

COMPUTER INFORMATION SYSTEMS - WEB DEVELOPMENT, ASSOCIATE OF APPLIED BUSINESS

Curriculum Code #6601

Effective May 2023

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

The web development technology major prepares students for development, administration and support positions in the emerging digital economy. Students learn to design and develop Internet applications in a client/server environment. Additional topics covered include integrating Internet and enterprise-wide databases, middleware issues, building robust Internet applications and designing dynamic web portals. A variety of elective courses are available to augment the program. Lorain County Community College has articulation agreements with colleges and universities including programs offered by Lorain County Community College's University Partnership.

First Year

Fall Semester		Hours
CISS 121	MICROCOMPUTER APPLICATIONS I	3
CISS 125	OPERATING SYSTEM INTERFACES ¹	3
CMMC 151	ORAL COMMUNICATION	3
ENGL 161	COLLEGE COMPOSITION I	3
Select one from the following list:		3-4
MTHM 155	TECHNICAL MATHEMATICS I	
MTHM 158	QUANTITATIVE REASONING	
MTHM 171	COLLEGE ALGEBRA	
SDEV 101	INTRODUCTION TO THE LCCC COMMUNITY ³	1
Hours		16-17

Spring Semester		Hours
CISS 143	DATABASE DESIGN AND IMPLEMENTATION ²	3
CISS 160	INTRODUCTION TO PROGRAMMING IN C# ²	4
CISS 216	WEB DEVELOPMENT ²	3
MKRG 245	SOCIAL MEDIA MARKETING	3
Science Elective (from Transfer Module)		4
Hours		17

Second Year

Fall Semester		Hours
ACTG 151	ACCOUNTING I - FINANCIAL	4
BADM 155 or BADM 171	INTRODUCTION TO BUSINESS ADMINISTRATION or INTRODUCTION TO E-COMMERCE	3
CISS 232	SCRIPTING IN THE CLIENT SERVER ENVIRONMENT ²	3

CISS 243	WEB DATABASE INTEGRATION ²	4
Hours		14
Spring Semester		
CISS 145	LOCAL AREA NETWORKS ²	4
CISS 247	SYSTEMS DEVELOPMENT ²	3
PSYH 151 or SOCY 151G	INTRODUCTION TO PSYCHOLOGY or INTRODUCTION TO SOCIOLOGY	3
CISS Elective ⁴		3
Hours		13
Total Hours		60-61

1

Indicates that this course requires a prerequisite or may be taken concurrently.

2

Indicates that this course has a prerequisite.

3

A student must register for the orientation course when enrolling for more than six credit hours per semester or any course that would result in an accumulation of 13 or more credit hours.

4

Electives: CISS 215, CISS 268 or CISS 287, CISS 288, CISS 289 for the equivalent number of credit hours to meet the technical elective credit hour requirement. Students intending to transfer should consult with the intended transfer institution, the Engineering, Business and Information Technologies division, or with an LCCC advisor for transfer information.

Before taking any electives, science and/or MTHM classes refer to The University of Akron University Partnership CIS curriculum guide to ensure you take the correct classes towards the CIS Bachelor degree. The University of Akron requires MTHM 171 & MTHM 174 or MTHM 155 & MTHM 156 for the bachelor degree.

Program Contact(s):

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More program information can be found on our website.
(<https://www.lorainccc.edu/it/web-development/associate-of-applied-business-in-web-development/>)

Program Learning Outcomes

1. Produce front end user interfaces for web applications
2. Produce back end code for web applications
3. Implement sound system analysis/development processes in the planning and production of business solutions.
4. Implement sound software development strategies.
5. Apply supporting Information Technology knowledge, techniques, and skills.