CONSTRUCTION MANAGEMENT, ARCHITECTURE AND CONSTRUCTION, AAS

Program Description

The Associate of Applied Science, Architecture and Construction, Construction Management will provide the student with the basic, entry-level skills set and understanding of the construction industry as it relates to the residential, commercial and heavy construction markets. The successful student upon completion of this two-year program will possess the necessary knowledge to enter the construction management field.

Recommended Course Schedule

1st semester		Units
AAD 125	Construction Drawings and Detailing	3
AAD 201	History of the Built Environment	3
CONS 155	On-Site Construction Supervision	3
ENG 101 or ENG 100 or ENG 102	Composition I or Composition Enhanced or Composition II	3
IS 101	Introduction to Information Systems	3
	Semester Total	**15**
2nd semester		
CONS 111	Commercial Building Codes	3
ENG 102 or ENG 114	Composition II or Composition II For International and Multilingual Students	3
Mathematics [2]		3
MGT 171	Supervision and Human Relations	3
PSC 101	Introduction to American Politics	3
	Semester Total	**15**
3rd semester		
CONS 121	Principles of Construction Estimating	3
CONS 205	Construction Site Safety	3
Elective [2]		6
GEOL 100	Earthquakes, Volcanoes and Natural Disasters	3
	Semester Total	**15**
4th semester		
CONS 211	Construction Cost Control	3
CONS 221	Construction Estimating II	3
CONS 281	Construction Planning, Scheduling and Control	3
CONS 282	Construction Law	3
AAD 261	Introduction to Topo Form and Design Technology	3
	Semester Total	**15**
	Total Units	**60**

[2] See program recommendations or requirements.

Program 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 (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		
Communications/English		*6*
Required:		
ENG 101	Composition I [1]	
or ENG 100	Composition Enhanced	
or ENG 113	Composition I for International and Multilingual Students	
Required:		
ENG 102	Composition II	
or ENG 114	Composition II For International and Multilingual Students	
Fine Arts/Humanities/Social Science		*3*
Recommended:		
U.S. and Nevada Constitutions course		
Human Relations		*3*
Recommended:		
MGT 171	Supervision and Human Relations	
Mathematics		*3*
Required:		
MATH 126	Pre-Calculus I (or Higher)	
Science		*3*
Recommended:		
GEOL 100	Earthquakes, Volcanoes and Natural Disasters	
Additional College Requirements		
Diversity [1]		*[3]*
Required:		
AAD 201	History of the Built Environment [1]	
U.S. and Nevada Constitutions		*(3)*
Required, Choose one or two from the following: [1]		
PSC 101	Introduction to American Politics [1]	
or CH 203	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		
AAD 125	Construction Drawings and Detailing	3
AAD 201	History of the Built Environment	3
AAD 261	Introduction to Topo Form and Design Technology	3
Emphasis		
CONS 111	Commercial Building Codes	3
CONS 121	Principles of Construction Estimating	3
CONS 155	On-Site Construction Supervision	3
CONS 205	Construction Site Safety	3
CONS 211	Construction Cost Control	3
CONS 221	Construction Estimating II	3
CONS 281	Construction Planning, Scheduling and Control	3
CONS 282	Construction Law	3
IS 101	Introduction to Information Systems	3
Elective		*6*
Select at least 6 units from the following:		
CADD 100	Introduction to Computer-Aided Drafting	
CONS 198	Special Topics in Construction	
CONS 290	Internship in Construction	
MGT 201	Principles of Management	
AAD 223	Graphic Software for Arch, Const, Dsgnr, Planners [2]	
AAE 280	Design Foundations II [2]	
AAE 282	Design Foundations III [2]	
Total Units		**60**

[1] May also count toward additional college requirements. Please consult with Academic Advisement.

[2] The Bachelor of Architecture requires the indicated courses.

Program Outcomes

Students completing the degree will:

PSLO1: Understand, develop, apply and demonstrate specific construction management skills related to supervision techniques, scheduling, cost control systems, and construction contracts.

PSLO2: Examine and evaluate construction project documents, plans and specifications as determined by the needs included in the material takeoff and estimating process.

PSLO3: Formulate and organize management applications utilizing general construction knowledge in the areas of safety, construction materials, scheduling and methods for efficient production.