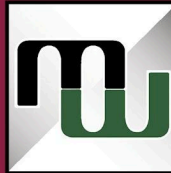


2025\*2026

# HIGH SCHOOL

## Curriculum Handbook and Registration Guide



# **Millard Public Schools**

## **Millard Board of Education**

**Stacy Jolley**  
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### **NOTICE OF NON-DISCRIMINATION**

The Millard School District does not discriminate on the basis of race, color, religion, national origin, marital status, disability, age, sex, sexual orientation, gender, gender identity, or on any other basis prohibited by federal, state, or local laws in admission to or access to or treatment of employment, in its programs and activities. The following person has been designated to handle inquiries regarding the discrimination and harassment policies: Associate Superintendent of Human Resources, 5606 South 147 Street, Omaha, NE 68137 (402) 715-8200. The Associate Superintendent of Human Resources may delegate this responsibility as needed. Complaints by school personnel or job applicants regarding unlawful discrimination or unlawful harassment shall follow the procedures of District Rule 4001.2. School personnel or job applicant complaints regarding sexual harassment shall follow the procedures of District Rule 4001.3. Complaints by students or parents regarding unlawful discrimination or unlawful harassment shall follow the procedures of District Rule 5010.2. Student or parent complaints regarding sexual harassment shall follow the procedures of District Rule 5010.3.

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**It is the intent of District and High School administrators to offer all courses and programs as noted within the 2025-2026 High School Curriculum Handbook and Registration Guide. However, courses and/or program offerings may be canceled due to budget constraints and**



Dear Students:

The high school years hold some of the most exciting times in your life. We encourage you to fully engage in student life, select and participate in a variety of challenging courses, participate in activities, and make new friends while in high school. Millard Public Schools' goal is to guarantee each student exemplifies the knowledge, skills, and character necessary for personal excellence and responsible citizenship through an innovative, world-class educational community that challenges and empowers all students. The Millard Essential Learner Outcomes not only include the Academic Skills and Applications you will master prior to graduation but also the College and Career Readiness Skills needed for your post-secondary endeavors.

Millard Public Schools offers diverse opportunities in our high schools, consisting of a variety and depth of courses offered including numerous Advanced Placement® courses, Air Force Junior Reserve Officer Training (AFJROTC), the AP Capstone™ Program, Early College, the International Baccalaureate® Programme, and several MPS Career Academies. Some programs may require an application or transfer to the host high school. Detailed information about all of these opportunities is included on the following pages.

We encourage you to consider your course selections carefully. As you focus on college and career readiness, challenge yourself to take full advantage of the academic opportunities offered in Millard. Universities, colleges, and trade schools look for students who take the most rigorous courses available to them while in high school. Students should enroll in the most challenging English, mathematics, science, social studies, and world language courses, in addition to your elective opportunities, in order to best be prepared for success. In addition, refer to your results from Pre-ACT™ and/or Advanced Placement® exams to help you select classes that will prepare you for college and career. Take advantage of the opportunities to learn and mature mentally, physically, and socially, so you can be best prepared for your future career.

The Personal Learning Plan (PLP) helps you focus on personal, academic, and post-secondary plans. Use your PLP while working with your parents, advisor, and counselor to make academic choices. Your future plans are contingent on the decisions you make today. Carefully consider graduation requirements, and your post-secondary goals as you select courses.

We wish you success in the 2025-2026 school year.

A handwritten signature in black ink that reads "Emili Brosnan".

Emili Brosnan, Ed.D.  
Principal  
Keith Lutz Horizon High School

A handwritten signature in black ink that reads "Aaron Bearinger".

Aaron Bearinger, Ed.D.  
Principal  
Millard North High School

A handwritten signature in black ink that reads "Heidi Weaver".

Heidi Weaver  
Principal  
Millard South High School

A handwritten signature in black ink that reads "Greg Tiemann".

Greg Tiemann, Ed.D.  
Principal  
Millard West High School



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# **Introduction and Graduation Requirements**





## INTRODUCTION

The *Curriculum Handbook and Registration Guide* provides information about the academic programs offered by Millard Public Schools for the 2025-2026 year. The handbook contains information on graduation requirements and course offerings, and provides additional resources to serve as a registration guide.

High school course selection is an important decision that helps students prepare for graduation and post-secondary endeavors. In addition to meeting graduation requirements, students should select the most challenging courses that allow them to explore or strengthen areas of interest and prepare for post-secondary education and careers.

The handbook is divided into four sections:

- Section I provides information on the Board of Education approved graduation requirements.
- Section II describes all courses, is organized by academic discipline, and contains flowcharts and tables explaining course sequences.
- Section III describes specialized programs including Academies in Millard high schools, Advanced Placement® courses, AFJROTC, AP Capstone™, International Baccalaureate®, Early College, and Academies at Metropolitan Community College.
- Section IV provides information on post-secondary planning, Personal Learning Plans, ACT® scores and Core Curriculum, Advanced Placement® courses, Diploma Paths, Dual Enrollment opportunities, and NCAA, NAIA, and NJCAA athletic eligibility. A master quick-reference table and credit count form are provided within this section.

To earn a diploma from Millard Public Schools, each student must meet four criteria:

- Complete course and credit requirements
- Meet the Essential Learner Outcomes of College and Career Readiness in Reading, Mathematics, and Writing
- Complete a Personal Learning Plan (PLP)
- Submit to the United States Department of Education a Free Application for Federal Student Aid (FAFSA) or complete the required waiver.

Students should use their Personal Learning Plans (PLP) as a tool to help identify and document their accomplishments, strengths, and interests. Students record their goals, create plans for accomplishing these goals, and document progress. With careful planning, students can prepare for post-secondary education and careers while also completing graduation requirements.

Specialized programs listed in the chart below are open to all Millard students. Information about these programs is located in the specialized programs section.

Millard Special Programs	Location	How to get involved...
AFJROTC	Millard South	Attend or transfer to Millard South.
AP Capstone™	Millard West	Attend or transfer to Millard West.
Early College	Millard South	Attend or transfer to Millard South. Submit application in January of 8 <sup>th</sup> grade.
International Baccalaureate® Programme	Millard North	Attend or transfer to Millard North.
<b>Millard Academies</b>		
Business & Entrepreneurship Academy	Millard South	Submit an application in November of 10 <sup>th</sup> grade. Participate in an interview conducted in December. Application is found on the Career Academy Website.
Business & Logistics Management Academy	Millard North	
Education Academy	Millard North & Millard West	
Health Sciences Academy	Keith Lutz Horizon	
STEM Academy	Millard West	
<b>Additional Opportunities</b>		
Academies at Metropolitan Community College (MCC)	MCC Campus (varies)	Attend home high school for half the day and travel to MCC for the other half day.
University of Nebraska Medical Center (UNMC) High School Alliance	UNMC	Attend home high school for half the day and travel to UNMC for the other half day.
Zoo Academy	Henry Doorly Zoo	Attend home high school for half the day and travel to the Zoo for the other half day.

## GRADUATION REQUIREMENTS CLASS OF 2026

Program	Total Course/Subject Credits	Course or Subject Areas	Credits	University of Nebraska System Requirements**
<b>English Language Arts</b>	<b>40</b>	English 9	10	4 years  All courses must include intensive reading and writing
		English 10	10	
		English 11	10	
		Oral Communications	5	
		Choice of an English Course	5	
<i>Oral Communications:</i>		<i>English Selected Courses:</i>		
<ul style="list-style-type: none"> <li>• Speech</li> <li>• Debate</li> <li>• Competitive Debate</li> <li>• Forensics: Competitive Speech</li> <li>• Combination of IB Language A1, IB Language B, and Theory of Knowledge I &amp; II</li> <li>• Professional Speaking (Academy)</li> </ul>		<ul style="list-style-type: none"> <li>• AP English Language and Composition</li> <li>• AP English Literature and Composition</li> <li>• College Writing</li> <li>• Contemporary Literature</li> <li>• Creative Writing</li> <li>• Global Perspectives through Literature</li> <li>• IB English HL II</li> <li>• Literacy for Life</li> <li>• Literature and Film</li> <li>• Media Analysis</li> <li>• Popular Genres in Literature</li> </ul>		
<b>Social Studies</b>	<b>30</b>	World Geography – 9 <sup>th</sup>	5	3 years 1 course American History and/or World History 1 course History, American Government and/or Geography 1 course Social Science
		World History – 10 <sup>th</sup>	10	
		United States History – 11 <sup>th</sup> or 12 <sup>th</sup>	10	
		United States Government & Economics – 11 <sup>th</sup> or 12 <sup>th</sup>	5	
<b>Mathematics</b>	<b>30</b>	0211 Algebra I or 0203 Algebra I: Foundations 1* *or appropriate course from the math sequence	10	4 years* Algebra I, Geometry, Algebra II and 1 year that builds on Algebra II or Algebra 1, Geometry 1, Algebra 2, Geometry 2, Algebra 3, Algebra 4: Probability & Statistics, and 10 credits beyond Algebra 3 and Algebra 4: Probability & Statistics  *UNL requires 4 years of mathematics *UNO and UNK require 3 years of mathematics
		0220 Geometry or 0204 Alg/Geo: Foundations 2* *or appropriate course from the math sequence	10	
		MA30 Algebra 3 & MA36 Algebra 4: Probability & Statistics* or MA28 Foundations Algebra 3 & MA34 Foundations Algebra 4: Probability & Statistics* *or appropriate course from the math sequence	10	
		Note: Computer Science courses may not be applied toward mathematics credit.		
<b>Science</b>	<b>30</b>	Biology – 9 <sup>th</sup>	10	3 years of natural science  At least 2 courses selected from Biology, Chemistry, Physics, and Earth Sciences 1 course must include laboratory instruction
		Chemistry or Physical Science: Chemistry – 10 <sup>th</sup>	10 or 5	
		Physics or Physical Science: Physics – 11 <sup>th</sup>	10 or 5	
		Choice of Science Elective (dependent upon choice of 5 or 10 credit Chemistry and Physics courses)	0 - 10	

Graduation requirements may need to be adjusted to match Nebraska State Statute and Rule 10 Guidelines.

## GRADUATION REQUIREMENTS CLASS OF 2026

Program	Total Course/Subject Credits	Course or Subject Areas	Credits	University of Nebraska System Requirements**
<b>Physical Education</b>	15	See course descriptions for grade appropriate selections	15	
<b>Health Education</b>	5	<ul style="list-style-type: none"> <li>● ELD Health</li> <li>● Healthy Living</li> </ul>	5	
<b>Financial Literacy</b>	5	<ul style="list-style-type: none"> <li>● ELD Financial Literacy</li> <li>● Personal Finance</li> <li>● Financial Literacy (Business and Entrepreneurship Academy)</li> <li>● Life Skills &amp; Career Opportunities (AFJROTC)</li> </ul>	5	
<b>Fine and Performing Arts</b>	5	Choice of Fine and Performing Arts selected courses: <ul style="list-style-type: none"> <li>● Any art course</li> <li>● Any music course</li> <li>● Theatre and Performance I (Drama I)</li> <li>● Theatre Appreciation</li> </ul>	5	
<b>Human Resources</b>	5	Choice of a Human Resources course: <ul style="list-style-type: none"> <li>● AP Psychology (10 credits)</li> <li>● Adult Life and Relationships</li> <li>● Child Development</li> <li>● Human Diversity</li> <li>● IB Psychology SL (NHS)</li> <li>● IB Theory of Knowledge I (NHS)</li> <li>● International Relations</li> <li>● Intro to Behavioral Sciences</li> <li>● Law Studies</li> <li>● Psychology</li> <li>● Sociology</li> <li>● World Religions</li> <li>● Human Relations (STEM Academy)</li> </ul>	5	
<b>Electives</b>	65	A total of 65 additional credits selected from any course areas	65	<b>2 years of the same World Language</b>

\*\* The University of Nebraska has three undergraduate campuses: University of Nebraska-Lincoln, University of Nebraska-Omaha, and University of Nebraska-Kearney.

\*\* In addition –

- GPA of 3.0 or above OR
- 20+ on the ACT, writing not required OR
- 1040 or higher on SAT, Critical Reading & Math Sections
- ACT & SAT are not admissions requirements

<b>Credit Summary</b>					
Language Arts: English	40	Physical Education	15	Human Resources	5
Social Studies	30	Health Education	5	Electives	65
Mathematics	30	Financial Literacy	5		
Science	30	Fine and Performing Arts	5	<b>Total</b>	<b>230</b>

Graduation requirements may need to be adjusted to match Nebraska State Statute and Rule 10 Guidelines.

## GRADUATION REQUIREMENTS CLASSES OF 2027 & Beyond

Program	Total Course/Subject Credits	Course or Subject Areas	Credits	University of Nebraska System Requirements**
<b>English Language Arts</b>	<b>40</b>	English 9	10	4 years  All courses must include intensive reading and writing
		English 10	10	
		English 11	10	
		Oral Communications	5	
		Choice of an English Course	5	
<i>Oral Communications:</i>		<i>English Selected Courses:</i>		
<ul style="list-style-type: none"> <li>● Speech</li> <li>● Debate</li> <li>● Competitive Debate</li> <li>● Forensics: Competitive Speech</li> <li>● Combination of IB Language A1, IB Language B, and Theory of Knowledge I &amp; II</li> <li>● Professional Speaking (Education Academy)</li> </ul>	<ul style="list-style-type: none"> <li>● AP English Language and Composition</li> <li>● AP English Literature and Composition</li> <li>● College Writing</li> <li>● Contemporary Literature</li> <li>● Creative Writing</li> <li>● Global Perspectives through Literature</li> <li>● IB English HL II</li> <li>● Literacy for Life</li> <li>● Literature and Film</li> <li>● Media Analysis</li> <li>● Popular Genres in Literature</li> </ul>			
<b>Social Studies</b>	<b>30</b>	World Geography – 9 <sup>th</sup>	5	3 years  1 course American History and/or World History 1 course History, American Government and/or Geography 1 course Social Science
		World History – 10 <sup>th</sup>	10	
		United States History – 11 <sup>th</sup> or 12 <sup>th</sup>	10	
		United States Government & Economics – 11 <sup>th</sup> or 12 <sup>th</sup>	5	
<b>Mathematics</b>	<b>30</b>	0211 Algebra I or 0203 Algebra I: Foundations 1* or MA10 Algebra 1* & MA14 Geometry 1* or MA08 Foundations Algebra 1 & MA12 Foundations Geometry 1* *or appropriate course from the math sequence	10	4 years*  Algebra I, Algebra 1, Geometry 1, Algebra 2, Geometry 2, Algebra 3, Algebra 4: Probability & Statistics, and 10 credits beyond Algebra 3 and Algebra 4: Probability & Statistics  *UNL requires 4 years of mathematics *UNO and UNK require 3 years of mathematics
		0220 Geometry or 0204 Alg/Geo: Foundations 2* or MA14 Geometry 1 & MA24 Geometry 2 or MA18 Algebra 2 & MA24 Geometry 2* or MA12 Foundations Geometry 1 & MA22 Foundations Geometry 2 or MA16 Foundations Algebra 2 & MA22 Foundations Geometry 2 *or appropriate course from the math sequence	10	
		MA30 Algebra 3 & MA36 Algebra 4: Probability & Statistics* or MA28 Foundations Algebra 3 & MA34 Foundations Algebra 4: Probability & Statistics* *or appropriate course from the math sequence	10	
		Note: Computer Science courses may not be applied toward mathematics credit.		
<b>Science</b>	<b>30</b>	Biology – 9 <sup>th</sup>	10	3 years of natural science  At least 2 courses selected from Biology, Chemistry, Physics, and Earth Sciences 1 course must include laboratory instruction
		Chemistry or Physical Science: Chemistry – 10 <sup>th</sup>	10 or 5	
		Physics or Physical Science: Physics – 11 <sup>th</sup>	10 or 5	
		Choice of Science Elective (dependent upon choice of 5 or 10 credit Chemistry and Physics courses)	0 - 10	

Graduation requirements may need to be adjusted to match Nebraska State Statute and Rule 10 Guidelines.

