

BUSINESS INFORMATION TECHNOLOGY

Credentials

| | |
|---|-----------|
| Business Information Technology certificate | 34-35 cr. |
| Business Information Technology AAS degree | 62-68 cr. |

Major Description

Business is becoming more complex every day due to the high-tech hardware and software used behind the scenes. If you enjoy staying current on the latest technological advances and finding the right technology to meet business needs, you can find a niche in this fast-growing field.

Information technology (IT) professionals help organizations in virtually every industry to determine the best use of automated systems to reach their goals. This field requires analytical and problem solving skills, technical expertise and the ability to juggle projects while meeting deadlines and quality standards. Excellent communication skills are also essential. Today's employers are looking for people who have a sound business background combined with the ability to develop or manage business computer systems. The widespread use of computers in all areas of business has generated new positions and expanded opportunities.

The associate in applied science degree program sets the stage for transfer to a four-year college or school.

The certificate program provides students with an overview of business and computer systems and results in a certificate of program completion.

Business Information Technology Certificate

Schoolcraft program code # 1YC.00242

The business information technology program is designed to meet the growing needs of industry for a new category of information technology professional. Today's employers increasingly request graduates who have a sound business background combined with the ability to develop or manage business computer systems.

This is a fast growing field with continual changes in hardware, software and procedures. The widespread use of computers in all areas of business has generated new positions and expanded opportunities in Information Technology. Effective use of technology enables businesses to serve customers better, access more information, be more flexible in responding to business changes and increase employee productivity.

This certificate is designed to provide students with an overview of business and computer systems.

Students who satisfactorily complete the program requirements qualify for a certificate of program completion.

SAMPLE SCHEDULE OF COURSES

First Year-Fall Semester

| | | |
|----------------------|-----------------------------------|-----------|
| BUS 101 | Introduction to Business | 3 |
| CIS 120 | Software Applications | 3 |
| CIS 129 | Introduction to Programming Logic | 3 |
| CNT 115 | Cybersecurity Fundamentals | 3 |
| ENG 101 | English Composition 1 | 3 |
| Total Credits | | 15 |

First Year-Winter Semester

| | | |
|----------------------|------------------------------|-----------|
| ACCT 201 | Principles of Accounting 1 | 4 |
| CIS 251 | IT Project Management | 3 |
| BUS 220 | Supervision | 3 |
| CIS 250 | Systems Development & Design | 4 |
| Total Credits | | 14 |

First Year—Spring Session

| | | |
|----------------------|---------------------|------------|
| BUS 217 | Business Management | 3 |
| Elective | <i>See list</i> | 2-3 |
| Total Credits | | 5-6 |

PROGRAM TOTAL 34-35 CREDITS

Electives

| | | | | | |
|---------|-----------------------------|---|---------|---------------------------------------|---|
| BUS 207 | Business Law 1 | 3 | CIS 221 | Advanced C++ | 2 |
| BUS 208 | Business Law 2 | 3 | CIS 223 | Introduction to C# | 3 |
| BUS 215 | Business on the Web | 3 | CIS 225 | Database Management Systems | 3 |
| BUS 226 | Principles of Marketing | 3 | CIS 255 | Introduction to Linux | 3 |
| CIS 170 | Microsoft Windows | 3 | CIS 274 | Advanced Linux | 3 |
| CIS 171 | Introduction to Networking | 3 | CIS 290 | Object-Oriented Programming With Java | 3 |
| CIS 176 | Visual Basic.NET | 3 | CNT 130 | Computer Hardware & Troubleshooting | 3 |
| CIS 178 | Technical Microsoft Windows | 3 | CNT 133 | Computer Software & Troubleshooting | 3 |
| CIS 185 | Introduction to HTML | 3 | CNT 210 | CCNA Networking 1 | 4 |
| CIS 211 | Introduction to C++ | 2 | CNT 250 | Server Administration 1 | 3 |

Not all courses are offered each semester. Students should work with an academic advisor or counselor to develop a schedule that will work for them.

