CIS: Software and Network Support
Associate in Applied Science Degree

Why Software and Network Support?

The explosion of computer use in today's society has created a high demand for specialists to provide technical and end-user support to people using computer systems. The CIS: Programming and User Support degree program at Bay College will equip students to select, install, use, and help others to use computer systems and software. Students who wish to learn about current computer technologies and have an interest in learning about computer applications, cybersecurity, basic programming, and web development should explore this degree program. A graduate of the program will have the potential for employment in a high demand, high paying industry where the need for technical specialists is stronger than ever and continues to grow.

Why Bay College?

The Computer Information Systems Software and Network Support program at Bay College emphasizes problem solving using current software packages, hardware configurations, operating systems, and networks. Are you interested in developing your own software applications? Do you want to support and train users as they learn new technologies? Do you like working with hardware and configuring networks? Or maybe you would just like to brush up on your software skills. We offer the curriculum to support all of these things and more. Browse our programs and courses to see what we have to offer!

Beyond Bay College

Students interested in transferring to a four-year institution to obtain a bachelor's degree or higher may find opportunities in the following areas of study:

- **Computer Information Systems**
- **Computer Information Technology**
- **Computer Networking/Web Development**
- **Information Assurance/Cyber Defense**
- **Information Systems**
- **Mobile and Web App Development**

Career Opportunities

Graduates from the CIS: Software/Network Support program will be equipped to find employment in positions that provide technical support, assistance, trouble-shooting, and training to end computer users for software, hardware, and networks. Graduates can also find employment in the areas of:

- **Help Desk Support**
- **Network Support**
- **Software Training**
- **Web Page Development**

Contact

Bay College
2001 N Lincoln Rd
Escanaba, MI 49829

Bay College West Campus
2801 N US 2
Iron Mountain, MI 49801

Office of Admissions
906-217-4010
admissions@baycollege.edu

Cheryl Miller
Instructor
(906) 217-4144
millerc@baycollege.edu

Joyce King
Instructor
(906) 217-4085
kingj@baycollege.edu

BAY COLLEGE

baycollege.edu

CIS: Software/Network Support, AAS

Award Granted Upon Completion: Associate in Applied Science in CIS: Software/Network Support

Credits/Contacts Required: 60/62

Major code: 03/323

CIP Code: 110301

General Education Requirements (Min. 15 Credits)

Course #	Course Name	Cr
ENGL 101	Rhetoric & Composition	3
BUSN 177	Mathematics of Business	3**
XXXX xxx	Social & Behavioral Science or Humanities Elective	3
XXXX xxx	General Education Electives	6

Requirements (Min. 45 Credits)

Course #	Course Name	Cr
CIS 101	Computer Concepts & Applications	4#
CIS 123	Microsoft PowerPoint	1#
CIS 130	Spreadsheet Applications	3#
CIS 135	Introduction to Cybersecurity	2
CIS 140	Database Applications	3#
CIS 210	Web Page Design & Structure	3
CNSS 130	Introduction to Networks	4+
CNSS 150	A plus Computer Maintenance	4+
CNSS 230	Introduction to Unix Using Linux	4
CNSS 250	Windows Networking I	4+
CNSS 251	Windows Networking II	4
OIS 150	Word Processing Applications	4#
XXXX xxx	Approved Electives	5*

* Approved Electives (Min. 5 Credits)

Course #	Course Name	Cr
BUSN 195	Business Communications	3
BUSN 230	Management Information Systems	3
CIS 103	Visual Basic	4 or
CSCI 121	C++ Programming I	3
CIS 115	Using Microsoft Windows	3
CIS 125	Business Technology Tools	2
CIS 203	Visual Basic for Applications	3
CIS 215	Web Publishing	3
CIS 240	Advanced Database Applications	3
CIS 271	CIS Internship/Co-op	1*
CIS 272	CIS Internship/Co-op	2*
CIS 273	CIS Internship/Co-op	3*
CNSS 220	Network Design	4
CNSS 245	SQL Server	4
OIS 250	Advanced Word Processing Applications	3

Suggested Sequences Per Semester

First Semester

Course #	Course Name	Cr/Ct
CIS 101	Computer Concepts & Applications	4#
CIS 123	Microsoft PowerPoint	1#
CNSS 130	Introduction to Networks	4+
CNSS 150	A plus Computer Maintenance	4+
ENGL 101	Rhetoric & Composition	3

First Semester Total - Credit(s): 16 | Contacts: 18

Second Semester

Course #	Course Name	Cr/Ct
BUSN 177	Mathematics of Business	3**
CIS 130	Spreadsheet Applications	3#
CNSS 230	Introduction to Unix Using Linux	4
OIS 150	Word Processing Applications	4#

Second Semester Total - Credit(s): 14 | Contacts: 14

Third Semester

Course #	Course Name	Cr/Ct
CIS 135	Introduction to Cybersecurity	2
CIS 140	Database Applications	3#
CIS 210	Web Page Design & Structure	3
CNSS 250	Windows Networking I	4+
XXXX xxx	Social & Behavioral Science or Humanities Elective	3/3

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

Fourth Semester

Course #	Course Name	Cr/Ct
CNSS 251	Windows Networking II	4
XXXX xxx	Approved Electives	5/5*
XXXX xxx	General Education Electives	6/6

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

Note(s)

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 107, MATH 110 or MATH 210 also accepted

+ These classes are prerequisites to other courses in the program. 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.