



About the Alliance

The IICTA is an organization of the Instrumentation & Controls Technology education providers and their business, industry, and community advisors cooperatively working toward their common goals.

Vision

Setting education standards for industrial instrumentation and controls technicians.

Our Mission

The IICTA will promote activities to assure the existence of a sufficient quantity of highly qualified instrument & controls technicians who are highly sought after by industry.

Activities

- Setting educational standards
- Education and career awareness
- Promoting networking among members
- Work with school Tech Prep programs
- Grant/funding applications
- Regional and national program growth

Industrial Instrumentation

Instrument technicians troubleshoot, maintain, repair, replace and install process control equipment to produce quality products and ensure environmental protection, safety and cost-effective operations.

Technicians work with pneumatic, mechanical,

electronic and computer based process control equipment.

Career Opportunities

Instrument technicians have many career paths in various process related industries:

- Chemical
- Petrochemical
- Refining
- Exploration & Production
- Pulp & Paper
- Power Generation
- Utilities
- Food & Beverage
- Water/Wastewater

Technicians also have job opportunities with instrument manufacturers and many contract services companies in areas such as sales, vendor technician, training, and research and development.

AAS Degree Programs

An AAS degree sets the candidate apart from the competition when seeking employment. The graduate comes to the workforce with entry-level skills and knowledge, which reduces company-training time.

The standardized Industrial Instrumentation curriculum that is under development will consist of a core set of instrument courses with several specialty areas such as:

- Electrical
- PLC/DCS
- Analyzers
- Fieldbus
- Process Control Networks

A Few Partners

- BASF
- BP
- Dow
- Eastman Chemical
- ExxonMobil
- Marathon
- Samson Controls
- Shell
- Total
- TXU
- Alaska Process Industry Careers Consortium
- Alvin Community College
- Amarillo College
- Baton Rouge Community College
- Bellingham
- Brazosport College
- College of the Mainland
- Houston Community College
- Lamar – Port Arthur
- LIT - Beaumont
- Lee College
- LCTC – Sowela
- LTC – Ascension
- LTC – Northwest
- LTC – River Parishes
- San Jacinto College
- San Juan College
- TSTC - Marshall
- TSTC - Waco
- Victoria College
- ABS Consulting
- Baker Energy
- Coastal Training
- Design Assistance Corp
- Fieldbus Center
- Grand Isle Group

Contact Us

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Setting **Education Standards** for Industrial Instrumentation and Controls Technicians

How does IICTA membership benefit an industry partner?

- Industry partners strongly influence instrumentation program planning and development.
- Industry partners develop standards to assure quality graduates.
- Industry partners can access a labor pool with relevant and up-to-date skills and knowledge.
- Industry training costs can be reduced for future instrumentation technicians.
- Industry partners get access to higher quality entry-level personnel
- Industry has the opportunity to help build the pipeline of qualified candidates to assure an adequate supply of future technicians.

How does IICTA membership benefit an education partner?

- Education partners have access to a curriculum that has been developed, standardized and endorsed by an industry-driven alliance.
- Education partners can minimize their curriculum development efforts and costs.
- Education partners who implement an endorsed curriculum add credibility to their instrumentation degree program.
- Students from educational partners are eligible for scholarships.
- Faculty can participate in externships to further their technological knowledge to enhance their student's learning experience.

How do I get more information about the IICTA?

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Visit us online at www.iicta.org