

ASSOCIATE OF APPLIED SCIENCE - COMPUTER INFORMATION TECHNOLOGY - WEB DEVELOPMENT EMPHASIS

The Web Development emphasis will prepare students to implement a business web presence by understanding the "back-end" programming aspect of a web page.

Degree Emphasis Outcomes

Student completing this emphasis will:

- Demonstrate the technical proficiency required to perform background programming.
- Illustrate the technical proficiency required to modify the base programming for webpage troubleshooting process.
- Students will communicate and work effectively with other team members in a scenario-type project environment to complete the required tasks which will parallel real-world requirements.

AAS degrees are generally non-transfer degrees that are designed for students to enter the workforce.

To earn an AAS degree, students must:

1. Maintain a minimum cumulative GPA of 2.0 (see requirements for graduation.)
2. Complete a minimum of 15 units within the college.
3. Satisfy General Education requirements for the AAS (<http://catalog.tmcc.edu/degrees-certificates/general-education/aas>).
4. Have no financial or library obligation to the college.

General Education Requirements

English/Communications 6

Recommended: BUS 107, ENG 101, ENG 107, ENG 108, COM 113 or COM 215 ¹

Fine Art/Humanities/Social Science ¹ 3

Human Relations ¹ 3

Mathematics 3

Recommended:

MATH 126 Pre-Calculus I ((or Higher))

Science ¹ 3

Additional College Requirements

Diversity ¹ 3

U.S. and Nevada Constitutions ¹ [3]

Required: Choose one or two courses from the following

PSC 101 Introduction to American Politics
or CH 203 American Experiences and Constitutional Change

HIST 101 US History to 1877
& HIST 102 and U. S. History since 1877

HIST 101 US History to 1877
& HIST 217 and Nevada History

HIST 101 US History to 1877
& PSC 100 and Nevada Constitution

HIST 101 US History to 1877
& PSC 208 and Survey of State and Local Government

Degree Requirements

Core

CIT 112	Network +	3
CIT 114	IT Essentials	4
CIT 128	Introduction to Software Development	4
CIT 173	Introduction to Linux	3
CS 151	Introduction to Cybersecurity	3

Emphasis

CIT 130	Beginning Java	3
CIT 134	Beginning C# Programming	3
CIT 151	Beginning Web Development	3
CIT 152	Web Script Language Programming	3
CIT 180	Database Concepts and SQL	3

Electives

Choose 4-8 Elective Units		7
CIT 174	Linux System Administration	
CIT 211	MCITP/MCTS Windows Workstation OS	
CIT 215	MCITP Active Directory	
CIT 216	Server+	
CSCO 120	CCNA Internetworking Fundamentals	
CSCO 121	CCNA Routing and Switching Essentials	
CSCO 230	Fundamentals of Network Security	

Total Units 60

¹ Course may also count toward degree requirements. Please consult with Academic Advisement.

Course	Title	Units
1st semester		
	English/Communications ³	3
	Mathematics ³	3
CIT 114	IT Essentials	4
CIT 128	Introduction to Software Development	4
CS 151	Introduction to Cybersecurity	3
Semester Total		17
2nd semester		
CIT 112	Network +	3
CIT 151	Beginning Web Development	3
CIT 173	Introduction to Linux	3
	English/Communications ³	3
	Human Relations ²	3
Semester Total		15
3rd semester		
CIT 130	Beginning Java	3
CIT 134	Beginning C# Programming	3
	Diversity ²	3
	Elective ³	3

Fine Arts/Humanities/Social Studies ²	3
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Semester Total	15
4th semester	
CIT 152 Web Script Language Programming	3
CIT 180 Database Concepts and SQL	3
Elective ³	1
Science ²	3
U.S. and Nevada Constitutions ³	3
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Semester Total	13
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Total Units	60

² See Approved General Education List for the AAS Degree. (<http://catalog.tmcc.edu/degrees-certificates/general-education/aas>)

³ See program recommendations or requirements.