ARCHITECTURAL DESIGN TECHNOLOGY – RESIDENTIAL DESIGN EMPHASIS 72 Credits

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree program builds the skills required to produce professional and quality residential architectural designs. The core curriculum is a sequence of lecture/lab courses that stress the theory and method of detailing, drafting and designing residential buildings. Graduates can seek employment at residential design and architectural firms. Along with special program courses, academic skills emphasizing related math, science and human relations components are stressed to prepare students to meet the challenges common in the workplace.

STUDENT LEARNING OUTCOMES – *Graduates of this program will have the opportunity to:*

- Comprehend and utilize design standards and skills specific to the architecture profession.
- Comprehend and utilize building codes appropriately in the design of residential buildings.
- Comprehend building systems, to include: structural, plumbing, electrical, mechanical and utilize their role in the production of architectural working drawings and construction documents.
- Organize and produce a set of architectural working drawings for a residential building.
- Comprehend and utilize design principles, to include: site context, user needs, climate conditions and other environmental conditions through assigned residential design projects.

GENERAL EDUCATION REQUIREMENTS (28 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 126 and 127 or MATH 128	5-6	_____
SCIENCE: GEOG 103, PHYS 151	7	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: ART 101	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (44 Credits):

		CR	SEMESTER
AAD 180	Fundamentals of Design I	3	_____
AAD 182	Fundamentals of Design II	3	_____
AAE 100	Introduction to Architecture	3	_____
ADT 100B	Introduction to Drafting Theory	3	_____
ADT 103B	Urban Planning	3	_____
ADT 107B	Architectural Residential Codes	2	_____
ADT 114B	History of the Built Environment	3	_____
ADT 201B	Introduction to Building Information Modeling	3	_____
ADT 205B	Architectural Environmental Control Systems	3	_____
ADT 210B	Residential Structural Technology	3	_____
ADT 280B	Architectural Residential Design	3	_____
ADT 282B	Architectural Residential Design II	3	_____
CADD 105	Intermediate Computer Aided Drafting	3	_____
CONS 120B	Printreading and Specifications	3	_____
SCT 105B	Sustainable Construction Materials	3	_____

ASSOCIATE OF APPLIED SCIENCE

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

ADTRES-AAS

72 Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

GUIDED PATHWAY 2014-2015
AAS - ARCHITECTURAL DESIGN TECHNOLOGY
RESIDENTIAL DESIGN

72 CREDITS

First Semester		*Credits*		*Completed*
AAD 180	Fundamentals of Design I	3	***Fall Only***	
AAE 100	Introduction to Architecture	3		
CONS 120B	Printreading and Specifications	3		
ENG	English Placement Test	3		
SCT 105B	Sustainable Construction Materials	3		
	Total	**15**		

Second Semester		*Credits*		
AAD 182	Fundamentals of Design II	3	***Spring Only***	
ADT 100B	Introduction to Drafting Theory	3		
ADT 107B	Architectural Residential Codes	2	***Spring Only***	
ADT 201B	Introduction to Building Information Modeling	3		
MATH 128	Precalculus and Trigonometry	5		
	Total	**16**		

Third Semester		*Credits*		
ADT 103B	Urban Planning	3	***Fall Only***	
ADT 114	Histfory of the Buildt Environment	*3*	***Fall Only***	
ADT 280B	Architectural Residential Design	*3*	***Fall Only***	
PHYS 151	General Physics I	4		
	Total	**13**		

Fourth Semester		*Credits*		
ADT 202	Intermediate Building Information Modeling	3	***Spring Only***	
ADT 205B	Architecture Environmental Control Systems	3	***Spring Only***	
ADT 210B	Residential Structural Technology	3	***Spring Only***	
ADT 282B	Architectural Residential Design II	*3*	***Spring Only***	
PSC 101	Introduction to American Politics	*4*		
	Total	**16**		

Fifth Semester		*Credits*		
ART 101	Drawing I	3		
Communications Requirement (**choose one**)		3		
GEOG 103	Physical Geography	3		
Human Relations Requirement (**choose one**)		3		
	Total	**12**		