Computer Science & Information Systems Minor

Description
Earning a minor in Computer Science & Information Systems will compliment any student's major. This minor will introduce students to the broad background of the computing field as well as Java programming, Visual Basic programming and web development. The result is that students gain a well-rounded perspective of the commonly used technologies and techniques employed in industry. The student is also introduced to data structures and algorithms enhancing the types of system that he/she can develop. The student will get to select the final course of study in the major allowing extra focus on an area of the student's interest.

Core Computer Science and Information Systems Requirements (19 credits required)

CS 105	Introduction to Computers and Programming	(None)	4 cr	[FA, WI]
CS 116	Computer Programming I	(MATH 103 or placement test, CS 105)	4 cr	[FA, WI]
CS 146	Visual Basic.NET Programming	(CS 105 which can be taken concurrently)	3 cr	[FA, WI]
CS 216	Computer Programming II	(CS 116; MATH 120A, 120B, 140 or 161)	4 cr	[FA, WI]
CIS 255	Client Side Web Application Development	(CS 116)	4 cr	[FA, SP]

Elective Computer Science and Information Systems Requirements (Take one course – 4 credits required)

CIS 311	Windows Programming with VB.NET	(CS 146; CS 216)	4 cr	[WI]
CS 331	Computer Organization and Assembly Language	(CS 216)	4 cr	[WI]
CIS 355	Server Side Web Application Development	(CS 216; CIS 255)	4 cr	[WI, SU]
CIS 357	Advanced Programming with Java	(CS 216)	4 cr	[WI, SP]
CIS 386	Database Management Systems	(CS 216)	4 cr	[FA]

Legend:
Items in [ ] indicate semesters in which CSIS courses are offered
Items in ( ) indicate the prerequisites to a specific course