

# COMPUTER INFORMATION SYSTEMS - WEB DEVELOPMENT, ASSOCIATE OF APPLIED BUSINESS

Curriculum Code #6601

Effective May 2017

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.

Course	Title	Hours
<b>First Year</b>		
<b>Fall Semester</b>		
CISS 121	MICROCOMPUTER APPLICATIONS I	3
CISS 125	OPERATING SYSTEM INTERFACES <sup>1</sup>	3
CMMC 151	ORAL COMMUNICATION	3
ENGL 161	COLLEGE COMPOSITION I	3
Select one from the following list:		3-4
MTHM 121	TECHNICAL MATHEMATICS I	
MTHM 151	COLLEGE MATHEMATICS	
MTHM 158	QUANTITATIVE REASONING	
MTHM 171	COLLEGE ALGEBRA	
SDEV 101	COLLEGE 101 <sup>3</sup>	1
Hours		16-17
<b>Spring Semester</b>		
CISS 143	DATABASE DESIGN AND IMPLEMENTATION <sup>2</sup>	3
CISS 160	INTRODUCTION TO PROGRAMMING IN C# <sup>2</sup>	4
CISS 216	WEB DEVELOPMENT <sup>2</sup>	3
MKRG 245	SOCIAL MEDIA MARKETING	3
Science Elective (from Transfer Module)		4
Hours		17
<b>Second Year</b>		
<b>Fall Semester</b>		
ACTG 151	ACCOUNTING I - FINANCIAL	4
BADM 155	INTRODUCTION TO BUSINESS	3
or BADM 171	ADMINISTRATION	
	or INTRODUCTION TO E-COMMERCE	

CISS 232	SCRIPTING IN THE CLIENT SERVER ENVIRONMENT <sup>2</sup>	3
CISS 243	WEB DATABASE INTEGRATION <sup>2</sup>	4
Hours		14
<b>Spring Semester</b>		
CISS 145	LOCAL AREA NETWORKS <sup>2</sup>	4
CISS 247	SYSTEMS DEVELOPMENT <sup>2</sup>	3
PSYH 151	INTRODUCTION TO PSYCHOLOGY	3
	or SOCY 151G or INTRODUCTION TO SOCIOLOGY	
CISS Elective <sup>4</sup>		3
Hours		13
Total Hours		60-61

<sup>1</sup> Indicates that this course requires a prerequisite or may be taken concurrently.

<sup>2</sup> Indicates that this course has a prerequisite.

<sup>3</sup> 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.

<sup>4</sup> 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 counselor or advisor for transfer information.

Before taking any electives, Science and/or MTHM classes refer to the University of Akron UP CIS curriculum guide to ensure you take the correct classes towards the CIS Bachelor degree. The university of Akron requires MTHM 171 & MTHM 172 or MTHM 121 & MTHM 122 for the bachelor degree.

Program Contact(s):

**Mike Zellers**  
440-366-4796  
mzellers@lorainccc.edu