Students planning to transfer should check the transfer institution's requirements/guides or discuss their options with an academic advisor or counselor. Number of credits may vary depending on the course selection.

Business Information Technology AAS Degree

Schoolcraft program code # AAS.00277

The business information technology program is designed to meet the growing needs of industry for a new category of information technology professional. Today's employers increasingly request graduates who have a sound business background combined with the ability to develop or manage business computer systems.

Business Information Technology AAS Degree (continued)

This is a fast growing field with continual changes in hardware, software and procedures. The widespread use of computers in all areas of businesses has generated new positions and expanded opportunities in information technology. Effective use of technology enables businesses to serve customers better, access more information, be more flexible in responding to business changes and increase employee productivity.

Students who satisfactorily complete all college and program requirements qualify for an associate in applied science degree.

SAMPLE SCHEDULE OF COURSES

First Year-Fall Semester

| | | |
|--------------|------------------------------------|-----------|
| ENG 101 | English Composition 1 | 3 |
| BUS 101 | Introduction to Business | 3 |
| CNT 115 | Cybersecurity Fundamentals | 3 |
| CIS 120 | Software Applications | 3 |
| CIS Elective | <i>Select CIS course from list</i> | 3 |
| | Total Credits | 15 |

First Year-Winter Semester

| | | |
|----------|---|--------------|
| English | <i>Select one</i> | 3 |
| ENG 102 | English Composition 2 | |
| ENG 106 | Business English | |
| MATH 113 | Intermediate Algebra for College Students | 4 |
| BUS 217 | Business Management | 3 |
| CIS 129 | Introduction to Programming Logic | 3 |
| Elective | <i>See list</i> | 2-3 |
| | Total Credits | 15-16 |

First Year-Spring/Summer Session

| | | |
|----------------|-------------------------------|------------|
| Social Science | <i>Select one</i> | 3-4 |
| POLS 105 | Survey of American Government | |
| PSYCH 153 | Human Relations | |
| PYSCH 201 | General Psychology | |
| COMA 103 | Fundamentals of Speech | 3 |
| | Total Credits | 6-7 |

Second Year-Fall Semester

| | | |
|--------------|--|--------------|
| BUS 220 | Supervision | 3 |
| CIS 250 | Systems Development & Design | 4 |
| CIS Elective | <i>Select CIS course from list</i> | 2-3 |
| Science | <i>Select General Education Science course</i> | 4 |
| | Total Credits | 13-14 |

Second Year-Winter Semester

| | | |
|----------|------------------------------|--------------|
| CIS 251 | IT Project Management | 3 |
| ACCT 201 | Principles of Accounting 1 | 4 |
| ECON 201 | Principles of Macroeconomics | 4 |
| Elective | <i>See list</i> | 2-4 |
| | Total Credits | 13-15 |

PROGRAM TOTAL 62-68 CREDITS

Electives

| | | | | | |
|---------|-----------------------------|---|---------|---------------------------------------|---|
| BUS 207 | Business Law 1 | 3 | CIS 221 | Advanced C++ | 2 |
| BUS 208 | Business Law 2 | 3 | CIS 223 | Introduction to C# | 3 |
| BUS 215 | Business on the Web | 3 | CIS 225 | Database Management Systems | 3 |
| BUS 226 | Principles of Marketing | 3 | CIS 255 | Introduction to Linux | 3 |
| CIS 170 | Microsoft Windows | 3 | CIS 274 | Advanced Linux | 3 |
| CIS 171 | Introduction to Networking | 3 | CIS 290 | Object-Oriented Programming With Java | 3 |
| CIS 176 | Visual Basic.NET | 3 | CNT 130 | Computer Hardware & Troubleshooting | 3 |
| CIS 178 | Technical Microsoft Windows | 3 | CNT 133 | Computer Software & Troubleshooting | 3 |
| CIS 185 | Introduction to HTML | 3 | CNT 210 | CCNA Networking 1 | 4 |
| CIS 211 | Introduction to C++ | 2 | CNT 250 | Server Administration 1 | 3 |

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