

Compliance Template

School/institution Name Pickens Technical College Program Advanced Manufacturing



Program of Study

Career Cluster(s): Skilled Trades & Technical Sciences Career Pathway(s): Manufacturing Postsecondary/Secondary Partner(s): APS, Outlying Districts, CCCS

Education Levels	Grade	Communication	Mathematics	Other Required Academic Courses (i.e. Science, Social Science)	Career and Technical Program Courses	Supplementary Course Recommendations (i.e. world language, entrepreneurship, etc)	Possibilities of careers relating to this Pathway
State Graduation Requirements: (URL to Page) www.cde.state.co.us/postsecondary/graduationguidelines							
MIDDLE	7						Machinist / CNC Machinist
	8						<u>Colorado Specific:</u> Wage: \$26,390-\$64,690 Annually; \$12.69-\$31.10 Hourly
High /Secondary	9		Algebra 1 (preferred)	English I (preferred) Physical Science (preferred)			<u>Education:</u> High school diploma or equivalent, Post-Secondary Certificate, AA Degree
	10		Geometry (preferred)	English II (preferred)		PWR related coursework and/or badge (preferred)	<u>Projected Annual Job Openings:</u> 200
	11		Algebra II /other (preferred)	English III (preferred) Science Chemistry (preferred)	Level 1 Advanced Manufacturing Certificate		<u>Related Occupations:</u> CNC Operators, Tools and Die Makers, Pre engineering / Design
	12		Trigonometry/other (preferred)		Level II Advanced Manufacturing Certificate Computer Aided Manufacturing Certificate Advanced Manufacturing Certificate (Combo of all above)		<u>Resources:</u> https://www.onetonline.org/link/summary/51-4041.00
13 th year (ASCENT, P-TECH or other):							
High school courses in the pathway offered locally for college credit should be coded Concurrent Enrollment with CCNS Prefix and Number							
List related Industry Certifications/credentials approved and offered locally: MasterCam Certification, National Institute of Machine Standards (NIMS) Certification, SolidWorks Certifications Conditions of Employment: Most require being at least 18 Yrs. old, mechanical aptitude, physical abilities to perform work. Ability to stand for long periods of time.				Additional Learning Opportunities: CTSO organization(s): Skills US Work-based Learning: Career Research, Job Shop Projects, Capstone, Industry Certificates Take on outside projects from the community to emulate actual job experiences at school replicating a machine shop environment. Students who are seeking an Engineering Degree can acquire sound foundational skills for future education in Engineering.			
Postsecondary: CCPT Placement Assessment – None Required CLEP - None Required Prior Learning Assessment (PLA) eligibility: - None Required Acceleration Opportunities: - None AP: N/A IB: N/A				Other Graduation Requirements: These are high school managed task/requirements and not applicable to Pickens Tech. <input type="checkbox"/> Capstone Project <input type="checkbox"/> Assessment (ACT, SAT, WorkKeys, ASVAB, Locally endorse, Other) <input type="checkbox"/> ICAP Quality Indicators <input type="checkbox"/> PWR Competencies			

