# 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 Junior Programmer Pathway 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

| Course | Title | Credits |
|---|---|---|
| **First Year** | | |
| **First Term** | | |
| CIS 122 | Orientation to Programming | 4 |
| | **Credits** | **4** |
| **Second Term** | | |
| CIS 133CS | Intro to Programming I | 4 |
| | **Credits** | **4** |
| **Third Term** | | |
| CIS 233CS | Intro to Programming II | 4 |
| | **Credits** | **4** |
| | **Total Minimum Credits** | **12** |

## Advising Notes

- Placement scores of MTH 104 (MTH 65) or higher and WR 115 or higher are required for entry into the CIS program.