

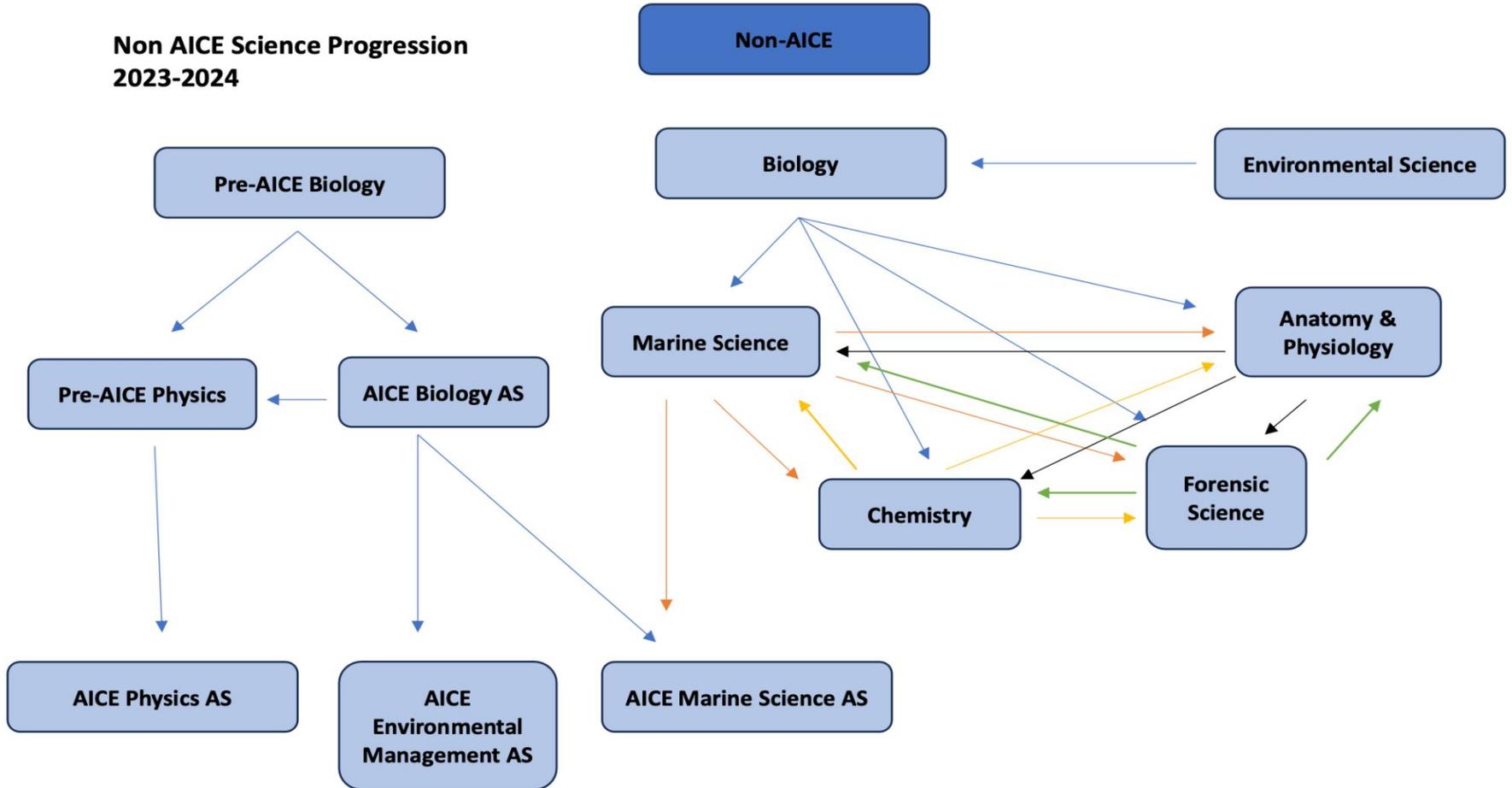


# Science Course Selection Student Profile

MHS 2024-25

**3 Sciences Required for Graduation**

# Non AICE Science Progression 2023-2024



# Environmental Science

## Student Academic Behavior Profile:

Evelyn Environmental usually earned a 1 or 2 on the Reading FAST test.

