

## Computer Information Systems Major Bachelor of Science

Fall 2011-5/9/2011

	Cr Hrs	Cr Rec	Cr Bal	Prerequisites/ Periodicity
General Education Requirements (43-54) <sup>1</sup>				
Special COBA Requirements <sup>1</sup> (36-51)				
Requirements for Major <sup>1</sup> (30)				
<sup>1</sup> CIS/CSC 101 (or CSC 111) - Computers for Learning	2			
<sup>1</sup> CIS 201 - Computer Applications for Business	2			CIS/CSC 101 or CSC 111 or waiver
CIS 230 - Computer Technology I	3			CIS/CSC 101 or CSC 111 or waiver
CIS 260 - Application Development I	3			CIS/CSC 101 or CSC 111
CIS 270 - Application Development II	3			CIS 260
CIS 321 - Information Systems Analysis and Design	3			CIS 260 <sup>2</sup>
CIS 326 - Database Management Systems Concepts and Designs	3			CIS 321 <sup>2</sup> or concurrent enrollment/ Fall
CIS 334 - Advanced Windows Applications Programming	3			CIS 270 & CIS 321 & CIS 326 <sup>2</sup>
CIS 431 - Advanced Systems Analysis and Design	3			CIS 321 <sup>2</sup>
<sup>1</sup> CIS 461 - Strategic Management Information Systems	3			CIS 321 or CIS 381 or CIS 382 <sup>2</sup>
CIS 528 - Database Management Implementation	3			CIS 326 <sup>2</sup>
CIS 591 - Information Systems Development	3			90 hours; CIS 323 or CIS 334 or CIS 350 or CIS 375; and CIS 431 or CIS 528 <sup>2</sup>
<b>Choose 3 hours from the following:</b>				
CIS 316 - Computer Programming in RPG	3			CIS 270 <sup>2</sup>
CIS 323 - Advanced COBOL	3			CIS 270 & CIS 321 & CIS 326 <sup>2</sup>
CIS 330 - Computer Technology II	3			CIS 230 <sup>2</sup>
CIS 370 - Web Application Development for Business I	3			CIS 260/Fall <sup>2</sup>
CIS 375 - Web Application Development for Business II	3			CIS 370 <sup>2</sup> /Spring
CIS 394 - Cooperative Education in CIS	1-3			Permission <sup>2</sup>
CIS 397 - Topics in Computer Information Systems	1-3			Permission <sup>2</sup>
CIS 540 - Advanced Network Administration	3			CIS 330 or CSC 465 <sup>2</sup>

Additional courses, as needed, to bring total credit hours for the degree to a minimum of 125 and upper-division (300+) credit hours to at least 40.

<sup>1</sup>CIS/CSC 101 (or waiver) is required in the General Education Requirements, CIS 201 and 461 are required in the COBA Core Requirements.

<sup>2</sup>Undergraduate business majors must be admitted to COBA

**Cr Rec** - Credit hours received for courses completed.

**Cr Bal** - Credit Balance needed to fulfill requirements.

Note: A minimum of 12 credit hours not counted as requirements on any other major or minor, and exclusive of "problems" and "readings" is required for the completion of any additional major in business.

Note: Complete the following two departmental admission courses with a GPA of 2.50 or higher and no grade below a "C": CIS 260(3) and CIS 270(3)

**For advisement only. Consult appropriate catalog for degree requirements.**