Science, Technology, Engineering & Math

Endorsement: STEM

Robotics I 1856CT (9-12) Computer Science I (PLTW)

1050CT

Prerequisite: Algebra I

(9-12) LOTE Credit

Principles of
Applied Engineering
1610A/B

(9-12)

Gateway to Technology (PLTW)
(8th grade only)

This course can count toward an endorsement in STEM

OSHA
Certification
Possible

AC/DC Electronics

1841CT

Prerequisite: Geometry or concurrent (10-12)

Computer Science II (PLTW)

1051CT

Prerequisite: Computer Science I
(9-12) LOTE Credit

Introduction to Engineering Design (PLTW)

1835CT

Prerequisite: Geometry AND Robotics I OR Computer Science I

(9-12) Weighted Credit

Solid State Electronics

1843CT

Prerequisite: AC/DC Electronics (10-12)

Can count as advanced course if 2 prior credits in STEM

FAA Certified Commercial Drone Pilot Possible Edu-Drone I 1860CT

Prerequisite: Algebra I AND Must be 16 years old with DL before the end of the semester (11-12)

Principles of Engineering (PLTW)

1836CT

Prerequisite: Geometry AND Chemistry OR IPC AND Intro to E Design (10-12)

Science Credit/Weighted Credit

Aerospace Engineering (PLTW)

1834CT

Prerequisite: Principles of Engineering (10-12) Weighted Credit

Computer Integrated Manufacturing (PLTW)

1838CT

Prerequisite: Intro to Engineering AND Principles of Engineering (10-12) Weighted Credit

Engineering Design & Development

1845CT

Prerequisite: Computer Integrated Manufacturing OR Aerospace Engineering (11-12) Weighted Credit

Certification Requirement

The district will pay 100% of the cost of the certification test if students can show mastery by:

Passing a certification practice test

Maintaining an 80+ overall course average at the time of the certification test

If students don't meet the requirements above, they must pay 100% of the cost of the certification test



Certificate of Excellence can be earned for this course.

LEGEND						To earn an endorsement, an
Fill Color	Length	Credit	Fill Color	Length	Credit	MISD student must complete a coherent sequence for 4 or
	18 weeks	1		HC - 18 weeks	0.5	more credits that consist of 2
	36 weeks	2-3		HC - 36 weeks	1	courses in the same program of study including at least 1
	College Course			Advanced Course		advanced CTE course