ILLINOIS
Statistics
COLLEGE OF LIBERAL ARTS & SCIENCES

Department of Statistics
Undergraduate Advising Team
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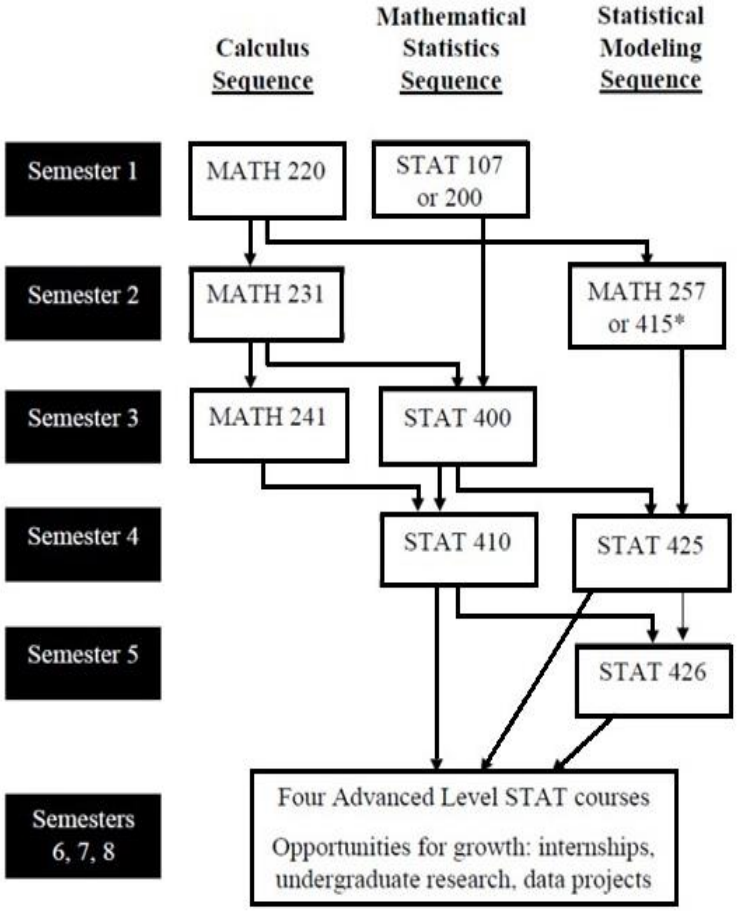
Worksheet for the Statistics Major

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 statistics. Students have been most successful when taking two major courses per semester.



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

A Traditional Two-Year Plan for Incoming Transfers

To transfer into the Statistics major, students must have successfully completed calculus through MATH 241, and one of STAT 400 (preferred), STAT 408, or MATH 461 with a grade of B- or better.

Year	Fall	Spring
3rd	STAT 400 MATH 415	STAT 410 STAT 425
4th	STAT 426 and four STAT 4xx electives spread out over final two semesters. Select courses also available in Summer.	

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)

Advanced Electives in Statistics

Elective Courses	Title	Prerequisite (* = corequisite)	Semester Offered#
STAT 385	Statistical Programming Methods	STAT 107/200/212	Fa, Sp
STAT 424	Analysis of Variance	STAT 410, MATH 415	Sp
STAT 427	Statistical Consulting	STAT 425	Sp
STAT 428	Statistical Computing	STAT 410	Fa, Sp
STAT 429	Time Series Analysis	STAT 410	Fa, Sp
STAT 430	Topics in Applied Statistics	varies	Fa, Sp
STAT 431	Applied Bayesian Analysis	STAT 410, R	Fa
STAT 432	Basics of Statistical Learning	STAT 425	Fa, Sp
STAT 433	Stochastic Processes	STAT 400, MATH 415	Fa, Sp
STAT 434	Survival Analysis	STAT 410 and 425	Fa
STAT 440	Statistical Data Management	STAT 400	Fa, Sp
STAT 443	Professional Statistics	STAT 420	Fa
STAT 447	Data Science Programming Methods	STAT 410, R	Fa
STAT 448	Advanced Data Analysis	STAT 410*	Fa, Sp, Su
STAT 480	Data Science Foundations	STAT 425**	Fa
MATH 444/447	Elm.Real Analysis/Real Variables	MATH 347	Fa, Sp, Su

*Co-requisite **Requires proficiency in high-level programming language like Python, C++

Based on recent history; future schedules may differ.

Notes: