

MTHS HONORS ACADEMY PROGRAM UPDATES

FALL 2021



MONROE TOWNSHIP HIGH SCHOOL | HONORS ACADEMY PROGRAMS

WHAT IS AN ACADEMY?

At Monroe Township High School, we recognize the importance of exploring career opportunities as part of a complete learning experience. Our Academies are designed to meet the needs of students who have a clear and definitive interest in STEM (science, technology, engineering, and/or mathematics) or Business.

An academy program has been designed to prepare students for a competitive post-secondary education by placing students in various honors and Advanced Placement courses as part of an academic cohort.

Educators will support students in the program by providing cross-curricular educational experiences, using career content-related examples in instruction as appropriate, establishing connections to the career through community outreach, and providing a mentoring framework for students.



ACADEMIC PROGRAMS

STEM Academy

- Biomedical (Honors & Advanced Tracks)
- Computer Science
- Engineering (Project Lead the Way)

Business Academy

- Business Management
- Economics & Finance
- Marketing



STEM Program Features & Benefits

- Cohorted core academic classes
- Mentoring Framework
- Digital Portfolio Feedback
- Fall / Spring Workshops
- Field Trips
- Extracurricular Activities
- External Partnerships *
- Internship Opportunities **
- AP Capstone diploma eligible **
- Pre-AP LAL courses ***
- World Language pathway ***

3-year program
Class of 2022, 2023, 2024, 2025

4-year program
Class of 2026 and beyond

*Introduced Fall 2020

**Introduced Fall 2021

***Planned introduction Fall 2022



STEM | Biomedical Advanced Track

SAMPLE SCHEDULE

AP Biomedical Track	9th	10th	11th	12th
LA	PreAP I	PreAP II	AP LA III	H LA IV
Math	H Alg II	H PreCalc	AP Calc A/B *	AP Calc B/C or AP Stats
Science	AP Biology *	AP Chem *	AP Physics I	Honors A&P
SS	H World History	AP U.S. I	AP U.S. II	~open~
WL	H Spanish II or Alt Pathways	H Spanish III or Alt Pathways	H Spanish IV or Alt Pathways	AP Spanish or Alt Pathway**
PE/Health	PE/Health	PE/Health	PE/Health	PE/Health
7th Block	AP Biology *	AP Chem *	AP Calc A/B *	Fine, Prac, Perf Art
8th Block	Econ/PF	AP Seminar	AP Research	Fine, Prac, Perf Art

**Seal of Biliteracy



STEM | Biomedical Honors Track

SAMPLE SCHEDULE

Honors Biomedical Track	9th	10th	11th	12th
LA	PreAP I	PreAP II	AP LA III	H LA IV
Math	H Geometry	H Algebra II	H PreCalculus	AP Calculus AB *
Science	H Biology	H Chemistry	Honors Physics I	AP Bio or AP Chem *
SS	H World History	AP U.S. History I	AP U.S. History II	AP Bio or AP Chem *
WL	Spanish II or Alt Pathways	Spanish III or Alt Pathways	Spanish IV or Alt Pathways	~open~
PE/Health	PE/Health	PE/Health	PE/Health	PE/Health
7th Block	Fine, Prac, Perf Art	Fine, Prac, Perf Art	H Anatomy & Physiology	AP Calculus A/B *
8th Block	Econ/PF	AP Seminar	AP Research	Fine, Prac, Perf Art



STEM | Computer Science Track

SAMPLE SCHEDULE

Honors Computer Science Track	9th	10th	11th	12th
LA	PreAP I	PreAP II	AP LA III	H LA IV
Math	H Alg II	H PreCalculus	AP Calculus A/B *	AP Calculus B/C
Science	H Biology	H Chemistry	Honors Physics I	~open~
SS	H World History	AP U.S. History I	AP U.S. History II	Fine, Prac, Perf Art
WL	Spanish II or Alt Pathways	Spanish III or Alt Pathways	Spanish IV or Alt Pathways	~open~
PE/Health	PE/Health	PE/Health	PE/Health	PE/Health
7th Block	AP Computer Science Princ	AP Computer Science A	AP Calculus A/B *	H Appl Development H Advanced Web Design
8th Block	Econ/PF	AP Seminar	AP Research	Fine, Prac, Perf Art



STEM | Engineering Track

SAMPLE SCHEDULE

Honors Engineering (PLTW)	9th	10th	11th	12th
LA	PreAP I	PreAP II	AP LA III	H LA IV
Math	H Algebra II	H PreCalculus	AP Calculus A/B *	AP Calculus B/C
Science	H Biology	H Chemistry	AP Physics I	Principles of Engineering
SS	H World History	AP U.S. History I	AP U.S. History II	~open~
WL	Spanish II or Alt Pathways	Spanish III or Alt Pathways	Spanish IV or Alt Pathways	~open~
PE/Health	PE/Health	PE/Health	PE/Health	PE/Health
7th Block	Intro Engineering Design	Civil Eng & Architecture	AP Calculus A/B *	Eng Design & Develop.
8th Block	Econ/PF	AP Seminar	AP Research	Fine, Prac, Perf Art



