CONTACT

Director, Directorate of Continuing Education (DCE)
BUET, Dhaka-1000; Tel: 02 58610738
PABX: 02 55167228-57 ext. 7848, 7452 **&**
Course Coordinators
Engr. Md. Kamruzzaman Rasel & Engr. Nurul Huda Scientific Officer, DCE, BUET; Mobile: 01918285231 & 01836257866 (Saturday-Wednesday 10 AM-4 PM)
Email: info@dce.buet.ac.bd
***BUET weekly holidays are Thursday & Friday**.

About DCE

DCE established in **1995 at BUET**, a platform for decentralized and adaptive learning to bridge the gap between Professionals and Academicians, promotes pedagogical development with a combined experience of Academicians and Professionals and offers distance training opportunities. So far, **262** short courses/training workshops have been offered to serve more than **11,500** professionals.

Short Course Outcomes

Upon successful completion of the program, participants will be able to:

- Apply boiler laws, regulations, codes, and standards.
- Design boilers and associated systems using engineering principles.
- Select suitable materials, equipment, burners, and control systems.
- Prepare and review boiler drawings using CAD tools.
- Supervise boiler manufacturing, welding, fabrication, and inspection activities.
- Perform quality assurance through NDT, heat treatment, and testing.
- Plan and manage boiler installation, commissioning, and maintenance.
- Conduct risk assessment and troubleshoot boiler operational issues.
- Ensure safe, reliable, and code-compliant boiler operation.

RESOURCE PERSON

Experts from both **Academic and Professional** domains will conduct the proposed short course.
For details, please visit: dce.buet.ac.bd

LANGUAGE

English and Bangla

CERTIFICATE

A certificate of attendance will be provided.

Short Course On

Boiler Design, Manufacturing & Usage

~~August 2026- October 2026~~

(To be announced soon)

10 Weeks* (Saturday - Sunday)

BUET, Dhaka

Organized by

Directorate of Continuing Education (DCE)
Bangladesh University of Engineering and Technology
Dhaka-1000

Register Here!

* Two days per week. Each day, 06 hours of class.

Boilers play a vital role in Bangladesh's power generation and industrial sectors, creating a growing demand for skilled professionals with expertise in boiler design, manufacturing, inspection, installation, operation, and maintenance. This program provides comprehensive knowledge of the Boiler Act 2022, Boiler Rules 2025, Bangladesh Boiler Regulation 1951, and relevant international codes and standards. Covering the complete boiler lifecycle, the course includes design calculations, material selection, accessories, control systems, fabrication, welding, NDT, testing, commissioning, maintenance, risk assessment, and industrial site visits. Upon completion, participants will be able to apply boiler codes and regulations, perform design and engineering calculations, supervise manufacturing and inspection activities, ensure safety and quality compliance, manage installation and maintenance processes, troubleshoot operational issues, and contribute to improving industrial productivity, safety, and reliability in Bangladesh.

Join the program presented by DCE, BUET. Gain comprehensive knowledge aligned with local regulations and international standards. Learn from industry experts, engage in practical sessions, and enhance your skills. Don't miss this invaluable learning opportunity. Register now!

WHO SHOULD ATTEND?

This workshop is designed for relevant B.Sc. engineers who have an interest in boilers and need to understand the design and operation of boilers to improve efficiency and safety at their plants. The following participants will get the most benefit from attending this short course:

- Plant and facility maintenance personnel/ managers/ supervisors
- Boiler/ Mechanical/ Maintenance Engineers
- Purchasing managers/ Contractors / Manufacturers
- B.Sc. engineering graduates looking for improving boiler related knowledge

PROGRAM OVERVIEW

Contents of the workshop are:

- Boiler Act, 2022, Boiler Rules, 2025, Different Types of Codes, Bangladesh Boiler Regulation, 1951 (Boiler Code)
- Types of Boilers, Boiler Selection Criteria, Material Selection, Design & Code Calculations of Boiler
- Design and Calculation of Boiler Accessories
- Selection of Burner & Control System, Design of Electric Diagram, Design and Plan of Steam Pipe
- Design of Fuel Supply System, Design of Draft & Chimney
- Design of Insulation, Boiler Sketching in CAD
- Boiler Design Review, Boiler Manufacturing, Measurement & Marking, Pre-Welding & Fabrication
- Non-Destructive Test for Welding
- Heat Treatment, Hydraulic Test, Boiler Room Preparation & Installation, Water Treatment, Boiler Commissioning, Boiler Maintenance, Boiler Preservation
- Boiler Risk Assessment & Troubleshooting, Visit Manufacturing Process (Site Visit), Visit Installation & Fabrication Process (Site Visit) &
- Final Assessment of Boiler Design, Manufacturing & Usage

VENUE

Directorate of Continuing Education (DCE), 3rd Floor, Institute Building, BUET, Polashi, Dhaka-1000. (**Near Dr. M A Rashid Student Hall, BUET and BUET Gymnasium**)

REGISTRATION FEE

BDT **50,000/-** per Person (Tk. Fifty Thousand Only)
The fee will cover Printed lecture instructions, workshop kits, Printed comprehensive materials, refreshments, certificate etc.

PAYMENT

Registration Fee is to be paid in advance payable through
1. Pay Order/Demand Draft (DD) in favor of Director, BRTC BUET, Dhaka OR
2. Electronically deposited at -
Savings Account No. - 4404034173888
Routing Number - 200270522
Account Name: - Director, Directorate of Continuing Education (DCE)
Sonali Bank Ltd., BUET Branch, Dhaka

Seats are limited and the selection procedure will be First Come First Serve basis.

REGISTRATION FORM

Short Course On
Boiler Design, Manufacturing & Usage
DCE, BUET

Please complete the registration form in BLOCK LETTERS and return it to the address overleaf.

Registration Batch No: .....

Name: .....

Affiliation: .....

Company Name: .....

Address: .....

.....

Cell Phone: .....

Email: .....

Payment:

- ☐ Pay Order/ Demand Draft (DD)
- ☐ Online Banking

Please attach the original copy of the payment.

Details of Pay Oder/Demand Draft:

Signature: .....

Date: .....