

# Computer Information Systems

## Web Development Option, Associate of Applied Business Degree (244209AAB)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

CIS core courses are in **bold** type. Business core courses are in regular type. General Education requirements are in *italics*. All other courses are in **bold italic** type. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English (3)</i>	<i>Placement by Advisor</i>
2030:152 <i>Technical Mathematics II (2)</i> -AND- 2030:153 <i>Technical Mathematics III (2)</i>	<i>placement by Advisor; 2030:152 (must pass with C- or better)</i>
2420:104 Introduction to Business in the Global Environment (3)	
<b>2440:121 Introduction to Logic/Programming (3)</b>	<b>2440:105 or placement test</b>
<b>2440:140 Internet Tools (3)</b>	<b>2440:105 or placement test</b>
<b>Total Credits = 16</b>	

Year 1 Spring	Prerequisite
<i>Natural Science Requirement without Lab (3)</i>	
2420:103 Essentials of Management Technology (3)	
<b>2440:141 Web Site Administration (3)</b>	<b>2440:105 or placement test</b>
<b>2440:145 Introduction to Unix/Linux (3)</b>	<b>2440:105 or placement test</b>
<b>2440:180 Database Concepts (3) (Note a)</b>	<b>2440:121</b>
<b>Total Credits = 15</b>	

Year 2 Fall	Prerequisite
2420:263 <i>Professional Communications and Presentations (3)</i>	<i>Prerequisite or corequisite: 2020:121 or 3300:111</i>
2420:211 Basic Accounting I (3)	
<b>2440:211 Interactive Web Programming (3)</b>	<b>2440:140, 2440:121</b>
<b>2440:212 Multimedia and Interactive Web Elements (3) -OR- 7100:289 Production I (3)</b>	<b>2440:140 7100:132</b>
<b>2440:241 Systems Analysis and Design (3)</b>	<b>2440:160/170/256 and 2440:180</b>
<b>Total Credits = 15</b>	

Year 2 Spring	Prerequisite
2040:247 <i>Survey of Basic Economics (3)</i>	
2040:244 <i>Death and Dying (3)</i> -OR- 2040:254 <i>Black Experience 1619-1877 (2)</i> -OR- 2040:256 <i>Diversity in American Society (3)</i> -OR- 2040:257 <i>Black Experience 1877-1954 (2)</i> -OR- 2040:258 <i>Black Experience 1954-Present (2)</i>	2020:121 or 3300:112 2020:121, or 3300:112 or equivalent 2020:121 or 3300:112 2020:121 or 3300:112
2420:202 Elements of Human Resource Management (3)	2420:103 or permission
<b>2440:160 Java Programming (3) (Note a)</b>	<b>2440:121</b>
<b>2440:240 CIS Internship (3)</b>	<b>2440:241, or 2440:202 and 2440:247, or 2440:282 and 2440:247</b>
<b>Total Credits = 14-15</b>	

**Total Credits for Degree = 60 minimum**

**Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.**

**You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.**

### Department of Business and Information Technology Policy Notes

- Students must achieve a "C" or better in each course in their CIS major area (2440).
- The Dept. of Business and Information Technology requires a cumulative GPA of 2.0 and a minimum of 15 earned credit hours for Inter- and Intra-College Transfer into all Associate and Bachelor's degree programs.
- Students must pass a placement test before taking any required CIS courses or take 2440:105, Introduction to Computer and Application Software, which does not count towards degree requirements.

### Notes

- Traditionally Fall only (see Program Contact)
- Traditionally Spring only (see Program Contact)
- Additional classes may be needed to transition into a B.S. degree in Computer Information Systems

### AAB CIS – Web Development Option (Total Credits)

- General Education (18/60) = 30%
- Business Core (12/60) = 20%
- CIS (30/60) = 50%

### Program Contacts

- Enoch Damson ([damson@uakron.edu](mailto:damson@uakron.edu)), 330-972-7162
- Dr. Zarreen Farooqi ([zarreen@uakron.edu](mailto:zarreen@uakron.edu)), 330-972-8858

### Program Description

CIS offers associate and baccalaureate programs that introduce students to basic computing concepts while allowing them to develop the basic skills required to begin a career. Courses start the student along the path for professional certifications. There are options, minors, and certificates available. CIS courses are taught in cutting edge computer labs so students can learn and practice skills.

The CIS program offers high level training for computer programmers and microcomputer application specialists. Schedules offer a range of day, evening and weekend classes.

### Career Information

Graduates of the AAB/BS CIS program are expected to qualify for such positions as programmer/analysts, software developers, web developers, computer operators, or network specialists in business, IT, industry, and government organizations.

For additional information please visit the Bureau of Labor Statistics [www.bls.gov](http://www.bls.gov) or visit the Career Center <http://www.uakron.edu/career/> in the Student Union, Room 211.

### Bachelor Degree Programs from the Department of Business and Information Technology

- Computer Information Systems – Networking Option
- Computer Information Systems – Specialized IT Applications
- Computer Information Systems – Programming Option
- Computer Information Systems – Web Development Option
- Bachelor of Organizational Supervision

### Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.