



# B.A./B.S. in Computer Information Systems

Foundational Courses (16 credits)				Core Courses (12 credits)			
Computer Science Principles CIS 1001 - 4 cr.	Computer Architectures CIS 2011 - 4 cr.	Programming I with Java CIS 2085 - 4 cr.	Programming II with Java CIS 2087 - 4 cr.	Management Communications ENG 3364/ MGT 3150 - 4 cr.	Database Modeling CIS 3107 - 4 cr.	Systems Analysis and Design CIS 3108 - 4 cr.	

Advanced Courses (10 credits)			
Project Management CIS 4108 - 2 cr.	Capstone Project CIS 4109 - 4 cr.	Systems Development Internship CIS 4555 - 4 cr.	

Required concentration options on other side 

# Computer Information Systems Minor

Foundational Courses (8 credits)		Core Courses (12 credits)			
Computer Science Principles CIS 1001 - 4 cr.	Programming I with Java CIS 2085 - 4 cr.	Database Modeling CIS 3107 - 4 cr.	System Analysis and Design CIS 3108 - 4 cr.	Information Systems CIS 3205 - 4 cr.	

# B.A./B.S. in Computer Information Systems

Concentrations	
<b>Software Development BS Degree - 28 cr.</b> CIS 3034 - Client-Side Web Development (2 cr.) CIS 3089 - Data Structures (4 cr.) CIS 3230 - Game Design and 3D Modeling (4 cr.) CIS 2385 - Software Design (4 cr.) CIS 3334 - Mobile Device Programming (4 cr.) CIS 4034 - Server-Side Web Development (4 cr.) CIS 4042 - Computer Security (2 cr.) CIS 4115 - Artificial Intelligence with Robotics (4 cr.)	<b>Business Analysis BA Degree - 24 cr.</b> CIS 3205 - Information Systems (4 cr.) CIS 3287 - Software Quality Assurance (2 cr.) CIS 4041 - Web Design (4 cr.) CIS 4042 - Computer Security (2 cr.) ACC 2210 - Principles of Financial Accounting (4 cr.) MGT 3550 - Organizational Behavior (4 cr.) PSY 3331 - Statistics (4 cr.) OR MTH 4411 - Statistics (4 cr.)
<b>Mathematics BS Degree - 28 cr.</b> CIS 3089 - Data Structures (4 cr.) CIS 4155 - Artificial Intelligence with Robotics (4 cr.) MTH 2221 - Calculus I (4 cr.) MTH 2222 - Calculus II (4 cr.) MTH 2401 - Discrete (4 cr.) MTH 3322 - Linear Algebra (4 cr.) MTH 4411 - Prob & Stats (4 cr.) OR PSY 3311 - Statistics (4 cr.)	<b>Health Informatics BA Degree - 24 cr.</b> CIS 3205 - Informations Systems (4 cr.) HIM 2101 - Medical Language (3 cr.) HIM 2102 - Intro. to Pharmacotherapeutics (1 cr.) HIM 2110 - Concepts and Principles of HIM (2 cr.) HIM 2111 - HIM Technologies in Practice (2 cr.) HIM 3132 - Medicolegal Issues (4 cr.) HIM 4415 - Health Data Analytics (4 cr.) PSY 3331 - Statistics (4 cr.)
<b>Custom BA Degree - 24 cr.</b>	
Electives (24 cr.)	