

# Apprenticeship Program

## 2023

FOR FUTURE MACHINISTS,  
MACHINE REBUILDERS, &  
APPLICATION ENGINEERS



**ALL WORLD**  
MACHINERY SUPPLY

IN ASSOCIATION WITH



**Rock  
Valley  
College**

# WHO WE ARE

## WE ARE A MACHINE TOOL SOLUTIONS PROVIDER

For three decades, the All World team has helped manufacturers around the world find premium, affordable solutions for their parts and service needs.

Whether standard issue or custom specific, our experienced team will do whatever it takes to provide our customers with a solution that works for their application and budget.

**PARTS DISTRIBUTION | SERVICE & REPAIR | MACHINE ACCESSORIES**



# WHAT WE NEED

## Great organizations need great teams.

We recognize that in order to continue to scale our business, we need new talent. That's where you come in.

We are looking for apprentices to train with our experts so that we can continue to cultivate a qualified and talented workforce.

### What apprenticeships are offered?

- CNC Precision Machinist
- Machine Tool Builder
- Applications Engineer

### What is an apprenticeship?

It's a job. Apprentices start working from day one with incremental wage increases as they become more proficient.

It's on-the-job learning and education. Apprenticeship includes on-the-job learning from an assigned company mentor and related technical training through Rock Valley College.

It's also a credential. Upon completion of the apprenticeship, all apprentices receive a recognized journeyman credential from the RRVTTMA.



University has always been a common option that many school-leavers opt for after deciding on their career path. It is an excellent study path for many careers and provides you with a wide range of knowledge.

However, with the rising price of university degrees, apprenticeship programs are becoming a popular alternative to university.

## WHY CHOOSE AN APPRENTICESHIP?



### LEARNING STYLE

Apprenticeships offer a learner hands-on experience in their chosen field, which can be a massive relief for students who do not enjoy the classroom environment.



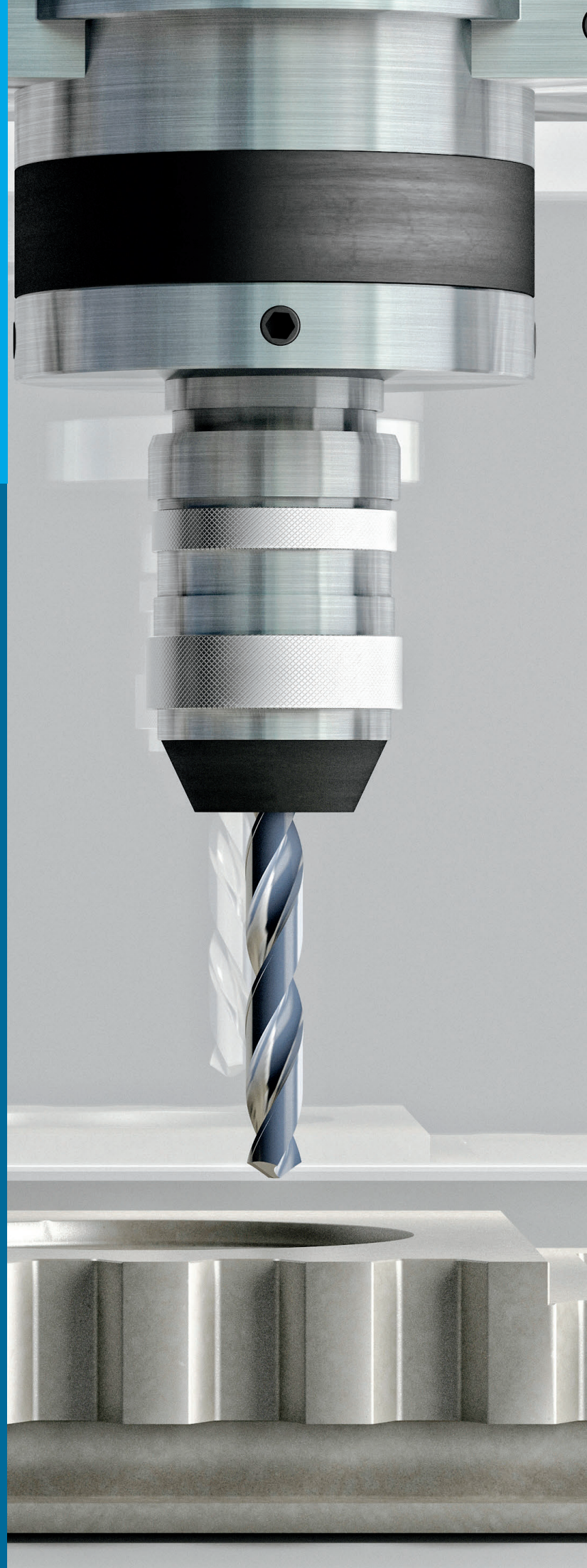
### COST

Apprenticeship courses are usually undertaken as a full-time job, which means you receive work entitlements such as leave. Apprenticeship students pay for their qualification. To many people, “student debt” vs “no student debt” is the tiebreaker for this argument.

