

“Drawing Board” for a Tech Prep Program

Technology CLUSTER				
<i>Rock Falls High School</i>				
Subject	9 th Grade	10 th Grade	11 th Grade	12 th Grade
MATH	Alg. IA Alg. I Geometry	Alg. 1A/B Alg. 1 Geometry Adv. Alg.	Alg. 1A/B Adv. Alg. Geom.	Geom. Adv. Alg.
ENGLISH/ SPEECH	English 1	English 2	Junior English Speech	Senior English
SCIENCE	Bio. 1	E/G Science	Bio. II or Chem. 1	Physics
SOCIAL STUDIES/ FINE ARTS	Civics	Area Studies W. Geog.	American History	Am. Govt. Cons. Ed Economics
(COMPUTER) TECHNOLOGY	Intro to Computers	Computer Concepts		
OTHER	PE 1 / Health	PE 2/ Dr. Ed.	PE 3	PE 4
OTHER	Spanish I French I	Spanish II French II		

Manufacturing (Career Major)			
<i>Sauk Valley Community College</i>			
Freshman		Sophomore	
MAT 106 or higher-3 hrs.			
	ENG 101- Composition I- 3 hrs.	ENG 111- Business & Technical Writing-3 hrs.	
	PHY 175- Introduction to Physics or MET 201- Technical Physics-4 hrs.		
		Social/ Behavioral Science-3 hrs.	Humanities /Fine Arts- 3 hrs.
IND 105- Industrial Computer Applications- 2 hrs.			
PSY 100- Orientation- 1 hr.		Electives: EET, ELT, IND, MET, QLT, DFT- 4 hrs.	IND 203- Machining & Manufact. Processes- 2 hrs.
EET 105- Electrical Direct Current Circuitry- 4 hrs.	EET 106- Electrical Alt. Current Circuitry- 4 hrs.	IND 207- Beginning Computer Numerical Control-3 hrs.	IND 208- Advanced Computer Numerical Control- 2 hrs.

TECHNICAL CORE	Intro. to Drafting/Woods	Intro. to Mach & Metals	Power Mechanics	Welding I Welding II
TECHNICAL CORE				
WACC OPPORTUNITY, INTERNSHIP EXP., DUAL CREDIT			WACC-Building & Construction Trades	
			WACC-Computer Technology or Partnership	

IND 116- Industrial Blueprint Reading-3 hrs.	EET 252- Industrial Electronics-3 hrs.	MET 222- Industrial Hydraulics-2 hrs.	MET 223- Industrial Pneumatics-2 hrs.
IND 125- Mach. & Manufact. Proc.-4 hrs.	ELT 262- Electrical Controls-3 hrs.		EET 245- Program. Controllers-3 hrs.
			IND 250- Industrial Internship-3 hrs.

Recommended High School Electives:

Electronics, Industrial Technology, Physics, Computer Application, Welding courses

Relevant Articulated Courses:

WACC-Building & Construction Trades-ELT 101-3 hrs.

WACC-Computer Technology-IND 105-2 hrs.

SVCC Associate in Applied Science Degree:

Manufacturing Technology

Cluster Related Careers:

Engineering Technician-\$ 35,000-40,950

Industrial Production Manager-\$ 65,000-68,550

Industrial Designer-\$ 50,000-51,120

Blue-Collar Worker's Supervisor-\$ 35,000-37,350

Industrial Machinery Mechanic-\$ 35,000-39,350