

Advanced Manufacturing Summer Bootcamps

Prepare to become an Apprentice!

Courses meet from
June 20-August 24, 2022

Programmable Logic Controller (PLC) Bootcamp

This PLC Bootcamp is designed for individuals who are currently working in an Industrial Maintenance or Advanced Manufacturing position and wish to gain additional training in the Programmable Logic Controller field. Students will be working with Allen-Bradley 500.

Skills developed will provide experience in:

- Developing and installing of programmable controllers
- Planning, monitoring and troubleshooting PLC machine processes
- Identifying advanced programming terminology, languages, and concepts
- Developing HMI applications
- Identifying communication techniques and protocols

PLC Program Courses and Academic Credits

Online with Live instructor office hours

IT 205	Digital Electronics	3 credits
IT 218	PLCs	3 credits

CNC Bootcamp * Must have AutoCAD experience*

The CNC Bootcamp will provide participants entry-level skills in the CNC Machining field, while allowing them to earn credits toward a degree.

Skills developed will provide experience in:

- Machining center setup
- Turning center setup
- Calculations of speeds and feeds for tool and material
- Identifying basic programming of numerical controls

CNC Bootcamp Courses and Academic Credits

Hybrid classes

IT 211	Advanced Engineering Tech Design (CAD II)	3 credits
IT 160	CNC Programming	4 credits

AutoCAD Bootcamp

The AutoCAD Bootcamp is composed of three courses in which the courses will provide students the fundamental principles of engineering drawing, fundamental principles of descriptive geometry, graphical mathematics and CAD. Students will also learn the technical information and methods of blueprint construction and interpretation, sketches and prints that relates to manufacturing and fabricating processes. Finally, students will be introduced to basic measurement, precision measurement tools and dimensional gauging.

AutoCAD Bootcamp Courses and Academic Credits

Combination of Online and Hybrid classes

EG 102	Engineering Graphics	3 credits
IT 105	Blueprint Reading & Sketching	2 credits
IT 118	Tools & Measurements	1 credit

Ready to learn more?
Scan the QR code!



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