Fall 2023 BSCS CS Technical Electives

- **CSCI 3740, Computer Security**, Pastorino
  - Pre-Requisites: CSCI 2421
- **CSCI 3800, Secure Network & Sys. Programming**, Pastorino
  - Pre-Requisites: CSCI 3761
- **CSCI 4202, Intro to AI**, Williams
  - Pre-Requisites: CSCI 3412
- **CSCI 4220, Social Networks & Informatics**, Debnath
  - Pre-Requisites: CSCI 3412
- **CSCI 4570, AR and VR**, Choi
  - Pre-Requisites: CSCI 3412
- **CSCI 4800, Computer Vision**, Al Borno
  - Pre-Requisites: CSCI 3412
- **CSCI 4920, Computer Game Design and Programming**, Choi
  - Pre-Requisites: CSCI 3412

All CS Tech Electives have limited enrollment. Students are encouraged to register early for best selection.

Fall 2023 Breadth Courses

**Scientific Computing:**
- **CSCI 3560, Probability & Computing**, Lakhani
  - Pre-Requisites: CSCI 2511 and MATH 2411
- **CSCI 4650, Numerical Analysis 1**, Math Dept
  - Pre-Requisites: MATH 3191 or MATH 3195

**Data Science:**
- **CSCI 4931, Deep Learning**, Biswas
  - Pre-Requisites: MATH 3195 (or both MATH 3191 and MATH 3200) and CSCI 3412

**System Software:**
- **CSCI 3511, Hardware-Software Interface**, He
  - Pre-Requisites: CSCI 2525

**Secure Computing:**
- **CSCI 4741, Principles of Cybersecurity**, Li
  - Pre-Requisites: CSCI 3761
  - Required for Cybersecurity and Secure Computing (CSSC) Certificate