

ASSOCIATE OF APPLIED SCIENCE - CONSTRUCTION AND DESIGN - CONSTRUCTION MANAGEMENT EMPHASIS

This course of study 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.

Degree Outcomes

Students completing the degree will:

- Fulfill the requirements of the Associate of Applied Science.
- Demonstrate competency in their specified emphasis.

Emphasis Outcomes

Students completing the emphasis will:

- Understand, develop, apply and demonstrate specific construction management skills related to supervision techniques, scheduling, cost control systems and construction contracts.
- Examine and evaluate construction project documents, plans and specifications as determined by the needs included in the material takeoff and estimating process.
- Formulate and organize management applications utilizing general construction knowledge in the areas of safety, construction materials, scheduling and methods for efficient production.

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

Communications/English 6

Recommended:

ENG 101 Composition I
& ENG 107 and Technical Communications I ¹

Required:

ENG 102 Composition II
or ENG 114 Composition II For International Students

Fine Arts/Humanities/Social Science

Required:

AAD 201 History of the Built Environment 3

Human Relations 3

Recommended:

MGT 171 Supervision

Mathematics 3

Recommended:

MATH 108 Math for Technicians ²

Science 3

Recommended:

ENV 101 Introduction to Environmental Science

Additional College Requirements

Diversity ¹ [3]

Recommended:

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 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

AAD 125 Construction Drawings and Detailing 3

CONS 120 Print Reading and Specification 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

Elective 9

Select at least 9 units from the following:

ADT 230 Mechanical and Electrical Equip for Buildings

ADT 245 Statics and Strength of Materials

CADD 100 Introduction to Computer-Aided Drafting

CONS 198 Special Topics in Construction

CONS 290 Internship in Construction

IS 101 Introduction to Information Systems

MGT 201 Principles of Management

SUR 119 Construction Surveying

Total Units 60

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

² If this AAS degree is used for transfer toward the Bachelor of Arts Technology Degree at WNC, Math 126 or higher will be required.

Course	Title	Units
1st semester		
AAD 125	Construction Drawings and Detailing	3
AAD 201	History of the Built Environment	3
CONS 120	Print Reading and Specification	3
CONS 155	On-Site Construction Supervision	3
U.S. and Nevada Constitutions ³		3
Semester Total		15
2nd semester		
ENG 101	Composition I	3
ENG 107	Technical Communications I	3
CONS 111	Commercial Building Codes	3
Mathematics ⁴		3
Human Relations ⁴		3
Semester Total		15
3rd semester		
CONS 121	Principles of Construction Estimating	3
CONS 205	Construction Site Safety	3
Elective ⁴		6
ENV 101	Introduction to Environmental Science	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
Elective ⁴		3
Semester Total		15
Total Units		60

³ See approved General Education list for the AAS Degree. (<http://catalog.tmcc.edu/degrees-certificates/general-education/aas>)

⁴ See program recommendations or requirements.