

10th to 11th (Junior) Elective Options

McDowell Scheduling Guide for 24/25 SY

| Course # | AEROSPACE SCIENCE (AFJROTC) | CREDIT VALUE | PREREQUISITE |
|----------|-----------------------------|--------------|---|
| R34010 | Aerospace Science 3 | 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. Cadets must have earned a C or higher in Aerospace Science 2. |

| 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 |
| B34010 | Financial Literacy | 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. |
| P36010 | Performing Arts 3 | 1.00 | Must be active in CPA productions & recommendation of CPA director. |
| P27510 | Music Theory/Music History | 1.00 | Instructor approval is REQUIRED for admission to class. |
| P28010 | Popular Dance | 0.50 | N/A |
| P50030 | Arts Dual Enrollment | 1.00 | See School Counselor for Information (PRINCIPAL PRE-APPROVAL) |
| H17010 | PE Dance | 0.50 | Meets Phy. Ed. Requirements in grades 10-12 |

| 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) |
| D50030 | Technology Dual Enrollment | 1.00 | See School Counselor for Information (PRINCIPAL PRE-APPROVAL) |

| 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 |

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|----------|--|-----------------|--|
| 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 |
| E34410 | Independent Research Project | 0.50 | N/A |
| 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) |
| 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 reader) |
| E50030 | English Dual Enrollment | 1.00 | See School Counselor for Information (PRINCIPAL PRE-APPROVAL) |
| Course # | GENERAL (** NCAA Approved Course) | CREDIT VALUE | PREREQUISITE |
| G14010 | United States Academic Decathlon | 1.00 | N/A |
| G24030 | ** AP® Seminar | 1.50 | Administrative Approval |
| G39110 | Independent Study (11/12) | 0.50 | See School Counselor for Information |
| G48510 | Internship/Job Shadowing | 0.50 | See School Counselor for Information |
| G48210 | McDowell Manufacturing Internship | 0.50 | 2.0 GPA and 90% attendance - See Counselor |
| Course # | FAMILY & CONSUMER SCIENCE | CREDIT VALUE | PREREQUISITE |
| 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 |
| F34010 | Surviving and Thriving Adulthood | 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 |
| F43010 | Education Profession Level 3 | 1.00 | "B" or better in Educational Profession Level 1&2 and teacher Recommendation |
| Course # | MATHEMATICS (** NCAA Approved Course) | CREDIT VALUE | PREREQUISITE |
| M34710 | Honors Financial Literacy | 1.00 | "B" or better in Algebra 2 or higher |
| 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 |
| M53030 | Math Dual Enrollment | 1.00 | See School Counselor for Information (PRINCIPAL PRE-APPROVAL) |
| Course # | SCIENCE (** NCAA Approved Course) | CREDIT VALUE | PREREQUISITE |
| C15510 | Earth and Space Science | 0.50 | Not for students who have taken Earth and Space Science for 1.00 credit |
| C25030 | ** AP® Biology | 2.00 | Hon Biology (Final Grade B or better) AND Honors/AP® Chemistry (Final Grade B or better); Recommend completion or concurrent Statistics Course. |
| C28010 | ** CSI Forensics | 0.50 | "B" or better in Academic/Hon Biology |
| C33010 | ** Mechanical Science | 1.00 | N/A |
| C33510 | ** Conservation Science | 1.00 | N/A |
| C34220 | ** Honors Chemistry 2 | 1.00 | 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 |
| C45020 | ** Honors Organic Chemistry | 0.50 | "B" or better in Hon/AP® Chemistry or Recommendation from Aca Chem Teacher |
| C50030 | Science Dual Enrollment | 1.00 | See School Counselor for Information (PRINCIPAL PRE-APPROVAL) |

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| Course # | SOCIAL STUDIES (** NCAA Approved) | CREDIT VALUE | PREREQUISITE |
|-----------------|--|-------------------------|---|
| 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 |
| S33010 | ** Contemporary Issues | 0.50 | N/A |
| S48010 | ** Aca Psychology | 1.00 | N/A |
| S48020 | ** Hon Psychology | 1.00 | Strong Performance in English and Social Studies recommended |
| S48030 | ** AP® Psychology | 1.00 | Recommendations from Hon US History, Hon English, or Hon Science Teacher. |
| S45530 | ** AP® US Government and Politics | 1.00 | Recommendations from previous Social Studies Teacher. |
| S55530 | ** AP® Comparative Government and Politics | 1.00 | Completion of Hon US History and Teacher Recommendation |
| S50030 | Social Studies Dual Enrollment | 1.00 | See School Counselor for Information (PRINCIPAL PRE-APPROVAL) |

