

# Science, Technology, Engineering, and Mathematics (STEM) Endorsement

## STEM Cluster (CTE)

### Digital Electronics Pathway - PLTW

Digital Electronics is the study of electronic circuits used to process and control digital signals. The major focus is the design process applied to the use of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation by analyzing, designing and building fundamental digital electronic circuits.

#### Technical Certification: AutoDesk Inventor

	CR	Course ID
Introduction to Engineering Design (IED)	1.0	CST51 A/B
Principles of Engineering	1.0	CST52 A/B
Digital Electronics **	1.0	CST53 A/B
<b>Engineering Design and Problem Solving *</b>	1.0	CST58 A/B
<b>OR Internship in Digital Electronics</b>	2.0	CPG81 A/B
<b>Total Credits</b>	<b>4 or 5</b>	

\* Satisfies 3rd Year Science Graduation Requirement

\*\* Satisfies 3rd Year Mathematics Graduation Requirement