

ABOUT US

EASTERN ARIZONA COLLEGE

EAC is Arizona's oldest community college with approximately 1,500 full-time students on the main campus in Thatcher.

Eastern is located in Graham County with a population of 35,000. The main campus is in the Gila Valley at the base of the beautiful Mt. Graham, a 10,720 foot peak. Principal economic activities in the area include farming, ranching, mining, governmental services, and higher education.

Recreational opportunities and facilities include swimming, skating, hunting, hiking, fishing, camping, biking, natural hot springs, golfing, equestrian sports, Discovery Park Campus, and the Mt. Graham International Observatory. Both the College and the community offer a wide variety of activities and cultural events.

Eastern Arizona College's Electrical and Instrumentation Program is associated with Arizona Regional Advanced Manufacturing Professional Upgrade Project (AZ RAMP UP) and qualifies as an eligible program for Trade Adjustment Assistance (TAA) education and training, which means TAA eligible workers may receive education and training benefits when participating in Eastern Arizona College's Advanced Manufacturing degree and certificate programs.

CONTACT US

TOLL FREE: (800) 678-3808 FAX: (928) 428-2378

ELECTRICAL AND INSTRUMENTATION INSTRUCTOR

CHARLES SMITH

(928) 428-8209

charles.smith@eac.edu

PROJECT SITE COORDINATOR – AZ RAMP UP

JASON PHILLIPS

(928) 428-8283

jason.phillips@eac.edu

ITE DIVISION CHAIR

DOUG GRIFFIN

(928) 428-8437

doug.griffin@eac.edu



AZRAMPUP
Educating Tomorrow's Advanced Manufacturing Workforce.

PUBLIC ANNOUNCEMENT

This project received \$10,000,000 (100% of its total cost) from a grant awarded under the Trade Adjustment Assistance Community College and Career Training (TAACCCT) Grants, as implemented by the U.S. Department of Labor's Employment and Training Administration.

EQUAL OPPORTUNITY

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

DISTRICT GOVERNING BOARD MEMBERS

Lois Ann Moody, President

Tina C. McMaster, Secretary

Richard W. Mattice, Member

Lance F. Layton, Member

Brad Montierth, Member

COLLEGE PRESIDENT

Mark Bryce



615 N STADIUM AVENUE | THATCHER, ARIZONA 85552
928.428.8472 | 800.678.3808 | WWW.EAC.EDU



EASTERN
ARIZONA
COLLEGE
GOOD ANSWER

ELECTRICAL AND INSTRUMENTATION
INDUSTRIAL TECHNICAL EDUCATION



WELCOME

The EAC Electrical and Instrumentation Technology program provides students with hands on opportunities to develop entry-level skills in the technical field of electronics and instrumentation. EAC offers a variety of courses in electrical systems and measurement instrumentation which will prepare students with the knowledge and experience necessary for an ever-demanding industrial work environment. These courses are primarily oriented for industrial skill level applications but also include residential and commercial applications providing students with a competitive edge in today's workforce.

SALARIES & CAREERS

Careers in the field of electrical and instrumentation are very challenging, requiring technicians to utilize their knowledge and skills to troubleshoot, repair and install electrical and electronic equipment. Careers requiring the skills of electrical instrumentation technicians include jobs in the field of mining, power generation and utilities, chemical plants, petrochemical refineries, water and wastewater facilities, and scientific research facilities. Employment opportunities for qualified electrical and instrumentation technicians have a strong outlook even during periods of economic downturns. Many prospective employers have difficulty finding qualified applicants to fill new and vacancy positions within their ranks. This phenomenon is mostly credited to an aging workforce where 40% of those working in skilled trades and crafts will be retiring in the next 10 years resulting in a vacuum of job positions needing to be filled.

Salaries in the electrical and instrumentation field are very competitive due to the high levels of knowledge, skills, and experience required. The following represent possible positions and salary ranges available in the electrical and instrumentation field:

- | | |
|--------------------------------------|---------------------|
| • Instrument & Electrical Technician | \$39,890 - \$83,440 |
| • Instrument Technician | \$26,490 - \$89,550 |
| • Maintenance Technician | \$33,560 - \$71,190 |
| • HVAC Technician | \$25,670 - \$65,050 |

CURRICULA

- Electrical and Instrumentation Technician (Certificate)
- Electrical and Instrumentation Technology (AAS)



STUDENT EXPERIENCE

"This last year I started a job as a technician, going out to mines to work on several different instruments. This employer hired me due to the fact that I have this degree. I have been able to transfer the things I learned in this program over to my work and apply it successfully.

The things I have learned at EAC are due to Mr. Smith and the program. Other electricians I work with have seen what I know and they are now interested in taking these classes to further extend what they know about this field.

This is a perfect example of what this program can teach an individual and I would recommend it to anyone who might be thinking about going into this field."

COLTON MORRIS
EAC E & I Graduate



- This tool was created in order to fulfill the requirements of the TAACCCT 4 grant. AZ Ramp Up products by Eastern Arizona College are licensed under a Creative Commons Attribution 4.0 International License. This workforce product was funded by a grant awarded by the U.S. Department of Labor’s Employment and Training Administration. The product was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The U.S. Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership.

