

Bachelor of Science in Information Technology Software Major (effective 8/2010)

Prerequisites and Core

CGS 1920 <i>Introduction to Computing</i> (1 credit)	CGS 2518 <i>Data Analysis</i>	PSY 2012 <i>Introduction to Psychology</i>	COP 2210 <i>Programming I</i> (4 credits)	COT3993 or MAD 2104 <i>Discrete Structures/Math</i> Pre: MAC 1105	MAC 1140 <i>Pre-Calculus (and Trig)</i> Pre: MAC1105
CDA 3103 <i>Fundamentals of Computer Systems</i> Pre: COP 2210	CEN 3721 <i>Human Computer Interaction</i> Pre: COP 2210	COP 3337 <i>Programming II</i> Pre: COP 2210	CGS 3767 <i>Computer Operating Systems</i> Pre: COP 2210	ENC 3213 or ENC 3249* <i>Technical Writing</i>	
COP 3530 <i>Data Structures</i> Pre: COP 3337 & MAD 2104	COP 4703 <i>Information Storage and Retrieval</i> Pre: COP 3337	CGS 4854 <i>Web Site Construct. and Mgmt.</i> Pre: COP 3337 & CGS 3767	CGS 4285 <i>Applied Computer Networking</i> Pre: CGS 3767	CGS 3095 <i>Technology in the Global Arena (GL)</i> Pre: COP 2210, & ENC 3249 or ENC3213	
COP 4338 <i>Programming III</i> Co: COP 3530	COP 4814 <i>Component-Based Software Dev.</i> Pre: COP 4703 & CGS 4854	CNT 4403 <i>Computing and Network Security</i> Pre: COP 3337 & CGS 4285			

Electives

CTS 4408 <i>DB Admin.</i> Pre: COP 4703	COP 4005 <i>Windows Prgm. for IT</i> Pre: COP 3804 & CEN3721 Co: COP 4703	COP 4655 <i>Mobile Appl. Prgm.</i> Pre: COP 4814 & CEN3721	CTS 4348 <i>Unix System Admin.</i> Pre: CGS 3767	CIS 4431 <i>IT Automation</i> Co: CGS 4285	CNT 4513 <i>Data Comm.</i> Pre: COP 3337 & CGS 4285
COP 4722 <i>Survey of DB System</i> Pre: COP 4703	COP 4813 <i>Web Appl. Prgm.</i> Pre: COP 4005 & CGS 4854		CNT 4603 <i>System Admin and Maintenance</i> Pre: CGS 3767		CNT 4504 <i>Advanced Network Mgmt.</i> Pre: CNT 4513
<u>Database Administration</u>	<u>Application Development</u>		<u>System Administration</u>		<u>Network Administration</u>

Six credits of electives are required. From the four areas of concentration choose one and take two courses.

Interdisciplinary Credits

Nine additional credits must be taken outside SCIS. The nine credits must be applicable to a minor or certificate in another discipline.

Pre: indicates a prerequisite. The prerequisite must be completed before the current course.

All courses are 3 credits, except as noted

Co: indicates a co-requisite. The co-requisite may be taken at the same time as or before the current course. The co-requisite is a prerequisite for any course that has the current course as a prerequisite.

Minimum passing grade for all courses required for the major is 'C' including courses taken to satisfy the Interdisciplinary requirement.

* ENC3249 or ENC 3213 prerequisites: complete the UCC English requirements