Sometimes, Evelyn's lack of effort hurts performance. Sometimes Evelyn works hard, but has lagging skills and gaps from prior grade.

Evelyn rarely studies or does homework outside of school.

## Pathway

Not Required

## Pre-Requisite Courses

None

# Biology

## Student Academic Behavior Profile:

Brittany Biology usually earned a 2 or 3 on the Reading FAST test.

Brittany's effort and performance can be inconsistent, but usually gets the job done in the end.

Brittany will sometimes study or do homework outside of school.

### Pathway

Required - Regular Bio OR Pre-AICE Bio

### Pre-Requisite Courses

ENVIRONMENTAL SCIENCE

# Forensic Science - Mr. Grimes, Mrs. Green, Mrs. Alred (current teachers)

## Student Academic Behavior Profile:

Frank Forensics is interested in the subject and enjoys group projects. Frank will sometimes study or do homework outside of school.

## Possible Careers:

Investigator, DNA Analyst, Criminalist, Computer Analyst, Anthropologist, Entomologist, Dentistry & Odontology, Engineer, Medical Examiner, Pathologist, Sketch Artist

## Pathway

Bio/Pre-AICE Bio - Marine OR Forensics OR Earth Space OR Honors Anatomy & Physiology

## Pre-Requisite Courses

Required: Biology or Pre-AICE Biology

# Marine Science - Mr. Feist, Ms. Hall (current teachers)

## Student Academic Behavior Profile:

Martha is interested in Marine Science. Martha likes the ocean, marine animals, and is curious about current environmental topics. Martha will sometimes study or do homework outside of school.

## Possible Careers:

Research scientist, aquaculture technician, aquarist, fisheries biologist, phycologist, conservationist, professor, marine biologist, environmental planner, aquatic land manager, oceanographer, wildlife biologist, coastal engineer, charter boat captain

## Pathway

Bio/Pre-AICE Bio - Marine OR Forensics OR Earth Space OR Honors Anatomy & Physiology

## Pre-Requisite Courses

Required: Biology or Pre-AICE Biology

# Earth/Space Science - NEW!!

## Student Academic Behavior Profile:

Ethan demonstrates enthusiasm for learning about Earth and Space Science topics; such as geology (rocks), meteorology (weather), oceanography, astronomy (stars/planets) and natural disasters. Ethan will sometimes study or do homework outside of school.

## Possible Careers:

Military, astronaut, atmospheric scientist, geologist, aerospace engineer, geophysicist, meteorologist, ecologist, hydrologist, climatologist, seismologist, GIS specialist, paleontologist, soil science and science policymakers.

## Pathway

Bio/Pre-AICE Bio - Marine OR Forensics OR Earth Space OR Honors Anatomy & Physiology

## Pre-Requisite Courses

Required: Biology or Pre-AICE Biology

# Honors Anatomy & Physiology - Mrs. Alred (current teacher)

## Student Academic Behavior Profile:

Adam Peters is interested in learning about the human body and would like an Honors class to boost their GPA. Adam likes hands on learning and is interested in the medical field.

## Possible Careers:

Doctors, nurses, physician assistant, dentist, nurse practitioner, phlebotomist, x-ray technicians, physical therapists, occupational therapist and many more!

