**CEMS Four Year Plan**

**9th Grade**

**10th Grade**

|  |  |  |
| --- | --- | --- |
| Math | Math | PE I |
| Science | Science | PLTW Intro Engineering Design |
| PLTW Intro Engineering Design | CompSkills for Engineers | Civics |
| Geography | English 9 | English 9 |
| Elective | Elective | Elective |

 **11th Grade**

|  |  |  |
| --- | --- | --- |
| Math | Math | Elective |
| Science | Science | CEMS\* Elective |
| CEMS\* Elective | English 11 | English 11 |
| World History | World History | Elective |
| Elective | Elective | Elective |

|  |  |  |
| --- | --- | --- |
| Math | Math | PE II |
| Science | Science | PLTW Principles of Engineering  |
| PLTW Principles of Engineering | Programming Option | US History |
| US History | English 10 | English 10 |
| Health | Elective | Elective |

**12th Grade**

|  |  |  |
| --- | --- | --- |
| Math | Math | Law & Politics |
| Science | Science | Economics |
| CEMS Research | CEMS Research | English 12 |
| English 12 | Elective | Elective |
| Elective | Elective | Elective |

**Programming Option**:

* HTML
* Business Tech /Web Design
* Comp Prog
* AP Comp Prog
* Video Game Design
* Digital Electronics (2 tri’s)
* Computer Science & Software Engineering (2 tri’s)

**CEMS \*- PLTW options**

* Digital Electronics
* Biotechnical Engineering
* Civil Engineering & Architecture
* Aerospace Engineering
* CEMS Mobile Apps/AP Computer Programming
* Computer Integrated Manufacturing (STEP)
* Computer Science & Software Engineering

**Graduation Honors:**

**CEMS Scholar**

Complete three PLTW courses, four Math/Science courses, and CEMS Research.

**CEMS High Scholar**

Complete four PLTW courses, four Math/Science courses, and CEMS Research.