

## What is Statistics?

Statistics provides a logical framework for the collection, analysis, and interpretation of data. This data can be used to draw inferences in scientific studies and to make decisions in industrial, business, and governmental enterprises.

Students can earn a B.A. through the College of Liberal Arts or a B.S. through the Institute of Technology. The major differences between the degrees are the differing college requirements between CLA and IT. Within the major, CLA students must complete a senior paper that is not required in IT; and IT students must take an extra science course and three courses of technical electives that are not required in CLA. Both the B.A. and B.S. degrees are administered by the School of Statistics.

Students are advised to acquire a knowledge of a second academic area. Typical examples are industrial engineering, computer science, health science, business and economics, social science, or actuarial science. General information on employment will be found in the brochure "Careers in Statistics" which is available from the Undergraduate Advisor (inquire at 313 Ford Hall), or from the American Statistical Association, 806 - 15th Street, N.W., Washington, D.C. 20005.

## What are the major requirements?

Go to [www.catalogs.umn.edu/programs.html](http://www.catalogs.umn.edu/programs.html) and select "Undergraduate majors."

## How do I declare a Statistics major?

You will be required to declare a major by the time you have completed 60 credits.

1. Talk with someone from the department: an adviser, a professor, or a teaching assistant, to learn more about the major and its requirements.
2. When you decide upon a Statistics major, meet with the director of undergraduate studies to complete a Major Program form.
3. Bring a copy of the form to your CLA student community.
4. If you decide to change your major, contact your CLA student community for information on the new major's declaration process.

## What can I do with a major in Statistics?

### Skills

Statistics majors develop skills that are applicable to a wide variety of careers.

These skills include:

- Strong quantitative reasoning abilities
- Creative problem solving skills
- Analytical and logical reasoning skills
- Independent, self-motivated work ethic

## For more information:

### About the Statistics major:

Undergraduate Advising

313 Ford Hall

(612) 625-8046

<http://www.stat.umn.edu/>

[info@stat.umn.edu](mailto:info@stat.umn.edu)

### About CLA requirements, graduation, and other information about majors:

CLA Languages and

Mathematics Student

Community

114 Johnston Hall

(612) 624-7540

<http://langmath.class.umn.edu>

or

CLA Martin Luther King, Jr.

Program

19 Johnston Hall

(612) 625-2300

<http://www.class.umn.edu/mlk/>

[mlk@class.cla.umn.edu](mailto:mlk@class.cla.umn.edu)

### About careers, internships, and community learning opportunities in this major and others:

Career and Community

Learning Center

135 Johnston Hall

(612) 624-7577

[www.cclc.umn.edu](http://www.cclc.umn.edu)

[cclc@class.cla.umn.edu](mailto:cclc@class.cla.umn.edu)

### About graduation with honors:

CLA Honors Division

20 Nicholson

(612) 624-5522

[www.cla.umn.edu/honors/](http://www.cla.umn.edu/honors/)

[honors@class.cla.umn.edu](mailto:honors@class.cla.umn.edu)

- Ability to formulate clear and persuasive messages
- Listening, clarifying, questioning and responding skills

### **Employment**

Common areas of employment for this major include but are not limited to:

- Business— insurance actuary, research analyst, financial analyst
- Medicine—information management, regression modeling
- Government—public information, campaign research
- Sciences—research and development, computation, experimentation
- Public Relations and Advertising—market research, corporate public affairs, lobbying
- Education—teaching, research, student affairs
- Nonprofit—fundraising, programming, account management

Today's workplace requires individuals with interpersonal skills, the ability to communicate effectively, an ability to solve problems, and adaptability. CLA graduates find that they are well-prepared in all these areas and that their education—especially when combined with experience gained through internships, volunteer positions, past jobs, and other collegiate involvement—makes them competitive.

The **Career & Community Learning Center** provides students with the tools to identify and pursue potential careers. An extensive resource room, career courses and workshops, and a helpful staff are just some of the ways we can help.

### **Remember!**

You have not declared a major until you have:

- completed a Major Program form with your major adviser,
- filed a copy with the major department,
- and filed a copy with your CLA student community.

**Don't forget: keep a copy for yourself!**