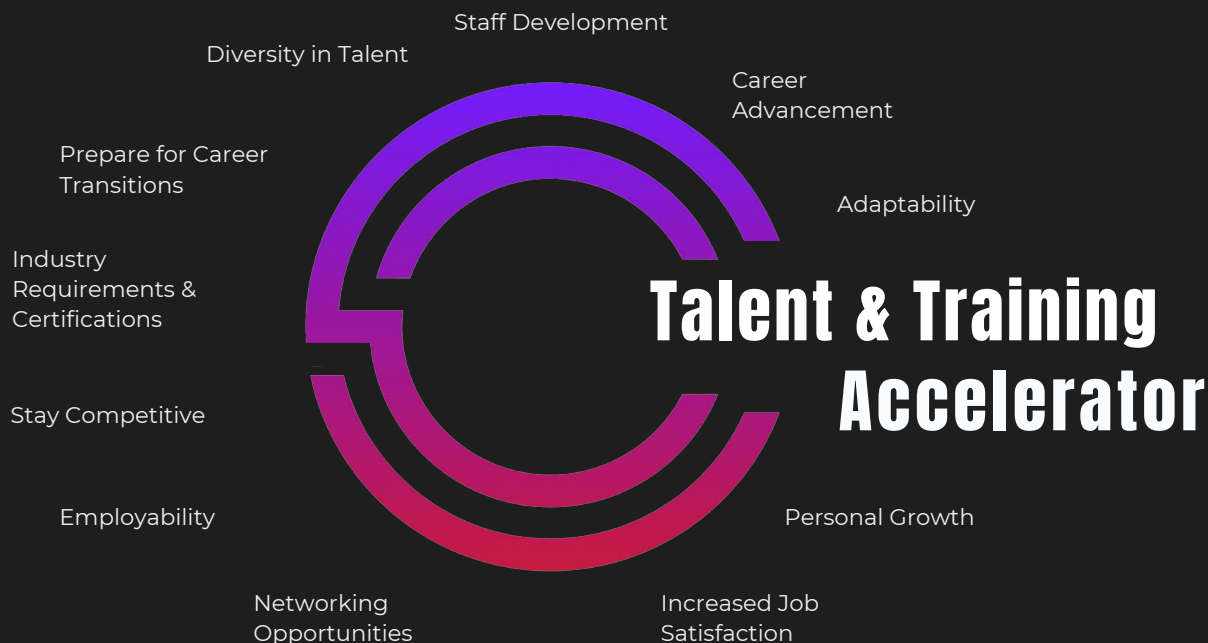


Learn With Us. Build Your Talents. Follow Your Path.



The Accelerator

Introducing the TnT Accelerator at CCAT
Your Digital Technology Gateway to
Personal & Professional Advancement.

We believe in the transformative power of talent development, empowering individuals to embrace change, seize opportunities, and continuously enhance their skills. Our programs not only bolster individual growth, but also fuel industry resilience and growth.

- **Talent Launchpad:** Expansive meeting area for large groups
- **Digital Thread Lab:** Advanced manufacturing training center & automation nexus
- **Digital Booster:** Advanced computing classroom
- **Digital Portal to Career Pathways:** Online digital resources, career planning

Join us at the TnT Accelerator and embark on a journey of skill development, career advancement, and industry transformation. Enroll today!



Talent

Empowering individuals to adapt and seize opportunities, and empowering companies by developing their talent.



People

Offering individuals skills development, career advancement, certifications, job satisfaction and more.



Technology

Facilitating the adoption of advanced manufacturing technologies and expediting digital transformation.



Collaborations

Contributing to U.S. economic development objectives through regional and national partnerships.



Career Pathways

Providing training pathways, guiding talent through preparation, planning, decision-making, and exploration.

Industries We Serve

- ✓ Aerospace
- ✓ Automotive
- ✓ Medical
- ✓ Naval
- ✓ Electronics
- ✓ Advanced Materials
- ✓ Machinery
- ✓ Infrastructure



DIGITAL TRAINING

Empower your team with in-demand skills to transform your manufacturing.

Digital Thread Lab is an end-to-end training facility for critical skills in advanced manufacturing, quality inspection, vision and automation technologies. Fully-equipped, featuring:

Located within CCAT's Talent & Training Accelerator, **222 Pitkin St East Hartford**

8 modules per week, Tuesday - Friday morning and afternoon classes

Software

- SolidWorks + SolidWorks PDM
- MasterCAM
- Siemens NX + Siemens Teamcenter
- Capvidia
- Origin Checkmate
- Polyworks
- CADIQ

Equipment

- HAAS 5-axis Mini Mills
- Hexagon CMM, Model: Global S 5.7.5 Scan+
- Hexagon Absolute ARM, Model: 8525-7
- Markforged X7/ Hawk Ridge Systems
- ABB CRB 1500 "GoFa" Cobots
- M3DI Automated 3D Scanning System: Variscan Pro

Powered by CCAT, in partnership with the U.S. Department of Defense.



