

“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		

Multicraft Technology (Career Major)			
<i>Sauk Valley Community College</i>			
Freshman		Sophomore	
	MAT 106 – Applied Math- 3 hrs.		
		ENG 101- Composition I- 3 hrs..	ENG 111- Business & Technical Communication- 3 hrs.
			PHY 175- Intro to Physics- 4 hrs.
		Humanities/ Fine Arts- 3 hrs. or Social/ Behavioral Science-3 hrs.	
IND 105- Industrial Computer Apps- 2 hrs.			
PSY 100- Orientation- 1 hr.	*SUMMER* IND 250- Industrial Inter- 1 hr.		IND 239- Industrial Communications- 3 hrs.
IND 116- Cert. Industrial Print Reading - 3 hrs.	IND 131- OSHA Standards- 1 hr.		

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	

EET 110- Intro to Digital Electronics- 4 hrs. ELT 160- Fund. of Electricity- 3 hrs.	EET 245- Programmable Controllers- 3 hrs. ELT 259- Industrial & Agricultural Wiring- 3 hrs.	ELT 262- Electrical Controls- 3 hrs. HRS 105- Refrigeration Principles- 3 hrs.	WLD 102- Shielded Metal Arc Welding- 3 hrs.
WLD 106- Welding Fundamentals- 2 hrs. *Elective- 3 hrs.	IND 218- Fluid Power- 3 hrs.	*Elective- 3 hrs.	*Elective- 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:

Multicraft Technology

SVCC Certificates:

Electronic Service Repair

Electronics: Industrial

Electronics: Microprocessor Maintenance

Heating, Refrigeration, & Air Conditioning: Entry Level Technician

Solar Energy

Welder: Advanced

Welder- Entry Level

Welding: Pipe Welding

Wind Energy Technician: Advanced

Wind Energy Technician: Basic

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

*Electives for :

Alternative Energy: ENE 102, ENE 135, ENE 140, ENE 145

Electrical: EET 252, ELT 101, ELT 261, E LT 265, IND 219

Electronics: EET 107, EET 207, EET 218, EET 261, EET 299

Welding: WLD 101, WLD 103, WLD 104, WLD 132, WLD

134, WLD 135, WLD 136, WLD 137

Wind Energy: ENE 101, ENE 120, ENE 201, ELT 265