## Program Requirements

### Statistics Core
- STAT 541: Applied Statistics \(^1\) 3
- STAT 542: Statistical Theory I 3
- STAT 543: Statistical Theory II 3
- STAT 544: Statistical Computing 3
- STAT 547: Design and Analysis of Experiments 3
- STAT 548: Applied Regression Analysis 3

### Statistics Electives
- Select one of the following: 3
  - STAT 640: Biostatistics I
  - STAT 646: Multivariate Analysis
  - STAT 648: Advanced Statistical Methods
- Select 9 credits from the following: 9
  - STAT 545: Practicum in Statistics I
  - STAT 546: Non-Parametric Statistics
  - STAT 549: Sampling Techniques
  - STAT 552: Intermediate Statistics Methods
  - STAT 561: Statistical Data Mining I
  - STAT 562: Statistical Data Mining II
  - STAT 570: Statistical Consulting
  - STAT 593: Fundamentals of Data Analysis
  - STAT 595: Topics in Statistics
  - STAT 597: Research Methods in Statistical Science

### Electives and Capstone Requirement

**Computer Science, Math and/or Statistics Electives**
- Select 3 credits (with Thesis Option) - 6 credits (with Comprehensive Exam option) from the following: 3-6
  - CMPT 578: Introduction to Artificial Intelligence
  - CMPT 589: Computer Simulation of Discrete Systems
  - CMPT 593: Structured System Design and Analysis
  - CSIT 515: Software Engineering
  - CSIT 555: Database Systems
  - CSIT 571: Computer Algorithms and Analysis
  - CSIT 655: Advanced Database Systems
  - CSIT 670: Advanced Computer Algorithms and Analysis

### Capstone Experience
- Select one of the following options: 0-3
  - Thesis Option
    - STAT 698: Master’s Thesis
    - Submit the completed Thesis original and one copy to the Graduate Office. See Thesis Guidelines for details.
  - Comprehensive Examination
    - In the term that you will sit for exam, register for the section which matches your major & advisor. Successfully pass exam.
    - GRAD CMP: Comprehensive Examination

### Total Credits
- 36

\(^1\) If equivalent of STAT 541 has been taken previously, see department for substitution.