CLOUD TECHNOLOGIES AND THE INTERNET OF THINGS
Course Outline

POINTFUL EDUCATION

›› Course Overview

First, we had the internet of computers. Then with the advent of email and social media, along with mobile technology, it became the internet of people. Today's world is increasingly becoming the internet of things. With advances in battery power, sensors, and computer chips, more and more devices are being connected to the internet. This will allow them to be monitored, controlled, and used more effectively for people and businesses. This course will examine the trends and opportunities surrounding the Internet of Things (IoT). Students will learn about the technologies, hardware, and software that underpin the Internet of Things. The course will examine a variety of end-market applications in our homes, businesses and cities. Finally, students will learn about the many career opportunities that the Internet of Things will enable.

›› Course Outline by Module

Module 1	Introduction to the Internet of Things
Module 2	The Internet and the Cloud
Module 3	IoT at Home
Module 4	IoT and People
Module 5	The Industrial IoT
Module 6	IoT in Healthcare
Module 7	IoT and Cars
Module 8	IoT at the Store
Module 9	IoT and Farming
Module 10	IoT and Cities

›› Course Elements

- Video Instruction
- Interactives
- Reading
- Projects
- Reflections
- Concept Checks
- Quizzes and Exams
- Written Assignments

Course Preview Video

›› Instructional Components

Pointful Education Courses are structured in a consistent, research-based format utilizing multiple pedagogical concepts such as Understanding by Design, Growth Mindset, and Video and Project-based learning. Through the use of these pedagogical concepts, Pointful Education maintains a consistent and engaging course structure that supports student-centered learning.

›› Course Materials

None Required.