### COURSE REQUIREMENTS

**Statistical Science M.S.**
- 43 units

**Core**
- STAT 200
- STAT 203
- STAT 204
- STAT 205
- STAT 206
- STAT 207
- STAT 208
- STAT 280B

**Electives**
- ________  ________
- ________  ________

**Statistical Science Ph.D.**
- 58 Units

**Core**
- STAT 200
- STAT 203
- STAT 204
- STAT 205B
- STAT 206B
- STAT 207
- STAT 208
- STAT 209
- STAT 280B

**Electives**
- ________  ________
- ________  ________
- ________  ________

*None of the elective courses required to satisfy the unit requirements for the M.S. program can be substituted by independent study courses (M.S. Project (STAT 296), Independent Study/Research (STAT 297), or Thesis Research (STAT 299). A list of approved electives is on the reverse of this sheet.*

### Incompletes Pending

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### Failed Courses

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### Other Courses

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### TA Requirement:

Course #1 ________  Qtr  ________
Course Requirements

Statistical Science M.S.

Students in the M.S. program must take the following eight core courses:

STAT 200: Research and Teaching in Statistics
STAT 203: Introduction to Probability Theory
STAT 204: Introduction to Statistical Data Analysis
STAT 205: Introduction to Classical Statistical Learning
STAT 206: Applied Bayesian Statistics
STAT 207: Intermediate Bayesian Statistical Modeling
STAT 208: Linear Statistical Models
STAT 280B: Seminars in Statistics

The strict requirement for STAT 280B is for students to take it once in their first year in the program. However, students are strongly recommended to take STAT 280B each quarter throughout their graduate studies.

All core courses must be taken for a letter grade (except for STAT 200 and STAT 280B, which are given on a satisfactory/unsatisfactory basis).

M.S. students must complete two additional 5-credit courses from the approved list of elective courses:

STAT: 202, 209, 222, 223, 224, 225, 226, 229, 243, 244, 246
AM: 216, 230, 250
CSE: 242, 243, 249, 261, 263, 272, 277
ECE: 253, 256
ECON: 211A, 211B
ENVS: 215A/L

None of the additional elective courses required to satisfy the unit requirements for the M.S. program can be substituted by independent study courses (STAT 296: M.S. Project, STAT 297: Independent Study/Research, or STAT 299: Thesis Research).

Statistical Science Ph.D.

Students in the Ph.D. program must take the following nine core courses:

STAT 200: Research and Teaching in Statistics
STAT 203: Introduction to Probability Theory
STAT 204: Introduction to Statistical Data Analysis
STAT 205B: Intermediate Classical Inference
STAT 206B: Intermediate Bayesian Inference
STAT 207: Intermediate Bayesian Statistical Modeling
STAT 208: Linear Statistical Models
STAT 209: Generalized Linear Models
STAT 280B: Seminars in Statistics

The strict requirement for STAT 280B is for students to take it once in their first year in the program. However, students are strongly recommended to take STAT 280B each quarter throughout their graduate studies.

All core courses must be taken for a letter grade (except for STAT 200 and STAT 280B, which are given on a satisfactory/unsatisfactory basis).

Ph.D. students must complete four additional 5-credit courses from the approved list of elective courses:

STAT: 202, 209, 222, 223, 224, 225, 226, 229, 243, 244, 246
AM: 216, 230, 250
CSE: 242, 243, 249, 272, 277
ECE: 253, 256
ECON: 211A, 211B
ENVS: 215A/L
MATH: 204, 205, 208

None of the additional elective courses required to satisfy the credit requirements for the Ph.D. program can be substituted by independent study courses (STAT 297: Independent Study/Research or STAT 299: Thesis Research).

Ph.D. students will be required to serve as teaching assistants for at least one quarter during their graduate study. Certain exceptions may be permitted for those with extensive prior teaching experience or those who are not allowed to be employed due to visa regulations.

Detailed and additional requirements for both programs can be found at:
https://catalog.ucsc.edu/Current/General-Catalog/Academic-Units/Baskin-School-of-Engineering