## GRADUATION REQUIREMENTS CLASSES OF 2027 & Beyond

Program	Total Course/Subject Credits	Course or Subject Areas	Credits	University of Nebraska System Requirements**
Physical Education	15	See course descriptions for grade appropriate selections	15	
Health Education	5	<ul style="list-style-type: none"> <li>• ELD Health</li> <li>• Healthy Living</li> </ul>	5	
Financial Literacy	5	<ul style="list-style-type: none"> <li>• ELD Financial Literacy</li> <li>• Personal Finance</li> <li>• Financial Literacy (Business and Entrepreneurship Academy)</li> <li>• Life Skills &amp; Career Opportunities (AFJROTC)</li> </ul>	5	
Fine and Performing Arts	5	Choice of Fine & Performing Arts selected courses: <ul style="list-style-type: none"> <li>• Any art course</li> <li>• Any music course</li> <li>• Theatre and Performance I (Drama I)</li> <li>• Theatre Appreciation</li> </ul>	5	
Technology Education	5	Choice of Technology selected courses: <ul style="list-style-type: none"> <li>• AP Computer Science Principles</li> <li>• Business Technologies</li> <li>• Computer Science Programming</li> <li>• ELD Computer Literacy</li> <li>• Emerging Technologies</li> <li>• STEM Information Technology</li> <li>• Introduction to Engineering***</li> <li>• Digital Media***</li> </ul>	5	
Human Resources	5	Choice of a Human Resources course: <ul style="list-style-type: none"> <li>• AP Psychology (10 credits)</li> <li>• Adult Life &amp; Relationships</li> <li>• Child Development</li> <li>• Human Diversity</li> <li>• IB Psychology SL (NHS)</li> <li>• IB Theory of Knowledge I (NHS)</li> <li>• International Relations</li> <li>• Intro to Behavioral Sciences</li> <li>• Law Studies</li> <li>• Psychology</li> <li>• Sociology</li> <li>• World Religions</li> <li>• Human Relations (STEM)</li> </ul>	5	
Electives	60	A total of 60 additional credits selected from any course areas	60	<b>2 years of the same World Language</b>

\*\*\* Intro to Engineering and Digital Media count for Technology Education graduation credit only if taken in or before the 2024/2025 school year.

\*\* The University of Nebraska has three undergraduate campuses: University of Nebraska-Lincoln, University of Nebraska-Omaha, and University of Nebraska-Kearney.

\*\* In addition –

- GPA of 3.0 or above OR
- 20+ on the ACT, writing not required OR
- 1040 or higher on SAT, Critical Reading & Math Sections
- ACT & SAT are not admissions requirements

Credit Summary					
Language Arts: English	40	Physical Education	15	Human Resources	5
Social Studies	30	Health Education	5	Technology Education	5
Mathematics	30	Financial Literacy	5	Electives	60
Science	30	Fine and Performing Arts	5	<b>Total</b>	<b>230</b>
Graduation requirements may need to be adjusted to match Nebraska State Statute and Rule 10 Guidelines.					

## ADDITIONAL GRADUATION INFORMATION

1. A grade of four (4) or better must be maintained in any course used to fulfill graduation requirements. Should a “pass-fail” grading system be utilized in a course, only a “pass” grade will fulfill graduation requirements.
2. Students should be aware of the entrance requirements of post-secondary schools they may choose to attend.
3. In order to provide flexibility in such situations as transfers and special needs, course waivers may be submitted by staff and considered for approval by the principal.
4. Grading Guidelines for Second – Twelfth Grade (Board of Education Rule 6330.1). Graduates will be recognized for honors in accordance with the following Grade Point Averages (weighted):
  - Summa Cum Laude 4.0 and above
  - Magna Cum Laude 3.75-3.99
  - Cum Laude 3.50-3.74
5. It is strongly recommended that each student take at least 6 classes each semester, 3 per semester in a 4x4 block schedule. All students must register for a minimum of 4 classes, 2 in a 4x4 block, each semester. Credit is not given for study halls.
6. ELIGIBILITY FOR ACTIVITIES: In order to participate in interscholastic athletic competition and/or activities, Millard Public Schools requires that a student be enrolled in at least 20 credit hours per semester (Keith Lutz Horizon block, 10 credits per term) and has consistent attendance as well as having received 20 credit hours (Keith Lutz Horizon block, 10 credits per term) the immediate preceding semester.
7. CURRICULUM OPTIONS AVAILABLE TO PARENTS: In a diverse society, there may be occasional situations when parents are uncomfortable with the use of a particular book or unit in their child’s school. If families should find themselves in this position, Millard Public Schools has a long-standing policy that, at the request of parents, students may be excused from using such materials. When such a request is made, the teacher will provide alternative materials for the student. Parents should contact the principal’s office or their child’s teacher if they have questions about this policy.

## **PERSONAL LEARNING PLAN**

In addition to 230 credits required for graduation, each student must also meet the Essential Learner Outcomes of College and Career Readiness, submit the FAFSA or complete the required waiver and successfully complete his or her Personal Learning Plan (PLP).

Personal Learning Plans (PLPs) assist each student to set and achieve challenging educational goals tailored to his or her abilities, interests, and aspirations. The Personal Learning Plan includes a focus on personal, academic, and career/college areas. The Personal Learning Plan defines specific expectations for each grade level of high school.

During each of their four years, students are asked to create short-term and long-term S.M.A.R.T. Goals (Specific and Strategic, **M**easurable, **A**ttainable, **R**esults-Oriented, **T**ime-Bound) which are then monitored by the student and his or her advisor throughout the school year. Each year, students also reflect on experiences that support their preparation for college and career.

The PLP will be completed using College and Career Readiness tools and embedded in required courses. Student progress will be monitored and recorded by a school representative such as an advisor, counselor, and/or an administrator.

At least one month prior to graduation, the Senior PLP must be completed. Transfer students are expected to complete a Personal Learning Plan with the understanding that the principal (or designee) may waive previous requirements based on the entrance date of the student.

## ASSESSMENT REQUIREMENTS

In addition to 230 credits required for graduation and FAFSA or waiver submission, each student must also meet the Essential Learner Outcomes of College and Career Readiness in Reading, Mathematics, and Writing, and complete his or her Personal Learning Plan (PLP) from Board of Education Rule 6315.1.

### GRADUATION

Upon successful completion of the required credits, assessments, FAFSA submission\*, and a Personal Learning Plan, a student shall be eligible for a diploma from the Millard Public Schools.

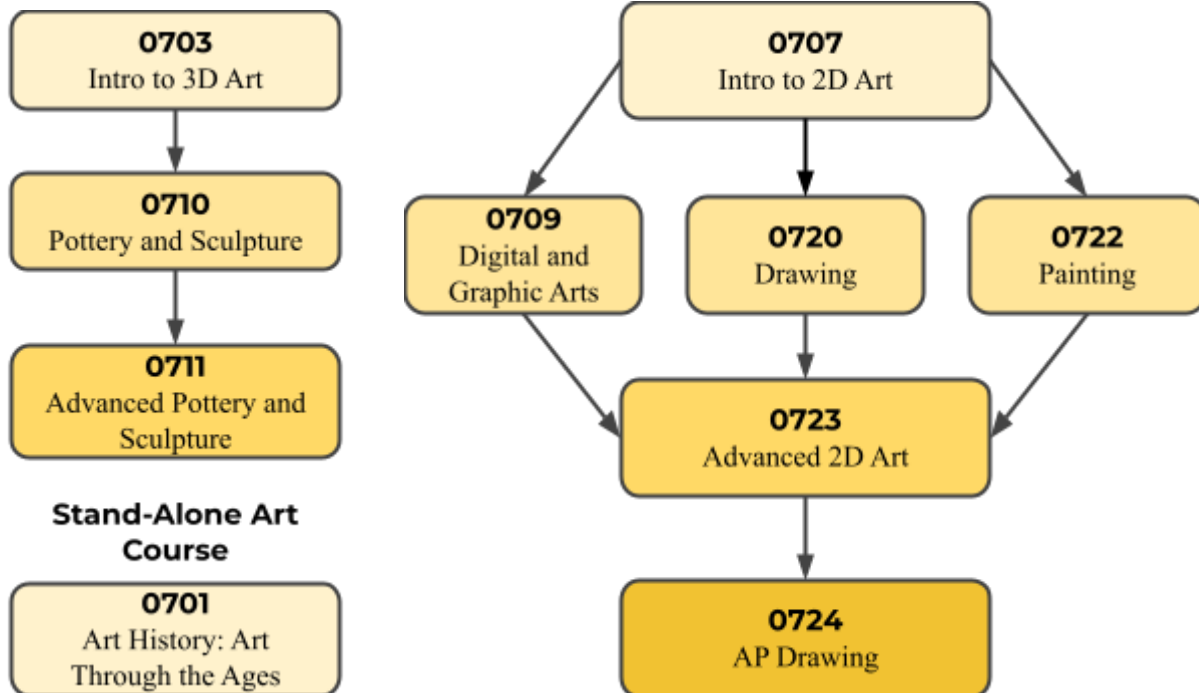
\*Beginning with the Class of 2025, each student must submit to the United States Department of Education a Free Application for Federal Student Aid (FAFSA) or complete the required waiver prior to graduation.



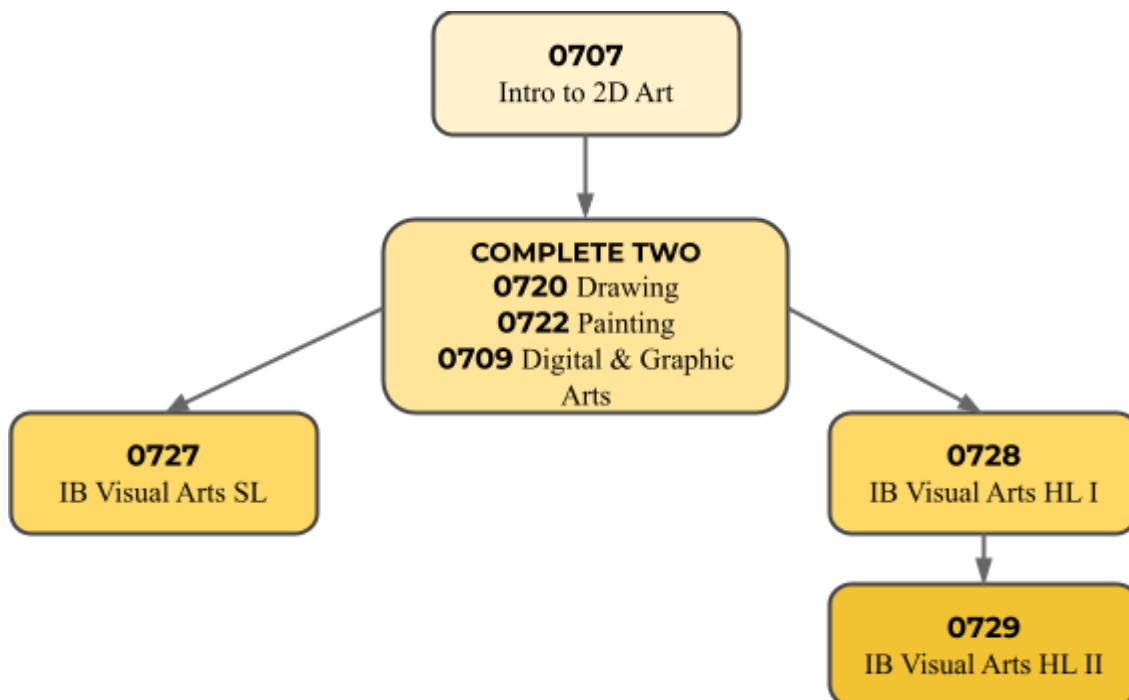
# **Course Descriptions**



**ART**



**Millard North High School  
IB Diploma Programme Students Only**



ART			
Course #	Course Name	Credits	Grad Requirement
0701	Art History: Art Through the Ages	5	F
0703	Intro to 3D Art	5	F
0707	Intro to 2D Art	5	F
0709	Digital and Graphic Arts	5	
0710	Pottery and Sculpture	5	
0711	Advanced Pottery and Sculpture	5	
0720	Drawing	5	
0722	Painting	5	
0723	Advanced 2D Art	5	
0724 A/B	AP Drawing	10	
0727 A/B	IB Visual Arts SL	10	
0728 A/B	IB Visual Arts HL I	10	
0729 A/B	IB Visual Arts HL II	10	

F = Fulfills Fine and Performing Arts Graduation Requirements

<b>ART</b>
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Materials for basic projects will be provided; however, students who select specialized projects may be required to purchase extra materials. Students may donate money, materials, or equipment to defray cost of consumable materials or appropriate personal equipment. Students who qualify for free and reduced waivers should discuss costs with their instructors.

**0701 ART HISTORY: ART THROUGH THE AGES** 5 Credits

**Description:** This course investigates the many roles of the visual arts and artists through historical, political, and other social contexts. Art history is a non-production art class. There is required reading and writing in this course to complete research and critiques. This course fulfills the Fine and Performing Arts Graduation Requirement and is not a prerequisite for any other art course.

**Prerequisites:** None

**0703 INTRO TO 3D ART** 5 Credits

**Description:** This exploratory course provides an introduction to 3-dimensional media and techniques. Students may work with clay, wire, plaster, foam, and more. Students may research artists, develop ideas, and reflect on the creative process. After completing this course, students can enroll in Pottery and Sculpture. This course fulfills the Fine and Performing Arts Graduation Requirement.

**Prerequisites:** None

**0710 POTTERY AND SCULPTURE** 5 Credits

**Description:** Pottery and Sculpture is a course in which students will explore a variety of hand-building and sculptural techniques such as pinch, slab, and coil construction. Students will also be introduced to the potter's wheel as well as simple glaze methods. Students may research artists, develop ideas, and reflect on the creative process.

**Prerequisites:** Art Foundations or Intro to 3D Art

**0711 ADVANCED POTTERY AND SCULPTURE** 5 Credits

**Description:** This is the capstone course of the 3D art track. Students will explore advanced hand-building and sculpture techniques, further development on the potter's wheel, more complex glaze application, and surface decoration. Students may research artists, develop ideas, and reflect on the creative process. This course may be repeated for elective credit.

**Prerequisites:** Pottery and Sculpture

**0707 INTRO TO 2D ART**

5 Credits

**Description:** This exploratory course is an introduction to 2-Dimensional media and techniques. The focus of this course will be drawing and painting techniques. Students may also have opportunities to work with printmaking, digital drawing and painting, or collage. Students will learn how the creative process works with 2D media and develop decision making skills. After completing this course, students may enroll in drawing, painting, and/or digital and graphic art. This course fulfills the Fine and Performing Arts Graduation Requirement.

**Prerequisites:** None

**0709 DIGITAL AND GRAPHIC ARTS**

5 Credits

**Description:** In this course, students will explore and experience numerous aspects of digital art, using a variety of computer applications. Students will develop an understanding of logo design, illustration, creation of graphics, typography, advertising, and package design. In this course, students will also explore the many career options available for graphic designers and digital artists. This course includes art production.

**Prerequisites:** Intro to 2D Art

**0720 DRAWING**

5 Credits

**Description:** Drawing is a course designed to give students an in-depth experience in drawing techniques and to improve their drawing skills. Students will develop techniques in portraiture, landscape, still life, and perspective drawing. This course will use a variety of media such as graphite, colored pencils, chalk, charcoal, digital drawing, and ink. Students may research artists, develop ideas, and reflect on the creative process.

**Prerequisites:** Art Foundations or Intro to 2D Art

**0722 PAINTING**

5 Credits

**Description:** Painting is a course designed to give students an in-depth experience in painting techniques and to improve their painting skills. Students will develop an understanding of realistic, abstract, and non-objective painting styles and may work with watercolor, gouache, and acrylic. Students may research artists, develop ideas, and reflect on the creative process.

**Prerequisites:** Intro to 2D Art

**0723 ADVANCED 2D ART**

5 Credits

**Description:** This course challenges students with an emphasis on advanced techniques, application of design, and communication of broad concepts. Students have the opportunity to choose their preferred media such as drawing, painting, or digital art media when developing and creating their artwork. In this course, students will study artists and styles from the past and present and how those works might influence their own style and art creation. After completing this course, students can enroll in AP Drawing.

**Prerequisites:** Digital and Graphic Arts, Drawing, or Painting

**0724 ADVANCED PLACEMENT® DRAWING**

10 Credits

**Description:** Accepted media for the course include drawing media, painting media, printmaking, and digital drawing or digital painting. This advanced placement course will develop students' skills in drawing as they experiment with different materials and processes. Students will create artworks that reflect their own ideas, skills, and knowledge. Artworks should focus on the use of drawing skills, including mark-making, line, surface, space, light and shade, and composition. Students will submit a portfolio of artwork for evaluation at the end of the school year. The AP teacher will mail physical works to the AP Program and students will also upload digital images of work and commentary online.

**Prerequisites:** Advanced 2D Art

**0727 IB VISUAL ARTS SL**

11-12 North only

10 Credits

**Description:** IB Visual Arts SL will immerse the art student in a year-long experience of studio production and the completion of a research workbook. Emphasis will be placed on the studio production, with each student completing a body of work to be displayed and evaluated at the end of the year. Research workbooks will include student's personal research; awareness of cultural, historical and social dimensions of themes; examination of visual and functional qualities of art; and relationship of visual and written self-expression. The development of original ideas, the discovery of creative solutions, global study and the acquisition of technical skills by the student will be the core areas of evaluation at the end of the course in both the studio and workbook areas. The curriculum will involve a variety of problem solving units with an emphasis on the following: aesthetic qualities of a body of work, relationship between form and meaning in visual arts, and the social and cultural functions of the visual arts.

**Prerequisites:** Choose two: 0720 Drawing, 0722 Painting, OR 0709 Digital & Graphic Arts

**0728 IB VISUAL ARTS HL I****11****North only**

10 Credits

**Description:** IB Visual Arts involves the advanced art student in year one of a two-year rigorous and comprehensive art program that combines both studio work and research in the form of a research workbook. Each student will be engaged in a two-year commitment to the development of ideas, discovery of creative solutions and acquisition of technical skills. Studio emphasis will be on the following: aesthetic quality of a body of work, relationship between form and meaning in visual arts, and the social and creative functions of the visual arts. Each student will be responsible for a visual display of the portfolio by the teacher and an IB evaluator. Research workbooks will emphasize personal research; awareness of cultural, historical and social dimensions of themes; examination of visual and functional qualities of art; and relationship of visual and written self-expression.

**Prerequisites:** Choose two: 0720 Drawing, 0722 Painting, OR 0709 Digital & Graphic Arts

**0729 IB VISUAL ARTS HL II****12****North only**

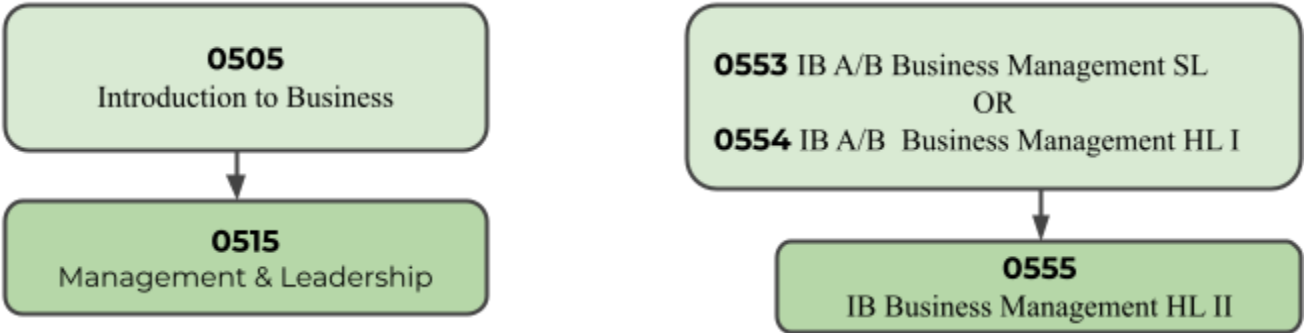
10 Credits

**Description:** IB Visual Arts involves the advanced art student in the second of a two-year rigorous and comprehensive art program that combines both studio work and research in the form of a research workbook. Each student will be engaged in a two-year commitment to the development of ideas, discovery of creative solutions and the acquisition of technical skills. Studio emphasis will be on the following: aesthetic quality of a body of work, relationship between form and meaning in visual arts and the social and creative functions of the visual arts. Each student will be responsible for a visual display of the portfolio by the teacher and an IB evaluator. Research workbooks will emphasize personal research; awareness of cultural, historical and social dimensions of themes; examination of visual and functional qualities of art; and relationship of visual and written self-expression.

**Prerequisites:** IB Visual Arts HL I

# BUSINESS, MARKETING, & MANAGEMENT

## Business Management & Administration Pathway



**Additional Pathway Courses**  
0510 Business Law & Ethics    0538 Entrepreneurship

## Finance Pathway



**Additional Pathway Courses**  
0500 Personal Finance\*    0540 AP Macroeconomics    0541 AP Microeconomics

## Marketing Pathway



**Additional Pathway Courses**  
0551 Entertainment and Sports Marketing

## Work-Based Learning Experiences

0557 Business Management (WBL)    0558 Finance (WBL)    0559 Marketing (WBL)

## BUSINESS, MARKETING, & MANAGEMENT

Course #	Course Name	Credits	Grad Requirement
<b>Business Management and Administration Pathway</b>			
0505	Introduction to Business	5	
0510	Business Law and Ethics	5	
0515	Management and Leadership	5	
0538	Entrepreneurship	5	
0553 A/B	IB Business Management SL	10	
0554 A/B	IB Business Management HL I	10	
0555 A/B	IB Business Management HL II	10	
<b>Finance Pathway</b>			
0500	Personal Finance	5	FL
0502	Accounting I	5	
0503	Accounting II	5	
0540	AP Macroeconomics	5	
0541	AP Microeconomics	5	
0542	Accounting III	5	
0543	Managerial Accounting	5	
<b>Marketing Pathway</b>			
0551	Entertainment and Sports Marketing	5	
0552 A/B	Marketing	10	
0553 A/B	Applied Marketing	10	
V0553 A/B	Applied Marketing	10	
0556	Digital Marketing	5	
<b>Work-Based Learning</b>			
0557	Business Management Work-Based Learning	5	
0558	Finance Work-Based Learning	5	
0559	Marketing Work-Based Learning	5	

FL = Fulfills Financial Literacy Graduation Requirement

## BUSINESS, MARKETING, AND MANAGEMENT

### BUSINESS MANAGEMENT AND ADMINISTRATION PATHWAY

#### 0505 INTRODUCTION TO BUSINESS

5 Credits

**Description:** Students will learn the basics of the business world and how it functions by examining economics, accounting, marketing, management, and entrepreneurship. Concepts in this course will provide a background for other business courses, assist with consumer decision-making, and help to develop skills that employers seek in potential employees.

**Prerequisites:** None

#### 0515 MANAGEMENT AND LEADERSHIP

11-12

5 Credits

**Description:** Students will examine the characteristics of a strong business leader. This course addresses characteristics, organization, and operation of business as major sectors of the economy. Students will investigate management issues involved in planning, organizing, leading, and controlling an organization. This course is recommended for all students planning to major in Business in college.

**Prerequisites:** None



**0510 BUSINESS LAW AND ETHICS**

5 Credits

**Description:** Students will develop an understanding of laws and regulations that impact business. Topics include corporate law, contracts, consumer protection, and employment law. Students will also acquire knowledge of business torts, sources of law, and the legal procedures of the United States judicial system.

**Prerequisites:** None

**0538 ENTREPRENEURSHIP**

5 Credits

**Description:** Students will learn the essentials of starting and operating a new business by producing a business plan for an entrepreneurial venture. They will explore the big picture of entrepreneurship in the United States understanding the impact on the national and global economy. In this course, students will develop their leadership, communication, and human relations skills.

**Prerequisites:** None

**0553 IB BUSINESS MANAGEMENT SL**

North only

10 Credits

**Description:** IB Business Management SL is a one year IB course which develops students' knowledge and understanding of business management theories, as well as their ability to apply a range of tools and techniques. The course encourages the appreciation of ethical concerns at a local and global level, and covers a range of organizations from all sectors, as well as the sociocultural and economic contexts in which those organizations operate. Students will examine the characteristics of business organization and environment, human resource management, finance and accounting, marketing and operations management.

**Prerequisites:** None

**0554 IB BUSINESS MANAGEMENT HL I**

North only

10 credits

**Description:** IB Business Management HL I is the first course in a two-year sequence culminating with the IB Business HL exams in May of the student's senior year. This course develops students' knowledge and understanding of business management theories, as well as their ability to apply a range of tools and techniques. The course encourages the appreciation of ethical concerns at a local and global level, and covers a range of organizations from all sectors, as well as the sociocultural and economic contexts in which those organizations operate. Students will examine the characteristics of business organization and environment, human resource management, finance and accounting, marketing and operations management. Students will develop subject-specific skills, such as financial analysis. In addition to the core curriculum taught in the SL course, HL I students are expected to complete extension areas of studies in each of the five units, adding depth and breadth to the course.

**Prerequisites:** None

**0555 IB BUSINESS MANAGEMENT HL II**

North only 12

10 Credits

**Description:** IB Business Management HL II is the second course in a two-year sequence, culminating with the IB Business HL exams in May of the student's senior year. Students who have successfully completed IB Business Management HL I will continue to develop and expand their knowledge and understanding of business management theories, as well as continue to apply a range of tools and techniques. The course encourages the appreciation of ethical concerns at a local and global level. Students will develop the ability to think critically, make ethically sound and well-informed decisions, appreciate the pace, nature and significance of change, think strategically and undertake long term planning, analysis, and evaluation. Students will develop subject-specific skills, such as financial analysis. In addition to the core curriculum taught in the SL course, HL students are expected to complete extension areas of studies in each of the five units, adding depth and breadth to the course.

**Prerequisites:** IB Business Management SL/HL I

## FINANCE PATHWAY

### 0500 PERSONAL FINANCE

10-12

5 Credits

**Description:** Students will learn the skills necessary to manage their financial resources for lifetime financial security. The goal of Personal Finance is to help students to become financially responsible, conscientious members of society. This course develops students' understanding and skills in areas such as financial goal setting, buying goods and services, banking and savings, using credit, investment, and protection management. This course fulfills the Financial Literacy Graduation Requirement.

**Prerequisites:** None

### 0502 ACCOUNTING I

5 Credits

**Description:** Students will learn the accounting cycle, record financial transactions, and prepare financial statements for a service business. This course is a comprehensive introduction to basic accounting as the first in a sequence of courses that prepares students for careers in business and college-level accounting.

**Prerequisites:** None

### 0503 ACCOUNTING II

5 Credits

**Description:** Students will expand their understanding of accounting principles by learning to analyze records, interpret financial data, and apply adjustments for a merchandising partnership or corporation. This is the second in a sequence of courses that prepares students for careers in business and college-level accounting.

**Prerequisites:** Accounting I

### 0542 ACCOUNTING III

5 Credits

**Description:** Students will further develop their understanding of advanced accounting concepts. Students will evaluate financial planning and decision-making for operating activities and capital investments. This course will expand student accounting knowledge to understand corporate accounting. Accounting III is strongly recommended for students planning on majoring in Business in college.

**Prerequisites:** Accounting II

### 0543 MANAGERIAL ACCOUNTING

5 Credits

**Description:** Students will learn how to provide accounting information to assist management in decision-making, planning, and control. Budgeting, management decision-making, financial statement analysis and statements of cash flows will be covered in this course. Managerial Accounting is strongly recommended for students planning on majoring in Business in college.

**Prerequisites:** Accounting III

### 0540 ADVANCED PLACEMENT® MACROECONOMICS

5 Credits

**Description:** Advanced Placement® Macroeconomics is a fast-paced college-level course that focuses on the decision making of individuals, businesses, and the government. Students will study a variety of economic theories and analyze their practical application in the real world. This course will cover macroeconomics. Macroeconomics focuses on the economy as a whole, including economic measures, economic growth, fiscal policy, monetary policy, and international economics. This course will prepare students to take the Advanced Placement® Macroeconomics exam. Students are encouraged to enroll in both AP Macroeconomics and AP Microeconomics during the same academic year.

**Prerequisites:** Statement from College Board - "Students should be able to read a college-level textbook and possess basic mathematics and graphing skills."

### 0541 ADVANCED PLACEMENT® MICROECONOMICS

5 Credits

**Description:** Advanced Placement® Microeconomics is a fast-paced college-level course that focuses on the decision making of individuals, businesses, and the government. Students will study a variety of economic theories and analyze their practical application in the real world. Advanced Placement® Microeconomics focuses on the supply and demand for products, the labor markets, and the role of competition in a free market system. This course will prepare students to take the Advanced Placement® Microeconomics exam. Students are encouraged to enroll in both AP Macroeconomics and AP Microeconomics during the same academic year.

**Prerequisites:** Statement from College Board - "Students should be able to read a college-level textbook and possess basic mathematics and graphing skills."

## MARKETING PATHWAY

### 0551 ENTERTAINMENT AND SPORTS MARKETING

5 Credits

**Description:** Students will develop skills in the areas of event management, sponsoring, ticket marketing, branding, roles of public relations, and career opportunities as they relate to the entertainment and sports industries. Entertainment and Sports Marketing is a specialized course to develop marketing knowledge and skills related to the growing event marketing industry. Students enrolled in this course are eligible to participate in DECA.

**Prerequisites:** None

### 0552 MARKETING

10-12

10 Credits

**Description:** Students will understand the functions of marketing, including product service management, promotion, pricing, selling, and channel management. Students will apply communication, leadership, and technology skills while developing their employability and career development strategies. Students enrolled in this course are eligible to participate in DECA.

**Prerequisites:** None

### 0556 DIGITAL MARKETING

5 Credits

**Description:** No longer is Digital Marketing simply a buzzword. Digital Marketing transforms how businesses market and communicate to consumers. This one-semester course will expand students' knowledge in marketing through exploration of emerging technologies and incorporate the use of current digital marketing and traditional marketing strategies. Students enrolled in this course are eligible to participate in DECA.

**Prerequisites:** Marketing

### 0553 APPLIED MARKETING

11-12

10 Credits

**Description:** Students will apply concepts of business development to conduct market research analysis, create start-up business plans, and propose promotional activities for current businesses and local organizations. Students will demonstrate communication, interpersonal, leadership, and technology skills while developing their employability and career development strategies in project-based activities. Applied Marketing is recommended for college bound students and/or students who are interested in starting their own business. Students enrolled in this course are eligible to participate in DECA.

**Prerequisites:** 0552 Marketing OR ATD20 OR AEN65 Principles of Marketing OR 0554 IB Business Management  
SL/HL I

### V0553 APPLIED MARKETING

11-12

10 Credits

**Description:** This course will be offered in a blended learning instructional format. Blended learning courses use a combination of best practices, including online learning and face-to-face instruction. Teachers will communicate a schedule of face-to-face learning time for their course. When students are not meeting with a teacher, they will engage in "independent learning" in designated areas or may leave campus if they have open campus privileges. Students will be offered opportunities for collaboration or for quiet study in the library on days when they are not meeting in their classroom. This course follows the same curriculum guide and uses the same instructional materials as the traditional face-to-face course. The class is taught by Millard teachers and will begin and end on the same dates as the face-to-face course. Grades and credits are calculated the same in blended as traditional learning courses. Final exams will be administered during the regular final exam schedule. There are a limited number of sections that will be offered as the blended learning format. To participate in a blended learning course, submit your request at the time of course registration.

Applied Marketing students will apply concepts of business development to conduct market research analysis, create start-up business plans, and propose promotional activities for current businesses and local organizations. Students will demonstrate communication, interpersonal, leadership, and technology skills while developing their employability and career development strategies in project-based activities.

Applied Marketing is recommended for college bound students and/or students who are interested in starting their own business. Students enrolled in this course are eligible to participate in DECA.

**Prerequisites:** 0552 Marketing OR ATD20 OR AEN65 Principles of Marketing OR 0554 IB Business Management  
SL/HL I

## WORK-BASED LEARNING EXPERIENCES

Career and Technical Education (CTE) Work-Based Learning (WBL) is a capstone course that connects students with employers to prepare them for success in an ever-changing workplace. WBL is a supervised meaningful experience related to the career interests of learners that enables students to apply their career and technical education in a real work setting. This workplace experience is a proactive approach to bridge previous career and technical education coursework and workplace performance.

### **Student Work-Based Learning Experience Course Expectations:**

- Secure their own job
- Participate in a meaningful and approved Work-Based Learning Experience
- Work a minimum of 120 hours per semester (approx. 7 hours/week)
- Provide their own transportation
- Complete Work-Based Learning Experience documents
- Participate in Safety and Equipment Training where required

### **0557 BUSINESS MANAGEMENT WORK-BASED LEARNING EXPERIENCE 11-12 5 Credits/Semester**

**Prerequisites:** Students must be in their Junior or Senior year and be concurrently enrolled in this capstone course: 0515 Management and Leadership.

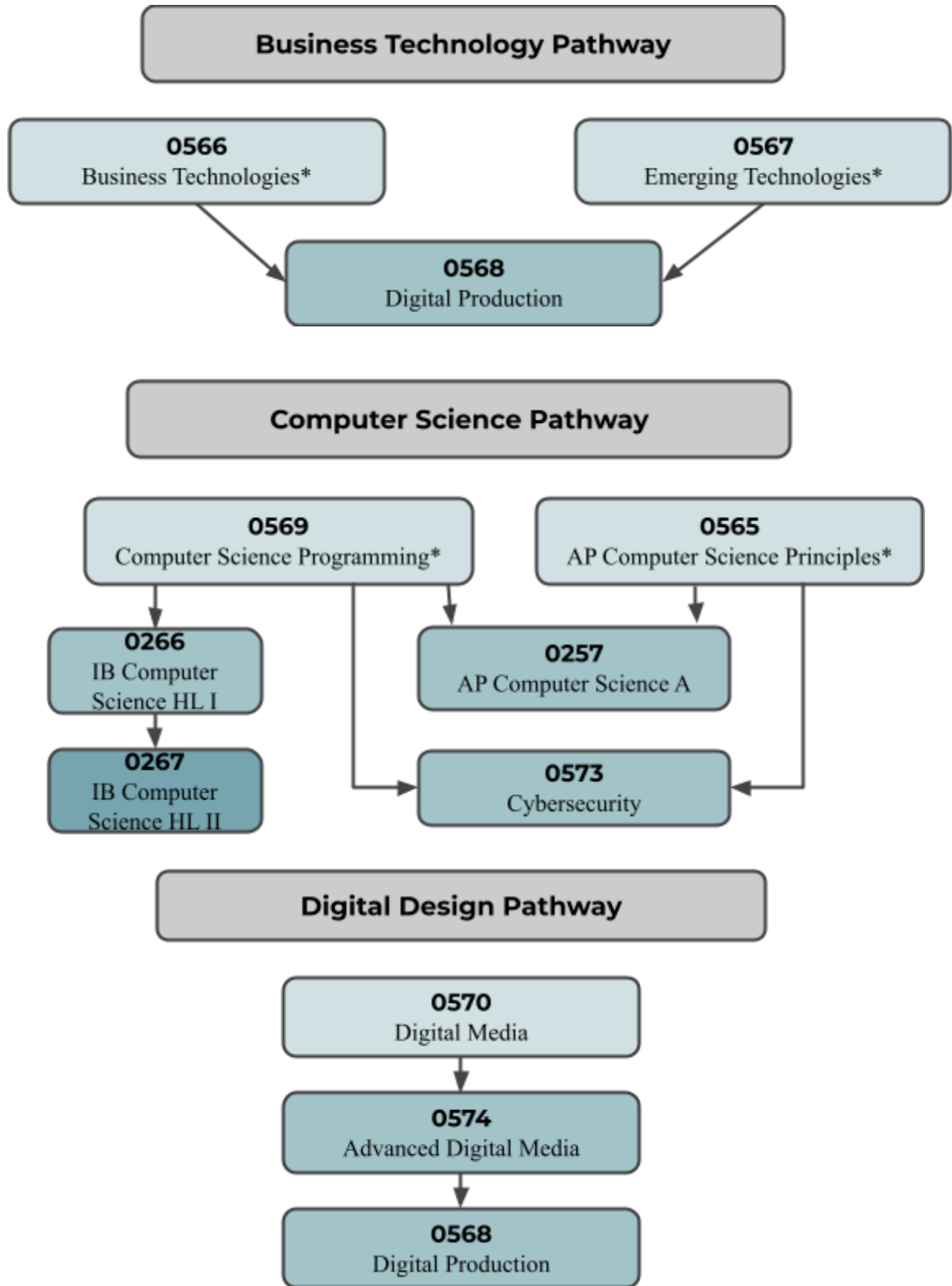
### **0558 FINANCE WORK-BASED LEARNING EXPERIENCE 11-12 5 Credits/Semester**

**Prerequisites:** Students must be in their Junior or Senior year and be concurrently enrolled in one of these capstone courses: 0542 Accounting III, 0543 Managerial Accounting, 0541 AP Microeconomics, or 0540 AP Macroeconomics

### **0559 MARKETING WORK-BASED LEARNING EXPERIENCE 11-12 5 Credits/Semester**

**Prerequisites:** Students must be in their Junior or Senior year and be concurrently enrolled in one of these capstone courses: 0553 Applied Marketing or 0556 Digital Marketing.

# COMMUNICATION & INFORMATION SYSTEMS



## COMMUNICATION & INFORMATION SYSTEMS

Course #	Course Name	Credits	Grad Requirement
<b>Business Technology Pathway</b>			
0566	Business Technologies	5	T
0567	Emerging Technologies	5	T
<b>Computer Science Pathway</b>			
0266 A/B	IB Computer Science HL I	10	
0267 A/B	IB Computer Science HL II	10	
0569	Computer Science Programming	5	T
0565 A/B	AP Computer Science Principles	10	T
0257 A/B	AP Computer Science A	10	
0573	Cybersecurity	5	
<b>Digital Design Pathway</b>			
0570	Digital Media	5	
0568	Digital Production	5	
0574	Advanced Digital Media	5	

T = Fulfills Technology Education Graduation Requirement

## COMMUNICATION AND INFORMATION SYSTEMS

### BUSINESS TECHNOLOGY PATHWAY

#### 0566 BUSINESS TECHNOLOGIES

5 Credits

**Description:** Students will think analytically and manipulate information using productivity software. Students will demonstrate digital citizenship while practicing professional communication techniques by collaborating and communicating via the Internet. Students will apply the legal, ethical, and social responsibilities of computing. This course fulfills the Technology Education Graduation Requirement.

**Prerequisites:** None

#### 0567 EMERGING TECHNOLOGIES

5 Credits

**Description:** Students will explore emerging technologies as it applies to their success for high school, college, and career. The course will emphasize digital citizenship and communication practices. Students will apply the legal, ethical, and social responsibilities of computing. This course fulfills the Technology Education Graduation Requirement.

**Prerequisites:** None

### COMPUTER SCIENCE PATHWAY

#### 0569 COMPUTER SCIENCE PROGRAMMING

5 Credits

**Description:** Students will learn to code in a text-based computing language. Computer science is a foundational part of every career field in an increasingly digital world. Programming in this course will focus on establishing a basis for using computational thinking techniques, creativity, and refining practices. Students will apply the legal, ethical, and social responsibilities of computing. This course fulfills the Technology Education Graduation Requirement.

**Prerequisites:** None

**0565 ADVANCED PLACEMENT® COMPUTER SCIENCE PRINCIPLES** 10 Credits

**Description:** Students will learn the foundational concepts of computer science and will be challenged to explore how computing and technology can influence the world. This course is more than a traditional introduction to programming; it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these concepts are transforming the world we live in. Students will employ creativity and problem solving to explore and create computational artifacts. Students will apply the legal, ethical, and social responsibilities of computing. This course will prepare students to take the Advanced Placement® Computer Science Principles exam. This course fulfills the Technology Education Graduation Requirement.

**Prerequisites:** None

**0257 ADVANCED PLACEMENT® COMPUTER SCIENCE A** 10 Credits

**Description:** Students will utilize object-oriented programming methodology for problem solving and algorithm development. This course also includes the study of data structures, design, and abstraction. Students will utilize object-oriented programming methodology for problem solving and algorithm development. This course also includes the study of data structures, recursion, best design practices, and abstraction. Students will apply the legal, ethical, and social responsibilities of computing. Completion of this course will prepare students to take the Advanced Placement® Computer Science exam.

**Prerequisites:** Computer Science Programming, Introduction to Computer Science, or Advanced Placement® Computer Science Principles

**0573 CYBERSECURITY** 5 Credits

**Description:** Students will investigate the practice of protecting systems, networks, and programs from digital attacks. The course will introduce broad tools and concepts applied to both offensive and defensive data management. Students will apply philosophical and computational thinking to a variety of cybersecurity practices that influence all individuals, corporations, and nations. Through a broad range of computer science topics, students will apply the legal, ethical, and social responsibilities of computing.

**Prerequisites:** Computer Science Programming, Introduction to Computer Science, or Advanced Placement® Computer Science Principles

**0266 IB COMPUTER SCIENCE HL I** 11 North only 10 Credits

**Description:** Computer Science HL I is year one of a two-year, rigorous and practical problem solving course, centered on the study of general purpose thinking machines. Students will apply philosophical and computational thinking to a variety of computing topics including: big data, networks, cyber security, algorithms, and the global impact technology has on society. This course also promotes the appreciation of the legal, ethical, and social responsibilities of computing.

**Prerequisites:** Computer Science Programming, or AP Computer Science Principles, and completion of or concurrent enrollment in Algebra 3 and Algebra 4 Probability and Statistics

**0267 IB COMPUTER SCIENCE HL II** 12 North only 10 Credits

**Description:** Computer Science HL II is year two of a two-year, rigorous and practical problem solving course, centered on the study of pure logic and computational thinking. Students will develop skills in the art of designing algorithms which solve real problems. This will be supported by practical activities focused on programming in Java with emphasis on object-oriented programming. Students will design and create programs that dynamically respond to a wide variety of input in a meaningful and purposeful way. This course also provides an introduction into data structures, recursion, and creating graphical user interfaces (GUI).

**Prerequisites:** IB Computer Science HL I

## DIGITAL DESIGN PATHWAY

**0570 DIGITAL MEDIA** 5 Credits

**Description:** Students will create, design, and produce digital media. Emphasis will be placed on the effective use of industry standard tools for interactive multimedia production. Students will apply the legal, ethical, and social responsibilities of computing. This course fulfills the Technology Education Graduation Requirement only when taken in or before the 24/25 school year.

**Prerequisites:** None

**0574 ADVANCED DIGITAL MEDIA**

5 Credits

**Description:** Students will develop advanced skills to plan, design, and create interactive projects using elements of texts, graphics, and digital imaging. These skills will prepare students for entry-level positions in the digital design field. This course will focus on effective page layout, image creation and manipulation, interactivity, content creation, and project management. Students will apply the legal, ethical, and social responsibilities of computing.

**Prerequisites:** Digital Media

**0568 DIGITAL PRODUCTION**

5 Credits

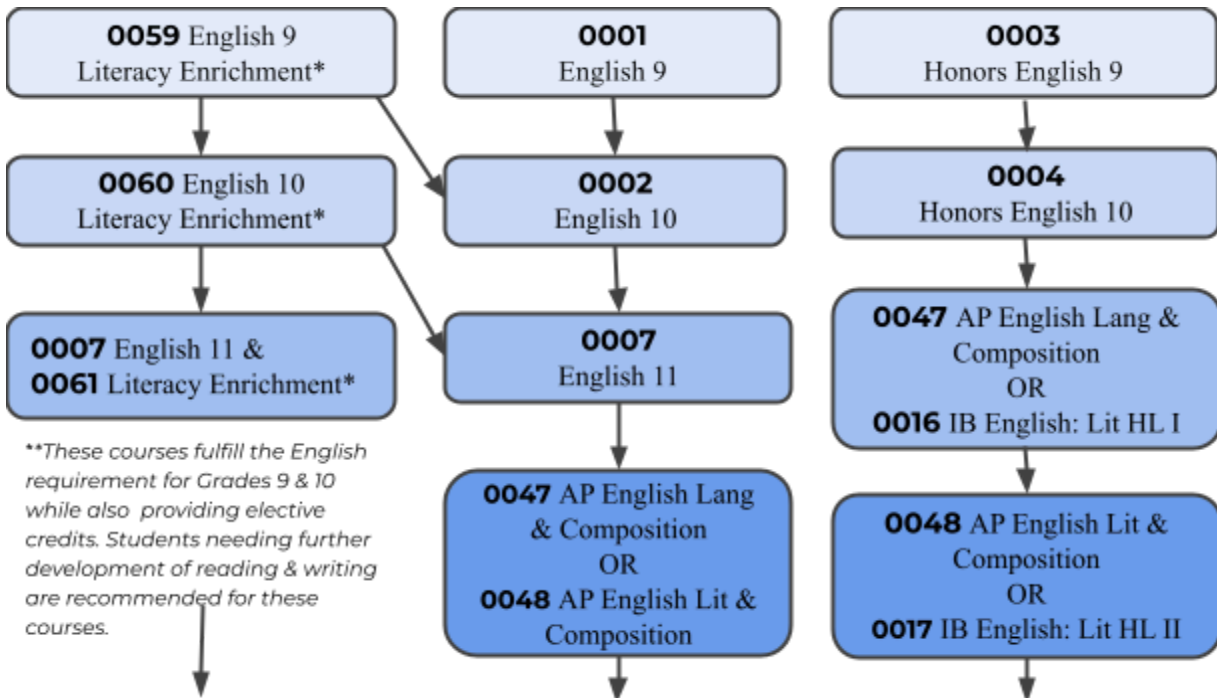
**Description:** Students who have completed the Digital Design sequence will pursue advanced pathway applications. Students will work independently or collaboratively to complete problem-based learning projects. Students will evaluate the client's needs to produce professional digital presentations. Finally, students will complete a capstone project or create a digital portfolio. The legal, ethical, and social responsibilities of computing will be stressed.

**Prerequisites:** Advanced Digital Media



# ENGLISH LANGUAGE ARTS

Preferred Sequences



*\*\*These courses fulfill the English requirement for Grades 9 & 10 while also providing elective credits. Students needing further development of reading & writing are recommended for these courses.*

- English Selected Electives**
- 0033** Creative Writing
  - 0035** College Writing
  - 0062** Literacy for Life
  - 0065** Literature for Film
  - 0067** Global Perspectives through Literature
  - 0068** Contemporary Literature
  - 0069** Media Analysis
  - 0076** Popular Genres in Literature

**Oral Communications Graduation Requirement**

*Students must take at least one of the following in high school:*

- 0020** Speech
- 0021** Forensics: Competitive Speech
- 0022** Debate
- 0023** Competitive Debate

**Post-Secondary Planning**

*Most universities/colleges require four full years of English. Speech/Debate may not count as English.*

**MNHS Only**

*The combination of IB Language A1 and IB Language B and Theory of Knowledge I and II fulfills this requirement.*

- Additional General Electives**
- Do NOT fulfill English credit*
- 0013** Yearbook
  - 0020** Speech
  - 0021** Forensics: Competitive Speech
  - 0022** Debate
  - 0023** Competitive Debate
  - 0024** Theatre & Performance I\*\*
  - 0025** Theatre & Performance Adv. Studies
  - 0026** Theatre Technology
  - 0039** Theatre Appreciation\*\*
  - 0064** Intro to Journalism, Photojournalism, and Broadcast Journalism
  - 0066** Advanced Journalism
  - 0077** Broadcast Journalism
  - 0073** IB Film SL\*
  - 0074** IB Film HL I\*
  - 0075** IB Film HL II\*

\*MNHS Only \*\*Fulfills Fine and Performing Arts requirement

## ENGLISH LANGUAGE ARTS

Course #	Course Name	Credits	Grad Requirement
0001 A/B	English 9	10	
0059 A/B	English 9 Literacy Enrichment	10/10	
0003 A/B	Honors English 9	10	
0002 A/B	English 10	10	
0060 A/B	English 10 Literacy Enrichment	10/10	
0004 A/B	Honors English 10	10	
0007 A/B	English 11	10	
0061 A/B	Literacy Enrichment 11	10	
0047 A/B	AP English Language and Composition	10	
0048 A/B	AP English Language and Composition	10	
0016 A/B	IB English: Literature HL I	10	
0017 A/B	IB English: Literature HL II	10	
<b>English Electives</b>			
0033	Creative Writing	5	
0035	College Writing	5	
V0035	College Writing	5	
0062	Literacy for Life	5	
0065	Literature and Film	5	
0067	Global Perspectives Through Literature	5	
0068	Contemporary Literature	5	
0069	Media Analysis	5	
0076	Popular Genres in Literature	5	
<b>Oral Communications</b>			
0020	Speech	5	OC
0021 A/B	Forensics: Competitive Speech	10	OC
0022	Debate	5	OC
0023 A/B	Competitive Debate	10	OC
<b>Drama</b>			
0024	Theatre and Performance I	5	F
0025	Theatre and Performance: Advanced Studies	5	
0026	Theatre Technology	5	
0039	Theatre Appreciation	5	F
<b>Journalism</b>			
0064	Introduction to Journalism, Photojournalism, and Broadcast Journalism	5	
0066 A/B	Advanced Journalism	10	
0013 A/B	Yearbook	10	
0077	Broadcast Journalism	5	
0073 A/B	IB Film SL	10	
0074 A/B	IB Film HL I	10	
0075 A/B	IB Film HL II	10	

F = Fulfills Fine and Performing Art Graduation Requirement      OC = Fulfills Oral Communications Graduation Requirement

Once the student has successfully completed Competitive Debate, Advanced Journalism, Broadcast Journalism, Forensics: Competitive Speech, Theatre and Performance: Advanced Studies, Theatre Technology, or Yearbook, the course may be repeated for elective credit (pending available space).

## ENGLISH LANGUAGE ARTS

### 0001 ENGLISH 9

10 Credits

#### **Introduction to Literature and Composition**

**Description:** This course provides students with the opportunity to analyze, interpret, and respond to classic and contemporary literature including short stories, novels, poetry, drama, memoirs, film, non-fiction, and visual texts. Students will implement a variety of reading, writing, and speaking strategies to make thematic connections between classic and contemporary texts. Students will be introduced to analytical writing, writing in response to texts, and writing based on audience, purpose, and a range of structures.

**Prerequisites:** None

### 0002 ENGLISH 10

10 Credits

#### **World Literature and Composition**

**Description:** In World Literature and Composition, students will advance their language skills through reading, writing, speaking, and multiple literacies. Students will explore thematic connections between Western and World Literature using a multitude of texts including short stories, novels, poetry, non-fiction, drama, and visual and digital texts. Students will develop skills related to navigating complex texts, identifying and utilizing appropriate writing standards, and developing the research process. Students will analyze print and multimedia texts to prepare for the demands of the 21<sup>st</sup> century. Students will use literacy skills to create a variety of relevant products including, but not limited to, essays, presentations, and creative critical thinking activities.

**Prerequisites:** English 9 or English 9 Literacy Enrichment

### 0003 HONORS ENGLISH 9

10 Credits

#### **World Literature and Advanced Composition**

**Description:** This course provides an advanced curriculum from Contemporary, Western, and World Literature that will advance language skills through reading, writing, speaking, and multiple literacies. Students will explore thematic connections between a multitude of texts including short stories, novels, poetry, non-fiction, drama, and visual and digital texts. In World Literature and Advanced Composition, students will develop skills related to navigating complex texts, analytical writing, and developing the research process. This course will develop culturally literate people who use academic discourse to communicate effectively. Students who take this course are expected to be self-motivated learners with strong reading, writing, and critical thinking skills.

**Prerequisites:** None

### 0004 HONORS ENGLISH 10

10 Credits

#### **American Literature and Advanced Composition**

**Description:** Through this course, students will explore how American literature reflects the identities and cultures of the United States. Students will become adept at analyzing challenging texts from a variety of genres through diverse cultural, racial, and gender perspectives and voices in historical and contemporary literature. By analyzing the authors' views and social context, students will continue to develop skills related to navigating complex texts, analytical writing, and developing the research process. Students who take this course will have high levels of language competencies and enjoy an academic challenge.

**Prerequisites:** Honors English 9

### 0007 ENGLISH 11

10 Credits

#### **American Literature and Composition**

**Description:** Through this course, students will explore how American literature reflects the identities and cultures of the United States. Students will become adept at analyzing challenging texts from a variety of genres through cultural, racial, and gender perspectives in historical and contemporary literature. By analyzing the authors' views and social context, students will delve into deeper understanding of language, literature, and the writing and research process. Students will study a variety of texts including short stories, novels, poetry, drama, fiction, non-fiction, and visual and digital texts. Students will be assessed using a variety of methods including, but not limited to, essays, presentations, and creative critical thinking activities.

**Prerequisites:** English 10 or English 10 Literacy Enrichment

### **0013 YEARBOOK**

**Stampede – NHS, The Patriot – SHS, Prowler – WHS**

10 Credits

**Description:** Make history! In this course, students will expand the skills of photography, layout and design, interviewing, and journalistic writing to capture the memories and tell the stories of the school year in a published yearbook. Attendance at school events outside of the regular school day is required. Student work can be submitted for local, state, and national contests, including the NSAA sponsored State Journalism Competition. The course may be repeated for elective credit.

**Prerequisites:** Intro to Journalism, Photojournalism, and Broadcast Journalism or permission from the instructor

### **0016 IB ENGLISH: LITERATURE HL I**

**11 North only**

10 Credits

**Description:** Students will focus exclusively on literary texts, adopting a variety of approaches to textual criticism. Students explore the nature of literature, the aesthetic function of literary language and textuality, and the relationship between literature and the world. Throughout both HL I and HL II, students will study 13 texts, at least four of which will be works written in translation by authors on the Prescribed Reading List, at least five of which will be works written in English, and at least four works freely chosen by the school. Students will learn about the various manifestations of literature as a powerful mode of writing across cultures and throughout history. They will explore and develop an understanding of factors that contribute to the production and reception of literature.

**Prerequisites:** Honors English 10

### **0017 IB ENGLISH: LITERATURE HL II**

**12 North only**

10 Credits

**Description:** Through close analysis of literary texts in a number of forms and from different times and places, students will consider their own interpretations, as well as the critical perspectives of others. In turn, this will encourage the exploration of how viewpoints are shaped by cultural belief systems and how meanings are negotiated within them. Students will be involved in processes of critical response and creative production, which will help shape their awareness of how texts work to influence the reader and how readers open up the possibilities of texts. Throughout both HL I and HL II, students will study 13 texts, at least four of which will be works written in translation by authors on the Prescribed Reading List, at least five of which will be works written in English, and at least four works freely chosen by the school. With its focus on literature, this course is particularly concerned with developing sensitivity to aesthetic uses of language and empowering students to consider the ways in which literature represents and constructs the world and social and cultural identities.

**Prerequisites:** IB English: Literature HL I

### **0020 SPEECH**

5 Credits

**Description:** This is an introductory course designed to assist students in understanding and improving their skill in effective communication. Speech is a performance-based course that will allow students to apply the skills learned in class using a variety of activities, such as: public speaking, self-critique, and group work. In addition, all students will complete a mock job interview unit which assists in meeting graduation requirements. This course fulfills the Oral Communications Graduation Requirement.

**Prerequisites:** None

### **0021 FORENSICS: COMPETITIVE SPEECH**

10 Credits

**Description:** Forensics is a two-semester course designed for students interested in competitive speaking and acting activities. This course is developed around competitive events sanctioned by the Nebraska School Activities Association (NSAA) and the National Speech and Debate Association (NSDA). Students will be exposed to researching, writing, and presenting speeches, along with analyzing and performing works of literature. Students will be expected to compete in tournaments, a majority of which will take place on weekends. In addition, all students will complete a mock job interview unit which assists in meeting graduation requirements. Upon successful completion, this course may be repeated for elective credit (pending available space and instructor approval). This course fulfills the Oral Communications Graduation Requirement.

**Prerequisites:** None

### **0022 DEBATE**

5 Credits

**Description:** Debate is a semester course designed to introduce students to the theory and practice of academic debate. The course will focus on argumentation, research, and delivery skills. In-class debate will be used to measure student understanding and application of skills. In addition, all students will complete a mock job interview unit which assists in meeting one of the Personal Learning Plan (PLP) graduation requirements. Students who enjoy competitive debate may choose to join the debate team, but doing so is not mandatory for this course. This course fulfills the Oral Communications Graduation Requirement.

**Prerequisites:** None

**0023 COMPETITIVE DEBATE**

10 Credits

**Description:** Competitive Debate is a one or two semester course designed for teaching advanced argumentation practice to members of the debate team. Instruction will focus on competitive debate strategies, advanced research and writing skills, and persuasive techniques. Students will be challenged to realize their individual debate potential. Students are required to participate in debate tournaments which often take place on weekends. In addition, all students will complete a mock job interview unit which assists in meeting graduation requirements. Upon successful completion, this course may be repeated for elective credit (pending available space). This course fulfills the Oral Communications Graduation Requirement.

**Prerequisites:** None

**0024 THEATRE AND PERFORMANCE I**

5 Credits

**Description:** This is a performance-based survey course designed to introduce students to many different aspects of theatre. Units include acting, script analysis, theatre history, and an overview of technical theatre. The acting unit consists of individual and group in-class performances, regular participation in acting exercises, and memorized scenes and monologues. Students will engage in script analysis, character analysis, analysis of the production process and viewed performances. The theatre history unit may include the origins of storytelling and evolution of the theatre, while the overview of technical theatre may include scenery, lighting, sound, and/or costuming/makeup. Successful completion of performances and projects is a course requirement. This course fulfills the Fine and Performing Arts Graduation Requirement and serves as a prerequisite for Theatre Performance: Advanced Studies and Theatre Technology.

**Prerequisites:** None

**0025 THEATRE AND PERFORMANCE: ADVANCED STUDIES**

5 Credits

**Description:** This is a performance-based course designed to further develop skills in theatre from production process to performance. Students will gain a deeper understanding of script and production processes, acting and audition techniques, and theatre history. Students may also be introduced to directing techniques, acting theory, theatre periods, acting and musical theatre styles, and viewed performances. Successful completion of performances and projects is a course requirement. A public performance may be a component of this course. Students who have successfully completed this course may repeat it for elective credit (pending available space).

**Prerequisites:** Theatre and Performance I

**0026 THEATRE TECHNOLOGY**

5 Credits

**Description:** This is a course designed for students who wish to pursue knowledge of technical theatre and theatrical design. It emphasizes the backstage elements of theatre production including theatre safety, set design and construction techniques, scene painting, properties, lighting, costume/makeup design, stage management, and theatre administration skills. Students will gain hands-on experience with current theatre technologies including: the use of construction/power tools, computer-based set/light/sound design programs, as well as an electronic portfolio. Hands-on lab instruction and technical projects are a course requirement. Students may be required to attend and/or participate in a technical capacity for a production or performance outside of class. Students who have successfully completed this course may repeat it for elective credit (pending available space).

**Prerequisites:** Theatre and Performance I or Theatre Appreciation

**0033 CREATIVE WRITING**

5 Credits

**Description:** Creative Writing is a semester long, advanced writing course for students who enjoy writing and want to improve their composition skills. Students will be required to write and read daily. Students will maintain a writer's notebook where they will experiment with a variety of writing genre; these genres may include but are not limited to short stories, poetry, and script writing. Creative writers are, by nature, readers and will read and analyze short stories and poetry as guides to develop their own writing. Students will be required to share their writing in small groups and with the class.

**Prerequisites:** Honors English 10 or English 11

**0035 COLLEGE WRITING**

5 Credits

**Description:** College Writing is a course designed to prepare students for writing and independent research at the collegiate level. Practice in academic inquiry and the proper method for organizing, researching, and writing a formal research paper are emphasized in this course. Because organizational skills and time management are important when working to meet deadlines for this course, this class is best suited for independent workers and motivated students.

**Prerequisites:** Honors English 10 or English 11

**V0035 COLLEGE WRITING****11-12**

5 Credits

**Description:** This course will be offered in a blended learning instructional format. Blended learning courses use a combination of best practices, including online learning and face-to-face instruction. Teachers will communicate a schedule of face-to-face learning time for their course. When students are not meeting with a teacher, they will engage in “independent learning” in designated areas or may leave campus if they have open campus privileges. Students will be offered opportunities for collaboration or for quiet study in the library on days when they are not meeting in their classroom. This course follows the same curriculum guide and uses the same instructional materials as the traditional face-to-face course. The class is taught by Millard teachers and will begin and end on the same dates as the face-to-face course. Grades and credits are calculated the same in blended as traditional learning courses. Final exams will be administered during the regular final exam schedule. There are a limited number of sections that will be offered as the blended learning format. To participate in a blended learning course, submit your request at the time of course registration.

College Writing is a course designed to prepare students for writing and independent research at the collegiate level. Practice in academic inquiry and the proper method for organizing, researching, and writing a formal research paper are emphasized in this course. Because organizational skills and time management are important when working to meet deadlines for this course, this class is best suited for independent workers and motivated students.

**Prerequisites:** Honors English 10 or English 11

**0039 THEATRE APPRECIATION**

5 Credits

**Description:** This non-performance course will assist in the understanding and appreciation of theatrical elements in the world around us. Units may include overviews of stage, film, television and radio characteristics; scenery, lighting, sound, and/or costuming/make-up; script and character analysis; analysis of viewed performances, and theatre history. Successful completion of projects is a course requirement. This course satisfies the Fine and Performing Arts Graduation Requirement and also counts as a prerequisite to Theatre Technology. Students interested in a performance-based course should refer to Theatre and Performance I.

**Prerequisites:** None

**0047 ADVANCED PLACEMENT® ENGLISH LANGUAGE AND COMPOSITION**

10 Credits

**Description:** Advanced Placement® English Language and Composition is a course for 11th and 12th grade students who are interested in pursuing rigorous advanced studies in language arts with a focus on close reading of non-fiction texts from a variety of periods, disciplines, and rhetorical contexts. Students will develop college level writing skills in the modes of exposition, analysis, and argumentation. Students will read and write with the intention to become informed citizens in order to engage in consequential conversations, projects, and writings about meaningful topics. Students will utilize outside sources from a variety of perspectives in order to make their own reasonable and informed contributions. Students will improve academic voice in their own writing through experimentation with various grammatical constructions, use of academic diction, and development of tone. Completion of this course will prepare students to take the Advanced Placement® English Language and Composition exam.

**Prerequisites:** Honors English 10 or English 11

**0048 ADVANCED PLACEMENT® ENGLISH LITERATURE AND COMPOSITION**

10 Credits

**Description:** Advanced Placement® English Literature and Composition is a course for 11th and 12th grade students interested in pursuing rigorous advanced studies in language arts with a focus on close reading of works of literary merit, including poetry, short stories, novels, and drama. Texts will be considered in historical context as well as through various lenses of interpretation. In addition, students will analyze literature focusing on how writers create meaning through literary techniques such as structure, style, theme, figurative language, imagery, symbolism, and tone. This course builds on literary analysis skills, which students will demonstrate through a variety of mediums. Students will improve academic voice in their own writing through experimentation with various grammatical constructions, use of academic diction, and development of tone. Completion of this course will prepare students to take the Advanced Placement® English Literature and Composition exam. In addition, students will have the opportunity to dual enroll through the University of Nebraska at Omaha for three college credits per semester. AP Literature and Composition is a rigorous, capstone course. Students who complete Advanced Placement® Language and Composition as juniors will be best prepared to succeed in this college-level course.

**Prerequisites:** Honors English 10 or English 11

**0059 ENGLISH 9 LITERACY ENRICHMENT**

10 English Credits/10 Elective Credits

**Description:** English 9 Literacy Enrichment is a skill building and study skills course designed for 9<sup>th</sup> grade students who need more practice with reading as evidenced by prior assessment results and literacy abilities demonstrated during middle school. This course uses best practices in building reading and writing skills based on individual student needs. Diagnostic and benchmark assessments are used to monitor student progress. Lessons are designed to build skills in reading and writing so that students can successfully complete the English 9 curriculum, gain strategies and skills needed for future success, and meet the standards on district reading and writing tests.

**Prerequisites:** Need for reading improvement; placement recommendation from Building Data Team

**0060 ENGLISH 10 LITERACY ENRICHMENT**

10 English Credits/10 Elective Credits

**Description:** English 10 Literacy Enrichment is a skill building and study skills course designed for 10<sup>th</sup> grade students who need more practice with reading as evidenced by prior assessment results, including standardized test scores, and literacy abilities demonstrated in ninth grade. This course uses best practices in building reading and writing skills based on individual student needs. Diagnostic and benchmark assessments are used to monitor student progress. Lessons are designed to build skills in reading so that students can successfully complete the English 10 curriculum, gain strategies and skills needed for future success, and meet the standards on district reading tests.

**Prerequisites:** Need for reading improvement; either English 9 or English 9 Literacy Enrichment

**0061 LITERACY ENRICHMENT 11**

10 Elective Credits

**Description:** Literacy Enrichment is a skill building and study skills course designed for 11<sup>th</sup> grade students who need more practice with reading as evidenced by previous assessment results. This course uses best practices in building reading skills based on individual student needs. Diagnostic and benchmark assessments are used to monitor student progress. Lessons are designed to build skills in reading so that students gain literacy strategies and skills needed for future success and meet the standards on district and state reading assessments. This course will focus more on building additional reading skills and is taken in addition to the required English 11 course.

**Prerequisites:** Need for reading skills improvement; either English 10 or English 10 Literacy Enrichment

**0062 LITERACY FOR LIFE**

5 Credits

**Description:** Literacy for Life is a one semester course designed for students who are looking to improve literacy skills while preparing for future careers. Coursework includes the everyday skills required in professional and workplace communication. Students will also read literary and informational text to explore its relevance to their lives and to realize the impact each person has on a community.

**Prerequisites:** English 11 or Literacy Enrichment 11

**0064 INTRODUCTION TO JOURNALISM, PHOTOJOURNALISM, and BROADCAST JOURNALISM**

5 Credits

**Description:** Explore all aspects of journalism with this introductory course. Students will learn the skills needed to be a student journalist by taking and editing photos, filming and editing news and feature videos, writing journalistically, and designing newspaper and yearbook layouts. Successful completion of this course is required for students who wish to take Yearbook, Advanced Journalism, or Broadcast Journalism courses.

**Prerequisites:** None

**0065 LITERATURE AND FILM**

5 Credits

**Description:** Students will analyze literature and companion films in order to understand the complex decision making necessary for adaptation. Students will read short stories, novels, and/or plays from a variety of genres. Possible genres include: Comedy/Romantic Comedy, Thriller/Mystery/Film Noir, Western/Action & Adventure, Science Fiction/Fantasy, and "Based on a True Story." This course will focus on introducing film terminology, structure, history, and film as a literature form. Students will apply close reading skills in order to produce analytical writing. Students will be assessed using methods including, but not limited to, essays and critical-thinking activities.

**Prerequisites:** Honors English 10 or English 11

**0066 ADVANCED JOURNALISM**

10 Credits

**Hoofbeat – North HS, Common Sense – South HS, Catalyst – West HS**

**Description:** Get published! Students will be the voice of the student body as they tell the stories of the school, express opinions, and go in-depth on topics of interest. Students will also hone their skills in photography, layout and design, and interviewing. The stories may be published through a variety of mediums such as online, print, social media, broadcast, and podcast. Attendance at school events outside of the regular school day may be required. Student work can be submitted for local, state and national contests, including the NSAA sponsored State Journalism Competition. The course may be repeated for elective credit.

**Prerequisites:** Intro to Journalism, Photojournalism, and Broadcast Journalism or permission from the instructor

**0067 GLOBAL PERSPECTIVES THROUGH LITERATURE** 5 Credits  
**Description:** Global Perspectives Through Literature is a course that continues to develop the skills established in previous English courses. Students will study a variety of texts, including short stories, novels, poetry, drama, memoirs, graphic novels, film, and images from countries other than the United States and Western Europe. Students will be exposed to a range of thematic units that focus on diverse perspectives and voices from around the world. Students will be assessed using a variety of methods, including essays, presentations, and critical-thinking activities.  
**Prerequisites:** Honors English 10, English 11, or Literacy Enrichment 11

**0068 CONTEMPORARY LITERATURE** 5 Credits  
**Description:** Contemporary Literature is a course that will engage students in a focused study of contemporary literature written over the last two decades. Students will critically examine why different genres of contemporary literature appeal to different readerships, how and why different readers determine if a book is worth reading, and the role that literature may play in their lives. Students will study critically-acclaimed fiction and nonfiction selections and will be expected to read a minimum of five novels, at least two as a whole class, some in small groups, and some independently, during the semester. Students will rigorously respond to text through a variety of methods, including, but not limited to, discussion, essays, critical-thinking activities, journals, and blogs.  
**Prerequisites:** Honors English 10, English 11, or Literacy Enrichment 11

**0069 MEDIA ANALYSIS** 5 Credits  
**Description:** This course is an introduction to mass media: what it is, how it affects us, and how we react to it. This course requires nonfiction readings (e.g., essays, articles, political writing, science writing, nature writing, autobiographies/biographies, diaries, history, criticism) to identify and explain an author's use of rhetorical strategies and techniques. Students will access, analyze, and create messages in a variety of media forms. Students will apply critical analysis skills to media messages in order to become more informed citizens and independent thinkers. Students will write for a variety of audiences, both in creation of their own media products, and analysis of media messages (compare/contrast, cause/effect, and analysis pieces). The course will incorporate research skills in an effort to evaluate, use, and cite primary and secondary sources.  
**Prerequisites:** Honors English 10, English 11, or Literacy Enrichment 11

**0073 IB FILM SL** 11-12 North only 10 Credits  
**Description:** Film is both a powerful communication medium and an art form. This one-year film course aims to develop students' skills so they become adept in both interpreting and making film texts. The IB film course will involve the student in a comprehensive examination of the nature of film. The three compulsory parts of the course will include an in-depth study of textual analysis, the detailed study of film sequences and contextualizing meanings within a larger framework; film theory and history, the study of films and film-making traditions from more than one culture; creative process-techniques and organization of production; the development of creative, analytic, and production skills with film-making.  
**Prerequisites:** None

**0074 IB FILM HL I** 11 North only 10 Credits  
**Description:** Film is both a powerful communication medium and an art form. This first year film course of a two year program aims to develop students' skills so they become adept in both interpreting and making film texts. The IB film course will involve the student in a comprehensive examination of the nature of film. The three compulsory parts of the course will include an in-depth study of textual analysis, the detailed study of film sequences and contextualizing meanings within a larger framework; film theory and history, the study of films and film-making traditions from more than one culture; creative process-techniques and organization of production; the development of creative, analytic, and production skills with film-making.  
**Prerequisites:** None

**0075 IB FILM HL II** 12 North only 10 Credits  
**Description:** Film is both a powerful communication medium and an art form. This second year film course builds on the first year course of study and aims to further develop students' skills so they become adept in both interpreting and making film texts. The IB film course will involve the student in a comprehensive examination of the nature of film. The three compulsory parts of the course will include an in-depth study of textual analysis, the detailed study of film sequences, and contextualizing meanings within a larger framework; film theory and history, the study of films and film-making traditions from more than one culture; creative process-techniques and organization of production; the development of creative, analytic, and production skills with film-making.  
**Prerequisites:** IB Film HL I



**0076 POPULAR GENRES IN LITERATURE**

5 Credits

**Description:** This course will examine popular genres throughout the ages. Students will enjoy reading, writing about, responding to, and discussing short stories and novels -- contemporary and classics. Selections will come from the following focus genres: sports literature, crime and detective collections, fantasy, action/adventure, dystopian/science-fiction, and creative nonfiction. This class will be assessed using a variety of methods, including, but not limited to, essays, presentations, journals, and creative critical thinking activities.

**Prerequisites:** Honors English 10, English 11, or Literacy Enrichment 11

**0077 BROADCAST JOURNALISM**

5 Credits

**Description:** Students will create projects in a variety of media, such as video broadcast, website, podcast, and social media. Students will expand their media skills of photography and videography, interviewing, reporting, writing, and editing to create professional products while meeting deadlines. Attendance at school events outside of the regular school day is required. Student work can be submitted for local, state, and national contests, including the NSAA sponsored State Journalism Competition. The course may be repeated for elective credit.

**Prerequisites:** Intro to Journalism, Photojournalism, and Broadcast Journalism or permission from the instructor

ENGLISH LEARNER

**ENGLISH LEARNER (EL)**  
Millard South & Millard West

ENGLISH LEARNER			
Course #	Course Name	Credits	Grad Requirement
<b>Beginning English Learner</b>			
EL01 A/B	EL Beginning Reading	10	
EL02 A/B	EL Beginning Writing	10	
EL03 A/B	EL Beginning Communication	10	
<b>Emerging English Learner</b>			
EL04 A/B	EL Emerging Reading	10	
EL05 A/B	EL Emerging Writing	10	
EL06 A/B	EL Emerging Communication	10	
<b>Progressive English Learner</b>			
EL07 A/B	EL Progressive Literacy	10	
EL08 A/B	EL Progressing Communication	10	
<b>Advanced English Learner</b>			
EL09 A/B	EL Advanced Literacy and Communication I	10	
EL10 A/B	EL Advanced Literacy and Communication II	10	
<b>Other English Language Development Courses</b>			
EL11	ELD Computer Literacy	5	T
EL12	ELD Health	5	H
EL14	ELD Mathematics	5	
EL15	ELD Financial Literacy	5	FL

- F = Fulfills Financial Literacy Graduation Requirement
- H = Fulfills Health Education Graduation Requirement
- HR - Fulfills Human Resources Graduation Requirement
- T = Fulfills Technology Education Graduation Requirement

***Beginning English Learner** courses are for students who are new arrivals to the United States or are in the beginning stages of acquiring the English language. Students are placed in beginning level courses based on their score on the English Language Proficiency Assessment or Screener. Beginning English Learners are typically a Level 1 in English proficiency. Through common themes presented in each of the three courses, students will learn basic vocabulary, read short texts, produce basic oral and written responses about topics and events happening in their everyday lives, and practice short, realistic conversational exchanges.*

## ENGLISH LEARNER

### EL01 EL BEGINNING READING

10 Credits

**Description:** In this course, EL students will develop their literacy skills through a variety of reading activities. Students will learn strategies to support their development as active and critical readers and will explore a variety of text types including both fiction and informational texts. Using context clues, visual aids, and the understanding of how words are formed in their first language, students will learn to determine the meaning of words and phrases.

### EL02 EL BEGINNING WRITING

10 Credits

**Description:** Students in this course will begin to identify key words and phrases in written text. They will participate in written exchanges of information on familiar topics. Students will learn to recognize and use frequently occurring nouns, verbs, conjunctions, and prepositions in their writing. With support, the beginning EL student will write about literary and informational texts and be able to express an opinion or idea.

### EL03 EL BEGINNING COMMUNICATION

10 Credits

**Description:** In this course, EL students learn English vocabulary, grammar, and sentence structure to assist them in the development of academic, cultural, and life skills. Students will learn to identify key words and phrases in oral communication and participate in short conversations. They will practice communicating information about familiar texts, topics, and experiences. With support, the beginning EL student will use accurate English to communicate in grade-appropriate speech.

*Emerging English Learner courses are for students who are still developing grade-level English skills. Students in Emerging English Learner courses have a limited comprehension of the English language and need additional support. Emerging English learners are often at a Level 2 in English proficiency. Students will continue to develop their reading, writing, speaking, and listening skills through more complex topics and themes. Students will read and comprehend grade-appropriate short texts, begin to understand the writing process, and engage in academic conversation and dialogues.*

### EL04 EL EMERGING READING

10 Credits

**Description:** In this course, EL students will expand their reading skills in order to become more mature readers. Students will apply a variety of reading strategies to determine the main ideas and summarize key points of the text.

### EL05 EL EMERGING WRITING

10 Credits

**Description:** Students in this course will expand their writing skills by creating original compositions of varying lengths, styles, and types. With support, they will compose written narratives or informational texts. They will learn to construct a claim about familiar topics and give reasons to support their claim. They will learn to produce simple and compound sentences and use common linking words to connect events.

### EL06 EL EMERGING COMMUNICATION

10 Credits

**Description:** The emerging English speakers will use expanding strategies to retell key details orally. They will continue to grow their English vocabulary of both conversational and academic words in order to participate in short conversations and respond to questions. Students will use frequently occurring verbs, nouns, adjectives, adverbs, prepositions, and conjunctions to communicate.

*Students in Progressing English Learner courses have a fair to good comprehension of the English language but are still in need of additional language support. EL students at this level continue to develop conversational and academic skills that allow them to participate in dialogue, express their own ideas, and respond to the ideas and questions of others. Progressing English Learners are typically at a Level 3 in English proficiency.*

### EL07 EL PROGRESSING LITERACY

10 Credits

**Description:** This course is designed for intermediate English learning students to continue progressing in the language domains of reading and writing. The course focus is to continue the development of English vocabulary and the understanding of grammatical structures. Students will develop further comprehension skills through fluency, summarizing, and sequencing events in a reading passage. They will use strategies such as recognizing text structures, using text features to locate information in textbooks, and use context clues to assist in comprehension. Students will continue to expand their writing capabilities through the practice of writing five paragraph essays and other larger writing tasks.

**EL08 EL PROGRESSING COMMUNICATION**

10 Credits

**Description:** This course is designed for intermediate English learning students to continue progressing in the language domains of speaking and listening. Students will further develop communication skills through participating in classroom discussions, conversations, and oral presentations with fewer supports. Students in this course will strengthen their ability to express their own ideas using more content specific and academic language.

*Students taking the **Advanced English Learner** courses are typically at Levels 4 or 5 in English proficiency. Students taking these courses are participating in grade-appropriate oral and written exchanges of information and are cementing their knowledge of academic vocabulary in order to ask and answer questions that clarify ideas and conclusions. Students are nearing proficiency in speaking, listening, reading, and writing in English.*

**EL09 EL ADVANCED LITERACY AND COMMUNICATION I**

10 Credits

**Description:** Students in this course are nearing grade-level English language skills. Students will continue to interact and engage with grade-level texts to continue to advance their English grammar and vocabulary skills. Students will produce and present written and oral essays that demonstrate their ability to use the English language through speaking and writing.

**EL10 EL ADVANCED LITERACY AND COMMUNICATION II**

10 Credits

**Description:** This course is designed for students who are nearly proficient in the English language. The focus will be increased fluency in reading and comprehending more advanced materials in order to be successful in content classes. Students will develop comprehension strategies and build vocabulary skills, as well as develop the capacity for written and oral responses to a variety of informational texts and longer narrative books and passages.

**EL11 ELD COMPUTER LITERACY**

5 Credits

**Description:** Students will integrate basic computing into their educational experience. The Millard Public Schools Communication and Information Systems curriculum provides students with opportunities to develop, utilize, and evaluate appropriate digital citizenship, essential technology, and computational productivity skills by the use of emerging technologies to thrive in a diverse, digital world. Students will think analytically and manipulate information using productivity software. Students will demonstrate digital citizenship while practicing professional communication techniques by collaborating and communicating via the Internet. Students will apply the legal, ethical, and social responsibilities of computing. The intent of the course is to introduce tech skills to be further developed and applied within the content of the other courses. This course fulfills the Technology Education Graduation Requirement for EL students.

**Prerequisites:** Identification as an EL student with limited or interrupted school experience and approval by EL Department Head and Building Administrator

**EL12 ELD HEALTH**

5 Credits

**Description:** Students will investigate concepts to support healthy living. Topics include: decision making, healthy eating and nutrition, sexual health, harmful substances, emotional health, and community resources. Students will practice critical thinking regarding their personal lives and apply problem solving and decision-making skills to deal with societal pressures. The theme throughout the course is abstinence from risky behaviors. In this course, the Millard Public Schools Character Traits: Trustworthiness, Responsibility, Respect, and Citizenship are incorporated into lessons and student activities. The ELD Health course will fulfill the Health Education graduation requirement for EL students. The curriculum meets local, state, and federal mandates for dating violence, drug education, health education, Cardiopulmonary Resuscitation (CPR), and Automated External Defibrillator (AED) training.

Current Board policy enables parents/guardians to request, for philosophical, religious, or ideological reasons, that their child be excused from units within this course or this graduation requirement. Students excused from ELD Health would register for one of the Human Resource courses and provide proof of CPR/AED instruction within Millard Public Schools as a replacement. This replacement course, along with the current requirement that all students take one of the Human Resource courses, means that students excused from ELD Health will be required to take two of the Human Resource courses to fulfill the graduation requirement. Parents/Guardians should contact the principal's office for direction and assistance.

**Prerequisites:** Identification as an EL student with limited or interrupted school experience and approval by EL Department Head and Building Administrator

**EL14 ELD MATHEMATICS**

5 Credits

**Description:** EL students taking this course have had limited or interrupted instruction in mathematics. In this course students will demonstrate, represent, and show relationships among whole numbers, fractions, decimals, percents, and integers within the base-ten number system. Students will demonstrate the meaning of operations and compute accurately with whole numbers, fractions, and decimals. They will apply the operational properties when adding and subtracting. In addition, students will demonstrate, represent, and show relationships with expressions and equations. Students will identify and describe geometric characteristics and create two- and three-dimensional shapes. They will determine location, orientation, and relationships on the coordinate plane. Students will perform and compare measurements and apply formulas.

**Prerequisites:** Identification as an EL student with limited or interrupted school experience and approval by EL Department Head and Building Administrator

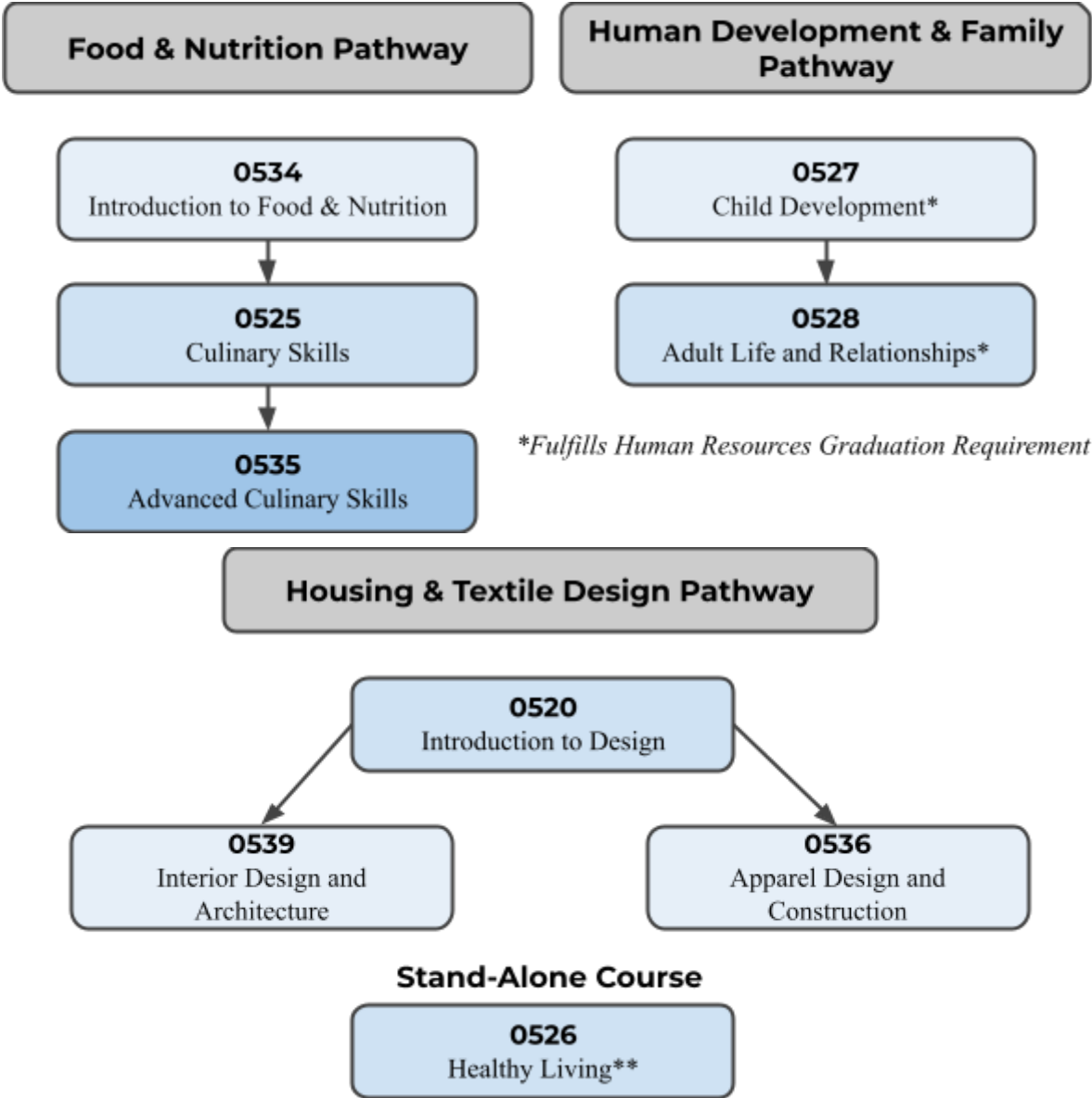
**EL15 ELD FINANCIAL LITERACY**

5 Credits

**Description:** Students will learn the skills necessary to manage their financial resources for lifetime financial security. The goal of ELD Personal Finance is to help students to become financially responsible, conscientious members of society as they adjust to the monetary and financial systems in the United States. This course develops students' understanding and skills in areas such as financial goal setting, buying goods and services, banking and savings, using credit, investment, and protection management. This course fulfills the Financial Literacy Graduation Requirement.

**Prerequisites:** Identification as an EL student with limited or interrupted school experience and approval by EL Department Head and Building Administrator

# FAMILY & CONSUMER SCIENCES



*\*\*Healthy Living is a state-mandated health education requirement for all students. Must be taken prior to start of 12th grade, 10th grade preferred.*

**Additional Information Regarding FCS**

**FCCLA:** Students who have enrolled in Family & Consumer Sciences course may participate in Family, Career, and Community Leaders of America (FCCLA)

**Materials/Supplies:**

Materials will be provided for basic projects. Students with specialized projects may be required to purchase extra materials. Students may donate money, materials, or equipment to defray the cost of consumable materials or provide appropriate personal equipment. Students who qualify for free and reduced meal waivers should discuss costs with the instructors.

