

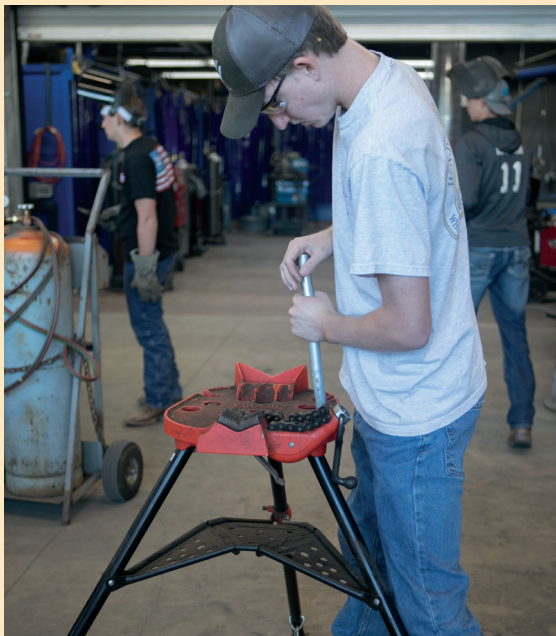
## ELECTRICAL & INSTRUMENTATION - AAS (EAC)

The Electrical and Instrumentation Technology AAS degree provides the student an opportunity to develop and upgrade skills needed to be productive and successful in industrial electronics and instrumentation occupations. Additionally, this program develops career skills such as literacy, numeracy, and communication.

## APPLIED LEADERSHIP - BAS (ASU)

This BAS program prepares students for leadership positions in a wide variety of organizations and career fields. The concentration in applied leadership provides a valuable degree pathway for students with Associate of Applied Science degrees in fields such as fire science, environmental technology, machine shop technology, and welding technology. Students learn leadership skills necessary to prepare them to become effective leaders in diverse environments — applying those skills as team leaders, floor managers and shift captains.

The concentration in applied leadership focuses on the practice of innovative and effective leadership and helps students develop the skills and knowledge that leaders need to solve problems, communicate effectively, resolve conflicts, assess program effectiveness, lead projects, and manage resources.



## INTERESTED? CONTACT US!

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### PUBLIC ANNOUNCEMENT

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The Electrical & Instrumentation program is an equal opportunity employer/program and auxiliary aids and services are available upon request to individuals with disabilities.

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ELECTRICAL & INSTRUMENTATION  
AAS TO BAS TRACK

# ELECTRICAL & INSTRUMENTATION

The following is an academic guide for students to use leading to the achievement of an Eastern Arizona College Applied Associate Degree and then smoothly transition into Arizona State University's Bachelor of Applied Science, Applied Leadership degree. Both of these degrees can both be earned on Eastern Arizona College's Thatcher Campus.



## WHAT ARE THE BENEFITS?

- Students are provided a path to follow to meet their educational and career goals.
- Students may receive an Associate of Applied Science degree that will easily transfer into an Arizona State University Bachelor of Applied Science Degree.
- Students have the potential to earn an Arizona State University degree on Eastern Arizona College's campus and at a reduced tuition rate.
- Helps students avoid taking unnecessary college courses, saving time and money.

## POTENTIAL CAREERS AND SALARIES

Electrical Engineering Technician	\$62,190
Electrician	\$52,720
Electrical Engineering Technologist	\$62,330
Electrical Powerhouse/Substation Repairer	\$75,670
Electrical Drafter	\$59,970
Solar Photovoltaic Installer	\$39,240
Power Plant Operator	\$74,690
Commercial/Industrial Electronics Repairer	\$56,250
Supervisor of Production and Operating Workers	\$57,780
Operations Manager	\$99,180

