



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

A sufficient supply of skilled Instrument/Controls Technicians exists meeting the national needs of industry.

Our Mission

Promote the partnership of industry, education, business by:

- Directing nationally recognized standards for Instrument/Controls Technicians
- Supporting activities to assure the existence of a sufficient quantity of qualified Instrument/Controls Technicians who are highly sought after by industry

Activities

- Setting educational standards
- Creating awareness regarding education and careers
- Promoting networking among members
- Working with school Tech Prep programs
- Grant/funding applications
- Program growth nationally

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.

Degree Programs

A 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 IICTA recommended standardized Industrial Instrumentation curriculum consists of a core set of instrument courses with several specialty areas such as:

- Electrical
- PLC/DCS and Analyzers

- Fieldbus systems
- Process Control Networks

A Few Partners

- BASF
- BP Exploration
- Dow Chemicals
- Eastman Chemical
- Samson Controls
- Shell
- Total Petrochemicals
- Alaska Process Industry Careers Consortium
- Bellingham Technical College
- Bismarck State College
- Brazosport College
- Colorado Mountain College
- Houston Community College
- Sowela Community/Technical College
- ITI Technical College
- Los Medanos College
- Mississippi Gulf Coast Community College
- Red Rocks Community College
- TSTC - Marshall
- TSTC - Waco
- Coastal Training Technologies
- Design Assistance Corp
- Martec Media
- Simtronics
- Systran, Inc.

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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 and institutes 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