



## Courses and Pathways

At Greenspire High School, all 9th and 10th grade students participate in required Michigan Merit Curriculum Courses. When they approach their 11th grade year, the coursework will depend heavily on their pathway selection: Community Leadership, Agri-Science, Architecture and Engineering, Career Tech Center, or Freshwater Studies. It is at this level that students focus on their interests and future goals. We strive to individualize programming whenever possible to meet the needs, skills, and interests of our students.

### Graduation Requirements

|                       |           |
|-----------------------|-----------|
| English Language Arts | 4 credits |
| Mathematics           | 4 credits |
| Social Studies        | 4 credits |
| Science               | 4 credits |

|                                     |           |
|-------------------------------------|-----------|
| World Language                      | 2 credits |
| Arts                                | 1 credit  |
| P.E./Health                         | 1 credit  |
| Interdisciplinary Studies (Seminar) | 2 credits |

Twenty-two credits is the minimum requirement for graduation. All courses must be taken at the school (or a school that the school recognizes in case of transfers), or through dual-enrollment courses at NMC.

## 9th Grade Courses

Algebra I, Geometry\*, or Algebra II\*  
Exploratory Seminar  
US History  
American Literature  
Biology  
Digital Arts and Technology  
Physical Education and Health  
Spanish I\*\*  
Personal Contract Learning\*

## 10th Grade Courses

Geometry, Algebra II\*, or Trig/Pre-Calculus\*  
Pathway Seminar  
World History  
World Literature  
Chemistry  
Spanish II\*\*/\*  
**NMC EDU 100 – College Success Course or PSY 100 – Career Exploration & Planning\*\*\***  
Outdoor Education Courses  
Electives or Personal Contract Learning based on Pathway\*

\* Prerequisites and/or Administrative Approval required

\*\* Other online options also available

\*\*\* Optional depending on pathway






**Yellow** = NMC Course      **Black** = Greenspire General Studies Course

*All courses listed on this document 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 program will follow this exact course schedule and/or offerings.*

## 11th Grade Courses

### Pathways Begin

*\*This pathway is a draft  
& will be finalized by Fall '22*

| NMC Freshwater & Marine Technology<br>Early Middle College<br> | Agri-Science<br> | Community Leadership<br> | Career Tech Center<br> | Architecture and Engineering<br>    |
|---|---|---|---|--|
| FMT Seminar   | AG Seminar  | CL Seminar  | CTC Seminar @ GHS   | AE Seminar   |
| 2 WK June Internship  | 2 WK March Internship   | 2 WK March Internship   | Coursework @CTC   | 2 WK March Internship  |
| MTH 111/ENG 111<br>(must take Accuplacer Exam)  | Algebra II, Trig/Pre-Calc, or <span style="background-color: #ffc107;">MTH 105</span>             | Algebra II, Trig/Pre-Calc, or <span style="background-color: #ffc107;">MTH 111</span>                     | Math Credit achieved within CTC Program   | Algebra II, Trig/Pre-Calc, or <span style="background-color: #ffc107;">MTH 111 or 121</span>                           |
| GEO 115/<br>WSI 200 (Spring)  | Civics/Economics  | Civics/Economics  | Civics/Economics  | Civics/Economics   |
| English 11: Technical Writing   | English 11: Technical Writing   | English 11: Technical Writing   | ELA Credit achieved within CTC Program  | English 11: Technical Writing  |
| EET 102/EET 103   | Environmental Science   | Environmental Science   | Environmental Science   | Environmental Science  |
| Additional Coursework @NMC  | Fall: Principles of Agri-Science<br>Spring: Environmental Ethics                                  | Fall: Principles of Community Leadership<br>Spring: Public Speaking                                       | Coursework @CTC   | Fall: Principles of Architecture and Engineering<br>Spring: <span style="background-color: #ffc107;">Phl 105***</span> |
| Spanish III* optional   | Spanish III*/** optional  | Spanish III*/** optional  | WL Credit achieved within the CTC program   | Spanish III*/** optional   |

*Additional electives will be assessed and assigned based on student programming needs*

