

## COMPUTER INFORMATION SYSTEMS

### Junior Database Administrator Pathway Certificate

#### PROGRAM DESCRIPTION

The Junior Database Administrator Pathway Certificate is designed to prepare students with database administration, database programming, general problem-solving, and troubleshooting skills necessary to obtain entry-level work, or continue towards their AAS in Computer Information Systems.

#### PROGRAM OUTCOMES

Students who successfully complete the Certificate will:

1. Demonstrate the skills necessary for entry-level jobs in database administration
2. Develop database programming and administration skills

#### CAREER CONSIDERATIONS

This Pathway Certificate is a short-term educational goal aimed towards specific areas in Computer Information Systems. This certificate will address the need for a logical pathway of success for students. A student will be able to earn the certification and then continue seamlessly on to the existing CIS program. Those who are already employed in the profession that want to upgrade their job skills in a specific area may also benefit from this certification. This certificate may lead to entry-level database programming and administrator jobs.

#### PROGRAM COURSE REQUIREMENTS

##### Year One

CIS 233	Introduction to Programming II	4
CIS 275	Introduction to Database Management Systems I	4
CIS 276	Introduction to Database Management Systems II	4

**Total Credits 12**

## COMPUTER INFORMATION SYSTEMS

### Junior Programmer Pathway Certificate

#### PROGRAM DESCRIPTION

The Junior Programmer Pathway Certificate is designed to prepare students with computer programming, general problem-solving, and troubleshooting skills necessary to obtain entry-level work, or continue towards their AAS in Computer Information Systems.

#### PROGRAM OUTCOMES

Students who successfully complete the Certificate will:

1. Demonstrate the skills necessary for entry-level jobs in computer programming
2. Develop programming skills

#### CAREER CONSIDERATIONS

This Pathway Certificate is a short-term educational goal aimed towards specific areas in Computer Information Systems. This certificate will address the need for a logical pathway of success for students. A student will be able to earn the certification and then continue seamlessly on to the existing CIS program. Those who are already employed in the profession that want to upgrade their job skills in a specific area may also benefit from this certification. This certificate may lead to entry-level programmer jobs.

#### PROGRAM COURSE REQUIREMENTS

##### Year One

CIS 240M	Installing and Configuring Microsoft Windows Server	4
CIS 279M	Microsoft Windows Server Administration I	4
CIS 288M	Microsoft Windows Server Administration II	4

**Total Credits 12**