

# DISASTER RECOVERY CERTIFICATE

BY CONSTRUCTION CONTRACTORS

 **PURDUE**  
UNIVERSITY

Polytechnic Institute

## PROGRAM OVERVIEW

Purdue's Disaster Recovery Certificate serves as an opportunity to learn about preparations and procedures for disasters of any kind. The course walks you through the challenges and rewards of the ever-changing world of disaster recovery. What makes disaster recovery management so different and challenging is the unannounced nature of the work. Every job holds new challenges and rewards. Time is critical, and the work demands immediate, accurate, thorough response at all hours and any day of the week.

The Disaster Recovery certificate includes four modules covering a plethora of knowledge on how to restore different kinds of damage, including water damage, smoke and fire damage, microbial damage and personal property damage.

Through this course students will learn to:

- » Explain the differences between conventional construction and disaster recovery work in order to justify differences from conventional operations
- » Enhance conventional project planning and execution skills for the special challenges of disaster recovery projects
- » Judge how appropriate it is to apply various restoration equipment, expertise, supplies and technology on a project

## MEET THE PROFESSOR

Recently named Purdue's Disaster Restoration and Reconstruction Management faculty member, Randy is an Associate Professor in the School of Construction Management Technology. Over the years, he has succeeded in an assortment of progressively more sensitive and complex construction and engineering supervisory positions in both operational and supporting functions, from direct leadership of construction site operations to the executive office; from small project teams to large, diverse organizations. Six years of international work included Project Controls Manager and Deputy Program General Manager of the Restore Iraqi Oil Program. He also served in management and technical disaster recovery contractor positions for major projects following Hurricanes Katrina and Wilma. He is the author of the book "Disaster Recovery Project Management."



## COURSE AT A GLANCE

- » Modality: Self-paced
- » Access: 6 weeks
- » Commitment: 20-30 hours
- » Fee: \$295 (Textbook included)

## THE NATURE OF DISASTER RECOVERY WORK

Develop a working knowledge of the special nature of disaster recovery work and how it might differ from conventional construction. Conceptualize the differences between conventional construction and disaster recovery work in order to justify differences from conventional operations.

### Topics:

- » Types of Disasters
- » The Project Environment
- » Phases of Building Recovery Work

## PREPARING FOR THE WORK

Develop a working knowledge of management techniques and concerns necessary to prepare for disaster recovery work. Enhance your conventional project planning and execution skills for the special challenges of disaster recovery projects.

### Topics:

- » Bids, Proposals and Delivery Mechanisms
- » Planning, Organizing and Mobilizing
- » Contracts

## DOING THE WORK

Develop a working knowledge of management techniques and concerns necessary to prepare for disaster recovery work. Enhance your conventional project planning and execution skills for the special challenges of disaster recovery projects.

### Topics:

- » Time, Cost, and Quality Control
- » Logistics, Material Management and Procurement
- » Communication and Documentation
- » Health, Safety, Environment and Security
- » Demobilization and Closeout

## RESTORATION TECHNOLOGIES

Become familiar with technical processes, equipment, supplies, and materials necessary to execute disaster recovery work. Learn to judge the appropriateness of applying various restoration equipment and supplies on a project.

### Topics:

- » Restorative Drying
- » Fire and Smoke Restoration
- » Microbial Remediation
- » Personal Property Restoration
- » Disaster Debris Management and Demolition