Electrical & Instrumentation Technician AAS to Bachelor of Applied Science, Applied Leadership									Certificates/Degrees  Electrical and Instrumentation Technician <i>Certificate of Proficiency</i>  Electrical and Instrumentation Technology AAS  Applied Leadership BAS
Grade	Eastern Arizona College				Arizona State University				
	Electrical & Instrumentation Technician AAS				Applied Leadership BAS				
	Freshman		Sophomore		Junior		Senior		
	Semester 1	Semester 2	Semester 1	Semester 2	Fall (Odd)	Spring (Even)	Fall (Even)	Spring (Odd)	
English			ENG 101 (3)	ENG 102 (3)					
Math		MAT 140 (3)							
Other General Ed	AGEC (5)	AGEC (5)	AGEC (6)	AGEC (6)	OMT 343 (3)	OGL 320 (3)	OGL 350 (3)	BIS 340 (3)	
Major Courses	ELT 110 (3)	ELT 161 (3)	ELT 181 (3)	ELT 162 (3)	BIS 345 (3)	TEM 431 (3)	TMC 330 (3)	OGL 481 (3)	
	ELT 111 (3)	ELT 171 (3)	ELT 191 (3)	ELT 271 (3)	BIS 360 (3)	OGL 355 (3)	OMT 402 and/or BIS 340	OGL 482 (3)	
	ELT 112 (3)	TEC 112 (2)	ELT 272 (3)	DRF 154 (3)	BIS 343 (3)	BIS 340 (3)	(3 or 6)	OGL 300 (3)	
	ELT 115 (2)	DRF 108 (2)							
	CMP 103 (3)	TEC 133 (1)							
EAC Credit Hours	19	20	18	18					75
ASU Credit Hours					12	12	9-12	12	45-48
			75 EAC Transfer Credits				45-48 ASU Credits		120 Total Credits

- NOTES:
- \*The EAC/AAS degree must be completed prior to admission into the ASU/BAS program
  - \*Additional AGECE-A credits may be completed at EAC after admission to the ASU/BAS program
  - \*The AGECE-A must be completed prior to graduation from the ASU/BAS program



### EAC Courses

TEC 112	Basic Hydraulics and Pneumatics . . . . .	2
CMP 103	Introduction to Computer Based Systems . . . . .	3
DRF 108	Technical Drafting . . . . .	2
ELT 110	Electricity and Electronics . . . . .	3
ELT 111	DC Systems . . . . .	3
ELT 112	AC Systems. . . . .	3
ELT 115	Conduits and Raceways . . . . .	2
ELT 161	Process Measurement Instrumentation I . . . . .	3
ELT 162	Process Measurement Instrumentation II. . . . .	3
ELT 171	Process Control Instrumentation . . . . .	3
ELT 181	Electronic Components . . . . .	3
ELT 191	Substation Maintenance . . . . .	3
ELT 271	Process Control and PLC's. . . . .	3
ELT 272	Motors and Motor Controls . . . . .	3
ENG 101	Written Communications I . . . . .	3
ENG 102	Written Communications II . . . . .	3
MAT 140	College Math (or higher) . . . . .	3
TEC 133	Safety Practices For Industry. . . . .	1
DRF 154	Introduction to AutoCAD . . . . .	3
AGEC	Additional Credits to complete the AGECE-A . . . . .	23

**Total EAC Credits . . . . . 75**

### ASU Courses

BIS 343	Social Processes In Organizations
BIS 360	Interdisciplinary leadership
BIS 345	Organizational Ethics
OMT 343**	Occupational Safety & Ergonomics
OGL 320	Foundations Of Project Management
OGL 355	Leading Organizational Innovation & Change
TEM 431**	Innovation Management
BIS 340*	Org. Skills Leading Service Excellence
OGL 350	Diversity & Organizations
TMC 330**	Leading The Enterprise
OMT 402**	Legal Issues For Technologists
(BIS 340*)	Language of Organizations (Optional)
OGL 481	Pro-Seminar I
OGL 482	Pro-Seminar II
BIS 340*	Org. Skills – Writing for the Professions
OGL 300	Theory and Practice of Leadership

- \* BIS 340 is listed multiple times with different special topics each time
- \*\* Indicates an online class

**Total ASU Credits . . . . . 45-48**



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