TECHNICAL
EDUCATION
ACADEMY

School of Engineering

COURSE PROGRAMME

000128

MECH003 - Mechanical Design and Specification of Piping Systems

This course for engineers and piping system designers reviews the key areas associated with the design of piping systems for oil and gas facilities.



Learn from the Best in the Business!

Course overview

Intermediate level

Why take this course

This course for engineers and piping system designers reviews the key areas associated with the design of piping systems for oil and gas facilities. The course is focused on four areas: codes and standards, pipe materials and manufacture, piping components, and piping layout and design. Applicable piping codes for oil and gas facilities, pipe sizing calculations, pipe installation, and materials selection are an integral part of the course.

Who it is for and how it helps

This course is ideal for mechanical, facilities, plant, or pipeline engineers and piping system designers who are involved in the design of in-plant piping systems for oil and gas facilities.

What you will learn

- Apply piping system codes and standards
- Use line sizing and layout of piping systems in various types of facilities
- Specify proper components for process and utility applications
- Compare alternative materials of construction
- Appreciate the process of steelmaking, pipe manufacturing, and material specifications
- Use methods and inspection techniques
- Appreciate key considerations for flare and vent systems, including PSV sizing

Participation and contacts

Joining the programme

Contact the Academy and quote course code 000128 to confirm dates, delivery format, prices and enrolment terms.

Training for your team

Tell us your business goals, the roles and number of participants, and your preferred dates and location. This will help us discuss the right training option.

Preparing for the programme

The published programme does not specify any prerequisites. Contact us before enrolling to confirm how to prepare.

Discuss your training needs

mail@tecedu.org
www.tecedu.academy

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