

## “Drawing Board” for a Tech Prep Program

<b>Technology CLUSTER</b>				
<i>Rock Falls High School</i>				
Subject	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
MATH	<b>Alg. IA Alg. I Geometry</b>	<b>Alg. 1B Geometry Adv. Alg.</b>	Geometry Adv. Alg. Pre-Calc.	Alg. 3/Trig.
ENGLISH/ SPEECH	<b>English 1</b>	<b>English 2 Speech</b>	<b>Junior English</b>	<b>Senior English</b>
SCIENCE	<b>Bio. 1</b>	<b>E/G Science</b>	Bio. II or Chemistry I	Physics Chemistry II
SOCIAL STUDIES/ FINE ARTS	<b>Civics</b>	W. Geog W. History	<b>American History Cons. Ed</b>	<b>Am. Govt. Economics</b>
(COMPUTER) TECHNOLOGY	<b>Introduction to Computers</b>	Computer Concepts		
OTHER	<b>PE 1 / Health</b>	<b>PE 2/ Dr. Ed.</b>	<b>PE 3</b>	<b>PE 4</b>
OTHER				
TECHNICAL CORE	Intro. to Drafting	Intro. to Mach & Metals	Power Mechanics	Welding 1 & 2

<b>Electronic Engineering Technology (Career Major)</b>			
<i>Sauk Valley Community College</i>			
Freshman		Sophomore	
<b>MAT 121-</b> College Algebra -4 hrs.	<b>MAT 122-</b> Trigonometry- 3 hrs.		
<b>ENG 101-</b> Composition I-3 hrs.			<b>ENG 111-</b> Bus. & Tech. Communicati on- 3 hrs.
	<b>Humanities/ Fine Arts-</b> 3 hrs.	<b>PHY 175-</b> Introduction to Physics- 4 hrs.	
	<b>Social/ Behavioral Science-</b> 3 hrs.		
<b>IND 105 or CIS 109-2-3</b> hrs.	<b>EET 207-</b> Advanced Circuits- 3 hrs.	<b>EET 218-</b> Microprocessor Architecture & Applications- 4 hrs.	
<b>PSY 100-</b> Orientation- 1 hr.	<b>IND 131-Intro.</b> OSHA Standards- 1hr.		<b>ENE 130-</b> Photovoltaics - 3 hrs.
<b>EET 107-</b> Intro to DC/AC Circuits.-4 hrs.	<b>EET 245-</b> Programmable Controllers- 3 hrs.	<b>EET 261-</b> Advanced Programmable Controllers- 3 hrs.	<b>IND 239-</b> Industrial Communicati ons- 3 hrs.
		<b>EET 265-</b> Power Distribution- 3 hrs.	

TECHNICAL CORE				
WACC OPPORTUNITY, INTERNSHIP EXP., DUAL CREDIT			WACC-Computer Technology I	

<b>EET 110-</b> Intro to Digital Electronics-4 hrs.	.	<b>EET 252-</b> Industrial Electronics-3 hrs.	<b>EET 256-</b> Technical Problems-3 hrs.
			<b>IND 250-</b> Industrial Internship-2 hrs.

**Recommended High School Electives:**

Electronics, Industrial Technology courses

**Relevant Articulated/Dual Courses:**

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**SVCC Associate in Applied Science Degree:  
Electronic Engineering Technology**

**Cluster Related Careers:**

Engineering Technician-\$ 45,000-47,750

Computer Engineers-\$ 64,00-66,750

Computer Equipment Repairs-\$ 30,000-32,150

Computer Programmers-\$ 55,000-59,650

Computer Security Specialist-\$ 52,00-54,850

Computer Support Specialist-\$ 40,000-41,750

Computer Systems Analyst-\$ 64,000-66,150

Computer Programming Manager-\$ 80,000-84,950