

2010 - 2011 Program of Study - Secondary

Submitted by CTPD Name: South Stark Career Academy

CTPD Number: 200115

Secondary Program Information

Career Field: Manufacturing Technologies (MT)

School District Name: Canton Local Schools

Pathway Name: Manufacturing Production (MT)

School District IRN: 49833

Specialization Name (if applicable): Welding

Building (location) Name: Canton South High School

EMIS Subject Code: 172306

Building (location) IRN: 4812

Local Program Name: Metal Fabrication

For JVSD only: specify grade level(s) and building location for associate schools component:

Grade	School Name

Identify the # or range of **POTENTIAL** college courses and credits in the career field:

Courses	Credits

Grade	Required or Elective Academic Courses and Other Courses											Career and Technical Education Courses				
	English	Code	Math	Code	Science	Code	Social Studies	Code	Course	Code	Course	Code	CTE Course	Code	CTE Course	Code
9	English 9 (CP)	RA	Algebra I, Integrated Math I	RA	Physical Science	RA	World History	RA	Health	RA	Physical Ed.	RA				
10	English 10 (CP)	RA	Geometry, Integrated Math II	RA	Biology (Lab)	RA	American History	RA	Intro into Machining	RE	Intro into Construction	RE	Tech Applications (DE) Comp Apps	RE CC		
11	English 11	RA	Algebra II, Pre-Calculus or DE Pre-calc	RA CC	Chemistry (Lab), Integrated Science III	RA	Governemnt and Economics	RA	Foreign Language	RE	Master Student (DE)	RE CC	Metal Fabrication I	CC		
12	English 12, DE English	RA CC	Algebra III, Integrated Math III, AP Calculus	RA	Physics (Lab) DE Physics	RA CC	Pschology/ Sociology DE Sociology	RE CC	Foreign Language	RE			Metal Fabrication II	CC		

Contact Person: Nicki Howard

Title: Director of Secondary Programs

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Date Completed: 1/19/2010

Specify Industry Credential Opportunities (if applicable):

American Welding Society

D1.1 Structural Cert

Pressure Vessel Cert. ASME Sec IX Tow Motor License

OSHA Cert-10 hour Safety

CODES (use all that apply)

RA: Required Courses

RE: Recommended Electives

CT2: Eligible for CT2 Credit

***CC: College Credit Opportunities based on articulation or**

dual/concurrent enrollment agreements in career field

2010 - 2011 Program of Study - Postsecondary Semesters

Postsecondary Institution: Stark State College of Technology

College Major: (if applicable) Applied Industrial

College Degree: (if applicable) AAS

American Welding Society, D1.1 Structural Cert, Pressure Vessel Cer. ASME Sec IX Tow Motor

Specify Industry Credential Opportunities (if applicable): License, OSHA Cert-10 Hour Safety

Certificate, Adult and/or Apprenticeship Program: (if applicable)

Secondary Program Name: Metal Fabrication

Secondary School Name: Canton South High School

District Name: Canton Local Schools

	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code
Year 1 1st Sem.	Computer Apps for Technical Professionals ECA122 (3)	RT	Introduction to Algebra MTH101 (4)	RA	College Composition ENG124 (3)	RA	Material Science MET123 (2)	RT	Blueprint Reading MST121 (2)	RT CC	Engineering Tech Seminar ETD121 (1)	RT				
Year 1 2nd Sem.	College Algebra MTH125 (4)	RA	Trigonometry MTH128 (1)	RA	Hydraulic & Pneumatic Systems MST134 (6)	RT	Electrical Circuits & Devices EST130 (4)	RT	Industrial Management Concepts IET121 (3)	RT						
Year 2 1st Sem.	Technical Report Writing ENG221 (3)	RA	Physics I Phy121 (4)	RA TAG	Eff Speak or Inter-group Comm COM121/CO M123 (3)	RA TAG	Introduction to Robotics IET228 (2)	RT	Manufacturing Processes MET225 (3)	RT						
Year 2 2nd Sem.	Mechanical Drive Components MST221 (3)	RT	Arts/Humanities/Social Science Elective	RE	Technical Electives (13)	RT	Principals of Welding MST127 (3)	RT CC	Welding Lab MST128 (3)	RT CC						

Contact Person: Don Ball
 Director, Apprenticeship & Industrial Training
Title: (HVAC & Environmental)
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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)

2010 - 2011 Program of Study - Postsecondary Semesters

Postsecondary Institution: Stark State College of Technology
College Major: (if applicable) Electrical Maintenance Technology **College Degree: (if applicable)** AAS
 American Welding Society, D1.1 Structural Cert, Pressure Vessel Cer. ASME Sec IX Tow Motor

Specify Industry Credential Opportunities (if applicable): License, OSHA Cert-10 Hour Safety

Certificate, Adult and/or Apprenticeship Program: (if applicable)

Secondary Program Name: Metal Fabrication **Secondary School Name:** Canton South High School **District Name:** Canton Local Schools

	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code
Year 1 1st Sem.	DC Circuit Analysis EET120 (4)	RT	Engineering Technology Seminar ETD121 (1)	RT	Hydraulic & Pneumatic Systems MST134 (6)	RT	Blueprint Reading MST121 (2)	RT CC	College Algebra MTH125 (4)	RA	Trigonometry MTH128 (1)	RA				
Year 1 2nd Sem.	Circuit Manufacturing Techniques EET125 (1)	RT	Electronic Devices & Circuits EET123 (4)	RT	Electrical Machines EET126 (4)	RT	Physics I PHY121 (4)	RA TAG	Computer Applications for Technical Professionals ECA122 (3)	RA	AC Circuit Analysis EET122 (4)	RT				
Year 2 1st Sem.	NEC & Electrical Systems Design EET128 (2)	RT	PLC's & Industrial Controls I EET227 (3)	RT	Mechanical Drive Components MST221 (3)	RT	Eff Speak or Inter-group Comm COM121/COM123 (3)	RA TAG	Switchgear, Transformers & Controls EST129 (2)	RT	College Composition ENG124 (3)	RA				
Year 2 2nd Sem.	PLC's & Industrial Controls II EET228 (3)	RT	Electrical/Electronic Troubleshooting EST221 (3)	RT	Technical Report Writing ENG221 (3)	RA	HVAC Principles I HVC121 (3)	RT	Technical Elective (3)	RT	Arts/Humanities/Social Science Elective (3)	RA				

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Page 3 Date Completed: 1/19/2010

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