

Residential Design Emphasis

Architectural Design Technology Degree

Associate of Applied Science

This emphasis prepares students with the knowledge, skills and abilities to design, draft, work with computers, and analyze construction data as it pertains to residential design. A student with this degree will satisfy the two-year educational requirement for registration as a Residential Designer as set forth by the Nevada State Board of Architecture, Interior Design and Residential Design.

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:

- Possess a basic knowledge of residential design theory as it relates to space, form and context as it pertains to the practice of residential design.
- Prepare basic residential design presentations demonstrating design and construction knowledge and draft construction drawings through computer and hand techniques.
- Possess the design skills and fulfill the education requirements of the Nevada State Board of Architecture to sit for the Residential Designer Exam.

General Education Requirements

Diversity (3 credits)

Recommended: AAD 201

English/Communications 6 credits

Recommended: BUS 106 or BUS 108 and BUS 107 or ENG 101 (113) and ENG 102 (114)

Human Relations 3 credits

Recommended: MGT 171, 201 or 212

Quantitative Reasoning 3 credits

Recommended: MATH 126 or higher

Science 6 credits

Recommended: Choose courses 100-level or above from the following areas: chemistry, environmental science, geology or physics

Social Science/Humanities 3 credits

Recommended: AAD 201

U.S. and Nevada Constitutions 3 credits

Recommended: PSC 101

Total General Education Requirements 24 Credits

Core Requirements

AAD 100	Introduction to Architectural Design	3
AAD 125	Construction Drawings and Detailing	3
AAD 180	Fundamentals of Design I.....	3
AAD 181	Fundamentals of Design I Discussion.....	3
ADT 105	Architectural Drafting I.....	5

Total Core Requirements 17 Credits

Emphasis Requirements.....

AAD 182	Fundamentals of Design II.....	3
AAD 183	Fundamentals of Design II Discussion.....	3
AAD 265	Computer Applications in Architecture I	3
ADT 230	Mechanical and Electrical Equipment for Buildings	3
ADT 245	Statics and Strength of Materials.....	3
ADT 256	Introduction to Land Use Planning	3
ADT 290	Intern in Arch Design Technology	3
BI 101	Introduction to Building Codes.....	3
ENRG 130	Introduction to Solar Energy.....	3
SUR 161	Elementary Surveying.....	4

Total Emphasis Requirements 31 Credits

Total Degree Requirements 72 Credits

Suggested Course Sequence

First Year	Course #	Title	Credits
1st Semester			
Core	AAD 100	Introduction to Architectural Design	3
Core	AAD 180	Fundamentals of Design I	3
Core	AAD 181	Fundamentals of Design I Discussion	3
Core	ADT 105	Architectural Drafting I	5
Emphasis	ENRG 130	Introduction to Solar Energy	3
			Total 17
2nd Semester			
Core	AAD 125	Construction Drawings and Detailing	3
Emphasis	AAD 182	Fundamentals of Design II	3
Emphasis	AAD 183	Fundamentals of Design II Discussion	3
English	ENG 101	Composition I	3
Quantitative Reasoning	MATH 126	Pre-Calculus I	3
			Total 15
Second Year			
1st Semester			
Social Science/ Humanities/Diversity	AAD 201	History of the Built Environment	3
Emphasis	ADT 256	Introduction to Land Use Planning	3
Emphasis	BI 101	Introduction to Building Codes	3
Emphasis	SUR 161	Elementary Surveying	4
			Total 13
2nd Semester			
Emphasis	AAD 265	Computer Applications in Architecture	3
Emphasis	ADT 245	Statics and Strength of Materials	3
Communications	BUS 107	Business Speech Communications	3
Science	Elective	Choose from recommended list	3
Science	PHYS 151	General Physics	4
			Total 16
Third Year			
1st Semester			
Emphasis	ADT 230	Mechanical and Electrical Equipment for Buildings	3
Emphasis	ADT 290	Intern in Arch Design Technology	3
Human Relations	MGT 171	Supervision	3
U.S. and Nevada Constitutions	PSC 101	Introduction to American Politics	3
			Total 12
			Degree Total 73