

Student ID: _____
Student Name: _____
Adviser Name: _____

Catalog: Catalog 2022-2023
Program: Computer Information Systems (AAS)
Minimum Credits Required: _____

Computer Information Systems (AAS)

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

Dean: **James Cousino** 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

Course Name	Term Taken	Grade	Gen Ed
COM 170 - Interpersonal Communication (3 credit hours)			
ENG 111 - English Composition I (3 credit hours)			
B 104 - Business Math (3 credit hours) or			
MATH 120 - Intermediate Algebra (4 credit hours) (or higher)			

Program Requirements: 45 Credit Hours

Course Name	Term Taken	Grade	Gen Ed
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:

Course Name	Term Taken	Grade	Gen Ed
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)			

Suggested Sequence for Full-Time Students:

Semester I (Fall)

Course Name	Term Taken	Grade	Gen Ed
CIS 100 - Introduction To Computers (3 credit hours)			

CIS 104 - Introduction To Programming Logic (3 credit hours)			
CIS 150 - Introduction To Database Administration (3 credit hours)			
COM 170 - Interpersonal Communication (3 credit hours)			
B 104 - Business Math (3 credit hours) or			
MATH 120 - Intermediate Algebra (4 credit hours) (or higher)			
Semester II (Winter)			
Course Name	Term Taken	Grade	Gen Ed
CIS 111 - Web Development I: HTML and CSS (3 credit hours)			
CIS 120 - Introduction To PC Operating Systems (3 credit hours)			
CIS 215 - Database Design And Management (3 credit hours)			
ENG 111 - English Composition I (3 credit hours)			
• One Additional Requirement			
Semester III (Fall)			
Course Name	Term Taken	Grade	Gen Ed
CIS 115 - C++ Programming I (3 credit hours)			
CIS 127 - Introduction to Information Security (3 credit hours)			
CIS 141 - Web Development II: JavaScript (3 credit hours)			
IT 101 - Network+ (3 credit hours)			
IT 161 - Introductory Digital Logic (2 credit hours)			
Semester IV (Winter)			
Course Name	Term Taken	Grade	Gen Ed
CIS 106 - Introduction to .NET Programming (3 credit hours)			
CIS 140 - Introduction To Unix (3 credit hours)			
CIS 205 - C++ Programming II (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)			
• One Additional Requirement			
Notes:			