

# TECHNOLOGY EDUCATION

## Grade 9-12

FTE Program No.	Program / Course Number	Program and Course Titles	State Level	Occupational Completion Points	PS/HS Credits	Performing Fine Arts/Science/Social Studies Substitutions*		Career Cluster
300	8601900	<a href="#">Advanced Technology Applications</a>	3		Multiple (Max.=3.0)	PFA		Engineering Technology
300	8601800	<a href="#">Work-Based Experience</a>	2		Multiple (Max.=3.0)			Engineering Technology
300	8401100	<a href="#">Applied Engineering Technology</a>						Engineering & Technology Education / STEM
	8401110	Applied Engineering Technology I	3		1.0	PFA	Program Completion = 4th Science Credit	
	8401120	Applied Engineering Technology II	3		1.0	VO		
	8401130	Applied Engineering Technology III	3		1.0	PFA		
300	9410100	<a href="#">Applied Robotics</a>						Engineering & Technology Education / STEM
	9410110	Foundations of Robotics	3		1.0			
	9410120	Robotic Design Essentials	3		1.0			
	9410130	Robotic Systems	3		1.0			
300	8601100	<a href="#">Materials and Processes Tech (Aviation Technology Program)</a>						Engineering & Technology Education / STEM
	8601110	Materials and Processes Technnlogy I	2		1.0			
	8601120	Materials and Processes Technnlogy II	2		1.0			
	8601130	Materials and Processes Technnlogy III	3		1.0			
300	8601000	<a href="#">Communications Technology</a>						Engineering Technology
	8601010	Communications Technology I	3		1.0	PFA		
	8601020	Communications Technology II	3		1.0	PFA		
	8601030	Communications Technology III	3		1.0	PFA		
300	9400300	<a href="#">Engineering Pathways</a>						Engineering Technology / STEM
	8600520	Principles of Engineering	3		1.0	PFA		
	8600550	Introduction to Engineering Design	3		1.0	PFA		
	8600530	Digital Electronics	3		1.0	PFA		
	8600620	Aerospace Engineering	3		1.0	PFA		
	8600650	Engineering Design & Development	3		1.0	PFA		
300	8600200	<a href="#">Geospatial/Geographic Information Systems (GIS) Technology</a>						Information Technology / STEM
	8600260	Introduction to GIS/RS Technology	2		1.0			
	8600270	Essential GIS/RS Tools & Processes	2	A	1.0			
	8600280	GIS Analysis & Modeling	2		1.0	PFA		
	8600290	Advanced GIS Applications	2	B	1.0	PFA		

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<b>300</b>	<b>8404100</b>	<a href="#">Maritime Technology</a>					Engineering Technology / STEM
	8404110	Maritime 1	2		1.0		
	8104120	Maritime 2	2		1.0		
	8404130	Maritime 3	2		1.0		
<b>300</b>	<b>8401000</b>	<a href="#">Technical Design</a>					Engineering Technology / STEM
	8401010	Technical Design1	3		1.0	PFA	
	8401020	Technical Design 2	3		1.0	PFA	
	8401030	Technical Design 3	3		1.0	PFA	

*STEM= Science, Technology, Engineering & Mathematics*

*\* PFA = Performing & Fine Arts Credit    SC = 4th Science Credit    SS = 4th Social Studies Credit*