

Course #	AEROSPACE SCIENCE (AFJROTC)	CREDIT VALUE	PREREQUISITE
R24010	Aerospace Science 2	1.00	Students must get approval from Maj Nygaard or CMSgt Holmes before enrollment. Students must wear uniform at least once a week & complete required community service, as well as, participate in marching & physical wellness/PT. This is a yearlong program and you have obligations even when you are not in class.
Course #	BUSINESS	CREDIT VALUE	PREREQUISITE
B11510	Computer Applications: Digital Design & Publications	0.50	N/A
B21510	Computer Applications: Manipulate It	0.50	N/A
B12010	Introduction to Business	0.50	N/A
B26010	Sports & Entertainment Marketing	0.50	N/A
B37010	Accounting 1	1.00	N/A
B47010	Accounting 2	1.00	"C" or better in Accounting 1
B48510	International Business and Ethics	0.50	N/A
B49010	Business Law	0.50	N/A
B49510	Entrepreneurship	0.50	N/A
Course #	CENTER FOR PERFORMING ARTS	CREDIT VALUE	PREREQUISITE
P11010	Guitar	0.50	N/A
P11510	Piano	0.50	N/A
P12010	Concert Band	1.00	Participation may be limited by audition for some instruments.
P14110	McDowell Choral Project	1.00	Formally Mixed Chorus
P23010	Jazz Band	1.00	Instructor approval is required for course admission.
P24010	Wind Ensemble	1.00	Instructor approval is required for course admission.
P25010	Orchestra	1.00	Students must have some previous experience playing an orchestra instrument.
P34510	VOX Collective	1.00	Audition and Choral Director's Recommendation. Formally, Vocal Ensemble
P16010	Performing Arts 1	1.00	N/A
P26010	Performing Arts 2	1.00	Successful completion of Performing Arts 1 & recommendation of the CPA staff.
P28010	Popular Dance	0.50	N/A
Course #	COMPUTER SCIENCE (** NCAA Approved Course)	CREDIT VALUE	PREREQUISITE
D11010	Introduction to Computer Science	0.50	N/A
D12510	Foundations of Computer Programming 1	0.50	"C" or better in Algebra 1
D22510	Foundations of Computer Programming 2	0.50	"C" or better in Foundations of Computer Programming 1
D13510	Fundamentals of Cyber Security	0.50	N/A
D16010	Smart Manufacturing	0.50	N/A
D21010	Web Design 1	0.50	N/A
D22010	Web Design 2 - Mobile App Development	0.50	"C" or better in Web Design 1
D23010	Game Development and Programming	0.50	Foundations of Computer Programming 1 teacher recommendation
D32530	**AP® Computer Science Principles	1.00	"B" or better in Algebra 1
D33030	AP® Computer Science A	1.00	AP® Computer Schedule Principles (AP Exam score of 3 or higher) and Algebra 2 (B or higher)
Course #	ENGLISH/LANGUAGE ARTS (** NCAA Approved Course)	CREDIT VALUE	PREREQUISITE
E12010	Film Appreciation	0.50	N/A
E12210	Disney: The Happiest Elective on Earth	0.50	N/A
E12610	** Fantasy and Science Fiction Literature	0.50	N/A
E13010	Digital Content Creation	0.50	N/A
E13210	** Holocaust and Jewish Literature	0.50	N/A
E13610	Marvel, DC, and Beyond	0.50	N/A
E16110	** Debate on Current Events	0.50	N/A
E16210	** Public Speaking	0.50	N/A
E23010	Sports and News Broadcast Journalism	0.50	N/A
E26010	** Creative Writing	0.50	N/A
E33510	Video Production	0.50	Successful completion of Digital Content Creation (Intro to Media) or Sports and News Broadcast Journalism
E34610	** Short Stories	0.50	English Teacher Recommendation
E36310	** Forensics - Speech & Debate	0.50	Successfully completed Debate of Current Issues or Public Speaking
E36510	** Exploring Writing	0.50	"B" or better in Honors English or a recommendation from a 10th/11th Aca teacher.
E37510	** Introduction to Journalism	0.50	N/A (Formally Journalism 1)