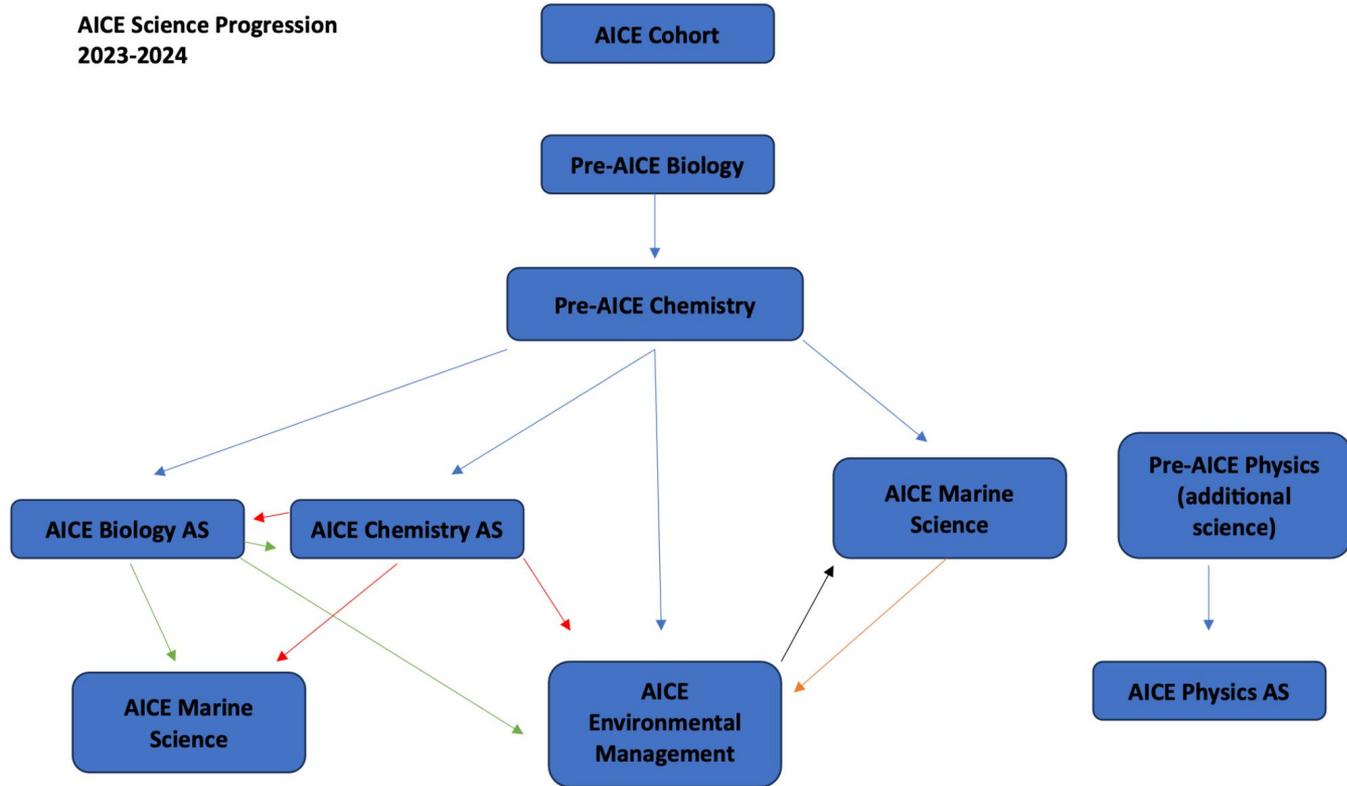
## Pathway

Bio/Pre-AICE Bio - Marine OR Forensics OR Earth Space OR Honors Anatomy & Physiology

## Pre-Requisite Courses

Required: Biology or Pre-AICE Biology

**AICE Science Progression  
2023-2024**



# Pre-AICE Biology

## Student Academic Behavior Profile:

Patty earned a 3, 4 or 5 on the Reading FAST test.

Patty's effort and performance are consistent and strong. Patty has good academic practices like note taking and problem solving.

Patty will almost always study or do homework outside of school.

### Pathway

Required - Regular Bio OR Pre-AICE Bio

### Pre-Requisite Courses

None

# Pre-AICE Chemistry - Mrs. Harmon and Mr. Carlill (current teachers)

## Student Academic Behavior Profile:

Carl Chemistry usually earned a 3, 4 or 5 on the Biology EOC.

Carl's effort and performance are consistent and strong. Carl has good academic practices like note taking and problem solving.

Carl will almost always study or do homework outside of school.

