

Uniquely Abled Academy



Introductions

Naomi Pollek, Manager, Student & Employer Relations

Goldhmong Vang, Coordinator
Riley Christensen, Student Support Specialist

Heather Lorbiecki, Transition Specialist
Cathy Bohte, Accommodations & Accessibility Facilitator



Chris Chomicki, MCT Faculty Lead
Kim Bertrand, UAA Educational Assistant
All of the Instructors
Pathway Advisors & Retention Coaches



Employer & Community Partners



UAA Quick Facts

- Modeled after a UAA program that started in California, Ivan Rosenberg
 - Uniquely Abled Project
- Cohort-based training, max of 10 students
- Piloted UAA at MATC Fall 2021 (7 students)
 - 4 out of the 7 continued on with education
 - at least 2 are working at least part-time
- Second cohort began Fall 2022 (5 students)
 - 100% Fall-Spring persistence
 - Will all complete certificate next week
- Third cohort to begin Fall 2023 (Open!)



Upon completion, students earn a **CNC Setup and Operations Certificate**

Training and Education



MATC UAA CNC Setup and Operation (16cr.) Certificate (State Approved)



Coursework and Typical Semester Layout

Fall 2023 (9 credits)

- Machine Trades Math 1
- Metrology
- Manual Vertical Milling Machine 1 (~16 hrs a week x 6 weeks)
- Manual Vertical Milling Machine 2 (~16 hrs a week x 6 weeks)
- *Supplemental Vertical Milling Machine course (+32 hrs)
- Blueprint Reading 1

Spring 2024 (7 credits)

- Intro to CNC Vertical Machining Center (~28 hrs a week x 7 weeks)
- Introduction to CNC Programming
- Blueprint Reading 2
- Machine Trades Math 2

**Engine Lathe 1 & 2 (~22.5 hrs a week x 8 weeks)

MATC UAA CNC Setup and Operation

(16cr.) Certificate (State Approved)

	MON 31	TUE 1	WED 2	THU 3	FRI 4
MT-06					
6 AM					
7 AM					
8 AM					
9 AM					
10 AM		Machine Trades Math 1 9:30 – 11:25am T100	Metrology 9:30 – 11:25am T235	Machine Blueprint 1 9:30 – 11:25am T100	
11 AM					
12 PM	Manual Vertical Milling 2 12 – 3:55pm T106	Manual Vertical Milling 2 12 – 5pm T106	Manual Vertical Milling 2 12 – 3:55pm T106	Manual Vertical Milling 2 12 – 5pm T106	
1 PM					
2 PM					
3 PM					
4 PM	UAA section 4 – 5pm	UAA section 4 – 5pm	UAA section 4 – 5pm	UAA section 4 – 5pm	
5 PM					
6 PM					



MATC UAA CNC Setup and Operation

(16cr.) Certificate (State Approved)

	MON 30	TUE 31	WED 1	THU 2	FRI 3
GMT-06					
6 AM					
7 AM					
8 AM	MACHTL 322 200 - CNC Vert. Mch. Center 8 - 11:55am T118	MACHTL 322 200 - CNC Vert. Mch. Center 8 - 11:55am T118	MACHTL 322 200 - CNC Vert. Mch. Center 8 - 11:55am T118	MACHTL 322 200 - CNC Vert. Mch. Center 8 - 11:55am T118	MACHTL 322 200 - CNC Vert. Mch. Center 8 - 11:55am T118
9 AM					
10 AM					
11 AM					
12 PM	MACHTL 322 200 - CNC Vert. Mch. Center 12 - 1:55pm	MACHTL 322 200 - CNC Vert. Mch. Center 12 - 1:55pm	MACHTL 322 200 - CNC Vert. Mch. Center 12 - 1:55pm	MACHTL 322 200 - CNC Vert. Mch. Center 12 - 1:55pm	
1 PM					
2 PM	UAA Time 2 - 3pm	MACHTL- 304 INTRO into CNC 2 - 3:55pm T135	MACHTL-385 Mach. trades math 2 2 - 3:55pm T100	MDRAFT-386 Blueprint Reading 2 2 - 3:55pm T306	
3 PM	Open tutoring time 2 - 2:55pm				
4 PM		Open Tutoring Time? 4 - 4:55pm	Open Tutoring Time? 4 - 4:55pm	Open Tutoring Time? 4 - 4:55pm	
5 PM		UAA Time 4 - 4:55pm	UAA Time 4 - 4:55pm	UAA Time 4 - 4:55pm	

Job & Career Readiness



- Soft Skills Training
- Career Readiness Workshops
 - Communication in the Workplace
 - Resume writing
 - Interview preparation and practice
 - Job Search help
 - Self Advocacy Skills
 - Critical Thinking
- Employer Presentations to UAA Class
- Facility Tours at local manufacturing employers
- Curriculum is flexible
- Alumni connections & mentorship

Employer & Community Partnerships

- Employer & Community partners can serve on our consultative team
- Professional insight on the industry to prepare our students
- Have hiring needs and would like to bring in Uniquely Abled talent
- Invested in inclusive hiring practices & making adjustments
- Referrals & Collaboration



Outcomes & Learning Points

- Cohort 1 (Fall 2021, August 2021-December 2021)
 - 6 out of 7 completed the program
 - 4 decided to continue on with education*
 - Tool & Die
 - CNC Technician
 - CNC Swiss Multi-Axis Machining
 - Machine Tool Operations
 - 3 is working at least part-time in related field
- Cohort 2 (Fall 2022-Spring 2023, August 2022-May 2023)
 - 5 students, 100% persistence rate from Fall to Spring
 - 1 student offered and accepted job offer this week!

Outcomes & Learning Points

- Adjust curriculum to 2-semester
- Parental Engagement & Communication with Network of Support
- More frequent “UAA time” for workshops & skills building
- Career Readiness Training
- Time Added to classes
- Structure & Timing, but also flexible training schedule
- Faculty Training and Support
- Individualized Support
- Re-Structuring Peer Tutor position
- Mentorship between UAA Staff and students
- Shifting conversations and norms
- Empowering students



For more information, please contact:

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