

COMPUTER INFORMATION SYSTEMS - SOFTWARE DEVELOPMENT FUNDAMENTALS, SHORT-TERM TECHNICAL CERTIFICATE

(<https://www.lorainccc.edu/admissions-and-enrollment/advising-and-counseling/>).

More program information can be found on our website. (<https://www.lorainccc.edu/it/programming-and-software-development/computer-information-systems-software-development-fundamentals-short-term-certificate/>)

Program Learning Outcomes

1. Design software solutions
2. Develop software programs and components

Curriculum Code #6620

Effective May 2023

Division of Engineering, Business and Information Technologies (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/>)

The short-term technical certificate software development fundamentals represents the successful completion of select computer programming courses that prepare the student to develop business computer applications. Emphasis is placed on the very popular Microsoft.NET and JAVA development technologies. Completion of this certificate prepares the student for entry-level software development positions or for further study leading to an associate degree in software development, mobile device development or web development. It is also especially well-suited for those individuals with experience in "legacy" technologies who wish to upgrade their skills.

Code	Title	Hours
CISS 121	MICROCOMPUTER APPLICATIONS I	3
CISS 160	INTRODUCTION TO PROGRAMMING IN C# ¹	4
CISS 216	WEB DEVELOPMENT	3
CISS 222	ADVANCED PROGRAMMING IN C# ¹	3
CISS 226	INTRODUCTION TO PROGRAMMING IN JAVA ¹	3
CISS 232	SCRIPTING IN THE CLIENT SERVER ENVIRONMENT ¹	3
CISS 260	INTRODUCTION TO IPHONE/IPAD PROGRAMMING ¹	4
Total Hours		23

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Indicates that this course has a prerequisite.

While completion of this certificate may aid in obtaining employment, many employers recommend the minimum completion of a computer information systems degree program to gain employment in an IT-related field.

Program Contact(s):

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For information about admissions, enrollment, transfer, graduation and other general questions, please contact your advising team