

## Associate of Applied Business, Computer Information Systems – Software Development to Bachelor of Science in Computer Information Systems, Programming Option Transfer Pathway

Course selection/order may vary. All pathways are subject to change. Always review with your LCCC/Partner advisor.  
**LCCC courses are indicated in bold**; partner courses are not bolded.

### Year One Curriculum

#### Semester One

LCCC Course Name	Credit Hrs
<b>CISS 121: Microcomputer Applications I</b>	<b>3</b>
<b>CISS 125: Operating System Interfaces</b>	<b>3</b>
<b>CMMC 151: Oral Communications</b>	<b>3</b>
<b>ENGL 161: College Composition I</b>	<b>3</b>
<b>MTHM 171: College Algebra</b>	<b>4</b>
<b>SDEV 101: Introduction to the LCCC Community</b>	<b>1</b>
<b>Semester Total</b>	<b>17</b>

#### Semester Two

LCCC Course Name	Credit Hrs
<a href="#"><u>UA Approved OT36 Natural Science Lab Course</u></a>	<b>4</b>
<b>CISS 160: Intro to Programming in C#</b>	<b>4</b>
<b>CISS 145: Local Area Networks</b>	<b>4</b>
<b>CISS 216: Web Development</b>	<b>3</b>
<b>MTHM 174: Trigonometry</b>	<b>4</b>
<b>Semester Total</b>	<b>19</b>

Cumulative Total Credit Hours After Year One: 36

#### Notes:

- Student should work with their LCCC and UA advisor to discuss the most beneficial elective course choices. To fulfill [the OT36 requirements](#) of the Associate of Arts, students should use the [UA Transfer Guides](#) for [LCCC](#).

### Year Two Curriculum

#### Semester One

LCCC Course Name	Credit Hrs
<b>ACTG 151: Accounting I-Financial</b>	<b>4</b>
<b>CISS 143: Database Design &amp; Implementation</b>	<b>3</b>
<b>SOCY 151G: Introduction to Sociology</b>	<b>3</b>
<b>CISS 222: Advanced Programming in C#</b>	<b>3</b>
<b>BADM 155: Intro to Business Administration</b>	<b>3</b>
<b>Semester Total</b>	<b>16</b>

#### Semester Two

LCCC Course Name	Credit Hrs
<b>ACTG 152: Accounting II-Managerial</b>	<b>4</b>
<b>CISS 243: Web Database Integration</b>	<b>4</b>
<b>CISS 247: Systems Development</b>	<b>3</b>
<b>CISS 226: Introduction to Programming in Java</b>	<b>3</b>
<b>CISS 287: Work-Based Learning or CISS 268: Mobile Web Development or CISS 232: Scripting in the Client Server Environment</b>	<b>1-4</b>
<b>Semester Total</b>	<b>15-18</b>

Cumulative Total Credits After Year Two: 67-70

Student will have earned the Lorain County Community College Associate of Applied Business, Computer Information Systems – Software Development degree (#6618) at the conclusion of the above curriculum pathway.

Year Three Curriculum

Semester One

LCCC Course Name	Credit Hrs
<b>MTHM 270: Discrete Mathematics</b>	<b>3</b>
<b>ENGL 162: College Composition II</b> or <b>ENGL 164: College Composition II with Technical Topics</b>	<b>3</b>
<b>BADM 251: Principles of Management</b>	<b>3</b>
<i>Akron Fine Arts Requirement – choose one:</i> <b>ARTS 243: Art History I</b> <b>ARTS 244: Art History II</b> <b>ARTS 245: World Art</b> <b>ARTS 246: History of Photography</b> <b>ARTS 254: History of American Architecture</b> <b>HUMS 274: Film Appreciation</b> <b>HUMS 281: Intro to American Cinema</b> <b>MUSC 261: Music Appreciation</b> <b>MUSC 262: Music as a World Phenomenon</b> <b>THTR 151: Intro to Theater</b>	<b>3</b>
<b>Semester Total</b>	<b>12</b>

Semester Two

LCCC Course Name	Credit Hrs
<b>BADM 255: Human Resource Management</b>	<b>3</b>
<b><u>UA Approved OT36 Natural Science Lab Course</u></b> <i>(must be different discipline, with/without lab)</i>	<b>3-4</b>
<i>Akron Global Diversity Requirement – choose one:</i> <b>GPHY 151G: Human Geography</b> or <b>PLSC 151G: Comparative Politics</b>	<b>3</b>
<i>Akron Domestic Diversity Requirement – choose one:</i> <b>GPHY 152: Geography of United States/Canada</b> <b>SOCY 151: Intro to Sociology</b> <b>HSTR 161: United States I</b> <b>HSTR 162: United States II</b>	<b>3</b>
<b>ECNM 152: Microeconomics</b>	<b>3</b>
<i>Akron Complex Systems Requirement:</i> <b>PHLY 165: Bioethics</b>	<b>3</b>
<b>Semester Total</b>	<b>18-19</b>

Cumulative Total Credits After Year Three: 97-101

Notes:

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## Year Four Curriculum

### Semester One

Akron/LCCC Course Name	Credit Hrs
2440:456: C++ Programming II	3
2440:210: Client/Server Programming	3
2440:360: Java Programming II	3
2440: 306: Ethics & Law in Information Technology	3
2030:345: Technical Data Analysis	2
Akron Critical Thinking Requirement: <b>PHLY 151: Intro to Philosophy</b> <b>PHLY 161; Intro to Ethics</b> <b>PHLY 174: Critical Thinking</b>	<b>3</b>
Semester Total	17

### Semester Two

Akron Course Name	Credit Hrs
2440:388: Advanced UNIX/LINUX	3
2440:465: Data Comm. & Networking	3
2440:470: Database Management II	3
2440:451: CIS Senior Programming Projects	3
2440:450: Applied Data Mining	3
2440:170: Visual BASIC	3
Semester Total	18

### Cumulative Total Credits After Year Four: 132-136

Student will have earned the University of Akron Bachelor of Science in Computer Science, Programming Option Degree at the conclusion of the above curriculum pathway.

*Disclaimer: The fluidity of these pathways is acknowledged. At each level changes are possible as requirements, courses, course numbers, etc. may change. All efforts have been made to confirm the accuracy of the pathway by each institution. Always be aware of the date of review on the document. Always seek the assistance of an Academic Advisor or Counselor.*