Computer Information Systems: Programming & User Support, AAS

Award Granted: Associate in Applied Science in CIS: Programming & User Support

Major Code: 03/326

Credits/Contacts Required: **60/60**

CIP Code: 151202

Description

The CIS: Programming & User Support program prepares students for careers in programming and end-user support. Graduates will have the potential for employment in the areas of program development, software training, database support, web page development, and Help Desk Support. Graduates of this program will also have the opportunity to earn industry-recognized certifications.

General Education Requirements (Min 15 Credits)

- ENGL 101 - Rhetoric & Composition **Credits: 3**
- BUSN 177 - Mathematics of Business **Credits: 3**
- XXXX xxx - Social & Behavioral Science or Humanities Elective **Credits: 3**
- XXXX xxx - General Education Electives **Credits: 6**

Program Requirements (Min 45 Credits)

- BUSN 105 - Professional Workplace Skills **Credits: 2**
- CIS 101 - Computer Concepts & Apps **Credits: 4**
- CIS 123 - Microsoft PowerPoint **Credit: 1**
- CIS 130 - Spreadsheet Applications **Credits: 3**
- CIS 135 - Introduction to Cybersecurity **Credits: 2**
- CIS 140 - Database Applications **Credits: 3**
- CIS 210 - Web Page Design & Structure **Credits: 3**
- CSCI 101 - Computer Science I **Credits: 3**
- CSCI 120 - Principles of Programming **Credits: 4**
- CSCI 220 - Data Structures & Algorithms **Credits: 4**
- CSCI 230 - Java Programming **Credits: 4**
- OIS 150 - Word Processing Applications **Credits: 4**
- XXXX xxx - Approved Electives **Credits: 8 ***

* Approved Electives (Min 8 Credits)

- BUSN 160 - Introduction to Business **Credits: 3**
- BUSN 195 - Business Communications **Credits: 3**
- BUSN 203 - Management Information Systems **Credits: 3**
- CIS 125 - Business Technology Tools **Credits: 2**
- CIS 215 - Web Publishing **Credits: 3**
- CIS 271 - Computer Information Systems Internship/Co-op **Credit: 1**
- CIS 272 - Computer Information Systems Internship/Co-op **Credits: 2**
- CIS 273 - Computer Information Systems Internship/Co-op **Credits: 3**
- CNSS 115 - Cyber Ethics **Credits: 3**
- CNSS 245 - SQL Server **Credits: 4**
- OIS 102 - Computer Keyboarding Skill Development **Credit: 1**

Suggested Sequences Per Semester

First Semester

- BUSN 105 - Professional Workplace Skills **Credits: 2**
- BUSN 177 - Mathematics of Business **Credits: 3**
- CIS 101 - Computer Concepts & Apps **Credits: 4**
- CSCI 101 - Computer Science I **Credits: 3**
- ENGL 101 - Rhetoric & Composition **Credits: 3**

First Semester Total - Credit(s): 15 | Contacts: 15

Second Semester

- CIS 123 - Microsoft PowerPoint **Credit: 1**
- CIS 135 - Introduction to Cybersecurity **Credits: 2**
- CSCI 120 - Principles of Programming **Credits: 4**
- OIS 150 - Word Processing Applications **Credits: 4**
- XXXX xxx - Social & Behavioral Science or Humanities Elective **Credits: 3**

Second Semester Total - Credit(s): 15 | Contacts: 15

Third Semester

- CIS 140 - Database Applications **Credits: 3**
- CIS 210 - Web Page Design & Structure **Credits: 3**
- CSCI 230 - Java Programming **Credits: 4**
- XXXX xxx - General Education Electives **Credits: 3 ***
- XXXX xxx - Approved Electives **Credits: 3**

Third Semester Total - Credit(s): 16 | Contacts: 16

Fourth Semester

- CIS 130 - Spreadsheet Applications **Credits: 3**
- CSCI 220 - Data Structures & Algorithms **Credits: 4**
- XXXX xxx - General Education Electives **Credits: 3 ***
- XXXX xxx - Approved Electives **Credits: 5**

Fourth Semester Total - Credit(s): 15 | Contacts: 15

NOTES:

Internships and Co-ops may require that the student pass a criminal background check.

* Internship/Co-op credits (maximum 3) may be used as elective credits. All internship/co-ops must be approved by an advisor.

** MATH 105, MATH 105, MATH 110, or MATH 210 also accepted.

\+ These courses are prerequisites to other courses. Failure to take them in proper sequence may delay program completion.

\# These courses must be taken within five years of graduation to meet program requirements.

Keyboarding proficiency is expected for students enrolled in this degree program. Students who need to develop or improve their keyboarding skills should enroll in OIS 102.