Graduate School

Why graduate school?
• Different (better) job.
• Career change.
• Want to learn more.

Preparation
• Undergraduate degree in
  - Statistics
  - Mathematics
  - Related quantitative field

Preparation
Statistics major
• Additional mathematics courses helpful.
• Math 201, Math 414/415

Preparation
• You need to do well in all your Statistics courses.
• The higher your overall gpa, the better your chances of admission to graduate school.

Preparation
• How you do in Stat 341 - 342, the theory of probability and statistics, is often a good indicator of success in graduate school.
Graduate School

**Preparation**
- You need to do well on all parts of the Graduate Record Exam (GRE®).
  - [www.ets.org/gre](http://www.ets.org/gre)

**GRE®**
- Verbal Reasoning
  - Scores: 200 to 800
  - All Test Takers
    - Mean = 465, SD = 117
  - Mathematical Sciences
    - Mean = 501, SD = 118

- Quantitative Reasoning
  - Scores: 200 to 800
  - All Test Takers
    - Mean = 584, SD = 149
  - Mathematical Sciences
    - Mean = 732, SD = 80

- Analytic Writing
  - Scores: 0 to 6
  - All Test Takers
    - Mean = 4.1, SD = 0.9
  - Mathematical Sciences
    - Mean = 4.4, SD = 0.9

**Letters of Recommendation**
- You will need letters of recommendation from at least two faculty members.
  - Academic advisor
  - Course instructor

**Preparation**
- Admission to graduate school can be highly competitive. The stronger your background in undergraduate school the better your chances of getting admitted.
Graduate School

Types of Programs
- Masters only
- Masters and Ph.D.
- Ph.D. only

Types of Programs
- Theoretical Statistics
- Applied Statistics
- Biostatistics or Epidemiology

Theoretical
- Stanford U.
- U. Cal. Berkeley
- U. Chicago
- Harvard U.
- Purdue U.
- U. of North Carolina

Applied
- Iowa State U.
- No. Carolina State U.
- Kansas State U.
- Texas A&M
- Oklahoma State U.
- Florida State U.

Biostatistics
- U. of Washington
- U.C.L.A.
- Harvard School of Public Health
- Johns Hopkins U.
- U. of Iowa

ASA Website
- www.amstat.org
- Follow links to Education - Graduate, Professional, and Continuing Education - Schools offering degrees in statistics.