

**THE UNIVERSITY OF AKRON
AKRON OHIO
SUMMIT COLLEGE**

**COMPUTER INFORMATION SYSTEMS
PROGRAMMING SPECIALIST
MINOR**

The following courses constitute a "Minor in CIS - Programming Specialist" and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student's record.

<u>Course</u>		<u>Credit Hours</u>	<u>Prerequisites</u>
2440:121	Introduction to Logic/Programming	3	*
2440:140	Internet Tools	3	*
2240:170	Visual Basic	3	2440:121
2440:180	Database Concepts	3	2440:121
2440:160	Java Programming	3	2440:121
2440:xxx	Computer Information Systems Electives	<u>6</u>	

TOTAL CREDITS = 21

Electives:

2440:145	Operating Systems	3	*
2440:210	Client/Server Programming	3	2440:180
2440:234	Business Programming	3	2440:210
2440:241	Systems Analysis and Design	3	2440:170, 180
2440:251	CIS Projects	3	2440:241
2440:256	C++ Programming	3	2440:121
2440:290	Special Topics	1 - 3	Permission

* 2440:105, Intro to Computers & Application Software **OR** pass placement test.

Students must achieve a "C" or better in their technical courses (2440/2600).