

## General Courses

- BTT001 Technical Communications
- BTT002 Train-the-Trainer

## Fixed Equipment

### ❖ Pressure Vessel/Heat Exchanger/Piping Courses

- BTT003 Mechanical Engineering Training
- BTT004 Overview of Vessels and Piping Codes
- BTT005 ASME Section VIII, Division 1 Pressure Vessel Design
- BTT006 ASME Section VIII, Division 2 – Part 5, Design-By-Analysis
- BTT007 Metal Loss FFS Training Course
- BTT008 API-579 ASME FFS-1 Fitness for Service with BechtFFS Software
- BTT009 Heat Exchanger Design and Maintenance
- BTT010 ASME B31.3 Piping and Piping Component Design
- BTT011 ASME B31.3 Process Piping – Design, Construction, and Mechanical Integrity
- BTT012 Piping Vibration Analysis & Practical Engineering Solutions in Process Plants
- BTT013 Buried Metallic Pipe Analysis and Integrity Evaluation
- BTT014 ASME B31.4 Liquid Pipelines and ASME B31.8 Gas Pipelines
- BTT015 Seismic Design and Retrofit of Mechanical Equipment and Piping
- BTT016 Implementation of ASME PCC-2 Repair of Pressure Equipment & Piping Through Case Studies

### ❖ Materials, Fabrication, and Inspection

- BTT017 API 571 Damage Mechanisms in the Refining Industry
- BTT018 Refinery and Petrochemical Industry Materials Selection and Corrosion Control

### ❖ Tankage

- BTT019 Storage Tank Design and Maintenance (API 650, and API 653)
- BTT020 Introduction to Maintenance of Aboveground Atmospheric Storage Tanks
- BTT021 Design and Maintenance of Aboveground Atmospheric Storage Tanks

## Project, Turnaround and Maintenance

- BTT022 Introduction to Cranes and Rigging
- BTT023 Crane Competent Person Training
- BTT024 Turnaround Risk Based Work Selection (Scope Challenge)
- BTT025 Turnaround Training for Process Engineers

## Process Engineering

- BTT026 Refining Fundamentals
- BTT027 Refining Processes Fundamentals
- BTT028 Fundamentals of Process Engineering
- BTT029 Process Design Fundamentals
- BTT030 Petroleum Refining Economics
- BTT031 Distillation & Troubleshooting

# Becht Training Course Catalog

[Becht.com/Training](http://Becht.com/Training)

BTT032	Turnaround Process Engineer Mentoring
BTT025	Turnaround Training for Process Engineers
BTT040	Basics of Petroleum Refining for Non-Technical Personnel
BTT041	Catalytic Reforming Process Technology
BTT042	Crude Oil Desalting
BTT043	Crude Oil Distillation
BTT044	Delayed Coking Process Technology
BTT045	FCCU Troubleshooting & Optimization
BTT046	Fluid Catalytic Cracking Process Technology
BTT050	Hydrotreating & Hydrocracking Process Technology
BTT051	Introduction to Petroleum Refining Processing
BTT052	Refinery Distillation : Operation & Troubleshooting
BTT053	Refinery Economics & Margin Improvement
BTT054	Refinery Troubleshooting
BTT055	Steam Cracking & Olefin Technology
BTT056	Utility Cost Savings In Refineries & Chemical Plants
BTT057	Water Treatment For Refineries and Chemical Plants

## Instrumentation and Process Control Systems

BTT033	Introduction to Process Control
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## Nuclear

BTT034	ASME Section III Div.1 Rules for Construction of Nuclear Facility Components Overview
BTT035	Nuclear Piping System ASME B31.1 and ASME III Class 1-2-3 Design-Qualification-Analysis and Piping Operability Assessment under NRC Rules and Section XI and Repair per ASME PCC-2 and ASME XI
BTT036	The ASME B&PV Code for Nuclear Components Design and Operability Pressure Equipment and Piping
BTT037	ASME III, ASME VIII, National Board Inspection Code NB-23 and ASME B31.1
BTT038	Short Course on Seismic Ground Motion Development, Seismic Evaluation of Structures, Systems, and Components, and Nuclear Equipment Qualification
BTT039	ASME III and ASME XI Design, Integrity Assessment, and Repair