

Statistics Minor

Program Requirements

- **Total units required:** 27
 - Six required courses
 - Three elective courses (from list)

Required Courses

| Code | Title | Units |
|---|---|-----------|
| CSE 131 | Introduction to Computer Science | 3 |
| Math 131 | Calculus I | 3 |
| Math 132 | Calculus II | 3 |
| Math 233 | Calculus III | 3 |
| Math 309 or Math 429 | Matrix Algebra Linear Algebra | 3 |
| SDS 3200 or SDS 494 | Elementary to Intermediate Statistics and Data Analysis Mathematical Statistics | 3 |
| Three upper-level statistics electives chosen from the list below | | 9 |
| Total Units | | 27 |

Statistics Electives

| Code | Title | Units |
|----------|--|-------|
| SDS 322 | Biostatistics | 3 |
| SDS 420 | Experimental Design | 3 |
| SDS 434 | Survival Analysis | 3 |
| SDS 439 | Linear Statistical Models | 3 |
| SDS 4392 | Advanced Linear Statistical Models | 3 |
| SDS 459 | Bayesian Statistics | 3 |
| SDS 460 | Multivariate Statistical Analysis | 3 |
| SDS 461 | Time Series Analysis | 3 |
| SDS 462 | Mathematical Foundations of Big Data | 3 |
| SDS 475 | Statistical Computation | 3 |
| SDS 493 | Probability | 3 |
| SDS 494 | Mathematical Statistics | 3 |
| SDS 495 | Stochastic Processes | 3 |
| SDS 496 | Topics in Statistics | 3 |
| SDS 5061 | Theory of Statistics I | 3 |
| SDS 5062 | Theory of Statistics II | 3 |
| SDS 5071 | Advanced Linear Models I | 3 |
| SDS 5072 | Advanced Linear Models II | 3 |
| SDS 5531 | Advanced Statistical Computing I | 3 |
| SDS 5532 | Advanced Statistical Computing II | 3 |
| SDS 5595 | Topics in Statistics: Spatial Statistics | 3 |
| SDS 579 | Topics in Statistics | 3 |
| SDS 586 | Topics in Statistics | 3 |

Additional Information

1. All required courses (both lower- and upper-level courses) must be completed with a letter grade of C- or better.
2. Math 318 Introduction to Calculus of Several Variables and Math 308 Mathematics for the Physical Sciences cannot both be used to fulfill minor requirements.
3. Courses transferred from other accredited colleges and universities can be counted with department approval and with the following caveats:
 - a. Courses transferred from a two-year college (e.g., a community college) cannot be used to satisfy upper-level requirements.
 - b. At least 6 of the upper-level units required in a minor must be earned at Washington University or in a Washington University-approved overseas study program.
 - c. Courses from the School of Continuing & Professional Studies cannot be used to fulfill minor requirements.
4. No upper-level course used to satisfy a minor requirement can be counted toward the requirements of any other major or minor (i.e., no double-counting of courses).
5. At most, one approved upper-level course from another department may be used for the upper-level courses for the minor.

Phone: 314-935-6301
 Email: mathadvising@wustl.edu
 Website: <http://math.wustl.edu>