



**APPLIED BUSINESS COMPUTER INFORMATION SYSTEMS/SOFTWARE DEVELOPMENT, AAB to  
COMPUTER INFORMATION SYSTEMS, PROGRAMMING OPTION BS**

SUGGESTED SEQUENCE AT LORAIN COUNTY COMMUNITY COLLEGE			SUGGESTED SEQUENCE AT THE UNIVERSITY OF AKRON	
Semester I	17 Credit Hours	UA Equivalent	Semester 7	18 Credit Hours
SDEV101 Introduction to the LCCC Community	1	GN EL	CISS456 C++ Programming II	3
CISS121 Microcomputer Applications	3	CISS105 Introduction to Computer and Application Software	CISS210 Client/Server Programming	3
CISS125 Operating System Interfaces	3	CISS145 Introduction to UNIX/Linux	CISS360 Java Programming II	3
ENGL161 College Composition I	3	ENGL111 English I GNED Writing	CISS306 Ethics and Law in Information Technology	3
MTHM171 College Algebra	4	MATH 145 College Algebra GNED Statistics, Logic, Quantitative Reasoning	MATH345 Technical Data Analysis	3
CMMC151 Oral Communication	3	COMM106 Effective Oral Communication GNED Speech	CISS170 Visual Basic	3
Semester 2	18 Credit Hours	UA Equivalent	Semester 8	15 Credit Hours
CISS160 Introduction to Programming in C++	4	CISS121 Introduction of Logic Programming	CISS388 Advanced UNIX/LINUX	3
CISS145 Local Area Networks	4	CISS201 Networking Basics	CISS465 Data Communications and Networking	3
CISS216 Web Development	3	CISS140 Internet Tools	CISS470 Database Management II	3
MTHM174 Trigonometry	4	MATH154 Technical Math IV/ Technical Algebra and Trig II	CISS450 Applied Data Mining	3
GNED Natural Science	3	GNED Natural Science	CISS451 CIS Senior Programming Projects GNED Capstone	3
Semester 3	16 Credit Hours	UA Equivalent		
ACTG151 Accounting I – Financial	4	ACCT201 Accounting Principles I		
CISS143 Database Design and Implementation	3	CISS180 Introduction to Database Management		
SOCY151G Introduction to Sociology	3	SOCIO100 Introduction to Sociology GNED Social Science		

		GNEED Domestic Diversity		
CISS222 Advanced Programming in C#	3	CISS245 C++ Programming		
BADM155 Introduction to Business Administration	3	COMM106 Introduction to Business		
<b>Semester 4</b>	<b>15-18 Credit Hours</b>	<b>UA Equivalent</b>		
ACTG152 Accounting II	4	ACCT202 Accounting Principles II		
CISS243 Web Database Integration	4	CISS321 Server-Side Scripting		
CISS247 Systems Development	3	CISS241 Systems Analysis and Design		
CISS226 Introduction to Programming in Java	3	CISS160 Java Programming		
CISS287 Work Based Learning OR CISS232 Scripting in the Client Server Environment	1-4	CISS240 Computer Information Systems Internship or CISS210 Client/Server Programming		
<b>Semester 5</b>	<b>18 Credit Hours</b>	<b>UA Equivalent</b>		
MTHM270 Discrete Mathematics	3	MATH208 Introduction to Discrete Mathematics		
ENGL162 College Composition II	3	ENGL112 English II GNEED Writing		
BADM251 Principles of Management	3	MGMT301 Management of Principles and Concepts		
GNEED Fine Art	3	GNEED Fine Art		
ECNM152 Microeconomics or ECNM151 Macroeconomics	3	ECON 200 Principles of Microeconomics or ECON201 Principles of Macroeconomics GNEED Social Science		
GNEED Arts or Humanities	3	GNEED Arts or Humanities		
<b>Semester 6</b>	<b>1 Credit Hours</b>	<b>UA Equivalent</b>		
BADM255 Human Resource Management	3	COMM202 Elements of Human Resource Management		
GNEED Natural Science w/lab	4	GNEED Natural Science w/lab		
GNEED Global Diversity	3	GNEED Global Diversity		
PHYL165 Bioethics	4	PHIL361 Biomedical Ethics GNEED Complex Issue Facing Society GNEED Humanities		

Total credits from LCCC: 96-99

Total credits for degree: 132-135

*\*Last 30 credits must be earned at the University of Akron*

*\*\* General Education Courses may have equivalents at Lorain Community College, please refer to*

*<https://www.uakron.edu/transfer/ted/>*

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