

**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 | Introduction to Unix/Linux | 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).