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**,  
  - 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 4743 Cyber & Infrastructure Defense**, Jafarian – TTH 2:00-3:15  
  - Pre-requisite: CSCI 3761  
  - 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.