

# JUMPSTART YOUR CAREER



## BECOME A PART OF THE NATION'S VITAL AEROSPACE AND DEFENSE INDUSTRY

The United States Department of Defense (DoD) needs **your** help in advanced manufacturing, which is vital to our nation's defense. The DoD needs a steady and sustainable flow of qualified workers for the manufacturing and repair sectors of the Space Coast industrial base.

## LEARN THE SKILLS FOR A NEW CAREER IN WEEKS, NOT YEARS

The Aerospace and Defense Training Center (ADTC) is designed to quickly train qualified candidates in essential manufacturing skills and trades. Our goal is to establish a steady and sustainable flow of qualified workers.

## PROGRAM STRUCTURE

- ▶ 3-6 weeks, full time days
- ▶ Virtual instruction delivered via WorkForge
- ▶ In class hands on instruction delivered locally
- ▶ Earn industry certifications



## JOB FOCUSED SKILLS TRAINING

### CLASSES OFFERED

- ▶ WorkForge
- ▶ Manufacturing Essentials
- ▶ Aviation Basics
- ▶ Mechatronics
- ▶ Advanced Machining
- ▶ Advanced Composites
- ▶ Aerospace Welding
- ▶ Additive Manufacturing
- ▶ Aerospace Cyber Security
- ▶ Entry-Level Electronics (ELECT)



### TRAINING OPTIONS

- ▶ Full curriculum
- ▶ Modular curriculum
- ▶ Tailored to your needs



## ELIGIBILITY REQUIREMENTS

- ▶ GED or High school diploma
- ▶ U.S. citizen or residing in the U.S. with a work visa allowing the person to live and work permanently in the U.S.
- ▶ Have access to the internet, an email address to complete application/acceptance documents and online coursework

## PROGRAM FEATURES

- ▶ **NO PREREQUISITES REQUIRED!**
- ▶ Accelerated Training
- ▶ Modern Technology
- ▶ No weekend classes
- ▶ Low Student to Instructor ratio
- ▶ Expert instructors
- ▶ Networking Opportunities
- ▶ Career Coaching
- ▶ Job Focused skills for specific aerospace and defense roles
- ▶ Certification preparation
- ▶ Financial assistance may be available

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# CURRICULUM DESCRIPTIONS

## ADDITIVE MANUFACTURING

Unlock the future of manufacturing with our Additive Manufacturing course at ADTC. Dive into the exciting world of 3D printing and master the skills to create anything from intricate prototypes to fully functional parts. Learn to interpret blueprints, perform precision measurements, and operate cutting-edge 3D printers. Our hands-on training will equip you with the practical skills needed to excel in the rapidly evolving field of additive manufacturing. **Ready to make your mark in the tech world?** Enroll now and transform your creativity into reality!

## CNC MACHINING

Step into the world of precision and technology with our CNC (Computer Numerical Control) Machining course at ADTC. Learn to control advanced CNC machinery, including lathes and mills, using industry-standard computer control languages like G-code. Master the art of creating intricate and precise parts for advanced manufacturing industries. Gain hands-on experience with cutting-edge CNC equipment and develop the skills needed to excel in a high-demand field. **Ready to take your tech skills to the next level?** Enroll now and shape the future of manufacturing!

## AEROSPACE WELDING

Join the elite ranks of aerospace manufacturing with our Aerospace Welding course at ADTC. Learn the critical skills needed to unite metal materials using gas, MIG (Metal Inert Gas), and TIG (Tungsten Inert Gas) welding techniques. This course covers essential techniques and safety protocols specific to aerospace applications, ensuring you are ready to contribute to the manufacturing and maintenance of spacecraft and aircraft. Gain hands-on experience with advanced welding equipment and practices. **Ready to take your welding skills to new heights?** Enroll now and soar with the best!

## AVIATION BASICS

Take off into a high-flying career with our Aviation Basics course at ADTC. This dynamic program equips you with essential knowledge and skills in aviation safety, tool usage, human factors, technical data interpretation, Foreign Object Debris (FOD) prevention, flight control systems, materials and hardware, and electrical systems. Before starting, sharpen your skills with a no-cost online Math course. Upon successful completion, earn a certification recognized by United Airlines and the IBT, plus Foreign Object Elimination (FOE) certification through ASTM International. **Ready to launch your aviation career?** Enroll now and soar to new heights!

