

# INFORMATION TECHNOLOGY - PROGRAMMING

The Occupational Skills Award and Certificate in the Computer Information Systems program are designed to provide students with skills needed in various aspects of information technology. Students will have the ability to gain knowledge and skills required to pass a variety of industry recognized certifications. Certificates are offered in the areas of programming, data base administration, computer maintenance and networking.

## Stackable Credentials

- Certificate - Programming
- Occupational Skills Award - SQL Server Database Fundamentals

## Full-Time Schedules

Occupational Skills Award - SQL Server Database Fundamentals (Full-Time)

Certificate - Programming (Full-Time)

## Occupational Skills Award - SQL Server Database Fundamentals

This Award consists of three of the first-semester courses in the Programming Certificate. This award leads students to the Programming Certificate.

### Full-Time Student Schedule

Course	Title	Semester Credit Hours
<b>Semester #1</b>		
COSC 1301	Introduction to Computing	3
COSC 1336	Programming Fundamentals I	3
ITSW 1307	Introduction to Database	3
<b>Semester Credit Hours</b>		<b>9</b>
<b>Total Semester Credit Hours</b>		<b>9</b>

## Certificate - Programming

Level One Certificate

This Certificate consists of a broad range of Information Technology (IT) courses designed to provide graduates with skills needed to work as an IT professional. This certificate is completed in three semesters with 35 credit hours. Students work part time as an intern during the last semester.

### Full-Time Student Schedule

Course	Title	Semester Credit Hours
<b>Semester #1</b>		
IMED 1316	Web Design I	3
COSC 1336	Programming Fundamentals I	3

ITSE 1391	Special Topics in Computer Programming - Uipath I: Robotic Process Automation Design and Development	3
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ITSW 1391	Special Topics in Data Processing Technology/Technician - Blue Prism I: Fundamentals of Robotic Process Automation Using Blue Prism Tools	3
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**Semester Credit Hours 12**

#### Semester #2

COSC 1301	Introduction to Computing	3
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IMED 2315	Web Design II	3
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COSC 1437	Programming Fundamentals II	4
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ITSC 1392	Special Topics in Data Processing and Data Processing Technology/Technician - Blue Prism II: Development of Robotic Process Automation Using Blue Prism Tools	3
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**Semester Credit Hours 13**

#### Semester #3

COSC 2336	Programming Fundamentals III	3
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ITSW 1307	Introduction to Database	3
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ITSE 1380	Cooperative Education - Computer Programming	3
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**Semester Credit Hours 9**

**Total Semester Credit Hours 34**