Program of Study: Manufacturing Technology AAS

Postsecondary/Secondary Partner(s):_____   Career Pathways: **Manufacturing Production**

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						Manufacturing Production Technicians, Computer-Controlled Machine Tool Operators, Metal and Plastic, Industrial Engineering Technicians Manufacturing Engineering Technologists, Industrial Production Managers, Engine and Other Machine Assemblers, Machine Feeders and Off bearers, General and Operations Managers, Mechanical Engineers
	8						
High /Secondary	9	English I	Algebra I,	Earth or Environmental Science		World Language Physical Education	
	10	English II	Geometry	Biology, US History, Foreign Language I		Psychology, Physical Education,	
	11	English III	Algebra II	Chemistry, Foreign Language II		Speech/Communications, Physical Education	
	12	English IV	Trigonometry or other Math,	Botany or other lab based Science		Computer Applications	
13th 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 <weblink>							

List related Industry Certifications/credentials approved and offered locally: **<insert credential/Industry certification name here>** **<this field> must have <this level> of training & learning:**	**Additional Learning Opportunities:** **CTSO organization(s):** □ DECA □ FBLA □ FCCLA □ FFA □ CCSA □ HOSA X SkillsUSA □ TSA □ SC[2] **Work-based Learning:** X Career Research □ Cooperative Education □ Internship □ Mentorship X Job Shadowing □ Service Learning Project □ Student Apprenticeship □ Industry Certificate
Postsecondary: CCPT Placement Assessment CLEP <weblink> Prior Learning Assessment (PLA) eligibility: <weblink> Acceleration Opportunities: AP: IB:	**Other Graduation Requirements:** □ Capstone Project □ Assessment (ACT, SAT, WorkKeys, ASVAB, Locally endorse, Other) □ ICAP Quality Indicators □ PWR Competencies

	POSTSECONDARY PROGRAMS				
	Industry Certificate	**Certificate**	**Associates Degree**	**Bachelor's Degree**	**Advanced Degree**
P O S T S E C O N D A R Y		Machining Technology Welding	Machining Technology Welding	Mechanical Engineering Civil Engineering Industrial Engineering	Engineering Management Industrial and Systems Engineering Mechanical Engineering

Insert Program Requirements for Entry: http://www.trinidadstate.edu/admissions
Gainful Employment Link:

Semester	CTE Sequence of Courses		General Education (Sequence of Courses)
Year 1 1st Semester	MAC 110 Introduction to the Engine Lathe MAC 111 Intermediate Engine Lathe MAC 120 Introduction to Milling Machine MAC 201 Introduction to CNC Turning Operations	MAC 205 Introduction to CNC Milling Operations MAC 240 CAD/CAM 2D MAN 125 Team Building OSH 127 10 HR Construction Industry Standards	
Year 1 2nd Semester	MAC 112 Advanced Engine Lathe MAC 121 Intermediate Milling Machine MAC 122 Advanced Milling Machine Operations	MAC 202 CNC Turning Operations II MAC 206 CNC Milling Operations II MAC 245 CAD/CAM 3D	
Year 2 1st Semester	Electives from the following prefix: HEQ, ASE, EIC, ADE, DPM and/or MAC or as approved by Dean		MAT 107, 121, or 155 Career Math, College Algebra, or Integrated Math
Year 2 2nd Semester			ENG 115 or 121 Technical Writing or English Composition I 3 credit hours of approved electives PSY 101 or 102 General Psychology I or II CIS class as approved by Advisor

POSTSECONDARY COMMUNITY COLLEGE

Advanced Degree(s)

University/College:
Degree or Major:
Number of Articulated CC Credits: <insert link to Articulation Agreements>

Alignment to ICAP Process and outcome(if applicable):

Symbols/Codes: Legend: (this POS is coded for the following)

+ GT Pathway	o ICAP Quality Indicator Shown	~ Concurrent Enrollment	/ IB
* Hot career field	- PWR Competencies Shown	x Badge	< AP
^ Special Pops/ACE	@ AVID		

Signatures:

_____ (Postsecondary) _____Secondary _____Date