S = Standard Course
MNTC ONLY = Only offered at MNTC Campus

Pre-Engineering Courses

	NOTES	GRADE						
		6th	7th	8th	9th	10th	11th	12th
GATEWAY TO TECHNOLOGY:* **ENERGY & ENVIRONMENT**	9 weeks	S						
GATEWAY TO TECHNOLOGY:* **Flight and Space**	9 weeks or 1 Semester (at 8th grade only)	S		S				
GATEWAY TO TECHNOLOGY:* **MAGIC OF THE ELECTRON**	1 Semester		S					
GATEWAY TO TECHNOLOGY: * **AUTOMATION & ROBOTICS**	1 Semester		S					
GATEWAY TO TECHNOLOGY:* **SCIENCE & TECHNOLOGY**	1 Semester			S				
GATEWAY TO TECHNOLOGY: * **DESIGN & MODELING**	1 Semester			S				
ENGINEERING ESSENTIALS (PLTW)	Full Year completion of Pre-Algebra with an A or B NHS 9th Grade Only				S			
CP INTRODUCTION TO ENGINEERING & DESIGN (PLTW)	Full Year at HS by application (MS Courses are not a prereq) Meets 1 credit for the Computer Technology requirement**				S	MNTC Only	MNTC Only	
CP PRINCIPLES OF ENGINEERING (PLTW)	Full Year at HS by application (MS Courses are not a prereq) Meets 1 credit for the Computer Technology requirement**					S	MNTC Only	MNTC Only
AEROSPACE ENGINEERING							MNTC Only	MNTC Only
COMPUTER SCIENCE ENGINEERING							MNTC Only	MNTC Only
COMPUTER INTEGRATED MANUFACTURING							MNTC Only	MNTC Only
DIGITAL ELECTRONICS							MNTC Only	MNTC Only
ENGINEERING DESIGN & DEVELOPMENT (CAPSTONE)	MNTC Approval Required						MNTC Only	MNTC Only

Gateway to Technology course offerings at each Middle School site are based on teacher certifications.
**Some of the above courses meet the graduation requirement for Computer Technology however two credits of world language are recommended for NCAA student athletes and for students planning to attend out-of-state colleges.*