**KEY**

\* = Prerequisites and/or Administrative Approval required

\*\*= other online options also available

\*\*\* = can substitute for EGR 113 at NMC with approval

Yellow = Northwestern Michigan College Course

Dark Blue = Greenspire FMT Studies Course

Purple = Greenspire Community Leadership Course

Black = Greenspire General Studies Course

Bright Blue = Career Technology Center Course

Green = Greenspire Agri-Science Course

Gray = Greenspire Engineering and Architecture Course

## 12th Grade Courses

| <b>NMC Freshwater &amp; Marine Technology</b><br>Early Middle College<br> | <b>Agri-Science</b><br>                                     | <b>Community Leadership</b><br>                             | <b>Career Tech Center</b><br>                  | <b>Architecture and Engineering</b><br>                     |
|---|---|---|--|---|
| <b>FMT Seminar</b>  | <b>AG Seminar</b>   | <b>CL Seminar</b>   | <b>CTC Seminar</b>                             | <b>AE Seminar</b>   |
| <b>MTH 121/EET 204</b>  | <b>MTH 111</b> , Personal Finance, or Calculus              | <b>MTH 111</b> , Personal Finance, or Calculus              | <b>Math Credit achieved within CTC Program</b> | <b>MTH 131</b> , Personal Finance, or Calculus              |
| <b>ENG 220/DD170</b>  | ENG 12: Survey of Classic and Modern Lit. or <b>Eng 111</b> | ENG 12: Survey of Classic and Modern Lit. or <b>Eng 111</b> | <b>ELA Credit achieved within CTC Program</b>  | ENG 12: Survey of Classic and Modern Lit. or <b>Eng 111</b> |
| Psychology/<br>Sociology  | Psychology/<br>Sociology                                    | Psychology/<br>Sociology                                    | Psychology/<br>Sociology                       | Psychology/<br>Sociology                                    |
| <b>ENV 117/<br/>MFG 104/<br/>PHY 121</b>                                  | Physics   | Physics   | Physics  | Physics   |
| <b>FMT Mentorship<br/>WSI 200 (Spring)</b>                                | <b>Botany/Soil Management &amp; Crop Production</b>         | <b>Public Advocacy and Comm./ Intro. to Business***</b>     | <b>Coursework @CTC</b>                         | <b>ECO 201<br/>SOC 201</b>                                  |
| <b>Additional Coursework @NMC</b>   | Spanish IV*/**<br><i>optional</i>                           | Spanish IV*/**<br><i>optional</i>                           | Spanish IV*/**<br><i>optional</i>              | Spanish IV*/**<br><i>optional</i>                           |

*Additional electives will be assessed and assigned based on student programming needs*

**KEY**

\* = Prerequisites and/or Administrative Approval required

\*\* = other online options also available

\*\*\* = can substitute for SOC 201 at NMC

**Yellow** = Northwestern Michigan College Course

**Dark Blue** = Greenspire FMT Studies Course

**Purple** = Greenspire Community Leadership Course

**Black** = Greenspire General Studies Course

**Bright Blue** = Career Technology Center Course

**Green** = Greenspire Agri-Science Course

**Gray** = Greenspire Engineering and Architecture Course

## 13th Year Freshwater & Marine Technology Early Middle College Courses

*\*NMC Courses for FMT Early Middle College pathway are a draft & will be finalized by the start of the 2022-2023 school year*

All GHS Freshwater and Marine Technology students are required to participate in a 13th year of coursework due to the rigor of these courses. At the end of the 13th year, they receive a GHS diploma with a GHS Freshwater & Marine Technology Endorsement and an NMC Associate's Degree in Marine Technology.

All Freshwater and Marine Technology students participate in their 12th grade graduation ceremony and all other senior year events. During the 13th year, they spend their time at NMC, only taking one required course through GHS. They have regular meetings with their GHS mentor teacher.

ENV 131  
RAM 155  
RAM 205  
EET 260  
WSI 210, 215, 240  
PHL 105  
GHS FMT Mentorship

### KEY

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Black = Greenspire General Studies Course

Dark Blue= Greenspire FWMT Course

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