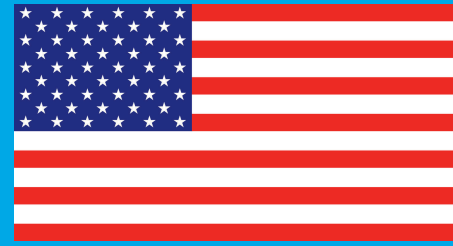


### KNOWLEDGE

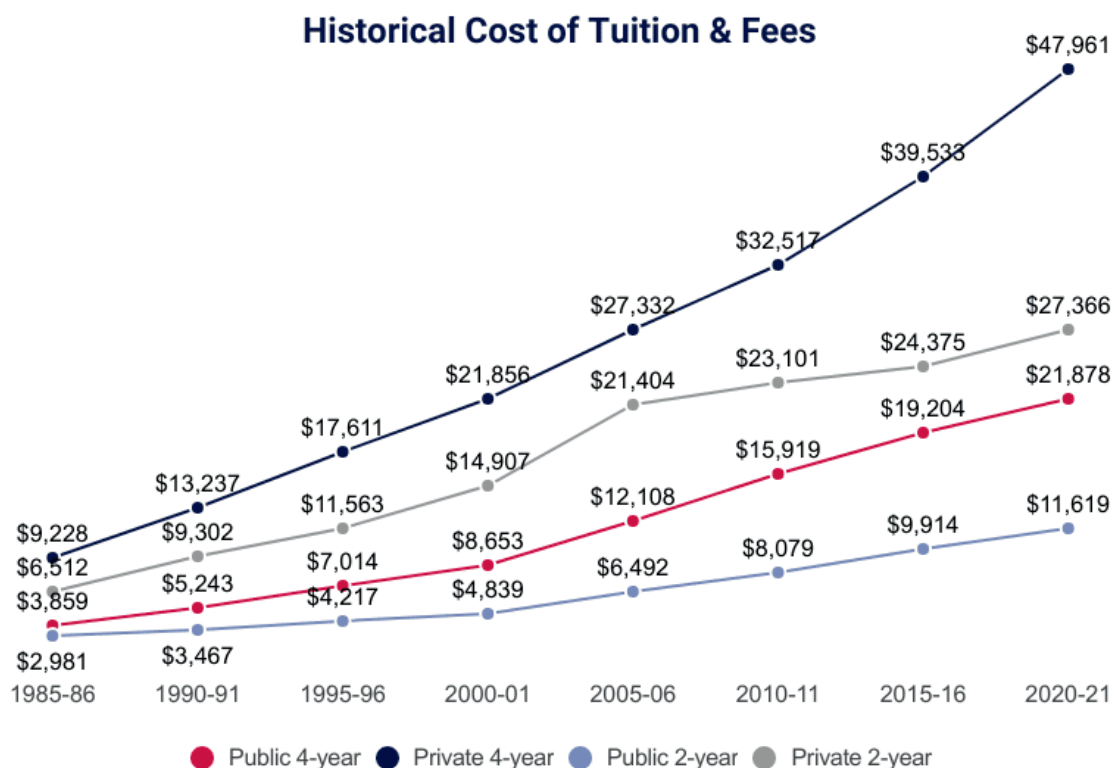
Apprenticeships put you to work immediately, and therefore need you to learn the required skills as quickly as possible. You are constantly exposed to the work environment every day, and this helps you to pick up the required knowledge for the job.



# The Cost of Higher Ed



- The average cost of college has more than doubled in the 21st century.
- The average private, nonprofit university student spends a total of \$55,840 per academic year living on campus, \$38,768 of it on tuition and fees.
- While 4 years is the traditional period to earn a bachelor's degree, just 40.4% of bachelor's degree-seeking students graduate within that time.
- 96% of confirmed bachelor's degree earners graduate within 6 years; the 6-year average cost of attendance is \$156,162.
- Students unable to work full-time stand to lose a median annual income of \$44,356 (per year).
- Student borrowers pay an average of \$2,186 in interest each year, and the average student borrower spends roughly 20 years paying off their loans.
- Considering lost income and loan interest, the ultimate price of a bachelor's degree may be as high as \$509,434.



