

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This program provides students with classroom and laboratory experiences in electricity, mechanical power, pneumatics, hydraulics and ferrous and non-ferrous material. The Industrial Emphasis focuses on those skills used in industrial settings. Academic skills emphasizing related math, science and human relations 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:

- Ensure the level of knowledge and ability to select, test, set up, and maintain various electro-mechanical systems and machinery and perform basic system calculations.
- Construct, operate, and maintain various electrical motor controllers, mechanical power transmission systems, and high pressure fluid power systems.
- Demonstrate the ability to apply various troubleshooting techniques for the identification and correction of faults in electrical, mechanical, and fluid power systems.
- Demonstrate knowledge and skills in basic mathematical calculations, communication, and teamwork concepts.

GENERAL EDUCATION REQUIREMENTS (27 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 115	3	_____
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, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 111B, 116, 124, 126, 127 or higher	3	_____
SCIENCE: EGG 131 and MT 102B or ET 131B	8	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	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 (35 Credits):

	CR	SEMESTER
ADT 100B Introduction to Drafting Theory	3	_____
AUTO 105B Automotive Maintenance I	4	_____
CADD 100 Introduction to Computer Aided Drafting	3	_____
CONS 120B Printreading and Specifications	3	_____
IS 100B Core Computing Competency or IS 101 Introduction to Information Systems	0-3	_____
MT 104B Industrial Electricity	4	_____
MT 106B Mechanical Power Transmission	4	_____
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4	_____
MT 110B Material Science I (Ferrous and Non-Ferrous)	4	_____
MT 115B Programmable Logic Controllers I	3	_____
MT 116B Programmable Logic Controllers II	3	_____

ASSOCIATE OF APPLIED SCIENCE

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

ETINDU-AAS

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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
Associate of Applied Science Degree
Engineering Technology – Industrial Emphasis
Total Credits – 62 credits

First Semester	Requirement	Credit Hours	Term
Introduction to Drafting Theory	ADT 100B	3	
Communications Science	BUS 108, COM 101, 115	3	
Mathematics	MT 102B or ET 131B	4	
Print Reading and Specifications	MATH 111B, 116, 124, 126, 127 or higher	3	
	CONS 120B	3	
	TOTAL	16	
Second Semester	Requirement	Credit Hours	Term
Introduction to Computer Aided Drafting	CADD 100	3	
English	ENG 100, 101, 107, 113	3	
Industrial Electricity	MT 104B	4	
Fluid Power (Pneumatics, Hydraulics, Instrumentation)	MT 108B	4	
Prove Core Computer Competency	With either IS 100B (0 credit test) or IS 101 (3 credits)	0	
	TOTAL	14	
Summer Session	Requirement	Credit Hours	Term
U.S. & NV Constitutions	PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4	
Human Relations	Course list per Degree Sheet	3	
	TOTAL	4	
Third Semester	Requirement	Credit Hours	Term
Automotive Maintenance	AUTO 105B	4	
Mechanical Power Transmission	MT 106B	4	
Programmable Logic Controllers I	MT 115B	3	
Science	EGG 131	4	
	TOTAL	15	
Forth Semester	Requirement	Credit Hours	Term
Fine Arts/Humanities /Social Science	Courses per degree sheet <i>Recommended MUS 231</i>	3	
Material Science I (Ferrous and Non-Ferrous)	MT 110B	4	
Programmable Logic Controllers II	MT 116B	3	
Human Relations	Course list per Degree Sheet	3	
	TOTAL	13	
	Degree TOTAL	62	

*Fine Arts/Humanities/Social Sciences: MUS 231 *Recording Techniques I* recommended for all ET students.

More detailed information can be found on the ET Web page at <http://www.csn.edu/et>