BUSINESS Program Features & Benefits

- Cohorted core academic classes
- Mentoring Framework
- Digital Portfolio Feedback
- Fall / Spring Workshops
- Field Trips
- Extracurricular Activities
- External Partnerships
- AP Capstone diploma eligible
- Senior Option Internship
- Middlesex College Campus Enrollment
- Pre-AP LAL courses
- World Language pathway

4-year program
Class of 2026 and beyond



BUSINESS | Economics & Finance Track

SAMPLE SCHEDULE

Economics & Finance Track	9th	10th	11th	12th
LA	PreAP I	PreAP II	AP LA III	H LA IV
Math	H Geometry	H Algebra II	H PreCalculus	H Calculus or AP Statistics
Science	H Biology	H Chemistry	H Physics I	AP Macroeconomics
SS	H World History	AP U.S. History I	AP U.S. History II	AP Human Geography
WL	Spanish II or Alt Pathways	Spanish III or Alt Pathways	Spanish IV or Alt Pathways	H. Bus. Org/College Mktg
PE/Health	PE/Health	PE/Health	PE/Health	PE/Health
7th Block	Accounting I	Accounting II	AP Microeconomics	Senior Option/Internship
8th Block	Honors Finance	AP Seminar	AP Research	Senior Option/Internship



BUSINESS | Business Management Track

SAMPLE SCHEDULE

Business Management Track	9th	10th	11th	12th
LA	PreAP I	PreAP II	AP LA III	H LA IV
Math	H Geometry	H Algebra II	H PreCalculus	H Calculus or AP Statistics
Science	H Biology	H Chemistry	H Physics I	AP Microeconomics
SS	H World History	AP U.S. History I	AP U.S. History II	H. Bus. Org/College Mktg
WL	Spanish II or Alt Pathways	Spanish III or Alt Pathways	Spanish IV or Alt Pathways	AP Macroeconomics
PE/Health	PE/Health	PE/Health	PE/Health	PE/Health
7th Block	Accounting I	Accounting II	Ominchannel Marketing	Senior Option/Internship
8th Block	Honors Finance	AP Seminar	AP Research	Senior Option/Internship



BUSINESS | Marketing Track

SAMPLE SCHEDULE

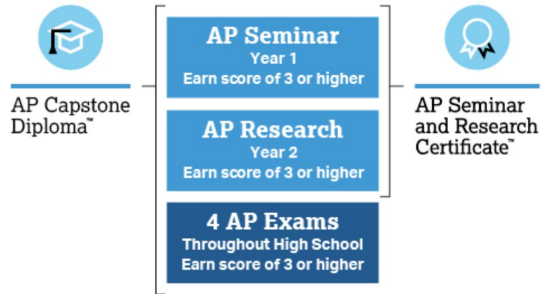
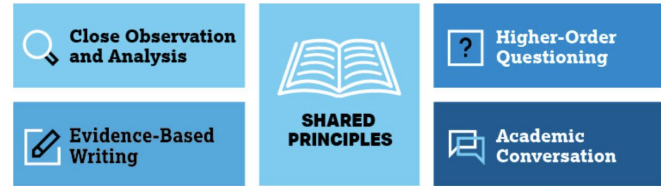
Marketing Track	9th	10th	11th	12th
LA	PreAP I	PreAP II	AP LA III	H LA IV
Math	H Geometry	H Algebra II	H PreCalculus	H Calculus or AP Statistics
Science	H Biology	H Chemistry	H Physics I	AP Microeconomics
SS	H World History	AP U.S. History I	AP U.S. History II	H. Bus. Org/College Mktg
WL	Spanish II or Alt Pathways	Spanish III or Alt Pathways	Spanish IV or Alt Pathways	Graphic Design
PE/Health	PE/Health	PE/Health	PE/Health	PE/Health
7th Block	Marketing	Ominchannel Marketing	Entrepreneurship	Senior Option/Internship
8th Block	Honors Finance	AP Seminar	AP Research	Senior Option/Internship



Honors Academy | Pilot Programs

- AP Seminar Grade 11 (2022-23)
 - 2 sections
- AP Research Grade 12 (2022-23)
 - 1 section
- Moving to 10th & 11th grade with 4 yr academy

- Pre-AP Grade 9 & Grade 10
 - 2 sections/grade based on enrollment



Honors Academy | Future Plans

- Finalize Course Sequence | New Courses
- Update Application Process
- Parent/Student Night Event
- Instructional Preparation
- Additional Internships & Professional Partnerships
- Community Events driven by students

