

Developing the Future LNG Workforce

LNG Center of Excellence: An industry-driven partnership between GTI Energy and McNeese State University



The LNG Center of Excellence, located on the McNeese State University campus in Lake Charles, Louisiana, is a collaborative training initiative designed to prepare a skilled, safety-focused LNG workforce.

Through an industry-driven partnership, GTI Energy and McNeese State University are developing modern, relevant LNG training aligned with real-world operations and evolving workforce needs. GTI Energy maintains a dedicated on-site presence, providing hands-on industry leadership and ensuring continuous alignment with LNG industry practices.

Why It Matters

- Builds a job-ready LNG workforce
- Reinforces safety, regulatory compliance, and operational excellence
- Supports long-term industry talent and workforce sustainability
- Strengthens academic-to-industry training pathways

Program Vision

POST-BACCALAUREATE CERTIFICATE IN LIQUEFIED NATURAL GAS (PLANNED)

Program launch targeted for Q3 2026

- Fifteen (15) credit-hour certificate program
- State-approved course titles
- Asynchronous, online delivery model
- Designed for working professionals, new entrants, and emerging LNG leaders
- Built with direct industry involvement to ensure relevance, safety, and applicability
- Applied, scenario-based learning
- Industry-informed instruction led by GTI Energy experts

Proposed Course Structure

The following LNG course titles have been approved by the State of Louisiana and are planned for development:

1. Fundamentals of Liquefied Natural Gas Processing
2. Pipeline Design, Storage, and Transportation of Liquefied Natural Gas
3. Liquefied Natural Gas Regulations and Hazard Management
4. Liquefied Natural Gas Supply Chain Management
5. Liquefied Natural Gas Environmental and Regulatory Aspects

How the Program Will Be Developed

With industry sponsorship and support, the LNG Center of Excellence will develop training content using modern instructional design approaches aligned with how today's workforce learns and performs.

Planned development elements include:

- Short, focused eLearning lessons
- Micro-video instruction
- Scenario-based learning grounded in real-world LNG operations
- Interactive and immersive learning technologies
- Applied learning activities supported by industry case studies

Why Sponsor the LNG Center of Excellence

Industry sponsors play a direct role in shaping workforce readiness while strengthening their position as LNG industry leaders.

Sponsor value includes:

- Influence on curriculum design and training priorities
- Early access to trained, job-ready LNG talent
- Alignment with workforce development, safety, and environmental leadership
- Brand visibility with future LNG professionals
- Opportunities for guest lectures, webinars, advisory roles, and industry engagement
- Recognition as founding program sponsors



Help Shape the Future of LNG Workforce Training

GTI Energy and McNeese State University invite LNG industry organizations to partner as sponsors in the development of the LNG Center of Excellence. Your support will help turn this initiative into a nationally recognized training program serving the LNG industry for years to come.

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