### Pathway

Pre-AICE Bio - Pre-AICE Chemistry

### Pre-Requisite Courses

Pre-AICE Biology

# Pre-AICE Marine Science - Mr. Feist (current teacher)

## Student Academic Behavior Profile:

Mary Science usually earned a 3, 4 or 5 on Biology EOC

Mary's effort and performance are consistent with good academic practices like note taking and problem solving. Mary should be a self starter and work well within a group.

## Pathway

Pre-AICE Biology - Pre-AICE Chemistry - Pre-AICE Marine

## Pre-Requisite Courses

Pre-AICE Biology and preferably Pre-AICE Chemistry

# Pre-AICE Physics - Mr. Koehler (current teacher)

## Student Academic Behavior Profile:

Paula Physics usually earned a 3, 4 or 5 on the Biology EOC.

Paula's effort and performance are consistent and strong. She has good academic practices like note taking and problem solving.

Paula will almost always study or do homework outside of school.

Paula is considering a career in the engineering, science, the military or trade schools.

## Pathway

Pre-AICE Biology / Pre-AICE Chemistry

## Pre-Requisite Courses

Pre-AICE Biology or any AICE Science

# AICE Biology - Mr. Gledhill (current teacher)

## Student Academic Behavior Profile:

Brecken Biology has taken both Pre-Aice Biology and Pre-AICE Chemistry and is still interested in learning more about Biology.

Brecken wishes to dive deeper into complex biological topics, develop effective skills for scientific communication, and apply this knowledge in a practical setting.

Brecken is inquisitive, will work hard both in class and outside of school and has a genuine interest in the subject.

## Pathway

Pre-AICE Biology - Pre-AICE Chemistry

## Pre-Requisite Courses

Pre-AICE Biology

Pre-AICE Chemistry (Preferred)

# AICE Environmental Management - Mr. Feist (current teacher)

## Student Academic Behavior Profile:

Joey has successfully completed several previous AICE courses, and enjoys learning about ways to protect our environment. Specifically, Joey wants to learn about ways to manage the resources we use, how we use water, and how we can protect the atmosphere and ozone layer.

Joey should have a good foundational understanding of ecology and biology basics, and generally enjoy science classes. Joey should also know this class is mostly research based, and not a very lab-heavy class.

## Pathway

See flow chart

## Pre-Requisite Courses

See flow chart

# AICE Marine Science - Mr. Feist (current teacher)

## Student Academic Behavior Profile:

Sara enjoys science, and has a special passion for learning about our oceans. Sara is undaunted and knows that the curriculum for AICE marine is quite large and will require nightly homework - she's okay with that.

Some topics Sara is looking forward to learning about include ocean water chemistry, physical oceanography, marine geology, marine biology, and marine ecology. Sara will also have to create graphs, and produce biological drawings, but she's excited about that as she's a very hard worker.

### Pathway

See flow chart

### Pre-Requisite Courses

See flow chart

# AICE Physics - Mr. Koehler (current teacher)

## Student Academic Behavior Profile:

Max Physics usually earned a 4 or 5 on the Biology EOC.

His effort and performance are consistent and strong. Max has good academic practices like note taking, problem solving and critical thinking skills.

Max will almost always study or do homework outside of school.

He is on a clear path for a career in the engineering, science, the military or trade schools.

## Pathway

Pre-AICE Physics or taken in parallel (for advanced seniors)

## Pre-Requisite Courses

Pre-AICE Biology or any AICE Science, advanced math

# AICE Chemistry - Mr. Carlill (current teacher)

## Student Academic Behavior Profile:

Max Chemistry passed Pre-AICE chemistry with an A.

His effort and performance are consistent and strong. Max has good academic practices like note taking, problem solving and critical thinking skills.

Max will almost always study or do homework outside of school.

He is on a clear path for a career in the engineering, science, the military or trade schools.

### Pathway

Pre-AICE Chemistry

### Pre-Requisite Courses

Pre-AICE Biology, Pre-AICE Chemistry, advanced math