

Spring 2026 Computer Science Courses

CS Breadth Courses	CS Technical Electives
<i>-System Software-</i> CSCI 4287 – Embedded Systems Programming Instructor: Lakhani Pre-reqs: CSCI 3453	CSCI 3515 --Internet of Things <i>(restricted to CSCS-BA students)</i> Instructor: John Pace Pre-reqs: CSCI 2312 and CSCI 2412
<i>-Secure Computing-</i> CSCI 4742 – Cybersecurity Programming and Analysis Instructor: Kebande Pre-req: CSCI 3415	CSCI 3740 – Computer Security Instructor: Victor Kebande Pre-reqs: CSCI 2312 and CSCI 2421
<i>-Data Science-</i> CSCI 4455 - Data Mining Instructor: Banaei-Kashani Pre-reqs: (CSCI 3287 AND 3412) and (MATH 3191 OR MATH 3195) CSCI 4930 – Machine Learning Instructor: Ashis Kumer Biswas Pre-reqs: CSCI 3412 and (MATH 3191 OR MATH 3195)	CSCI 3762 – Network Programming Instructor: David Ogle Pre-req: CSCI 3761 CSCI 3910 – Web Development with PHP and MySQL Database <i>(restricted to CSCS-BA and CSCI-Minors)</i> Instructor: Salim Lakhani Pre-req: CSCI 3287
<i>-Scientific Computing-</i> CSCI 4620 - Computational Motor Control Instructor: Mazen Al Borno Pre-reqs: CSCI 3412 and familiarity with linear algebra (satisfies breadth requirement for students admitted Fall 2024 and after) CSCI 4407 - Security and Cryptography Instructor: Victor Kebande Pre-reqs: CSCI 3412 (satisfies breadth requirement for students admitted Fall 2024 and after)	CSCI 3916 – Web API <i>(restricted to CSCI-BS students)</i> Instructor: Shawn McCarthy Pre-reqs: CSCI 2312 and CSCI 2421 CSCI 4800 – 001 – Resource Management in Edge Computing Instructor: Tayebah Bahreini Pre-reqs: CSCI 3412 and CSCI 3453 CSCI 4800-002 – Satellite Communication and Networking Instructor: Xiaojian Wang Pre-reqs: CSCI 3761

Spring 2026 Cybersecurity Courses

Cybersecurity Core	Cybersecurity Electives
CSCY 2930 – Practical System Administration Instructor: Sam Wheeler Pre-req: CSCI 1410	CSCY 3800 – Information Security Instructor: Victor Kebande Pre-reqs: CSCI 2421 CSCY 4800 - Special Topics in Cyber Law and Policies Instructor: Tiago Perez Pre-reqs: ENGL 2030 and CSCI/CSCY 3740
CSCY 3740 - Computer Security Instructor: Victor Kebande Pre-reqs: CSCI 2312 and 2421	
CSCY 4407 – Security and Cryptography Instructor: Victor Kebande Pre-req: CSCI 3412	
CSCY 4739 – Senior Design II Instructor: Tiago Perez Pre-req: CSCY 4738	
CSCY 4742 – Cybersecurity Programming and Analysis Instructor: Victor Kebande Pre-reqs: CSCY 3740 and CSCI 3761	
CSCY 4743 – Cyber and Infrastructure Defense Instructor: Haadi Jafarian Pre-req: CSCI 3761	
CSCY 4772 – Mobile and IoT Security Instructor: Zhengxiong Li Pre-reqs: CSCI 3453 and CSCI 3761	
CSCY 4950 – Cybersecurity Risk Analysis and Management Instructor: Tiago Perez Pre-reqs: CSCY 3740 and CSCI 3761	