**9th to 10th (Sophomore) Elective Options**

**McDowell Scheduling Guide for 24/25 SY**

<b>Course #</b>	<b>ENGLISH/LANGUAGE ARTS Con't (** NCAA Approved Course)</b>	<b>CREDIT VALUE</b>	<b>PREREQUISITE</b>
E47010Q	McDowell Media Newroom	0.50	Successful completion of Intro to Journalism (Journalism 1) or Sports and News Broadcast Journalism
E47010	McDowell Media Newsroom	1.00	Successful completion of Intro to Journalism (Journalism 1) or Sports and News Broadcast Journalism
E38010	** Young Adult Literature	0.50	N/A (should be an avid readers)
<b>Course #</b>	<b>GENERAL (** NCAA Approved Course)</b>	<b>CREDIT VALUE</b>	<b>PREREQUISITE</b>
G14010	United States Academic Decathlon	1.00	N/A
G24030	** AP® Seminar	1.50	Administrative Approval
G29110	Independent Study (9/10)	0.50	See School Counselor for Information
<b>Course #</b>	<b>FAMILY &amp; CONSUMER SCIENCE</b>	<b>CREDIT VALUE</b>	<b>PREREQUISITE</b>
F10510	Exploring Culinary Arts	0.50	N/A
F10810	Lifetime Nutrition	0.50	N/A
F11210	Creative Cooking	0.50	N/A
F11610	Baking & Pastry Arts	0.50	N/A
F21610	Baking & Pastry Arts 2	0.50	Successful Completion of Baking and Pastry 1 earning a B or better.
F12010	Fashion & Fabric 1	0.50	N/A
F22010	Fashion & Fabric 2	0.50	Successful Completion of Fashion and Fabric 1
F32010	Fashion Entrepreneurship	0.50	Successful Completion of Fashion and Fabric 1 & 2
F27010	Career Explorations	0.50	N/A
F23010	Education Profession Level 1	1.00	Clearances Required
F33010	Education Profession Level 2	1.00	"B" or better in Educational Profession Level 1 & teacher Recommendation
<b>Course #</b>	<b>MATHEMATICS (** NCAA Approved Course)</b>	<b>CREDIT VALUE</b>	<b>PREREQUISITE</b>
M57010	** Probability and Statistics	1.00	"B" or better in Algebra 2 or higher
M57020	** Honors Probability and Statistics	1.00	"B" or better in Honors Algebra 2 or higher math teacher recommendation
M57030	** AP® Statistics	1.00	"B" or better in Honors Algebra 2 or higher math teacher recommendation
<b>Course #</b>	<b>SCIENCE (** NCAA Approved Course)</b>	<b>CREDIT VALUE</b>	<b>PREREQUISITE</b>
C15510	Earth and Space Science	0.50	N/A
C36020	** Honors Anatomy & Physiology	1.00	Aca Biology (Final Grade "A") or Hon/AP® (Final Grade of "B" or better)
C37010	** Environmental Issues	0.50	Not for students who have completed Environmental Science
C37030	** AP® Environmental Issues	1.00	Recommendation from Honors Biology teacher
<b>Course #</b>	<b>SOCIAL STUDIES (** NCAA Approved)</b>	<b>CREDIT VALUE</b>	<b>PREREQUISITE</b>
S18010	Positive Psychology	0.50	N/A
S25030	** AP® Human Geography	1.00	Recommendation from Honors World Geography Teacher
S23510	** Current Issues	0.50	N/A
S23710	** Introduction to Criminal Justice	0.50	N/A
S28110	** Justice Education	0.50	N/A
S29010	** Constitutional Law	0.50	Recommendation from 10th grade Social Studies Teacher
S48030	** AP® Psychology	1.00	Recommendations from Hon US History, Hon English, or Hon Science Teacher.
<b>Course #</b>	<b>TECHNOLOGY</b>	<b>CREDIT VALUE</b>	<b>PREREQUISITE</b>
T11310	Introduction to Wood & Building Trades	1.00	N/A
T21110	Wood Technology 2	1.00	Introduction to Wood & Building Trades
T21310	Building Trades 1	1.00	Introduction to Wood & Building Trades
T31310	Building Trades 2	1.00	Introduction to Wood & Building Trades and Building Trades 1
T41310	Building Trades 3	1.00	Building Trades 2
T14510	Introduction to Welding	0.50	N/A
T24510	Advanced Welding	0.50	Successful completion of Introduction to Welding
T12010	Foundations of Technology Design and Engineering	1.00	N/A
T22110	Architectural Design	1.00	Foundations of Technology Design and Manufacturing
T21510	Home Maintenance	0.50	Recommendation from Metal Tech 1 or Intro to Wood & Building Trades Teacher
T13510	Intro to Robotics	1.00	N/A
T23510	Robotics 2	1.00	Recommendation from Robotics 1 Teacher
T15010	Materials Mfg.: Metal Technology 1	0.50	N/A
T25010	Materials Mfg.: Metal Technology 2	0.50	Materials Mfg.: Metal Technology 1
T47510	Introduction to Applied Engineering	1.00	Completed Algebra 2. Interested in an Engineering Pathway

Course #	VISUAL ARTS (** NCAA Approved Course)	CREDIT VALUE	PREREQUISITE
A10110	Design Exploration	0.50	N/A (Formally Art Survey)
A13010	Ceramics 1	0.50	N/A
A23010	Ceramics 2	0.50	Successful completion of Ceramics 1
A33010	Ceramics 3	0.50	Successful completion of Ceramics 2
A14010	Drawing 1	0.50	N/A
A24010	Drawing 2	0.50	Successful completion of Drawing 1
A34010	Drawing 3	0.50	Successful completion of Drawing 2
A44010	** AP® Studio Art: Drawing	1.00	Successful completion of Drawing 3
A23510	Mixed Media	0.50	N/A
A15010	Digital Technology in Art	0.50	N/A
A21310	Graphic Arts	0.50	N/A
A21610	Digital Photography	0.50	N/A
A21810	Animation	0.50	N/A
A16010	Interior Design 1	0.50	N/A
A36010	Interior Design 2	0.50	Successful completion of Interior Design 1
A17010	Painting 1	0.50	N/A
A27010	Painting 2	0.50	Successful completion of Painting 1
A18010	Sculpture	0.50	N/A

Course #	WELLNESS (Students may not have more than 2 PE courses within a single year and must have at least 1 PE course each year.)	CREDIT VALUE	PREREQUISITE
H14210	Aquatics 2	0.50	Successful <b>Deep-Water Test in Aquatics</b> AND Compete Cooper Swim in the big pool (at least 14 lengths). Meets Phy. Ed. Requirement in grades 10-12.
H15010	Advanced Teams Sports (9/10)	0.50	Meets Phy. Ed. Requirements in grades 10-12
H17010	PE Dance	0.50	Meets Phy. Ed. Requirements in grades 10-12
H23110	Personal Fitness (9/10)	0.50	Meets Phy. Ed. Requirements in grades 10-12
H22010	Weight Training	0.50	Meets Phy. Ed. Requirements in grades 10

Course #	WORLD LANGUAGE (** NCAA Approved Course)	CREDIT VALUE	PREREQUISITE
W14010	** French 1	1.00	N/A
W24010	** French 2	1.00	"C" average in French 1, <b>plus</b> teacher recommendation
W24510	** French Culture	0.50	Successful Completion of French 2
W34020	** Honors French 3	1.00	"B" average in French 2, <b>plus</b> teacher recommendation
W15010	** German 1	1.00	N/A
W25010	** German 2	1.00	"C" average in German 1, <b>plus</b> teacher recommendation
W25510	** German Culture	0.50	Successful Completion of German 2
W35020	** Honors German 3	1.00	"B" average in German 2, <b>plus</b> teacher recommendation
W17010	** Spanish 1	1.00	N/A
W27010	** Spanish 2	1.00	"C" average in Spanish 1, <b>plus</b> teacher recommendation
W25510	** Spanish Culture	0.50	Successful Completion of Spanish 2
W37020	** Honors Spanish 3	1.00	"B" average in Spanish 2, <b>plus</b> teacher recommendation

Course #	Erie County Technical School (ECTS)	CREDIT VALUE	PREREQUISITE
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There are a wide range of technical programs at ECTS. Students must follow the ECTS application process. If you have questions or interest in ECTS you should see your school counselor in the MIHS Guidance Office asap. Once you have applied to ECTS and been both accepted and confirmed for the ECTS program your school counselor will input the program into your schedule. Until that time you are to schedule as if you were not attending ECTS. If you are enrolled at ECTS, then your school counselors will input your ECTS program for the following school year.

It is strongly recommended all students choose at least 3 alternate electives beyond their 1st choice requested elective course selections.

Credits	Typical Course Schedule Includes:	When entering incoming 10th grade students scheduling requests:
1.00	Core: a level of English 10	1 Review your core selections carefully. Make sure you are meeting all prerequisites.
1.00	Core: a level of Math	2 Select electives based upon your career, post-secondary, and personal interests.
1.00	Core: a level of Biology/Chemistry	3 Select 3.5 credits of electives, and then select at least 3 more credits of alternate electives. This is vital in case some of your first choice electives are not available.
1.00	Core: a level of World History	4 Be sure you have completed all 9th Grade Naviance Career Tasks.
0.50	Required: Phy. Ed. Course	
4.50	# of Core and Required Credits	
3.50	Elective credits available	
8.00	Total Credits for Freshman Year.	

Teachers and Administration enter **Core and Required** courses by March 1st.

Students must enter **Primary Electives and Alternate Electives** between March 4-8 only.

Students need 40/40 units to have a full schedule request.