Group I: CS 361 (preferred) or Stat 200 or STAT 212

* Check with LING advisor for appropriate topics.

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

^ Denotes LING courses that have prerequisites, the prerequisites can be found in Course Explorer
## Curriculum Plan: CS + LING, who entered Fall 2018 and after

### Name: ____________________________  UIN: ____________________________  Date: __________

### LAS 100

#### 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**
- **4th Level Language**

### 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 233 4hrs, Computer Architecture** (Prereq CS 125 and CS 173; CS 225 or concurrent)
- **CS 241 4hrs, System Programming** (Prereq CS 225; CS 233)
- **CS 374 4hrs, Algorithms and Models of Comp** (Prereq CS 225)
- **CS 421 3hrs, Programming Languages and Compilers** (Prereq CS 233 and CS 374)

*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 Statistics for Computer Science (preferred), STAT 200 or STAT 212**

### Math Courses

### Required LING Courses

- **LING 100 3hrs, Intro to Language Science**
- **LING 200-level breadth course 3hrs**
- **LING 301 3hrs, Elements of Syntax**
- **LING 307 3hrs, Elmnts Semantics & Pragmatics**
- **LING 406 3hrs, Intro to Computational LING**
- **LING 490 3/4hrs, see LING advisor for appropriate topics**
- **TRST 415 3hrs, Machine Translation: History and Applications**
- **CS 446 3/4hrs, Machine Learning**

### Minimum 24 hours of approved LING coursework

- **120 hours required for graduation**

### 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.

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## Computer Science Courses

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