Computer Science Focus Areas

**Data Science**
- MAT 128: Calculus B
- STA 215: Statistical Inference
- CSC 307: Data Mining & Predictive Modeling
- CSC 315: Database Systems
- CSC 320: Information Retrieval
- CSC 470: Topics: Natural Language Processing
- Focused Capstone

**Network & Security**
- CSC 325: Computer Architecture
- CSC 345: Operating Systems
- CSC 360: Computer Networking
- CSC 450: Computer and Network Security
- Focused Capstone

**Software Engineering**
- CSC 315: Database Systems
- CSC 415: Software Engineering
- CSC 435: Programming Languages
- CSC 470: Topics: Human Computer Interaction
- Focused Capstone

**Artificial Intelligence**
- STA 215: Statistical Inference
- CSC 380: Artificial Intelligence
- CSC 445: Theory of Computation
- CSC 470: Topics: Natural Language Processing
- Focused Capstone

**Computer Graphics & Game Design**
- MAT 205: Linear Algebra
- STA 215: Statistical Inference
- CSC 350: Computer Graphics
- IMM 360: Games I: Design and Architecture
- IMM 460: Games II: Implementation and Project Management
- CSC 470: Topics: Mobile Application Development
- CSC 470: Topics: Human Computer Interaction
- Focused Capstone

**CORE**
- CSC 220: Comp. Problem Solving
- CSC 230: Data Structures
- CSC 270: Discrete Structures
- CSC 335: Analysis of Algorithms

**Computational Biology**
- CSC 470: Algorithms in Computational Biology
- CSC 471: Genomics and Bioinformatics
- Focused Capstone

*Course selection under academic advisement*