



# Science, Technology, Engineering, and Mathematics

## Cluster Level

Dual Credit Full Year Course

		Course Level		
		Introduction Course	Intermediate Course	Capstone Course
Cluster	Science, Technology, Engineering, and Math	<b>100503</b> Principles of Technology -AND- <b>100160</b> PLTW Principles of Engineering -AND- <b>100161</b> PLTW Introduction to Engineering Design		
	Engineering and Technology: Non-PLTW	<b>103191</b> Introduction to Engineering	<b>103192</b> Engineering Concepts	<b>103193</b> Engineering Applications - OR - <b>103194</b> Robotics

## Pathway Level

		Course Level		
		Introduction Course	Intermediate Course	Capstone Course
Pathway	Engineering and Technology: Civil I	<b>100160</b> PLTW Principles of Engineering	<b>100162</b> PLTW Civil Engineering and Architecture	<b>100163</b> PLTW Engineering Design and Development
	Engineering and Technology: Civil II	<b>100161</b> PLTW Introduction to Engineering Design	<b>100162</b> PLTW Civil Engineering and Architecture	<b>100163</b> PLTW Engineering Design and Development
	Engineering and Technology: Civil III	<b>100160</b> PLTW Principles of Engineering		<b>100162</b> PLTW Civil Engineering and Architecture
	Engineering and Technology: Civil IV	<b>100161</b> PLTW Introduction to Engineering Design		<b>100162</b> PLTW Civil Engineering and Architecture
	Engineering and Technology: Biotech I	<b>100160</b> PLTW Principles of Engineering	<b>100165</b> PLTW Biotechnical Engineering	<b>100163</b> PLTW Engineering Design and Development

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## Pathway Level (cont.)

 Dual Credit

Pathway	Course Level		
	Introduction Course	Intermediate Course	Capstone Course
Engineering and Technology: Biotech II	<b>100161</b> PLTW Introduction to Engineering Design 	<b>100165</b> PLTW Biotechnical Engineering 	<b>100163</b> PLTW Engineering Design and Development 
Engineering and Technology: Biotech III	<b>100160</b> PLTW Principles of Engineering 		<b>100165</b> PLTW Biotechnical Engineering 
Engineering and Technology: Biotech IV	<b>100161</b> PLTW Introduction to Engineering Design 		<b>100165</b> PLTW Biotechnical Engineering 
Engineering and Technology: Computer I	<b>100160</b> PLTW Principles of Engineering 	<b>101901</b> PLTW Computer Integrated Manufacturing 	<b>100163</b> PLTW Engineering Design and Development 
Engineering and Technology: Computer II	<b>100161</b> PLTW Introduction to Engineering Design 	<b>101901</b> PLTW Computer Integrated Manufacturing 	<b>100163</b> PLTW Engineering Design and Development 
Engineering and Technology: Computer III	<b>100160</b> PLTW Principles of Engineering 		<b>101901</b> PLTW Computer Integrated Manufacturing 
Engineering and Technology: Computer IV	<b>100161</b> PLTW Introduction to Engineering Design 		<b>101901</b> PLTW Computer Integrated Manufacturing 
Engineering and Technology: Electronics I	<b>100160</b> PLTW Principles of Engineering 		<b>100403</b> Electronics - Digital 
Engineering and Technology: Electronics II	<b>100161</b> PLTW Introduction to Engineering Design 		<b>100403</b> Electronics - Digital 
Engineering and Technology: Design I	<b>100160</b> PLTW Principles of Engineering 		<b>100163</b> PLTW Engineering Design and Development 

## Pathway Level (cont.)

 Dual Credit

		Course Level		
		Introduction Course	Intermediate Course	Capstone Course
Pathway	Engineering and Technology: Design II	<b>100161</b> PLTW Introduction to Engineering Design 		<b>100163</b> PLTW Engineering Design and Development 
	Engineering and Technology: Aerospace I	<b>100160</b> PLTW Principles of Engineering 	<b>100164</b> PLTW Aerospace Engineering 	<b>100163</b> PLTW Engineering Design and Development 
	Engineering and Technology: Aerospace II	<b>100161</b> PLTW Introduction to Engineering Design 	<b>100164</b> PLTW Aerospace Engineering 	<b>100163</b> PLTW Engineering Design and Development 
	Engineering and Technology: Aerospace III	<b>100160</b> PLTW Principles of Engineering 		<b>100164</b> PLTW Aerospace Engineering 
	Engineering and Technology: Aerospace IV	<b>100161</b> PLTW Introduction to Engineering Design 		<b>100164</b> PLTW Aerospace Engineering 
	Energy I	<b>100160</b> PLTW Principles of Engineering 	<b>100406</b> Energy Exploration	<b>100407</b> Energy Generation and Distribution
	Energy II	<b>100161</b> PLTW Introduction to Engineering Design 	<b>100406</b> Energy Exploration	<b>100407</b> Energy Generation and Distribution
	Energy III	<b>100406</b> Energy Exploration 	<b>100408</b> Green Energy 	<b>100407</b> Energy Generation and Distribution 
	Science and Math	No state model program of study is available.		