

### What will I be studying?

Statisticians use statistical methods to collect and analyze data and to help solve real-world problems in business, engineering, healthcare, or other fields.

### Career Ideas!

**Statisticians can work in any industry or any government agency in a variety of roles\*\*:**

- ❖ Economist
- ❖ Education
- ❖ Computer Programmer Systems
- ❖ Systems Analyst
- ❖ Actuary
- ❖ Data miner
- ❖ Market Research Analyst
- ❖ Financial Analyst
- ❖ Post-secondary Academia & Research
- ❖ Data Analyst/Scientist
- ❖ Statistician
- ❖ Insurance Underwriter

\*\*Please note this is not a complete list of careers



**Science Center (SCA) 239**



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### Contact Us

**USF Math Club**

**Nagle Lectures**

**American Mathematical Society**

**Mathematical Association of America**

**Society of Actuaries**

### Get Involved!

# Example Four Year Plan

| Year 1  |   |   |
|---|---|---|
| Fall  | Spring                                    | Summer  |
| Supporting Science and Lab (CHM, BSC, GLY, PHY)       | STA 2023: Introductory Statistics I       |   |
| MAC 2311: Calculus I**                                | MAC 2312: Calculus II                     | Enhanced Gen-Ed: Info & Data Literacy                     |
| ENC 1101: Composition 1                               | ENC 1102: Composition 2                   |   |
| Core Humanities                                       | Enhanced Gen-Ed: Creative Thinking        |   |
|   |   |   |
|   |   |   |
| Total Hours: 14                                       | Total Hours: 13                           | Total Hours: 3  |
| Year 2  |   |   |
| Fall  | Spring                                    | Summer  |
| Foreign Language Level 1                              | Foreign Language Level 2                  | Upper-Level Non-Major Elective                            |
| MAC 2313: Calculus III                                | STA 4442: Introduction to Probability     | Upper-Level Non-Major Elective                            |
| ST 3024: Introductory Statistics II                   | Enhanced Gen-Ed: Human/Cultural Diversity |   |
| Core Social Science Course                            | Non-Major Elective                        |   |
|   |   |   |
|   |   |   |
| Total Hours: 14                                       | Total Hours: 13                           | Total Hours: 6  |
| Year 3  |   |   |
| Fall  | Spring                                    | Summer  |
| STA 4321: Introduction to Mathematical Statistics I   | Major: Upper-Level Elective Requirement   |   |
| STA 4102: Computation Methods for Applied Statistics  | Major: Upper-Level Elective Requirement   |   |
| Enhanced Gen-Ed: Ethical Reasoning & Civic Engagement | Enhanced Gen-Ed: High Impact Practice     |   |
| Non-Major Elective                                    | Upper-Level Non-Major Elective            |   |
| Non-Major Elective                                    | Non-Major Elective                        |   |
|   |   |   |
| Total Hours: 15                                       | Total Hours: 15                           | Total Hours: 0  |
| Year 4  |   |   |
| Fall  | Spring                                    | Total Credits to Graduation                               |
| Major: Upper-Level Elective Requirement               | Major: Upper-Level Elective Requirement   | <b>Major Requirements:</b><br>46 credit hours             |
| Major: Upper-Level Elective Requirement               | Upper-Level Non-Major Elective            |   |
| Upper-Level Non-Major Elective                        | Upper-Level Non-Major Elective            | <b>General Education Requirements:</b><br>27 credit hours |
| Upper-Level Non-Major Elective                        | Non-Major Elective                        |   |
| Non-Major Elective                                    |   | <b>Other Degree Requirements:</b><br>47 credit hours      |
|   |   |   |
| Total Hours: 15                                       | Total Hours: 12                           | Total= 120  |

\*\*May require completion of additional math pre-requisites (consider the [MPT](#) or [CPT](#) exams)