Curriculum Flow Chart for Computer Science + Animal Sciences

* CS tech must be 400-level CS above CS 403, excluding CS 421 and CS 491.

Follow the College of ACES General Education & Language Requirements.

A line from one course to another indicates that the first course is a prerequisite for the second, concurrent enrollment acceptable where there are straight arrows, curved arrows indicate courses can be taken in either order but should not be taken together.

**See course explorer for course prerequisites: [https://courses.illinois.edu/](https://courses.illinois.edu/)

***Consult CPSC Advisor for recommendations.
Curriculum Plan: Computer Science + ANSC Beginning Fall 2021

### General Education Requirements
- Composition & Speech RHET 105 + CMN 101 or CMN 111 + CMN 112
- Advanced Composition
- 3rd Level Language (LOTE)
- 3hrs Humanities and the Arts
- 3hrs Humanities and the Arts
- 3hrs Social and Behavioral Science*
- 3hrs Social and Behavioral Science
- 3hrs Natural Sciences & Technology*
- 3hrs Natural Sciences & Technology*

*Completed with Animal Sciences Foundation Courses

### Cultural Studies
- Western Culture
- Non-Western Culture
- US Minority Culture

### Math Courses
- MATH 220 5hrs, Calc or MATH 221 4hrs, Calc I
- MATH 231 3hrs, Calc II
- MATH 257 3hrs, Lin Alg w/Comp. Apps. or MATH 225 2hrs, Into Matrix Theory

### Computer Science Courses
- CS 100 1hr, Fresh Orientation (Recommended)
- CS 124 3hrs, Intro to Computer Science I
- CS 128* 3hrs, Intro to Computer Science II
- CS 173** 3hrs, Discrete Structures
- CS 222* 1hr, Software Design Lab
- CS 225** 4hrs, Data Structures
- CS 240** 3hrs, Intro to Computer Systems
- CS 241** 4hrs, Systems Programming
- CS 233** 4hrs, Computer Architecture
- CS 361** Probability and Stats for CS
- CS 374** 4hrs, Algorithms and Models of Comp
- CS 357** 3hrs, Numerical Methods
- CS 421** 3hrs, Programing Languages and Compilers

*Has prerequisites and/or co-requisite; See Course Explorer & if you have earned credit for CS 225, see a CS advisor

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***400 level above CS 403, excluding CS 421 and CS 491. These two courses must be distinct from all other courses used to fulfill program requirements or options.

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### Animal Sciences Foundation:
- CHEM 102 & CHEM 103 (NAT), 4hrs
- CHEM 104 & CHEM 105 (NAT), 4hrs
- ECON 102 or ACE 100 (SBS), 3hrs

### Animal Sciences Core:
- ANSC 100 3hr, Intro to ANSC
- ANSC 221* 3hrs, Cells, Metabolism, & Genetics
- ANSC 222* 3hrs, Anatomy & Physiology
- ANSC 223* 3hrs, Animal Nutrition
- ANSC 224* 4hrs, Animal Reproduction & Growth
- ANSC 398** 1hrs, Undergrad Experiential Learning
- ANSC 498* 2hrs, Interg. Animal Sciences

### Applied Animal Sciences 9 hrs**
- ANSC
- ANSC
- ANSC

### Basic Animal Sciences 9 hrs**
- ANSC
- ANSC
- ANSC

*Has prerequisites and/or co-requisite; See Course Explorer & if you have earned credit for CS 225, see a CS advisor

**Consult ANSC Advisor

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### Additional Notes

To meet a course’s prerequisites you will need to have earned the listed prerequisite credit or be on path to earn the prerequisite credit before the course begins. Some courses are offered fall-only or spring-only. Be sure to plan ahead! Working ahead in your CS coursework does not guarantee entrance into the next CS course.

It is recommended that you work in concert with your assigned academic advisor to ensure you are on track to successfully complete your degree.