Fall 2022 BSCS Undergraduate Electives

- **CSCI 3515 IoT Sensing, Communication & Control**, He
  - Pre-requisite: CSCI 2312 & 2421
- **CSCI 3761 Intro to Computer Networks**, Ogle
  - Pre-requisites: CSCI 2312 & 2421
  - Required for the Cybersecurity and Secure Computing (CSSC) Certificate
- **CSCI 3800 Web Development with PHP & MySQL Database**, Lakhani
  - Pre-requisite: CSCI 3287
- **CSCI 3920 Adv. Programming w/Java & Python**, Lakhani
  - Pre-requisite: CSCI 2312 & 2421
- **CSCI 4800 Simulation**, Williams
  - Pre-requisites: CSCI 3412
- **CSCI 4929 Internship** – please meet with your advisor.
  - Pre-requisite: CSCI 3508 & approval through ELC

Requires one pre-req not part of BACS Core

- **CSCI 3511 Hardware/Software Interface**, He
  - Pre-requisites: CSCI 2525
- **CSCI 3453 Operating Systems**, Ra
  - Pre-requisites: CSCI 2525 & 3412
  - Required for the Cybersecurity and Secure Computing (CSSC) Certificate
- **CSCI 3560 Probability & Computing**, Lakhani
  - Pre-requisites: CSCI 2511 & MATH 2411
- **CSCI 4455 Data Mining**, Banaei-Kashani
  - Pre-requisites: CSCI 3287 & 3412, MATH 3195
- **CSCI 4741 Principles of Cybersecurity**, Jafarian
  - Pre-requisite: CSCI 3761 & 3287
  - Required for the Cybersecurity and Secure Computing (CSSC) Certificate
- **CSCI 4800 Computer Vision**, Al Borno
  - Pre-requisites: MATH 3191 or 3195
- **CSCI 4930 Machine Learning**, Biswas
  - Pre-requisites: CSCI 3412 & MATH 3195

Please see your advisor for additional CS Technical Elective choices.