

2010 - 2011 Program of Study - Secondary

Submitted by CTPD Name: Alliance High School

CTPD Number: 89

Secondary Program Information

Career Field: Manufacturing Technologies (MT)

School District Name: Alliance City Schools

Pathway Name: Manufacturing Production (MT)

School District IRN: 43497

Specialization Name (if applicable): Welding

Building (location) Name: Alliance High School

EMIS Subject Code: 172306

Building (location) IRN: 463

Local Program Name: Welding

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

Grade		School Name	
Courses		Credits	

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

Required or Elective Academic Courses and Other Courses											Career and Technical Education Courses					
Grade	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	Core I	RA	Perspectives in History I	RA	Industrial Technology I	RE	Engineering Drafting, Health/PE	CC RA				
10	English II	RA	Geometry	RA	Core II or Biology (Lab)	RA	Perspectives in History II	RA	Industrial Technology II	RE	Engineering Drafting	CC				
11	English III	RA	Algebra II	RA	Chemistry (Lab) or Chem. In the Community (Lab)	RA	Issues & Problems, Economics	RA RE	Spanish I or Financial Mgmt. I	RE RE	(DE) Blueprint Reading	CC	Welding I (DE) Prin of Welding	CC		
12	English IV	RA	Transition to College Math	RA	Physics (Lab)	RA	Government	RA	Spanish II or Financial Mgmt. II	RE RE			Welding II	CC		

Contact Person: Rob Gress

Title: Director of Secondary Education

Phone: 330-821-2100

E-mail: gress@acs.sparcc.org

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: Welding

Secondary School Name: Alliance High School

District Name:

Alliance City 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/COM123 (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)

Phone: 330-494-6170 x4470

E-mail: dball@starkstate.edu

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Date Completed: 1/19/2010

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: Welding Secondary School Name: Alliance High School District Name: Alliance City 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				

Contact Person: Don Ball
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CODES (use all that apply)

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