

## COMPUTER SCIENCE + CROP SCIENCES (CS+CPSC) (Fall 2020)

Academic Advisor: Scott Bartlett, sbartlet@illinois.edu

AE-116 Turner Hall, MC-046, Phone: 217-244-7930

Schedule Advising Appointment: <https://my.aces.illinois.edu/advising/> Faculty Mentor: \_\_\_\_\_

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

UIN: \_\_\_\_\_

Net ID: \_\_\_\_\_

### GEN ED REQUIREMENTS

#### **Composition I and Speech Communication (6-7 hrs):**

RHET 105 & CMN 101 (7 hrs)

or CMN 111 & CMN 112 (6 hrs)

#### **Advanced Composition (3-4 hrs):**

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#### **\*Cultures (9 hrs):**

Western: \_\_\_\_\_

Non-Western: \_\_\_\_\_

U.S. Minority: \_\_\_\_\_

\*Students entering UIUC prior to Summer 2018 take 6 hours:  
1 Western course and 1 Non-Western OR U.S. Minority course.

#### **Foreign Language (Third Level or Above):**

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#### **Quantitative Reasoning I:**

\*See Mathematical Foundations for specific requirement

#### **Quantitative Reasoning II:**

\*See Mathematical Foundations for specific requirement

#### **Natural Sciences and Technology:**

\*See Crop Sciences Core for specific requirement

#### **Humanities and the Arts (6 hrs):**

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#### **Social and Behavioral Sciences (6 hrs):**

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### ACES REQUIREMENT (0-2 hrs):

ACES 101 (2 hrs -- First Time Freshmen, Fall Only)

ACES 200 (0 hrs -- First Time Transfers, Fall Only)

### MAJOR REQUIREMENTS

#### **Computer Science Core (22 hrs):**

CS 100 (1 hr) (recommended for Freshmen -- Fall Only)

CS 125 (4 hrs) (prereq: 3 years of HS Math or MATH 112)

CS 126 (3 hrs) (prereq: CS 125)

CS 173 (3 hrs) (prereq: CS 125 or ECE 220; MATH 220 or MATH 221)

CS 225 (4 hrs) (prereq: CS 125 or ECE 220; CS 173 or MATH 213)

CS 374 (4 hrs) (prereq: CS 225; MATH 225 or MATH 415)

CS 421 (3 hrs) (prereq: CS 233 and CS 373)

#### **Computer Science Technical Track (8-11 hrs):**

##### **Choose from the following options:**

CS 233 (4 hrs) (prereq: CS 125 and CS 173; credit or concurrent enrollment in CS 225)

&

CS 241 (4 hrs) (prereq: CS 225; credit or concurrent registration in CS 233)

or

CS 240 (3 hrs) (prereq: CS 225 or both CS 205 and CS 110C++)

& any two 400-level CS courses except CS 491:

CS 400-level: \_\_\_\_\_

CS 400-level: \_\_\_\_\_

#### **Mathematical Foundations (12-13 hrs):**

CS 361 (3 hrs) (prereq: MATH 220 or MATH 221; credit or concurrent enrollment in MATH 225)

MATH 220 (5 hrs) (prereq: ALEKS Score)

or MATH 221 (4 hrs) (prereq: ALEKS Score)

MATH 225 (2 hrs) (prereq: MATH 220 or MATH 221)

MATH 231 (3 hrs) (prereq: MATH 220 or MATH 221)

#### **Crop Sciences Core (16 hrs):**

CPSC 102 (2 hrs -- First Time Freshmen & First Time Transfers)

CPSC 112 (4 hrs)

CPSC 393 (3 hrs)

or CPSC 395 (3 hrs)

CPSC 498 (1 hr) (prereq: Junior Standing)

#### **Choose two of the following (6 hrs):**

CPSC 226 (3 hrs) (prereq: CPSC 112 or HORT 100 or IB 103)

CPSC 270 (3 hrs)

PLPA 204 (3 hrs)

#### **Foundational Data Analytics (6-8 hrs):**

CPSC 440 (4 hrs) (prereq: MATH 112)

##### **And select one of the following:**

CPSC 441 (2 hrs) (prereq: MATH 112 or equivalent, an introductory statistics course, and junior standing)

or CPSC 444 (4 hrs) (prereq: CPSC 440 or equivalent, and some familiarity with R)

#### **Crop Sciences Electives (6 hrs):**

CPSC/HORT/PLPA 1XX-3XX (except CPSC 241):

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CPSC/HORT/PLPA 4XX:

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**UIUC requires 60 hours in residence, 21 hours of which must be at the 300 or 400-level.**

**GPA Requirement: 2.0**

**126 total hours are required for graduation, 40 hours of which must be at the 300 or 400-level.**

Degree Audit: [https://uachieve.apps.uillinois.edu/uachieve\\_uiuc/](https://uachieve.apps.uillinois.edu/uachieve_uiuc/)

### NOTES: