2010 - 2011 Program of Study - Secondary

Submitted by CTPD Name: Canton City Schools **CTPD Number:** 90

Secondary Program Information

Career Field: Manufacturing Technologies (MT)

School District Name: Canton City Schools **Pathway Name:** Manufacturing Production (MT)

School District IRN: 43711 **Specialization Name** *(if applicable)* **:** Integrated Systems Technology

Building (location) Name: Timken Sr. High School **EMIS Subject Code:** **171012**

Building (location) IRN: 37267 **Local Program Name:** Industrial Plant Engineering

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

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

Grade		School Name	
Courses		Credits	

	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	Integrated Science	RA	Modern American History	RA	Health/PE	RA	Foreign Language	RE				
10	English II	RA	Geometry	RA	Biology/Lab	RA	American Government	RA	Fine Arts	RE	Foreign Language	RE	Manufacturing Technologies	RA		
11	English III	RA	Algebra II or Algebra II/ Trig (DE) Alg.	RA CC	Physics/Lab (DE) Physics	RA CC	World History	RA			Foreign Language	RE	Integrated Systems Technologies	CC		
12	English IV	RA	Sr Math or Pre-Cal (DE) Pre-Calc	RE CC	Chemistry	RA			Psychology/ Sociology	RE			Integrated Systems Technologies	CC		

Contact Person: Rebecca Labowitz

Title: Coor-Career-Tech Ed

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Date Completed: 1/19/2010

Specify Industry Credential Opportunities (if applicable):

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**

Specify Industry Credential Opportunities (if applicable):

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

Secondary Program Name: Timken Sr. High School Secondary School Name: Timken Sr. High School District Name: Canton 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/COM 123 (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/Hunanities/ Social Science Elective	**RE**	Technical Electives (13)	**RT**	Principals of Welding MST127 (3)	**RT**	Welding Lab MST128 (3)	**RT**						

Contact Person: Don Ball

Title: Director, Apprenticeship & Industrial Training (HVAC & Environmental)

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Page 2 Date Completed: 1/19/2010

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

2010 - 2011 Program of Study - Postsecondary Semesters

Postsecondary Institution: **Stark State College of Technology**

College Major: (*if applicable*) **Design Engineering** **College Degree: (*if applicable*)** **AAS**

Specify Industry Credential Opportunities (if applicable):

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

Secondary Program Name: Timken Sr. High School Secondary School Name: Timken Sr. High School District Name: Canton City Schools

	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code
Year 1 1st Sem.	Engineering Drawing DET121 (3)	**RT CC**	College Composition ENG124 (3)	**RA**	Engineering Tech Seminar ETD121 (1)	**RT**	College Algebra MTH125 (4)	**RA**	Trigonometry MTH128 (1)	**RA**	Computer Apps for Technical Professionals ECA122 (3)	**RT**	Basic AutoCAD DET125 (3)	**RT**		
Year 1 2nd Sem.	Descriptive Geometry DET122 (3)	**RA**	Working Drawings DET124 (3)	**RT**	Pre-Calculus MTH126 (4)	**RA**	Physics I Phy121 (4)	**RA TAG**	Statics & Strength of Materials MET124 (4)	**RT**						
Year 2 1st Sem.	Geometric Dimensioning & Tolerancing DET226 (2)	**RT**	Eff Speak or Inter-group Comm COM121/COM123 (3)	**RA TAG**	Manufacturing Processes or Machine Tools MET225/ AIT122 (3)	**RT**	Concepts of Calculus MTH221(3)	**RA**	Desgin Elective I (CAD) (3)	**RT**	Kinematics DET223 (3)	RT				
Year 2 2nd Sem.	Technaical Project-Mechanical & Design MET226 (2)	**RT**	Machine Design MET228 (4)	**RT**	Technical Report Writing ENG221 (3)	**RA**	Arts/Hunanities/ Social Science Elective	**RE**	Desgin Elective II (CAD) (3)	**RT**						

Contact Person: Don Ball

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Page 3 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)