

CONCRETE PIPE UNIVERSITY

P3 ONLINE TRAINING

Fundamentals | *Installation/Inspection* | *Manufacturing*

STUDENT EXPERIENCE

ONLINE CLASSES

To make the P3 Training more available to ACPA members, we have made it available online! Leveraging a professional online learning platform to help host and facilitate the class, students will have a first-class distance learning experience equivalent to an in-person classroom.

CLASS EXPERIENCE

P3 classes combine live sessions and independent online work that students complete during the training time. Independent work includes short assignments, which incorporate videos, quizzes, and/or readings. The live session allows students to apply newly learned knowledge during the independent online work time.

REQUIREMENTS

All students must have access to a computer with a webcam and a reliable computer connection in order to participate. Students need to come prepared to learn, set up in a distraction free environment, and plan on being an active participant.

FIND DATES & REGISTER

ConcretePipe.org/P3

P3 TRAINING

Learn the fundamentals of concrete pipe while gaining a better understanding of the manufacturing, installation, and inspection process in this online, four day P3 course. Consisting of three different modules spread out over four weeks, P3 empowers students with the ability to raise awareness about concrete pipe and precast to positively help influence the pipe selection process.

MODULE 1: FUNDAMENTALS

The Fundamentals course starts with the history of the reinforced concrete pipe industry and the birth of the ACPA in 1907. It takes an in-depth look at the general differences between rigid and flexible pipe, delivers a review of hydraulic design for storm drainage systems, and concludes with basic pipe design methods.

MODULE 2: MANUFACTURING

The Manufacturing course reviews the manufacturing and quality control processes that give concrete pipe and box culvert producers their ability to manufacture durable products with a service life of more than 100 years. It reviews the materials needed to make the products, the methods used to repair products, along with an overview of ACPA's QCast Program.

MODULE 3: INSTALLATION & INSPECTION

The Installation & Inspection course focuses on the proper installation and inspection for pipe and box culverts and why a properly installed pipe should remain in service for 50 to 100 years. Students will gain a clear understanding of the issues they will encounter with RCP and precast box culverts prior to, during, and post-installation.



STUDENT SCHEDULE

8:00am - 8:30am

Introduction (live)

8:30am - 9:45am

Independent Work
Lectures, Quiz, Assignments

9:45am - 10:15am

Discussion (live)

10:15am - 11:30am

Independent Work
Lectures, Quiz, Assignments

11:30am - 12:00pm

Discussion (live)

12:00pm - 12:30pm

Lunch

12:30pm - 1:45pm

Independent Work
Lectures, Quiz, Assignments

1:45pm - 2:15pm

Discussion (live)

2:15pm - 3:00pm

Independent Work
Lectures, Quiz, Assignments

3:30pm - 4:00pm

Discussion (live)