

COMPUTER INFORMATION SYSTEMS - WEB DEVELOPMENT, ASSOCIATE OF APPLIED BUSINESS

Curriculum Code #6601

Effective May 2026

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 any OT 36 Mathematics Course ⁵		3
SDEV 101	INTRODUCTION TO THE LCCC COMMUNITY ³	1
Hours		16

Spring Semester

CISS 143	DATABASE DESIGN AND IMPLEMENTATION ²	3
CISS 145	LOCAL AREA NETWORKS ¹	4
CISS 160	INTRODUCTION TO PROGRAMMING IN C# ²	4
CISS 216	WEB DEVELOPMENT ²	3
Hours		14

Second Year

Fall Semester		
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 247	SYSTEMS DEVELOPMENT ²	3
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MKRG 245	SOCIAL MEDIA MARKETING	3
PSYH 151 or SOCY 151G	INTRODUCTION TO PSYCHOLOGY or INTRODUCTION TO SOCIOLOGY	3
Select any OT 36 Science Course ⁶		4
CISS Elective ⁴		3
Hours		16
Total Hours		60

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 12 or more credit hours.

⁴ Electives: CISS 215, CISS 264 or CISS 287, CISS 288, CISS 289 for the equivalent number of credit hours to meet the technical elective credit hour requirement.

⁵ Select any Math Ohio Transfer 36 (<http://catalog.lorainccc.edu/academic-information/transfer-module-requirements/>) course.

⁶ Select any Science Ohio Transfer 36 (<http://catalog.lorainccc.edu/academic-information/transfer-module-requirements/>) course.

Before taking any electives, students intending to transfer elsewhere should consult with the intended transfer institution or consult with an LCCC advisor for transfer information.

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/>)

Credit for Prior Learning (PLA) options may be available for your program. For more information, please visit our website: www.lorainccc.edu/PLA (<http://www.lorainccc.edu/PLA>)

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.