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Statistics
**COLLEGE OF LIBERAL ARTS & SCIENCES**

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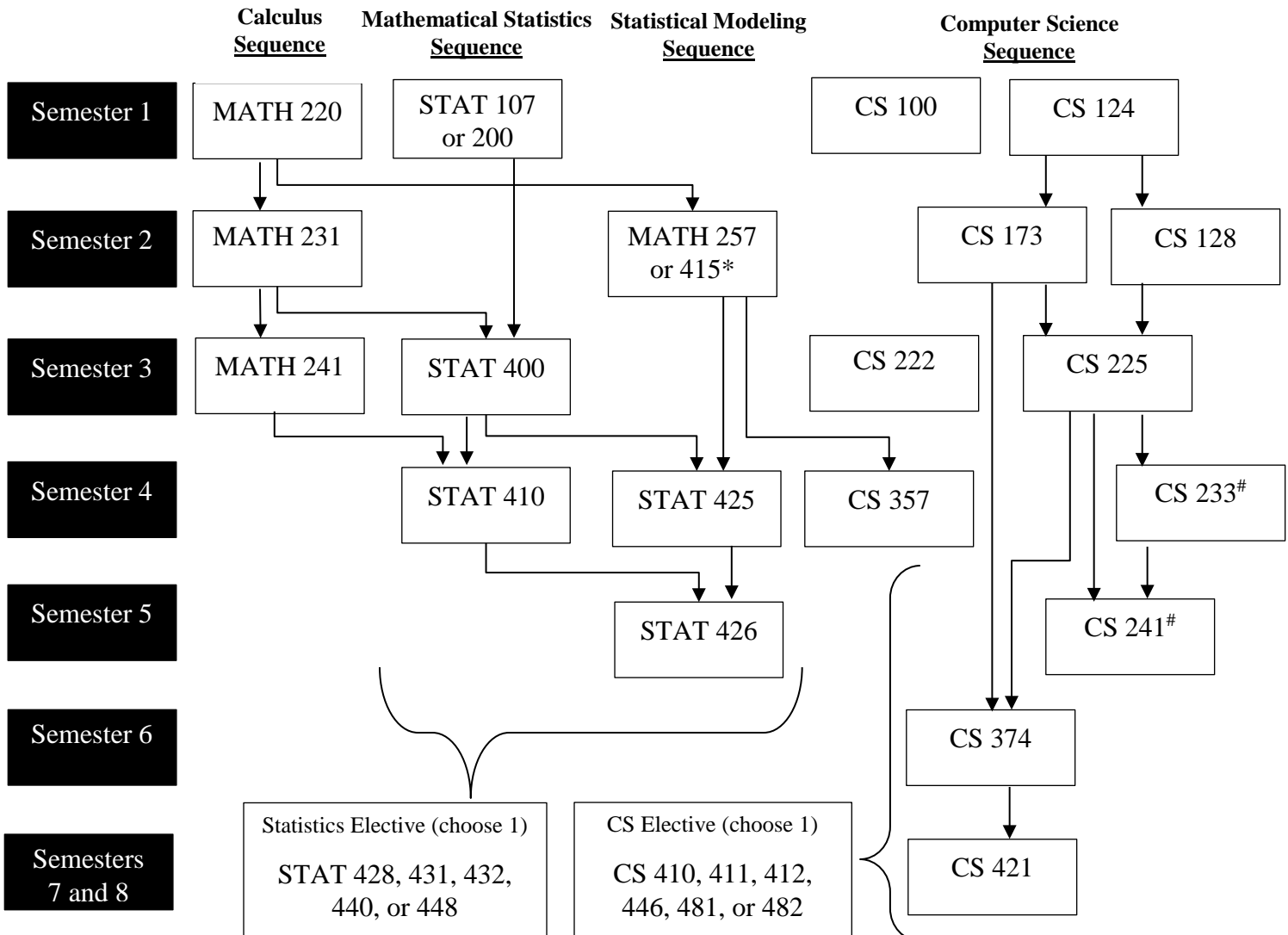undergrad@cs.illinois.edu
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**Worksheet for the Statistics & Computer Science Major**

**A Traditional Four-Year Plan for Incoming First-Year Students**

This flow chart represents a typical path for a student studying towards a degree in Stat&CS. Students have been most successful when taking, on average, <u>three major courses per semester</u>.

| | Calculus Sequence | Mathematical Statistics Sequence | Statistical Modeling Sequence | Computer Science Sequence | |
|---|---|---|---|---|---|
| **Semester 1** | MATH 220 | STAT 107 or 200 | | CS 100 | CS 124 |
| **Semester 2** | MATH 231 | | MATH 257 or 415* | CS 173 | CS 128 |
| **Semester 3** | MATH 241 | STAT 400 | | CS 222 | CS 225 |
| **Semester 4** | | STAT 410 | STAT 425 | CS 357 | CS 233# |
| **Semester 5** | | | STAT 426 | | CS 241# |
| **Semester 6** | | | | CS 374 | |
| **Semesters 7 and 8** | | Statistics Elective (choose 1) STAT 428, 431, 432, 440, or 448 | CS Elective (choose 1) CS 410, 411, 412, 446, 481, or 482 | CS 421 | |

\* MATH 415 has a prerequisite of MATH 241. MATH 415 is recommended for those preparing to enter graduate school in Statistics and/or Data Science. Consult with Stat Advising for schedule assistance.

\# The sequence of CS 233 and CS 241 may be replaced by CS 240 and two CS 4XX courses. If the replacement is chosen, courses in AI, Machine Learning, and those with application to Statistics are recommended. Consult with Stat Advising and/or CS Advising for assistance.

*Please note: the Stat&CS major requirements will likely be changing in the coming semesters. If you are currently a declared Stat&CS major, you can choose to follow either the old/current requirements (listed here and/or on your degree audit) or the new/future requirements. Students who join the major after the new requirements are released will need to follow those new requirements.*

# General Education Requirements

- ☐ Language other than English (4 levels)
- ☐ Composition I
- ☐ Advanced Composition
- ☐ ☐ Humanities and the Arts (6 hours)
- ☐ ☐ Social and Behavioral Sciences (6 hours)
- ☐ ☐ Natural Sciences and Technology (6 hours)
- ☑ ☑ Quantitative Reasoning (eventually fulfilled by Calculus I and II)
- ☐ Western/Comparative Cultures (1 course)
- ☐ Non-Western Cultures (1 course)
- ☐ U.S. Minority Cultures (1 course)

**Notes:**