



## Greenspire Early Middle College

### Northwestern Michigan College's Engineering Technology / Marine Technology, Associate of Applied Science

*A Partnership of Greenspire High School & Northwestern Michigan College's Great Lakes Water Studies Institute*

#### **ENGINEERING TECHNOLOGY / MARINE TECH PROGRAM ENROLLMENT STANDARDS**

- A student's cumulative GPA must be above 3.3 at Greenspire High School
- Families must provide their own transportation or use public transit to the NMC campus for in-person courses unless they are held at the University Center.
- Student NMC courses will only be paid for when taken during the GHS school year. (NMC Fall: August-December and Spring: January-May Semesters, with the exception of WSI 200 in the 12th-grade year)
- GHS Students must pass their courses with a 1.0 or higher at NMC for The Greenspire District to pay for the course. If a GHS student does not pass the course with a 1.0 or higher, course payment defaults to the student's primary guardian/parent of record. \*
- The Greenspire School is provided access to all NMC/GHS dual-enrolled student information and records. However, GHS will not monitor students during their NMC courses once per semester (October and March) to review their status in the program and plan for the following semester
- EMC Students are required to attend EMC Council meetings on Fridays once a month
- When students complete their college course(s) for the semester, they are required to participate in one of the following activities for one class period per day: Act as student tutors or teaching assistants, Work on a school improvement project, or Work on a mini-personal curriculum project or an approved online course

*\*Typically a 2.0 is required to transfer credits to another college or university. Transfer credits are at the discretion of the institution transferring in the credits. Please see that institution's policy for more information.*

## Course Sequence

Year 1 9 <sup>th</sup> Grade	Year 2 10 <sup>th</sup> Grade	Year 3 11 <sup>th</sup> Grade	Year 4 12 <sup>th</sup> Grade	Year 5 13 <sup>th</sup> Grade  Fall Semester	Year 5 13 <sup>th</sup> Grade  Spring Semester
<ul style="list-style-type: none"> <li>● Algebra I, Geometry, or Algebra II</li> <li>● Exploratory Pathway Seminar</li> <li>● US History</li> <li>● American Literature</li> <li>● Environmental Biology</li> <li>● Digital Arts and Technology I &amp; II</li> <li>● Outdoor Physical Education</li> <li>● Spanish I</li> </ul>	<ul style="list-style-type: none"> <li>● Geometry, Algebra II, or Trig/ Pre-Calculus</li> <li>● Pathway Seminar</li> <li>● World History</li> <li>● World Literature</li> <li>● Health</li> <li>● Chemistry</li> <li>● Spanish II</li> <li>● Outdoor Education</li> </ul> <p>**EDU 100 (2)</p>	<ul style="list-style-type: none"> <li>● GHS MT Seminar</li> <li>● 2 WK Internship</li> <li>● English 11: Technical Writing</li> </ul> <p>** MTH 111 (4)</p> <p>** ENG 111(4)</p> <p>** GEO 115 (3)</p> <p>** EET 102 (2) <b>or</b></p> <p>WSI 106 (3)</p> <p>** EET 103 (3)</p>	<ul style="list-style-type: none"> <li>● GHS MT Seminar</li> <li>● History and Ethics of Environmentalism or Global Citizenship</li> <li>● Personal Finance</li> </ul> <p>** MTH 121 (4)</p> <p>** EET 204 (3)</p> <p>** ENG 220 (3)</p> <p>** DD170 (4)</p> <p>** ENV 117 <b>or</b></p> <p>PHY 105 (4)</p> <p>** WSI 200 (3) <i>WSI 200 is a Summer Course</i></p>	<ul style="list-style-type: none"> <li>● GHS MT Mentorship</li> </ul> <p>** EET 260 (3)</p> <p>** WSI 210 (3)</p> <p>** WSI 240 (3)</p> <p>** RAM 155 (3)</p>	<ul style="list-style-type: none"> <li>** ENV 131 (4)</li> <li>** RAM 205 (3)</li> <li>** WSI 215 (3)</li> <li>** PHL 105 (3)</li> <li>** MFG 104 (3)</li> </ul>
	2 college credits	16/17 college credits	21 college credits	12 college credits	16 college credits

● Greenspire High School Course

\*\* = Courses taken at NMC for high school & college credit

## NMC Course Titles

DD 170 - CADD/Computer Modeling	EET 102 - Intro to Engineering Tech	ENG 111 - English Composition	GEO 115 - Intodurction to GIS	MFG 104 - Fluid Power	WSI 106 - Intro to Water Quality
EDU 100 - College Success	EET 103 - Electrical Studies I	ENG 220 - Technical Writing	PHL 105 - Critical Thinking	MTH 111 - Intermediate Algebra	WSI 200 - GL Research Technologies
	EET 204 - Electrical Studies II	ENV 117 - Meteorology & Climatology	PHY 105 - Physics of the World Around Us	MTH 121 - College Algebra	WSI 210 - Underwater Acoustics and Sonar
	EET 260 - System Engineering in Practice	ENV 131 - Oceanography	PSY 100 - Career Exploration and Planning	RAM 155 - Microcontroller Programming	WSI 215 - Marine GIS & Data Processing
				RAM 205 - Microcontroller Systems	WSI 240 - ROV Systems and Operations

[View NMC Full Course Descriptions](https://catalog.nmc.edu/course--outlines/) - or- at <https://catalog.nmc.edu/course--outlines/>

*All listed courses are subject to change. Changes are based on NMC course availability, GHS teacher certifications, GHS or NMC program/pathway changes, and GHS curriculum adaptations. We cannot guarantee that our programs will follow this exact course schedule.*

*Greenspire High School reserves the right to make changes to the required high school courses in the above course sequence*

*Northwestern Michigan College reserves the right to make changes to the required college courses in the above course sequence. NMC courses may be substituted with approval from NMC's Great Lakes Institute Director*