Education Data Initiative sources: National Center for Education Statistics

# CNC MACHINIST

CNC machinists program, run and monitor computer-numeric-controlled machines, which are used to make metal tools and parts. They ensure that the machines are operating correctly and that pieces are cut to perfection. They also perform maintenance on the machines and replace dull or aged parts as necessary.

8,000 on the job hours



640 classroom hours



5 years completion time



\$9,147 investment  
(\$0 with payback plan)



## Education Program



### First Year

- Mathematics for Technology
- Blueprint Interpretation/GDT

### Second Year

- Metal Cutting Applications
- Metrology
- Materials & Processes

### Third Year

- CNC Machine Setup/Org/Prep
- CNC/CAM Operations I

### Fourth Year

- Computer Drafting Using AutoCAD
- Introduction to Welding
- Graphics/Solidworks CAD I

## On-the-Job Training



### First Year

- General Shop Work
- General Machining Process

### Second Year

- Horizontal Turning Machines
- Vertical Turning Machines

### Third Year

- Milling Machines
- Grinding Machines

### Fourth Year

- Inspection
- Welding

**Completion of program earns Journeyman's certification.**

# MACHINE BUILDER

The machine builder is responsible for fitting and assembling components according to assembly drawings, manuals, engineering memos, sketches and/or knowledge of machine construction. This position requires a strong technical ability and is for a motivated individual who enjoys a variety of responsibility.

8,000 on the job hours



609 classroom hours



5 years completion time



\$9,147 investment  
(\$0 with payback plan)



## Education Program



### First Year

- Mathematics for Technology
- Blueprint Interpretation/GDT

### Second Year

- Mechanical Systems I, II, & III
- Metrology
- Materials & Processes

### Third Year

- Electrical Systems I, II, & III
- Pneumatics & Hydraulics I, II, & III
- CNC Machine Set-up/Op/Prog

### Fourth Year

- Fundamentals of PLC I, II, & III
- Application of PLC I, II, & III
- Introduction to Welding

## On-the Job Training



### First Year

- General Machining Process

### Second Year

- Mechanical Assembly

### Third Year

- Electrical Assembly
- Hydraulic & Pneumatic Assembly

### Fourth Year

- Other System Assembly
- Troubleshooting

**Completion of program earns Journeyman's certification.**

# APPLICATIONS ENGINEER

An application engineer is a professional who develops customized software programs for clients and collaborates with development teams to create complex and sophisticated software applications. Responsibilities include providing technical support.

- 8,000 on the job hours 
- 750 classroom hours 
- 5 years completion time 
- \$11,250 investment (\$0 with payback plan) 

## Education Program



**First Year**

- Mathematics for Technology
- Materials & Processes
- Metrology
- Manufacturing Processes

**Third Year**

- CNC/CAM Operations
- Graphics I, II, & III
- Fundamentals of PLC I, II, & III
- Robotics and Automation I, II, & III

**Second Year**

- Mechanical Systems I, II, & III
- Electrical Systems I, II, & III
- Pneumatics & Hydraulics I, II, & III
- CNC Machine Set-up/Op/Prog

**Fourth Year**

- Application of PLC I, II, & III
- Industrial Robots I, II, & III
- Advanced Manufacturing I, II, & III
- Applied Physics

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## On-the Job Training



**First Year**

- General Machining Process
- Mechanical Assembly

**Third Year**

- To Be Determined

**Second Year**

- Electrical Assembly
- Hydraulic & Pneumatic Assembly

**Fourth Year**

- To Be Determined

**Completion of program earns Journeyman's certification.**



# How to Sign Up

## STEP ONE

### FILL OUT AN APPRENTICESHIP APPLICATION & APPLY.

You'll need to register for the program and pick your starting date using the Apprenticeship Application. This application will be sent to the RRVMTA for approval. You will also need to apply for the apprenticeship position via our website's career page so that you can work full-time at our facility.

## STEP TWO

### TAKE AN MECHANICAL APTITUDE TEST & PARTICIPATE IN A CULTURAL INTERVIEW.

The mechanical aptitude test measures your ability to understand and apply mechanical concepts and principles to solve problems so that we know where you are in your journey. We'll also perform a cultural interview to ensure that you are a good fit for our organization.