Learning Pathways

Multiple learning pathways developed by engineering experts, in collaboration with industry and the U.S. Department of Defense.



Class Details

Class size max: 9 people; in-person and hybrid trainings; instruction materials provided; customized training options.



Technology Partners

Partnering with today's leading technology providers, including Trimech, HAAS, Markforged, Swoosh, ITI and SphereGen.



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Digital Design Training

Take theory into practice with digital design training.

Learn with Us

 <p>Deep Industry Experience</p> <p>Taught by educators and developed by engineers, in collaboration with industry & the U.S. Department of Defense.</p>	 <p>Industry's in-demand skills</p> <p>Design training focused on CAD for MBD, CAD quality and validation, digital costing, and product life cycle management.</p>	 <p>Advanced Technology</p> <p>Partnering with leading technology providers to bring you cutting-edge equipment & software for MBD & digital thread.</p>	 <p>Learning Pathways</p> <p>Targeted pathways created with employers to upskill design, manufacturing and quality teams..</p>
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Schedule: Week 1 of Each Month


<p>Tuesday</p> <p>Digital Thread Concepts & Value Proposition 8:30 am - 12 pm</p> <p>Next Gen Tech Data Packages & MBD Workflows 1 - 4 pm</p>	<p>Wednesday</p> <p>Introduction to CAD for Model-Based Design 8:30 am - 12 pm</p> <p>Intermediate CAD for Model-Based Design 1 - 4 pm</p>	<p>Thursday</p> <p>CAD Quality & Validation Practices for Model-Based Design 8:30 am - 12 pm</p> <p>Interpreting CAD Quality & Validation for MBD 1 - 4 pm</p>	<p>Friday</p> <p>Digital Costing for Model-Based Design 8:30 am -12 pm</p> <p>Product Lifecycle Mgmt. for Model-Based Design 1 - 4 pm</p>
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Digital Manufacturing

Take theory into practice with digital manufacturing training.

Learn with Us



Deep Industry Experience

Taught by educators and developed by engineers, in collaboration with industry & the U.S. Department of Defense.



Industry's in-demand skills

Design training focused on CAD for MBD, CAD quality and validation, digital costing, and product life cycle management.



Advanced Technology

Partnering with leading technology providers to bring you cutting-edge equipment & software for MBD & digital thread.



Learning Pathways

Targeted pathways created with employers to upskill design, manufacturing and quality teams..

Schedule: Week 2 of Each Month

Tuesday

Digital Thread Concepts & Value Proposition

8:30 am - 12 pm

Next Gen Tech Data Packages & MBD Workflows

1 - 4 pm

Wednesday

Overview of Setup & Programming 3-Axis Milling Machine

8:30 am - 12 pm

Automating Setup & Programming 3-Axis Milling Machine

1 - 4 pm

Thursday

Overview of Additive Manufacturing Processes & Workflow

8:30 am - 12 pm

Additive Mfg: Automation & MBD Applications

1 - 4 pm

Friday

Process Authoring with a Digital Twin Platform

8:30 am -12 pm

Using Mixed Reality to Create Work Instructions for Design

1 - 4 pm



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Digital Quality Assurance and Inspection

Take theory into practice with digital training.

Learn with Us



Deep Industry Experience

Taught by educators and developed by engineers, in collaboration with industry & the U.S. Department of Defense.



Industry's in-demand skills

Design training focused on CAD for MBD, CAD quality and validation, digital costing, and product life cycle management.



Advanced Technology

Partnering with leading technology providers to bring you cutting-edge equipment & software for MBD & digital thread.



Learning Pathways

Targeted pathways created with employers to upskill design, manufacturing and quality teams..

Schedule: Week 3 of Each Month

Tuesday

Digital Thread Concepts & Value Proposition

8:30 am - 12 pm

Next Gen Tech Data Packages & MBD Workflows

1 - 4 pm

Wednesday

Inspection Plan Authoring Automation for MBD

8:30 am - 12 pm

First Article Inspection Automation for MBD

1 - 4 pm

Thursday

Introduction to Inspection Workflows for MBD

8:30 am - 12 pm

Intermediate Inspection Workflows for MBD

1 - 4 pm

Friday

Automated Programming of CMM Inspection

8:30 am -12 pm

Automated Programming of Non-Contact Inspection

1 - 4 pm



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