

Introduction to 3D Scanning

COURSE OUTLINE

Catalog Number	8159-0000
Category	Manufacturing and Engineering
Duration	5 hours
Prerequisite Courses	Introduction to 3D Printing

Activity 1: What is 3D Scanning?

- Defining 3D Scanning
- Why Does 3D Scanning Exist?
- Applications of 3D Scanning
- 3D Scanning and 3D Printing

Activity 2: How Does 3D Scanning Work?

- Types of 3D Scanning
- 3D Scanning Technologies
- Point Clouds
- Extrapolation and Reconstruction

Activity 3: Operating Your Scanner

- Basic Scanning Considerations
- Lighting
- Positioning
- Object Properties
- Scan Settings
- 3D Scanner Software

Course Project