

AAS, COMPUTER INFORMATION TECHNOLOGY

Web Development

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

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.

Code	Title	Units
General Education Requirements		
<i>English/Communications</i>		6
Recommended: BUS 107, ENG 101, ENG 107, ENG 108, COM 113 or COM 215 ¹		
<i>Fine Art/Humanities/Social Science</i> ¹		3
<i>Human Relations</i> ¹		3
<i>Mathematics</i>		3
Required:		
MATH 126	Pre-Calculus I (or Higher)	
Science ¹		3
Additional College Requirements		
<i>Diversity</i> ¹		3
<i>U.S. and Nevada Constitutions</i> ¹		[3]
Required: Choose one or two courses from the following		
PSC 101 or CH 203	Introduction to American Politics American Experiences and Constitutional Change	
HIST 101 & HIST 102	US History to 1877 and U. S. History since 1877	
HIST 101 & HIST 217	US History to 1877 and Nevada History	
HIST 101 & PSC 100	US History to 1877 and Nevada Constitution	

HIST 101 & PSC 208	US History to 1877 and Survey of State and Local Government	
Degree Requirements		
Core		
CIT 112	Network +	3
CIT 114	IT Essentials	4
CIT 173	Introduction to Linux	3
CS 151	Introduction to Cybersecurity	3
CIT 263	Project Management	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 8 Elective Units		8
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.

	Units
1st semester	
English/Communications ³	3
Mathematics ³	3
CIT 114 IT Essentials	4
CS 151 Introduction to Cybersecurity	3
CIT 263 Project Management	3
Semester Total	16
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
Semester Total	15
4th semester	
CIT 152 Web Script Language Programming	3

AAS, Computer Information Technology

CIT 180	Database Concepts and SQL	3
Elective ³		2
Science ²		3
U.S. and Nevada Constitutions ³		3
Semester Total		14
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.