COMPUTER INFORMATION SYSTEMS (CIST)

CIST 301 - Business Information Systems (3 Credits)
This course discusses how organizations can use information systems strategically to reengineer business processes. Topics covered include theories, principals and business cases about a variety of business applications supporting different organizational levels and functions.

CIST 441 - Network Security & Cryptography (3 Credits)
Prerequisite: MIST 411 or equivalent. Topics include fundamentals of network security, security threats and vulnerabilities, viruses, cryptography, digital signatures, and key certification and management. In addition, this course covers areas such as access control, authentication, intrusion detection, firewalls and virtual private networks. Wireless and mobile network security is covered in detail.

CIST 471 - Special Topics (1-3 Credits)
Prerequisite: Topic dependent. Selected topics that reflect faculty specialization or program needs. Topics may include simulation techniques, parallel processing, and artificial intelligence. May be repeated for credit with a change in topic.

CIST 491 - Directed Study (1-6 Credits)
This is an individual study under faculty direction on a topic of relevance to the Computer Information Systems concentration.

CIST 499 - Internship (1-6 Credits)
Prerequisite: Permission of internship director and department chair. Internships offer students opportunities to experience various fields of employment while working with a variety of organizations on important and challenging projects. These experiences augment classroom learning while allowing on-the-job training. Interested students should contact the department chair for additional internship information.