



# Mechanical Engineering Intern

The Manufacturing and Technology Enterprise Center (MTEC) is a not-for-profit business consulting firm located in Newburgh, NY. We assist small to mid-size manufacturers and entrepreneurs in the Hudson Valley by providing cost-effective business improvement solutions.

## Position Summary:

The Mechanical Engineering Intern will work alongside other interns of varying skill sets to develop and optimize custom projects for clients. The best fit for the position is comfortable working with a team and is eager to learn from their peers. The person chosen for the position is also able to be productive individually as a self-starter. The intern will report to the center's Engineering Supervisor on select projects.

## The desired candidate has:

- Experience and/or course work in:
  - Engineering Materials
  - CAD Design
  - Kinematics
  - Circuit Analysis
- An aspiration to do hands-on work and learn from on-the-job, real world experience

## Qualifications:

- Student is entering/in their junior year of study or recently received an Associate Degree
- Reliable transportation
- Ability to commit 16 – 20 hours per week during the semester weekdays and full time through mid-term and semester breaks

1 Scobie Drive  
Newburgh, NY 12550  
[www.mfgtec.org](http://www.mfgtec.org)

(845)391-8214  
[info@hvtdc.org](mailto:info@hvtdc.org)

**Title: Mechanical Engineering Intern**

**Location:** Newburgh, NY

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**Minimum Qualification Requirements:**

- Attention to detail
- 3D CAD experience
- Ability to read schematics and wire diagrams
- Ability to follow instructions
- Knowledge of basic material principles
- Experience with Microsoft Office Suite
- Knowledge of additive and subtractive manufacturing preferred

**Duties and Responsibilities:**

- The employee will be responsible for the design of 3D models and research with oversight from staff
- Proper attention to detail is a must
- The position requires soldering of wires and components
- Work on a team with other engineering interns, staff engineers, and other staff members
- Use engineering tools such as multimeters, soldering irons, and 3D printers to build and test assemblies
- Create and test 3D prototypes
- Assist in manufacturing when necessary
- Create documentation outlining procedures, ideas, and work completed
- Report to Engineering Supervisor

**Job Type:** Year-Round Part/Full Time Internship

**Salary:** \$15/hour

**Benefits:**

- Paid year-round internship until graduation offering on-the-job experience
- 90% of interns at MTEC find a job in their desired field within 90 days\*

**Schedule:**

- 20 hours per week during school semesters (around your school schedule)
- 40 hours per week during breaks (business hours: 8:30 AM – 5:00 PM Monday - Friday)

**Education:**

- Junior year in electrical engineering or equivalent (must be currently enrolled)

**Experience:**

- Must have taken circuit analysis and ideally be enrolled in or have taken Electronics I

**Work Location:**

- Newburgh, NY

**Company's website:**

- [www.mfgtec.org](http://www.mfgtec.org)

**Work Remotely:**

- No

**Apply at:**

[mfgtec.org/job-application](http://mfgtec.org/job-application)