

**College of Applied Science and Technology**  
**Computer Information Systems**  
 Programming Certificate (244203C)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others.

This certificate may be earned independent of earning a degree.

The following courses constitute a "Certificate in Computer Information Systems - Programming" and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student's record.

✓	Courses		Credits	Prerequisites
	2440:121	Introduction to Logic/Programming	3	2440:105 or pass placement test
	2440:160	Java Programming	3	2440:121
	2440:170	Visual Basic	3	2440:121
	2440:256	C++ Programming	3	2440:121
	2440:180	Intro to Database Management	3	2440:121
<b>Total Credits for Certificate</b>			<b>15</b>	

**Students must achieve a "C" or better in their technical courses (2440)**

Students entering the Computer Information Systems certificate programs (Programming, Cisco Networking Technology, Database Development, and Webmaster) must pass department placement exams or complete the following bridge course prior to enrolling in the program.

**\*Bridge Course:** 2440:105 Introduction to Computers & Application Software

**Program Contacts**

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