

**2020-2021**

**PARKLAND HIGH SCHOOL CAREER & TECHNICAL EDUCATION  
PROGRAM OF STUDY PATHWAYS TOWARDS EARNING AN ENDORSEMENT**

<b>Cluster</b>	<b>Pathway</b>	<b>9<sup>th</sup> Grade</b>	<b>10<sup>th</sup> Grade</b>	<b>11<sup>th</sup> Grade</b>	<b>12<sup>th</sup> Grade</b>	<b>Certification Opportunities</b>
Manufacturing	<b>Advanced Manufacturing and Machinery Mechanics</b>	V1050 Principles of Applied Engineering, 1 Credit L1	V1750 Robotics I, 1 Credit L2	V1450 Engineering Design and Presentation I*, 1 Credit L2	V1850 Robotics II*, 1 Credit L3	OSHA 30 Hour General Industry
<b>Cluster</b>	<b>Pathway</b>	<b>9<sup>th</sup> Grade</b>	<b>10<sup>th</sup> Grade</b>	<b>11<sup>th</sup> Grade</b>	<b>12<sup>th</sup> Grade</b>	<b>Certification Opportunities</b>
Science Technology Engineering & Mathematics	<b>Engineering</b>	V3350 Introduction to Engineering Design (PLTW), 1 Credit L1	V3150 Engineering Science*, 1 Credit L3	V5450 Civil Engineering & Architecture (PLTW), 1 Credit L3 and/or V3250 Digital Electronics*, 1 Credit L3	V3000 Engineering Design and Problem Solving*, 1 Credit L4 and/or V5650 Engineering Design and Development (PLTW), 1 Credit L3	Autodesk Certified User in AutoCAD Autodesk Certified User in Revit Architecture
	<b>Programming and Software Development</b>	V5850 Fundamentals of Computer Science, 1 Credit L1	V5750 Computer Science I, 1 Credit L2	C2010 Computer Science I, 1 Credit L3	V230K Introduction to C# Programming Applications On Ramps DE, 1 Credit L3	CompTIA Network+ CompTIA A+ CompTIA Security+

\* see course guide for prerequisite requirements