



2020-2021

DEL VALLE HIGH SCHOOL CAREER & TECHNICAL EDUCATION
PROGRAM OF STUDY PATHWAYS TOWARDS EARNING AN ENDORSEMENT

Cluster	Pathway	9 th Grade	10 th Grade	11 th Grade	12 th Grade	Certification Opportunities
 Manufacturing	Advanced Manufacturing and Machinery Mechanics VEX-FRC Robotics-T-STEM	V1050 Principles of Applied Engineering, 1 Credit L1	V1450 Engineering Design and Presentation I*, 1 Credit L2	V1750 Robotics I, 1 Credit L2	V1850 Robotics II*, 1 Credit L3	Autodesk Certified OSHA 30 Hour General Industry ROBOT C Perf Ack.
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 Science, Technology, Engineering & Mathematics	Engineering T-STEM	V3350 Introduction to Engineering Design (PLTW), 1 Credit L1	V1450 Engineering Design and Presentation I*, 1 Credit L2	V3150 Engineering Science*, 1 Credit L3	V3000 Engineering Design & Problem Solving*, 1 Credit L4 and/or V2500 Scientific Research and Design, 1 Credit L4	Autodesk Certified User in AutoCAD Autodesk Certified User in Revit Architecture
	Programming and Software Development T-STEM	V5850 Fundamentals of Computer Science, 1 Credit L2	V5750 Computer Science I, 1 Credit L2	C2010 Computer Science II, 1 Credit L3 or V5700 AP Computer Science Principles, 1 Credit L2	V230K Introduction to C# Programming Applications On Ramps DE, 1 Credit L3	Microsoft Technology Associate (MTA) Introduction to Programming Using Java Microsoft Technology Associate (MTA) Introduction to Programming