



Academic Map: Engineering Technology: Utilities – Electrical Power (AAS)

Associate of Applied Science (A.A.S) | 60 Total Credits | CSN Degree Code: ETUEP-AAS | Catalog Year: 2022-2023 |

Computing and Engineering Technologies Advanced and Applied Technologies Department of Applied Technologies

Jobs and Employment Information: <https://www.csn.edu/cetarea>

DESCRIPTION: This degree prepares students for employment in the electrical power production and transmission industry. The core of the degree provides a sound basis of mechanical technology, electrical theory, and automation control.

TERM 1 – TOTAL CREDIT HOURS: 16-18

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
ENG 100 or 101 or 107 or 110 or 113	3-5	ACT/SAT/ Placement Score	GE ENG	C	
ET 111B or MATH 116 or above	3	<i>Depends on course chosen</i>	GE Math	C	
Human Rel Elective – see advisor/counselor	3	<i>None</i>	GE HUM Rel	C	
ET 131B DC for Electronics	4	<i>None</i>	GE Nat Science	C	
SP Network Lit Elect – see advisor/counselor	3	<i>None</i>	Spec Prog Net Lit	C	Mandatory Advising Required

TERM 2 – TOTAL CREDIT HOURS: 12-15

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
MT 104B Industrial Electricity	4	MT 102B or ET 131B or AC 102B	Special Prog Req	C	
MT 106B Mechanical Power Transmission	4	<i>None</i>	Special Prog Req	C	
MT 110B Mat Sci (Ferrous and Non-Ferrous)	4	<i>None</i>	Special Prog Req	C	
IS 100B or IS101 ¹	0-3	<i>None</i>	Digital Literacy	C	Mandatory Advising Required

TERM 3 – TOTAL CREDIT HOURS: 17

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
COM 115 Applied Communications	3	<i>None</i>	GE Com	C	
FA/HUM/SS Elective – see advisor/counselor	3	<i>Depends on course chosen</i>	GE FA/Hum/SS	C	
Spec Prog Elective – see advisor/counselor	8	<i>Depends on course chosen</i>	Spec Prog Elec	C	
MT 115B Programmable Logic Controllers I	3	C or up in AC 102B or ET 131B or MT 102B and IS 100B or IS 101	Special Prog Req	C	Mandatory Advising Required

TERM 4 – TOTAL CREDIT HOURS: 15

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
EGG 131 and 131L	4	ET 111B or MATH 116 or up (ex MATH 122/123)	GE Nat Science	C	
PSC 101 Intro to American Politics	4	<i>None</i>	GE US/NV Cons	C	
MT 108B Fluid Power	4	<i>None</i>	Special Prog Req	C	
MT 116B Programable Logic Controllers II	3	C or up in MT 115B	Special Prog Req	C	Mandatory Advising Required

¹Students who complete IS 101 will complete a total of 63 credits for this degree.

