

ASSOCIATE OF APPLIED SCIENCE - CONSTRUCTION AND DESIGN - ARCHITECTURE EMPHASIS

This transferable degree introduces students to the design philosophies, methodologies, theories, and techniques necessary to continue their education in the field of architecture. Courses adhere to standards established by national industry associations and may fulfill requirements for students transferring into accredited baccalaureate programs. Students are strongly encouraged to work with a faculty advisor to select appropriate courses for their selected baccalaureate program.

Emphasis Outcomes

Students completing the degree will:

- Identify and apply architectural design theories.
- Prepare basic architectural presentations demonstrating design and construction knowledge.
- Synthesize course knowledge and skills that will enable them to meet the requirements for acceptance into an accredited architectural program.

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*¹ 6

Recommended:

ENG 101 Composition I
or ENG 113 Composition I for International Students

Required:

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

*Fine Arts/Humanities/Social Science*² 3

Required:

AAD 201 History of the Built Environment²

Human Relations: [3]

Embedded

AAD 180 Design Foundation I
& AAD 181 and Design Foundation I Discussion

Mathematics

Required:

MATH 127 Pre-Calculus II 3

Science [3]

Required:

PHYS 151 General Physics I³ 4

Additional College Requirements

Diversity [3]

AAD 201 History of the Built Environment

*U.S. and Nevada Constitutions*² 3

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

AAD 125 Construction Drawings and Detailing 3

CONS 120 Print Reading and Specification 3

Emphasis

AAD 100 Introduction to Architectural Design 3

AAD 180 Design Foundation I 3

AAD 181 Design Foundation I Discussion 3

AAD 202 Analysis of the Built Environment 3

AAD 223 Graphic Software for Arch, Const, Dsgnr, Planners 3

AAD 230 Design with Climate 3

AAD 265 Computer Applications in Architecture I 3

AAD 280 Fundamentals of Architecture Design I 3

AAD 282 Fundamentals of Architecture Design II 3

Electives 6

AAD 198 Special Topics in AAD

ADT 290 Intern in Arch Design Technology

ART 101 Drawing I

MATH 126 Pre-Calculus I

PHYS 151 General Physics I³

Or choose any other transferable elective.

Total Units 60

¹ If you place into ENG 102 or ENG 114 the additional 3 required units will become elective units.

² May also count toward additional degree requirements. Please consult with Academic Advisement.

³ Additional Science unit will count toward electives.

Course	Title	Units
1st semester		
AAD 100	Introduction to Architectural Design	3
AAD 180	Design Foundation I	3
AAD 181	Design Foundation I Discussion	3
ENG 101 or ENG 113	Composition I or Composition I for International Students	3

MATH 126	Pre-Calculus I (or higher)	3
Semester Total		15
2nd semester		
AAD 125	Construction Drawings and Detailing	3
AAD 201	History of the Built Environment	3
AAD 230	Design with Climate	3
ENG 102	Composition II	3
MATH 127	Pre-Calculus II	3
Semester Total		15
3rd semester		
AAD 223	Graphic Software for Arch, Const, Dsgnr, Planners	3
AAD 280	Fundamentals of Architecture Design I	3
Elective (ART 101 is recommended) ⁴		5
PSC 101	Introduction to American Politics	3
Semester Total		14
4th semester		
AAD 202	Analysis of the Built Environment	3
AAD 265	Computer Applications in Architecture I	3
AAD 282	Fundamentals of Architecture Design II	3
CONS 120	Print Reading and Specification	3
PHYS 151	General Physics I ³	4
Semester Total		16
Total Units		60

⁴ See program recommendations or requirements.