## STEP THREE

### FILL OUT AN APPLICATION FOR RVC CREDIT COURSES AND TAKE A SAFETY CLASS.

If you are selected to join our apprenticeship program, you will be notified of your start date and further instruction, including filling out a credit course application and a link to take a safety class which is a prerequisite to starting our program. Get ready to learn!

**All World takes new applicant submissions at any point of the year.**



**JUN**

Applicants receive cultural interview and take the NTMA Mechanical Aptitude Test.

**JUL**

All World chooses apprentice candidates. Selected candidates need to have their RVC paperwork and new hire paperwork completed by August 1st.

**AUG**

Apprentices begin their path towards journeyman certification.

## APPLYING STEP BY STEP

### STEP ONE

#### APPLY FOR THE ALL WORLD APPRENTICESHIP PROGRAM

<https://www.rrvtma.com/about-apprenticeships/> under Get More Info button

#### APPLY FOR ALL WORLD EMPLOYMENT

<https://allworldmachinery.isolvedhire.com/jobs/>

### STEP TWO

#### TAKE THE NTMA MECHANICAL APTITUDE TEST

<https://www.rrvtma.com/aptitude-test-registration/>

#### SCHEDULE A CULTURAL INTERVIEW

Call Ken Miller at 1 (815) 704 - 7830 or [kmiller@allworldmachinery.com](mailto:kmiller@allworldmachinery.com)

### STEP THREE

#### APPLY TO ROCK VALLEY COLLEGE

<https://rockvalleycollege.edu/admissions-and-aid/getting-started>

#### APPLY FOR FINANCIAL AID

<https://rockvalleycollege.edu/admissions-and-aid/paying-for-college/financial-aid/index>

#### REGISTER FOR CLASSES

<https://rockvalleycollege.edu/admissions-and-aid/registering-for-classes>

#### TAKE NTMA SAFETY CLASS

Contact Darrell Janesak at 1 (815) 943-9111 or [djanesak@allworldmachinery.com](mailto:djanesak@allworldmachinery.com)

## NEED HELP?

#### All World Machinery Supply

**Donna Fortune**

HR Manager

1 (815) 704-7870

[dfortune@allworldmachinery.com](mailto:dfortune@allworldmachinery.com)

#### RRVTMA

**Dutch Hinck**

Apprentice Administrator

1 (815) 985-5882

[dutch@rrvtma.com](mailto:dutch@rrvtma.com)

## **FAQ FREQUENTLY ASKED QUESTIONS**

### **Do I need to buy textbooks before every class?**

Prior to the start of each semester, All World will provide you with the textbook required for each class.

### **What happens if I leave the company before my payback period?**

Payback reimbursement is contingent on completing seven years of full-time employment with the company. Leaving before the end of the payback period will result in the voluntary termination of your payback benefits. Apprentices that have perfect attendance receive a monetary award from the RRV TMA at the graduation ceremony.

### **What happens if I fail a class?**

To qualify for full reimbursement, the apprentice must pass all classes with an A or B grade. If the apprentice fails to receive an A or B, they have the option to take the class again before their apprenticeship ends. All World will pay for the class that was passed (with an A or B grade), but any class score C, D, or F will be paid for by the student. Apprentices that earn straight A's (GPA 4.0) receive a monetary award from the RRV TMA at the graduation ceremony.

### **How do your pay rates compare to averages?**

Our apprenticeship rates are very competitive. By year four, an apprentice will match the same pay rate as an average machinist or machine builder. By year seven, the apprentice will be the upper 25% of their pay scale compared to average, with room to increase.

### **What does reimbursement cover?**

Payback reimbursement covers the cost of registration, tuition, labs, textbooks, and materials.

### **What information do I have to provide All World?**

In order for All World to provide reimbursement, apprentices must submit grades for each course, attendance records, and itemized receipts of tuition, lab, and registration costs.

### **Are all applicants accepted into the apprenticeship program?**

No. Although we will consider all applicants, we have limited space in our program to maintain quality instruction. Applicants will be selected based on their results in the NTMA Mechanical Aptitude Test, responses and participation in our cultural interview, and on a first come, first served basis.

**Want to know more?  
Contact us.**

**1 (815) 943-9111**

**[hr@allworldmachinery.com](mailto:hr@allworldmachinery.com)**

**[www.allworldmachinery.com](http://www.allworldmachinery.com)**