

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This AAS degree prepares students to inspect and oversee the construction of commercial and residential buildings and landscape management, including sustainable (green) construction. Students learn proper procedures and materials that comply with plans, specifications, building codes, landscape procedures, energy audits and/or the LEED rating system. Students are prepared for employment as construction estimators, project managers, landscape managers, green specialists and other supervisory positions in the construction/landscape industries. Along with special program courses, academic skills emphasizing 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:

- Identify items, elements or systems in a construction project by manually and visually identifying what is necessary for its construction, accurately calculate the quantities needed and estimate its total installed cost. (Construction Estimating)
- Explain the construction field administration phase, including describing contract documents, construction schedules, submittals, reports and close-out elements. (Construction Management)
- Identify construction contracts, lien laws, contract changes, scheduling, insurances and bond and contract disputes. (Construction Law)
- Compare advantages of utilizing green construction materials over the more conventional construction materials, including how the materials are produced, the general properties of the material and how material is installed. (Construction Material)
- Describe green alternatives to conventional building practices and describe the pros and cons of those alternatives. (Sustainable Construction - New)
- Explain construction retrofitting for energy efficiency of existing buildings. (Sustainable Construction - Existing)

GENERAL EDUCATION REQUIREMENTS (22 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 115	3	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: MGT 100B	3	_____
MATHEMATICS: MATH 104B or above (except MATH 111B, 115B, 122, 123)	3	_____
SCIENCE: ENV 101, GEOG 103	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: PSY 101, SOC 101, SPAN 101B	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (38 Credits):

	CR	SEMESTER
CONS 120B Printreading and Specifications	3	_____
CONS 205B Construction Site Safety OSHA Standards	3	_____
CONS 282B Construction Law	3	_____
CONS 286B Construction Management and Analysis	3	_____
CONS 299B Construction Technology Capstone	2	_____
SCT 101B Fundamentals of Sustainability	3	_____

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	CR	SEMESTER
SCT 105B Sustainable Construction Materials	3	_____
SCT 201B Sustainable Construction of New Buildings	3	_____
SCT 202B Sustainable Construction of Existing Buildings	3	_____

FOR CONSTRUCTION MANAGEMENT:

BI 101B Introduction to Building Codes	4	_____
BUS 101 Introduction to Business	3	_____
CONS 221 Construction Estimating	3	_____
CONS 281B Construction Planning, Scheduling and Control	3	_____

FOR SUSTAINABLE CONSTRUCTION TECHNOLOGY:

CONS 288B Quality Control of Construction Waste	3	_____
SCT 113B Renewable Energy Efficiency	3	_____
SCT 210B Sustainable Technology	3	_____
SCT 290B Legal Development of Sustainable Construction	3	_____

FOR LANDSCAPE MANAGEMENT:

LAND 200B Landscape Management	3	_____
LAND 214B Irrigation Systems	3	_____
LAND 223B Integrated Pest Management	3	_____
LAND 257 Ornamental Plant Materials	3	_____
or		
LAND 258 Xeric Plant Materials		

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

CONST-AAS

60
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 CONSTRUCTION TECHNOLOGY
CONSTRUCTION MANAGEMENT
 61 Credits

First Semester <i>Fall</i>			<i>Credits</i>	<i>Completed</i>
CONS 120B	Printreading and Specifications	3	<i>Fall Only</i>	_____
ENG	English Placement Test	3		_____
MATH 104B	Applied Mathematics	3		_____
SCT 101B	Fundamentals of Sustainability	3		_____
SCT 105B	Sustainable Construction Materials	3		_____
Total		15		

Second Semester			<i>Credits</i>	
BI 101B	Introduction to Building Codes	4	<i>Spring Only</i>	_____
COM 115	Applied Communication	3		_____
CONS 205B	Construction Site Safety OSHA Standards	3	<i>Spring Only</i>	_____
CONS 282B	Construction Law	3	<i>Spring Only</i>	_____
MGT 100B	Practical Human Relations for Business	3		_____
Total		16		

Third Semester			<i>Credits</i>	
BUS 101	Introduction to Business	3		_____
CONS 221	Construction Estimating	3	<i>Fall Only</i>	_____
CONS 281B	Construction Planning, Scheduling & Control	3	<i>Fall Only</i>	_____
Science Requirement (choose one)		3		_____
SCT 201B	Sustainable Construction of New Buildings	3	<i>Fall Only</i>	_____
Total		15		

Fourth Semester			<i>Credits</i>	
CONS 286B	Construction Management & Analysis	3	<i>Spring Only</i>	_____
CONS 299B	Construction Technology Capstone	2	<i>Spring Only</i>	_____
Fine Arts/Humanities/Soc Sc Requirement (choose one)		3		_____
PSC 101	Introduction to American Politics	4	<i>Spring Only</i>	_____
SCT 202B	Sustainable Construction of Existing Buildings	3		_____
Total		15		

Guided Pathway 2014-2015
AAS CONSTRUCTION TECHNOLOGY
CONSTRUCTION MANAGEMENT
 61 Credits

First Semester <i>Fall</i>			<i>Credits</i>	<i>Completed</i>
CONS 120B	Printreading and Specifications	3	<i>Fall Only</i>	_____
ENG	English Placement Test	3		_____
SCT 101B	Fundamentals of Sustainability	3		_____
SCT 105B	Sustainable Construction Materials	3		_____
Total		12		

Second Semester			<i>Credits</i>	
BI 101B	Introduction to Building Codes	4	<i>Spring Only</i>	_____
CONS 205B	Construction Site Safety OSHA Standards	3	<i>Spring Only</i>	_____
CONS 282B	Construction Law	3	<i>Spring Only</i>	_____
MATH 104B	Applied Mathematics	3		_____
Total		13		

Third Semester			<i>Credits</i>	
COM 115	Applied Communication	3	<i>Fall Only</i>	_____
CONS 221	Construction Estimating	3		_____
CONS 281B	Construction Planning, Scheduling & Control	3		_____
SCT 201B	Sustainable Construction of New Buildings	3		_____
Total		12		

Fourth Semester			<i>Credits</i>	
CONS 286B	Construction Management & Analysis	3	<i>Spring Only</i>	_____
CONS 299B	Construction Technology Capstone	2	<i>Spring Only</i>	_____
Fine Arts/Humanities/Soc Sc Requirement (choose one)		3		_____
SCT 202B	Sustainable Construction of Existing Buildings	3		_____
Total		11		

Fifth Semester			<i>Credits</i>	
BUS 101	Introduction to Business	3		_____
MGT 100B	Practical Human Relations for Business	3		_____
PSC 101	Introduction to American Politics	4		_____
Science Requirement (choose one)		3		_____
Total		13		