



Position: Manufacturing Technician

Employer: SparkFun Electronics - Niwot

Quick Facts

COMPENSATION: \$13/hour year 1

WORK ADDRESS: 6333 Dry Creek Parkway, Niwot, CO

SCHEDULE OVERVIEW: Must be available to work Monday - Friday, between 8:00 am - 5:00 pm

Note: TSD Apprentices work a half day, 5 days/week schedule. Students will attend high school half the day and their apprenticeship half the day.

EDUCATION / CREDENTIAL BENEFITS:

Company will pay for Manufacturing Industry Credential (CMfgA or equivalent) as well as up to \$4000 in higher education coursework in year 3 of the apprenticeship, if desired by student, aligned with business, and approved by business.

START DATE: June 2021

AGE RESTRICTION: Must be 16 before June 2021

TRANSPORTATION OPTIONS: Transportation to and from apprenticeship is student's responsibility

IS A DRUG TEST REQUIRED?: Yes

IS A BACKGROUND CHECK REQUIRED?: Yes

Who We Are:

SparkFun Electronics is an open source e-retailer focused on making embedded electronics accessible to people of all ages and skill levels. SparkFun was instrumental in creating the Open Source movement and remains a leader dedicated to making it more commonplace. We strive to educate, encourage, and supply our customers in all things electronic.

In 2003, CU student Nathan Seidle shorted a programmer in his dorm room and, in lieu of a way to order easy replacements, decided to start his own company. Since then, SparkFun has been committed to sustainably helping our world achieve electronics literacy from our headquarters in Boulder, Colorado. No matter your vision, SparkFun's products and resources are designed to make the world of electronics more accessible. In addition to over 2,000 open source components and widgets, SparkFun offers curriculum, training and online tutorials designed to help demystify the wonderful world of embedded electronics. We're here to help you start something.

We are an equal opportunity employer that values a diverse workforce and an inclusive culture. SparkFun offers an abundance of opportunities to learn new skills from other Funions, in addition to many other benefits and perks.

Our Core Values are an incredibly important aspect of everything we do at SparkFun, from business decisions to how we welcome new employees to building meaningful relationships throughout the building. Our Values truly are who we are as an organization!

Those Core Values are: People First, Accountability, Respect, Transparency, and Innovation

SparkFun Electronics strongly encourages students of color and bilingual students to apply!

You can check us out or follow us on the following sites:

- Website: www.sparkfun.com
- Facebook: www.facebook.com/SparkFun/
- Twitter: <https://twitter.com/sparkfun>
- Instagram: <https://www.instagram.com/sparkfun/>
- Video: <https://youtu.be/VNW4dmqbr9o>

What You Will Do:

The Manufacturing Technician will be responsible for completing a variety of task associated with the manufacturing of both boards and kits within SparkFun's Production Department. These tasks will include testing, reworking, programming, and packaging of circuit board assemblies. These responsibilities will also include pulling parts for kits, completing kits and ensuring contents are 100% accurate, and reworking any kits deemed to be incomplete.

Working closely with other members of the Production Department, the Manufacturing Technician will ensure that SparkFun built products are always available for sale and are replenished as quickly as possible should they run out.

The right candidate will have a strong attention to detail, ability to work with very small parts, and be capable of learning a wide variety of skills as they relate to the overall manufacturing process of electronics. Job shadowing opportunities in other positions around SparkFun are potentially available.

Example work activities:

- Assembling and reworking circuit boards, including plated through hole soldering and surface mount device soldering
- Learning and using board assembly equipment, like a soldering iron, a reflow oven, a board washer, a hot air station, etc.
- Introduction to Bills of Materials (BOMs) for both circuit board assemblies and kits and instruction on how to properly read the schematics
- Testing and inspecting circuit boards, including following established and detailed procedures
- Pulling parts from inventory accurately and often
- Completing kit assemblies from raw materials to 100% completed kits
- Maintaining an organized and clean workspace

REQUIRED Aptitude Assessment:

Who: This is a required assessment if you are applying to apprenticeships in the Advanced Manufacturing Pathway.

What: The Wiesen Test of Mechanical Aptitude is a 60-question multiple choice test. Test takers have 30 minutes to complete the test. As an aptitude test, no manufacturing work experience or specific industry knowledge is required to succeed on the Wiesen Test. Rather, the Wiesen Test assesses your understanding of general concepts like gravity, momentum, and volume.

Why: Wiesen test results give employers a sense of whether you will be a quick learner for hands-on roles.

How: Follow these steps to take the Wiesen Test.

1. Determine when and where you will take the Wiesen Test. You'll need a quiet environment, internet access, and 30-minute time window.
2. Click on this link to begin the test:
<http://www.ondemandassessment.com/verify/apply/ySvAyDm/hhwPhTDE>
3. Fill in your name and contact information.
4. Complete the 60-question multiple choice test.
5. Results will be automatically shared with CareerWise and the companies that you are applying to for Advanced Manufacturing Pathway apprenticeships.

Credentials and Coursework

<https://www.careerwisecolorado.org/en/occupations/manufacturingtechnician/>

Apply *NOW* for best opportunity

Create your student profile, upload your resume, and apply for positions:

www.careerwisecolorado.org

