

## 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
	<b>Total Credits</b>	<b>15</b>

#### 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
	<b>Total Credits</b>	<b>14</b>

#### First Year—Spring Session

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

### 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
	<b>Total Credits</b>	<b>15</b>

#### 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
	<b>Total Credits</b>	<b>15-16</b>

#### 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
	<b>Total Credits</b>	<b>6-7</b>

#### 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
	<b>Total Credits</b>	<b>13-14</b>

#### 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
	<b>Total Credits</b>	<b>13-15</b>

### 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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