

**ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)**

This degree prepares students for employment in Power production. This program integrates two hands-on Co-Op/Internships in Operation, Electricity, and Hydro/Electricity that provides students with a wide-range of experiences. This program is presented in cooperation with the U.S. Bureau of Reclamation. Academic skills emphasizing related math, science and human relations are stressed to prepare students to meet challenges common in the workplace.

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

- Identify the occupational positions available in the Power Utility and other power generating plants.
- Participate in an on-job training experience in a power generating plant or dam.
- Identify acceptable work performance standards.
- Develop positive attitudes towards work and service to others.
- Be prepared to accept management and/or supervisory positions in the Power Utility and other generating plants.

**GENERAL EDUCATION REQUIREMENTS (25 Credits):**

	CR	SEMESTER
<b>COMMUNICATIONS:</b> BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
<b>ENGLISH:</b> ENG 100, 101, 107, 113	3-5	_____
<b>HUMAN RELATIONS:</b> 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	_____
<b>MATHEMATICS:</b> MATH 116 or above (except MATH 122, 123)	3	_____
<b>SCIENCE:</b> AST, BIOL, CHEM, EGG 132, ENV, GEOG 103, 104, 117, GEOL, PHYS, HHP 123B, 124B	6	_____
<b>FINE ARTS/HUMANITIES/ SOCIAL SCIENCES:</b> 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	_____
<b>U.S. AND NEVADA CONSTITUTIONS:</b> PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

**SPECIAL PROGRAM REQUIREMENTS (42 Credits):**

	CR	SEMESTER
<b>EGG 131</b> Technical Physics I	4	_____
<b>MT 102B</b> Fundamentals of Electricity	4	_____
<b>MT 104B</b> Industrial Electricity	4	_____
<b>MT 106B</b> Mechanical Power Transmission	4	_____
<b>MT 108B</b> Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4	_____
<b>MT 110B</b> Material Science I (Ferrous and Non-Ferrous)	4	_____
<b>MT 115</b> Programmable Logic Controllers I	3	_____
<b>MT 180B</b> Co-Op/Internship First Semester	3	_____
<b>MT 181B</b> Co-Op/Internship Second Semester	3	_____
<b>Plus 9 credits from the following:</b>	9	_____
<b>FOR MECHANICAL MAINTENANCE:</b>  CADD 105, ESH 240B, WELD 130B, 132B, WELD 133B, 134B		
<b>FOR ELECTRICAL MAINTENANCE:</b>  AC 102B, 103B, CADD 105, CON 130B, ESH 207, 240B, ET 100, MT 116B		
<b>FOR PLANT OPERATION:</b>  CADD 105B, EMA 101, 102, ESH 207, ET 100B, 106B		

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.