Curriculum Flow Chart for the Computer Science + ADV

*For CS + ADV, students will use MATH 220/221 as the prerequisite for ADV 281 in place of STAT 100

** CS 242 if you entered the major with credit for CS 225

***ADV 460 and ADV 483 have prerequisite of ADV 283 and ADV 284

CS 4— Technical electives will be chose in consultation with CS advisors.
## General Education Requirements

- Composition 1
- Advanced Composition
- 3hrs Western Cultures
- 3hrs Non-Western Cultures
- 3hrs US Minority Cultures (FA18 & after)
- 3hrs Humanities and the Arts
- 3hrs Humanities and the Arts
- 3hrs Social and Beh. Science
- 3hrs Social and Beh. Science
- 3hrs Natural Sciences & Technology
- 3hrs Natural Sciences & Technology
- 3rd Level Language

## Additional Notes

Prerequisites means you should have a successful grade earned before continuing on to the next course.

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.

- **124 hours required for graduation**

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## Computer Science Courses

- CS 100 1hr, Freshman Orientation
- CS 125 4hrs, Intro to Computer Science
- CS 126* 3hrs, Software Design Studio  
  (Prereq CS 125)
- CS 173 3hrs, Discrete Structures  
  (CS 125 and CALC)
- CS 225 4hrs, Data Structures  
  (Prereq CS 125 and CS 173)
- CS 240 3hrs, Intro to Computer Systems  
  (Prereq CS 125 and CS 173; CS 225)
- CS 374 4hrs, Algorithms and Models of Comp  
  (Prereq CS 225)
- CS 421 3hrs, Programing Languages and Compilers  
  (Prereq CS 240 and CS 374)
- CS 4— Tech Elective 3hrs,  
  chosen in consultation with CS advisor
- CS 4— Tech Elective 3hrs,  
  chosen in consultation with CS advisor

*Transfer students entering with CS 225 credit must take CS 242 instead of CS 126.

## Math Courses

- MATH 220 5hrs, CALC or 221 CALC I 4hrs
- MATH 231 3hrs, CALC II
- MATH 225 2hrs, Intro Matrix Theory
- CS 361 3hrs, Probability and Stats for CS

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## Foundation Courses:

- ANTH 103, PSYC 100 or SOC 100
- ECON 102
- ECON 103
- BADM 320

## Advertising Core:

- MDIA 100 1hr, COM Orientation
- ADV 150 3hrs, Intro to ADV
- ADV 281 3hrs, ADV Research Methods*
- ADV 283 3hrs, ADV & Brand Strategy*
- ADV 284 3hrs, Consumer Insight*
- ADV 390 3hrs, Content Creation*
- ADV 460 3hrs, Innovation in ADV*
- ADV 483 3hrs, Audience Analysis*
- ADV 461 3hrs, Computational ADV*
- ADV 492 3hrs, Tech & ADV Campaigns*

*Denotes there is a Prereq that must be completed before taking ADV course.