## MECHATRONICS

Unlock the power of multiple engineering disciplines with our Mechatronics course at ADTC! Dive into the exciting blend of mechanical and electrical engineering, electronics, instrumentation, and computer networking. This course offers a perfect mix of theoretical education and hands-on lab exercises in fluid power, factory automation, process automation, and electrical systems. As a Mechatronics Tech, you'll master the installation of electronic parts and hardware, operation and maintenance of automation equipment, and the analysis and recording of test results. **Ready to lead the future of technology?** Enroll now and revolutionize the way you see engineering!

## ADVANCED COMPOSITES

Elevate your skills with our Advanced Composites course at ADTC. Discover how advanced composites are transforming aerospace and commercial industries, from lightweight aircraft components to durable commercial products. Explore the world of composites as you explore their history, fiber reinforcements, and matrix systems. Master the essential processes of composite fabrication, inspection, damage assessment, and repair using industry-standard methods. Learn to produce high-quality composite components, perform material evaluations, and execute precise repairs under the guidance of a qualified CertTEC examiner (CTE). **Ready to shape the future of advanced materials?** Enroll now and become a composites expert!

## AEROSPACE CYBERSECURITY

Join the frontline of defense with our Cybersecurity courses at ADTC. Gain hands-on experience with the nation's leading cybersecurity training. Learn cyber testing, operations and prepare for top industry certifications.

Determine if you have the skills and knowhow with **CompTIA IT Fundamentals (ITF+) one week course**, or enroll in one of the following courses that include hands-on labs, case studies, and industry certifications:

- **Aerospace Cybersecurity Level 1** – Become a Cybersecurity Support Technician, IT Specialist with CompTIA Security+, AKYLADE Certified Cyber Resilience Fundamentals (A/CCRF) – **2 weeks**
- **Aerospace Cybersecurity Level 2** – Become a Junior Security Operations Center Analyst with CompTIA CySA+, AKYLADE Certified Cyber Resilience Practitioner (A/CCRP), hands-on labs, case studies and industry certifications – **2 weeks**
- **Aerospace Cybersecurity Level 3** – Become a Security Operations Center Analyst with AKYLADE Certified SOC Fundamentals (A/SOCF), AKYLADE Certified SOC Practitioner(A/CSOCP), hands-on labs, case studies and industry certifications – **2 weeks**

Continued



- **Aerospace Cybersecurity Level 4** – Become an Incident Response Practitioner with AKYLADE Certified Incident Response Practitioner (A/CIRF), AKYLADE Certified Incident Response Practitioner (A/CIRP), hands-on labs, case studies and industry certifications) – **2 weeks**
- **Aerospace Cybersecurity Level 5** – Become a Junior Penetration Tester with CompTIA PenTest+, AKYLADE Certified Risk Management Fundamentals (A/CRMF) and Certified Risk Management Practitioner (A/CRMP), hands-on labs, case studies and industry certifications – **3 weeks**

For anyone with at least the **Aerospace Cybersecurity Level 1 course completed**, additional options for continuing education are available:

- Cyber Resilience Practitioner = A/CCRF + A/CCRP certifications
- Risk Management Practitioner = A/CRMF + A/CRMP certifications
- AI Security Practitioner = A/CAISF + A/CAISP certifications
- Incident Response Practitioner = A/CIRF + A/CIRP certifications
- Security Operations Center Practitioner = A/CSOCF + A/CSOCP certifications

Equip yourself with the knowledge to protect digital infrastructures and combat cyber threats. **Ready to become a cybersecurity expert?** Enroll now and secure the future!

## ENTRY-LEVEL ELECTRONICS

Jumpstart your electronics career with our Entry-Level Electronics course at ADTC. In this course, you'll learn basic terminology, component recognition, symbology, and schematic interpretation. By the end, you'll be able to follow instructions, take precise measurements, and align a basic power supply circuit using technical procedures and schematics. You'll also delve into DC, AC, analog, and digital circuits, gaining hands-on experience with multimeters and oscilloscopes. **Ready to get wired into the world of electronics?** Enroll now and power up your future!

## CONTACT INFORMATION

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