannot be used if STAT 30100 has been taken. If
 CNIT 26700 (3) Introduction to C++ Language Programming using STAT 50300 as your STAT selective, you cannot also use it as a science
 CS ≥ 14500 selective.)
- 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 40400 (3) | AGRY 32100 (1) | ANSC 32600 (2) | ANSC 41500 (3) | ANSC 44100 (3) | ANSC 35100 (3) | ANSC 42600 (2) |
| | ANSC 51300 (3) | ANSC 52200 (3) | ANSC 53700 (3) | ANSC 44200 (3) | ANSC 35101 (1) | ANSC 53400 (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) | | |
- 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).