

**MILBY STEM INSTITUTE (MSI) MAGNET PROGRAM \***

**Computing Science Strand**

<b>9th Grade</b>	<b>10th Grade</b>	<b>11th Grade</b>	<b>12th Grade</b>
Concepts of Engineering & Technology	Robotics	Principles of Technology	AP Computer Science
Biology PreAP	Chemistry PreAP	Physics PreAP	Engineering Mathematics
Algebra I Magnet/PreAP or Geometry Magnet/PreAP	Geometry Magnet/PreAP or Algebra II Magnet/PreAP	Algebra II Magnet/PreAP or Pre-Calculus	Pre-Calculus or AP Calculus
English I Magnet/PreAP	English II Magnet/PreAP	English III Magnet/PreAP or AP English Language	English IV Magnet/PreAP or AP English Literature
World Geography Magnet/PreAP	World History Magnet/PreAP	U.S. History Magnet/PreAP	U.S. Government and Economics (AP) or AP Human Geography
Spanish or French I	Spanish or French II (PreAP)	Spanish or French III (PreAP) or AP Spanish	AP Spanish Literature or Academic Elective
Physical Education and Communication Applications	Fine Art	Health and Physical Education	Scientific Research & Design or Elective
Environmental Science	Elective	Elective	Elective

\* The courses above represent the typical MSI four year plan. With counselor assistance, students may individualize their choices with Advanced Placement or elective courses where appropriate. JROTC, Athletics, Theater, Music, Dance, Technology are just a few additional options.