

“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		

Sustainable Technologies (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 Communication- 3 hrs.
		PHY 175- Intro to Physics- 4 hrs.	
	Humanities/ Fine Arts- . or Social/ Behavioral Science-3 hrs.		
PSY 100- Orientation- 1 hr.			
IND 101- Cert. Manufacturing Assistant or Elective- 3 hrs.(ENE, EET, ELT, HRS, or IND)	IND 131- OSHA Standards- 1 hr.		Elective- 3 hrs.(ENE, EET, HRS, or IND)

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. ENE 140- Solar Thermal Energy- 3 hrs.	ENE 150- Energy Audit-3 hrs. HRS 105- Refrigeration Principles- 3 hrs.	ENE 102- Small Wind Energy- 3 hrs. ENE 130- Photovoltaics - 3 hrs. ENE 145- Geothermal Energy- 3 hrs.
ENE 135- Renewable Energy- 3 hrs. IND 116- Industrial Print Reading- 3 hrs.	IND 218- Fluid Power- 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:

Sustainable Technologies

SVCC Certificates:

Solar Energy

Wind Energy Technician: Advanced

Wind Energy Technician: Basic

Cluster Related Careers: