

First Time Ever & Just for New Jersey **STEM Teachers!**

## NJIT PROFESSIONAL DEVELOPMENT COURSES THIS SUMMER

# MODERN MANUFACTURING



From the Newark College of Engineering

### Learn 3D Printing in NJIT's Makerspace

- Be the first to design & create 3D prototypes in the NJIT Makerspace – an open 10,000 ft<sup>2</sup> work & training space.
- Gain hands-on experience using 3D industry tools & equipment.
- Add 3D Printing to your STEM curriculum & learn practical applications for your classroom.
- Obtain a resource-rich program of activities to implement in your school.

> **Length:** 1 day course - 7 hours

> **Date:** Monday, July 23, 2018

> **Time:** 9 a.m. - 4 p.m.

> **Place:** NJIT Makerspace Lab - GITC

> **Cost:** \$525 - lunch and materials included

> **Credential Awarded:** Yes – 6 Professional Development Hours (PDHs) and/or .6 Continuing Education Units (CEUs)

> **Course Number:** 2901

# COMPUTER SCIENCE

## OPTION 1



From the Ying Wu College of Computing

### Introduction to Computing for High School Teachers

*Instructor-led, Classroom-based*

- Designed specifically for high school teachers in response to new NJ law requiring high schools to provide Computer Science education.
- Dive into programming, computational thinking & problem solving using Python.
- Learn strategies for problem solving, constructs for program execution, data types, databases & networks.

> **Length:** 7.5 weeks – 45 hours (assignments & final exam)

> **Date:** July 5 – August 23, Mondays & Thursdays

> **Time:** 6 - 9 p.m.

> **Place:** On-campus

> **Cost:** \$1575

> **Credential Awarded:** Yes – 45 Professional Development Hours (PDHs) & 4.5 Continuing Education Units (CEUs)

> **Course Number:** 2902

## OPTION 2



From Continuing Professional Education

### Coding Basics & Front End Fundamentals Boot Camp

*Mentored, Project-based, Immersive, Online*

- Designed specifically for STEM teachers in response to new NJ law.
- Learn new techniques & exercises to teach students software & security with confidence.
- Begin coding from scratch, with HTML, CSS, JavaScript & Source Control.
- Develop your command of advanced tools in jQuery, AJAX, Flexbox & Bootstrap.
- Demonstrate proficiency by creating a website.

> **Length:** 2 weeks – 80 hours (assignments & projects)

> **Dates:** July 9-20, Monday - Friday (Section 101)  
July 15-27, Monday-Friday (Section 102)

> **Time:** Self-paced – 40 hours per week

> **Place:** Online (with instructor & mentor assist)

> **Cost:** \$1575

> **Credential Awarded:** Yes – 80 Professional Development Hours (PDHs) & 8.0 Continuing Education Units (CEUs)

> **Course Number:** 2903



**Seats are limited – reserve your space today!**

For more information, eligibility, scholarship opportunities, and/or to register, contact Ryan Mass at 973-596-3178, or [cpe@njit.edu](mailto:cpe@njit.edu)

**Register here** >> <http://continuing.njit.edu/pre-registration/>