| Course # | TECHNOLOGY | CREDIT VALUE | PREREQUISITE |
|-----------------|--|-------------------------|---|
| 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 |
| T32110 | Advanced Computer Design and Manufacturing | 1.00 | Architectural Design |
| T21510 | Home Maintenance | 0.50 | Recommendation from Metal Tech 1 or Intro to Wood & Building Trades or Previous Wood Tech 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 |
| T36010 | Graphics Technology 1 | 0.50 | N/A |
| T46010 | Graphics Technology 2 | 0.50 | N/A |
| T41010 | CNC Manufacturing | 1.00 | Intro to Wood & Building Trades and Metal Technology 1 with a Teacher Recommendation |

| 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 |

| WELLNESS | | CREDIT VALUE | PREREQUISITE |
|----------|---|--------------|--|
| Course # | (Students may not have more than 2 PE courses within a single year and must have at least 1 PE course each year.) | | |
| H14210 | Aquatics 2 | 0.50 | Successful Deep-Water Test in Aquatics AND Compete Cooper Swim in the big pool (at least 14 lengths). Meets Phy. Ed. Requirement in grades 10-12. |
| H35010 | Advanced Teams Sports (11/12) | 0.50 | Meets Phy. Ed. Requirements in grades 10-12 |
| H17010 | PE Dance | 0.50 | Meets Phy. Ed. Requirements in grades 10-12 |
| H33110 | Personal Fitness (11/12) | 0.50 | Meets Phy. Ed. Requirements in grades 10-12 |
| H33010 | Weight Training (11/12) | 0.50 | Meets Phy. Ed. Requirements in grades 11-12 |

| WORLD LANGUAGE (** NCAA Approved Course) | | CREDIT VALUE | PREREQUISITE |
|---|----------------------------------|--------------|---|
| Course # | | | |
| W14010 | ** French 1 | 1.00 | N/A |
| W24010 | ** French 2 | 1.00 | "C" average in French 1, plus teacher recommendation |
| W24510 | ** French Culture | 0.50 | Successful Completion of French 2 |
| W34020 | ** Honors French 3 | 1.00 | "B" average in French 2, plus teacher recommendation |
| W44020 | ** Honors French 4 | 1.00 | "B" average in Honors French 3, plus teacher recommendation |
| W15010 | ** German 1 | 1.00 | N/A |
| W25010 | ** German 2 | 1.00 | "C" average in German 1, plus teacher recommendation |
| W25510 | ** German Culture | 0.50 | Successful Completion of German 2 |
| W35020 | ** Honors German 3 | 1.00 | "B" average in German 2, plus teacher recommendation |
| W45020 | ** Honors German 4 | 1.00 | "B" average in Honors German 3, plus teacher recommendation |
| W17010 | ** Spanish 1 | 1.00 | N/A |
| W27010 | ** Spanish 2 | 1.00 | "C" average in Spanish 1, plus teacher recommendation |
| W25510 | ** Spanish Culture | 0.50 | Successful Completion of Spanish 2 |
| W37020 | ** Honors Spanish 3 | 1.00 | "B" average in Spanish 2, plus teacher recommendation |
| W47020 | ** Honors Spanish 4 | 1.00 | "B" average in Honors Spanish 3, plus teacher recommendation |
| W57020 | ** Honors Spanish 5 | 1.00 | "B" average in Honors Spanish 4, plus teacher recommendation |
| W50030 | Foreign Language Dual Enrollment | 1.00 | See School Counselor for Information (PRINCIPAL PRE-APPROVAL) |

Course # Erie County Technical School (ECTS) **CREDIT VALUE** **PREREQUISITE**

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 Guidance Office asap. Once you have applied to ECTS and been both accepted and confirmed 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: |
|---------|---------------------------------------|
| 1.00 | Core: a level of English 11 |
| 1.00 | Core: a level of Math |
| 1.00 | Core: a Level of Science |
| 1.00 | Core: a level of US History |
| 0.50 | Required: Health 11 |
| 0.50 | Required: Phy. Ed. Course |
| 5.00 | # of Core and Required Credits |
| 3.00 | Elective credits available |
| 8.00 | Total Credits for Junior Year. |

- When entering incoming 11th grade students scheduling requests:**
- 1 Review core selections carefully. Make sure you are meeting all prerequisites.
 - 2 Select electives based upon your career, post-secondary, and personal interests.
 - 3 Select 3 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.
 - 4 Be sure you have completed all 10th Grade Naviance Career Tasks.

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.