Computer Information Systems (AAS)

Associate of Applied Science · Program Code: 243 · Credit Hours: 60-62 · Contact Hours: 66-68

Vice President: **Pete Olson**   Faculty Contact: **Michael Malleis**

This program prepares students for entry level employment in the computing industry. With an anticipated growth rate of 27% over the next ten years and a median salary nearly twice that of the national average, the program has a strong focus on Web Development. Students will receive a broad introduction to industry jobs including Web Development, System Administrators, IT Analysts and Data Base Administrators with a combination of theory, hands-on assignments, and portfolio of practical projects that will jumpstart your career. Students wishing to transfer to a four-year institution should plan to work closely with the CIS program coordinator.

General Education Requirements: 9-10 Credit Hours

- COM 170 - Interpersonal Communication (3 credit hours)
- ENG 111 - English Composition I (3 credit hours)
- B 104 - Business Math (3 credit hours) **OR**
- MATH 108 - Quantitative Reasoning Preparation (4 credit hours) (or higher)

Program Requirements: 45 Credit Hours

- CIS 100 - Introduction To Computers (3 credit hours)
- CIS 104 - Introduction To Programming Logic (3 credit hours)
- CIS 106 - Introduction to .NET Programming (3 credit hours)
- CIS 111 - Web Development I: HTML and CSS (3 credit hours)
- CIS 115 - C++ Programming I (3 credit hours)
- CIS 120 - Introduction To PC Operating Systems (3 credit hours)
- CIS 127 - Introduction to Information Security (3 credit hours)
- CIS 140 - Introduction To Unix (3 credit hours)
- CIS 141 - Web Development II: JavaScript (3 credit hours)
- CIS 150 - Introduction To Database Administration (3 credit hours)
- CIS 205 - C++ Programming II (3 credit hours)
- CIS 215 - Database Design And Management (3 credit hours)
- CIS 230 - Mobile App Design (3 credit hours) **OR**
- CIS 245 - Web Development III: Advanced Scripting, MVC and E-commerce (4 credit hours)
- IT 101 - Network+ (3 credit hours)
- IT 161 - Introductory Digital Logic (2 credit hours)

Additional Requirements: 6-7 Credit Hours

Select courses from the following list to satisfy the remaining credit hours of program requirements:

- B 161 - Introduction To Business (3 credit hours) **OR**
- B 165 - Small Business Essentials (3 credit hours)
- CIS 225 - Introduction To Java Programming I (3 credit hours)
- CIS 280 - Internship/Project (3 credit hours) **OR**
- **Other CIS course not previously taken to satisfy requirements above (4 credit hours)**