

INFORMATION TECHNOLOGY - PROGRAMMING - LEVEL ONE CERTIFICATE

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, database administration, computer maintenance and networking.

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 34 credit hours. Students work part time as an intern during the last semester.

Stackable Credentials

- Certificate - Programming (p. 1)
- Occupational Skills Award - SQL Server Database Fundamentals (<http://coursecatalog.com.edu/catalog/areas-of-study/stem/information-technology-sql-server-database-fundamentals-osa/#fulltimescheduletext>)

Full-Time Student Schedule

Course	Title	Semester Credit Hours
Semester #1		
IMED 1316	Web Design I	3
COSC 1336	Programming Fundamentals I ²	3
ITSE 1391	Special Topics in Computer Programming - Uipath I: Robotic Process Automation Design and Development	3
ITSW 1391	Special Topics in Data Processing Technology/Technician - Blue Prism I: Fundamentals of Robotic Process Automation Using Blue Prism Tools	3
Semester Credit Hours		12
Semester #2		
COSC 1301	Introduction to Computing ²	3
IMED 2315	Web Design II	3
COSC 1437	Programming Fundamentals II ²	4
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
Semester Credit Hours		13
Semester #3		
COSC 2336	Programming Fundamentals III ^{1,2}	3
ITSW 1307	Introduction to Database	3

ITSE 1380	Cooperative Education - Computer Programming	3
Semester Credit Hours		9
Total Semester Credit Hours		34

¹ Capstone course

² Course(s) listed in the Texas Common Course Numbering System (<https://tcns.org/institution/id:14/yid:19/>)

Part-Time Student Schedule

Course	Title	Semester Credit Hours
Semester #1		
IMED 1316	Web Design I	3
COSC 1336	Programming Fundamentals I ²	3
ITSE 1391	Special Topics in Computer Programming - Uipath I: Robotic Process Automation Design and Development	3
Semester Credit Hours		9
Semester #2		
ITSW 1391	Special Topics in Data Processing Technology/Technician - Blue Prism I: Fundamentals of Robotic Process Automation Using Blue Prism Tools	3
COSC 1301	Introduction to Computing ²	3
ITSW 1307	Introduction to Database	3
Semester Credit Hours		9
Semester #3		
COSC 1437	Programming Fundamentals II ²	4
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
IMED 2315	Web Design II	3
Semester Credit Hours		10
Semester #4		
COSC 2336	Programming Fundamentals III ^{1,2}	3
ITSE 1380	Cooperative Education - Computer Programming	3
Semester Credit Hours		6
Total Semester Credit Hours		34

¹ Capstone course

² Course(s) listed in the Texas Common Course Numbering System (<https://tcns.org/institution/id:14/yid:19/>)