

## 2009 - 2010 Program of Study - Secondary

Submitted by CTPD Name: Tri Star Career Compact

CTPD Number: \_\_\_\_\_

### Secondary Program Information

**School District Name:** Tri Star Career Compact

**Career Field:** Manufacturing Technologies (MT)

**School District IRN:** 44727

**Pathway Name:** Manufacturing Production (MT)

**Building (location) Name:** Memorial High School St. Marys

**Specialization Name (if applicable):** Precision Machining

**Building (location) IRN:** 24208

**EMIS Subject Code:** 172302

**Local Program Name:** Precision Machining

**Specify Industry Credential Opportunities (if applicable):** \_\_\_\_\_

Grade									Required or Elective Academic				Career and Technical			
	English	Code	Math	Code	Science	Code	Social Studies	Code	Course	Code	Course	Code	CTE Course	Code	CTE Course	Code
9	English I	RA	Algebra I	RA	Physical Science	RA	American and World Studies I	RA	Health/PE	RA	Foreign Language	RE				
10	English II	RA	Geometry	RA	Biology	RA	American and World Studies II	RA	Industrial Tech/Computer Lit	RE	Foreign Language	RE				
11	English III	RA	Algebra II	RA	Chemistry or Advanced Science	RA	Psychology	RE					Precision Machining I	CT CC		
12	English IV	RA	Advance Math	RE	Physics	RE	American Government	RA					Precision Machining II	CT CC		

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**Date Completed:** 5/21/2009

**CODES** (use all that apply)

**RA:** Required Courses                      **CT:** Career-Technical Courses  
**RE:** Recommended Electives              **CT2:** Eligible for CT2 Credit  
**CC:** College Credit Opportunities based on articulation or dual/concurrent enrollment agreements

## 2009-2010 Program of Study - Postsecondary Quarters

Postsecondary Institution: Rhodes State College

College Major: (if applicable) Manufacturing Engineering Technology College Degree: (if applicable) Associate in Applied Science

Specify Industry Credential Opportunities (if applicable): \_\_\_\_\_

Certificate, Adult and/or Apprenticeship Program: (if applicable) CNC, Robotic Operation & Programming

Secondary Program Name: Precision Machining Secondary School Name: Tri Star Career Compact District Name: Tri Star Career Compact

	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code
Year 1 1st Qrt.	COM 111 English Composition	RA OTM	MED 100 AutoCad I	RT CC	MET 111 Manufacturing Process	RT CC	SDE 101 First Year Experience	RA:								
Year 1 2nd Qrt.	BET 112 Physics of Mechanics	RT TAG	COM 114 Technical Writing	RA OTM	CPT 112 Intro to Visual Basic Programming	RT	Elective- Social and Behavioral Science Course	RE:	MET 102 Materials Science	RT TAG						
Year 1 3rd Qrt.	BET 113 Physics of Heat, Light & Sound	RT TAG	COM 211 Public Speaking	RA OTM TAG	Elective- General Education Course	RE	IET 100 Manufacturing Management	RT:	QET 111 Intro to Quality	RT						
Year 2 1st Qrt.	EET 133 Digital Circuits	RT TAG	FMS 103 CNC Programming	RT CC	FMS 211 Basic Robotics & Mechatronics	RT	MET 231 Fundamentals of Hydraulics	RT:	MTH 121 Mathematics I	RA						
Year 2 2nd Qrt.	EET 111 Circuit Analysis I	RT TAG	EET 291 Programmable Controllers	RT	FMS 221 CAM/CNC Machining	RT	MTH 122 Mathematics II	RA OTM								
Year 2 3rd Qrt.	EET 203 Motor Controls	RT	FMS 222 Advanced CAM/CNC Machining	RT	FMS 213 Industrial Mechatronics & Robotics Systems	RT	MET 297 Applied Design for Manufacturing	RT:	MTH 123 Mathematics III/ MTH 126 Statistics	RA OTM						

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**CODES** (use all that apply)

**RT:** Required Technical Courses    **CT2:** Eligible for CT2 Credit  
**RA:** Other Required Courses    **TAG:** Eligible for TAG Credit  
**RE:** Recommended Electives  
**CC:** Other College Credit Opportunities (based on articulation or dual/concurrent enrollment agreements with partner high school)