WEB DEVELOPMENT, COMPUTER INFORMATION TECHNOLOGY, AAS

Program Code: Web Development-AAS

Program Description

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.

Recommended Course Schedule

1st semester		Units
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
CIT 180 or DATA 210	Database Concepts and SQL or Introduction to SQL for Data Science	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. (https://catalog.tmcc.edu/degrees-certificates/general-education/aas/)

[3] See program recommendations or requirements.

Program Requirements

AAS degrees are generally non-transfer degrees 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 (https://catalog.tmcc.edu/degrees-certificates/general-education/aas/).
4. Have no financial or library obligation to the college.

Code	Title	Units
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 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
or DATA 210	Introduction to SQL for Data Science	
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.

Program Outcomes

Students completing the degree will:

PSLO1: Demonstrate the technical proficiency required to perform background programming.

PSLO2: Illustrate the technical proficiency required to modify the base-programming for webpage troubleshooting process.

PSLO3: 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.