## FAMILY & CONSUMER SCIENCES

Course #	Course Name	Credits	Grad Requirement
<b>Food and Nutrition Pathway</b>			
0534	Introduction to Food and Nutrition	5	
0525	Culinary Skills	5	
0535	Advanced Culinary Skills	5	
<b>Housing and Textile Design Pathway</b>			
0520	Introduction to Design	5	
0539	Interior Design and Architecture	5	
0536	Textiles and Clothing Design	5	
<b>Human Development and Family Pathway</b>			
0527	Child Development	5	HR
0528	Adult Life and Parenting	5	HR
<b>Stand-Alone Course</b>			
0526	Healthy Living	5	H
<b>Work-Based Learning</b>			
0544	Hospitality and Tourism Work-Based Learning	5	
0545	Human Services/FCS Work-Based Learning	5	

H = Fulfills Health Education Graduation Requirement  
 HR = Fulfills Human Resources Graduation Requirement

## FAMILY AND CONSUMER SCIENCES

### 0527 CHILD DEVELOPMENT 10-12 5 Credits

**Description:** Students will examine the developmental stages in the prenatal period through 12 years of age. Topics covered include how young children attain knowledge, behaviors, and skills. Theories of child development to identify the effects of parenting practices. Social, cultural, and linguistic diversity are also reviewed. The impact of quality childcare and early childhood education on child growth and development will also be explored. This course fulfills the Human Resources Graduation Requirement.

**Prerequisites:** None

### 0528 ADULT LIFE AND RELATIONSHIPS 11-12 5 Credits

**Description:** Students will examine the effects of interpersonal relationships on individuals, families, and communities. Students will examine concepts such as effective communication, establishing and maintaining relationships, diverse family systems, characteristics of personal development, and the impact of relationships on personal and career success. Students will analyze the impact of relationships on the well-being of individuals, families, work, and society and explore careers related to serving families and communities. This course fulfills the Human Resources Graduation Requirement.

**Prerequisites:** None

## CULINARY ARTS AND EVENT PLANNING PATHWAY

### 0534 INTRODUCTION TO FOOD AND NUTRITION 5 Credits

**Description:** Students will learn the basics of food preparation, nutrition, and decision-making utilizing resources and laboratory experiences. Students will incorporate skills to impact their present and future dietary preparation, health, and well-being.

**Prerequisites:** None

### **525 CULINARY SKILLS**

5 Credits

**Description:** Students will develop skills in safety, sanitation, and basic food preparation techniques required in the food industry. This course is designed for students who want to expand their food preparation skills and/or pursue a career in culinary arts, Food Service and the Hospitality Industry.

**Prerequisites:** Introduction to Food and Nutrition

### **0535 ADVANCED CULINARY SKILLS**

5 Credits

**Description:** Students will advance their commercial food preparation skills while applying management principles needed for the Food Service and Hospitality industry. This course will emphasize gourmet specialties, garnishes, and cultural influences.

**Prerequisites:** Culinary Skills

## **DESIGN PATHWAY**

### **0520 INTRODUCTION TO DESIGN**

5 Credits

**Description:** Students will learn the basics of elements and principles of design in the interior and apparently industries. Areas of focus will include the hands-on application of textiles, apparel, interior design skills, and career opportunities in the industry.

**Prerequisites:** None

### **0539 INTERIOR DESIGN AND ARCHITECTURE**

5 Credits

**Description:** Students will evaluate the influences of architecture and interior design on residential and commercial spaces. Students will utilize the elements and principles of design to create impactful and meaningful spaces. The content integrates knowledge, skills, technology, and practices required for careers in interior design and architecture.

**Prerequisites:** 0520 Introduction to Design

### **0536 APPAREL DESIGN AND CONSTRUCTION**

5 Credits

**Description:** Students will develop skills to design and construct apparel. Students will design and create their own textile project using digital sewing equipment and patterns. Topics covered will include textile and apparel design, creation, alteration, selection, maintenance, and career exploration.

**Prerequisites:** 0521 Introduction to Design

## **WORK-BASED LEARNING EXPERIENCES**

Career and Technical Education Work-Based Learning (WBL) is a capstone course that connects students with employers to prepare them for success in an ever-changing workplace. WBL is a supervised meaningful experience related to the career interests of learners that enables students to apply career and technical education in a real work setting. This workplace experience is a proactive approach to bridge previous career and technical education coursework and workplace performance.

**Prerequisite(s):** Concurrent classroom instruction in a career and technical education capstone course that aligns with their WBL focus. Students must be a Junior or Senior AND at least 16 years old before beginning the WBL Experience.

### **Student Work-Based Learning Experience Course Expectations:**

- Secure their own job
- Participate in a meaningful and approved internship learning experience
- Work a minimum of 120 hours (approx. 7 hours/week)
- Provide their own transportation
- Complete Work-Based Learning Experience documents
- Participate in Safety and Equipment Training where required

### **0544 HOSPITALITY AND TOURISM WORK-BASED LEARNING EXPERIENCE 11-12 5 Credits/Semester**

**Prerequisites:** Students must be in their Junior or Senior year and be concurrently enrolled in one of these intermediate/capstone courses: 0525 Culinary Skills or 0535 Advanced Culinary Skills.



**0545 HUMAN SERVICES/FCS WORK-BASED LEARNING EXPERIENCE** 11-12 5 Credits/Semester

**Prerequisites:** Students must be in their Junior or Senior year and be concurrently enrolled in one of these intermediate/capstone courses that aligns with their Work-Based Learning focus:

- Design courses- 0536 Apparel Design and Construction or 0539 Interior Design and Architecture
- Child, Youth, and Family Studies courses- 0527 Child Development or 0528 Adult Life and Relationships

### **STAND-ALONE COURSE**

**0526 HEALTHY LIVING** 9-11 (10TH grade preferred) 5 Credits

**Description:** Students will investigate concepts to support healthy living. Topics include self-concept, drug use and abuse, loss, death, depression, suicide, violence, stress, aging, friendships, dating, human sexuality, and digital citizenship. Students will practice critical thinking regarding their personal lives and apply problem solving and decision-making skills to deal with societal pressures. The theme throughout the course is abstinence from risky behaviors. In this course, the Millard Public Schools Character Traits: Trustworthiness, Responsibility, Respect, and Citizenship are incorporated into lessons and student activities. Healthy Living fulfills the Health Education Graduation Requirement. The curriculum meets local, state, and federal mandates for dating violence, drug education, health education, Cardiopulmonary Resuscitation (CPR), and Automated External Defibrillator (AED) training.

Current Board policy enables parents/guardians to request, for philosophical, religious, or ideological reasons, that their son/daughter be excused from units within this course or this graduation requirement. Students excused from Healthy Living would register for one of the Human Resources courses and provide proof of CPR/AED instruction within Millard Public Schools as a replacement. This replacement course is in addition to the required Human Resources course and means that students excused from Healthy Living will be required to take two Human Resources courses. Parent/Guardian should contact the principal's office for direction and assistance.

**Prerequisites:** None

# MATHEMATICS

## MATHEMATICS

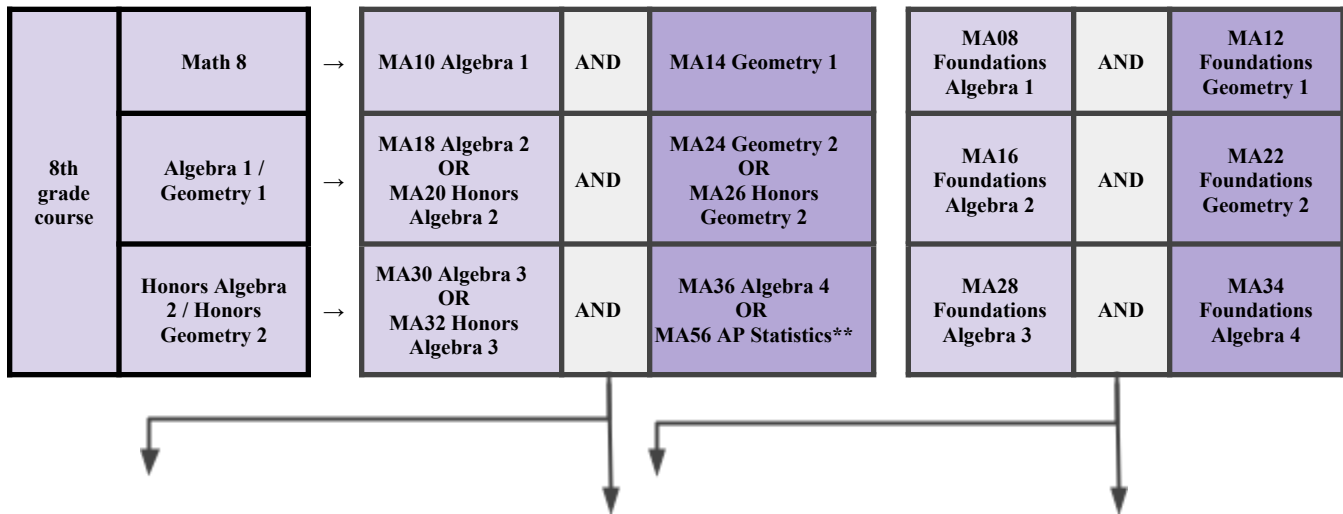
**INFORMATION REGARDING MATHEMATICS PLACEMENT**

Student's 8th grade math course determines the starting point on the flowchart in 9th grade.

*\* Building Data Review Team recommendation is required for Foundations pathway placement.*

Students who complete all Foundations courses fulfill the Algebra II requirement of most colleges.  
However, students may need to complete an additional course beyond Algebra II for college admission.  
Please meet with your guidance counselor to plan accordingly.

**\*\*Advanced Placement (AP) Statistics can be taken any time after successful completion of Algebra 2, and concurrently with Algebra 3 or Honors Algebra 3 or another mathematics course.**

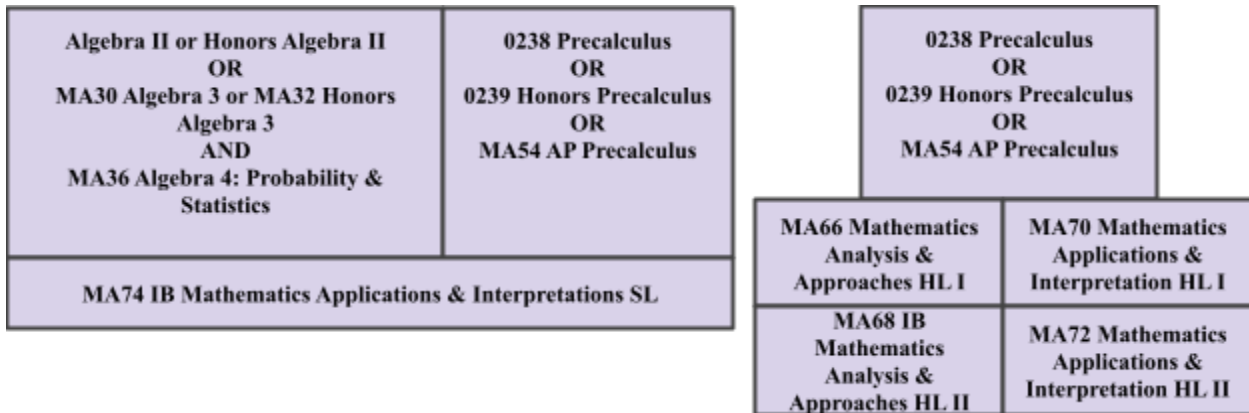


Math Electives <i>STEM Field</i>	
Course	Credits
MA56 AP Statistics	10
MA54 AP Precalculus	10
MA58 AP Calculus AB	10
MA60 AP Calculus BC	10
MA62 Calculus II & Advanced Topics	10
MA64 Calculus III & Differential Equations	10

Math Electives <i>Non-STEM Field</i>	
Course	Credits
MA56 AP Statistics	10
MA52 College Algebra	10
MA38 Trigonometry	5
MA40 Discrete Mathematics	5
MA42 Sports Math & Game Theory	5
MA44 Math in the Arts	5
MA46 Math for Life	5

Math Electives <i>Skilled Trades, Military, or Workforce</i>	
Course	Credits
MA56 AP Statistics	10
MA52 College Algebra	10
MA42 Sports Math & Game Theory	5
MA44 Math in the Arts	5
MA46 Math for Life	5
MA48 Skilled and Technical Math	5
MA50 Modular Mathematics	10

**Millard North High School IB Diploma Programme Students Only**



## MATHEMATICS

Course #	Course Name	Credits	Grad Requirement
MA02	Algebra 1 Enrichment	5	
MA04	Algebra 2 Enrichment	5	
MA06	Algebra 3 Enrichment	5	
MA08	Foundations Algebra 1	5	
MA10	Algebra 1	5	
MA12	Foundations Geometry 1	5	
MA14	Geometry 1	5	
MA16	Foundations Algebra 2	5	
MA18	Algebra 2	5	
MA20	Honors Algebra 2	5	
MA22	Foundations Geometry 2	5	
MA24	Geometry 2	5	
MA26	Honors Geometry 2	5	
MA28	Foundations Algebra 3	5	
MA30	Algebra 3	5	
MA32	Honors Algebra 3	5	
MA34	Foundations Algebra 4: Probability & Statistics	5	
MA36	Algebra 4: Probability & Statistics	5	
MA38	Trigonometry	5	
MA40	Discrete Math	5	
MA42	Sports Math & Game Theory	5	
MA44	Math in the Arts	5	
MA46	Math for Life	5	
MA48	Skilled and Technical Math	5	
MA50 A/B	Modular Mathematics	10	
MA52 A/B	College Algebra	10	
VMA53A/B	College Algebra	10	
MA54 A/B	AP Precalculus	10	
MA56 A/B	AP Statistics	10	
MA58 A/B	AP Calculus AB	10	
MA60 A/B	AP Calculus BC	10	
MA62 A/B	Calculus II and Advanced Topics	10	
MA64 A/B	Calculus III/Differential Equations*	10	
MA66 A/B	IB Mathematics Analysis & Approaches HL I	10	
MA68 A/B	IB Mathematics Analysis & Approaches HL II	10	
MA70 A/B	IB Mathematics Applications & Interpretation HL I	10	
MA72 A/B	IB Mathematics Applications & Interpretation HL II	10	
MA74 A/B	IB Mathematics Applications & Interpretation SL	10	

\*Pending instructor availability - may need to arrange schedule to attend available instructors' assigned high school.

# MATHEMATICS

## MA02 ALGEBRA I ENRICHMENT

5 Credits

**Description:** This course is a supplemental course to be taken concurrently with Algebra 1. It is designed to provide support and reinforce concepts taught in the Algebra 1 course. Students will explore linear and absolute value equations and inequalities in depth. Parallel and perpendicular lines will be investigated as they relate to linear functions. They will also study systems of equations and their applications. Algebra 1 is designed for students who have a strong understanding of the basics of arithmetic, demonstrated algebraic readiness, and who understand mathematics in a more abstract form. *This course is for elective credit only and does not apply toward graduation requirement for mathematics.*

**Prerequisites:** Placement recommendation from Building Data Team

## MA04 ALGEBRA 2 ENRICHMENT

5 Credits

**Description:** This course is a supplemental course to be taken concurrently with Algebra 2. It is designed to provide support and reinforce concepts taught in the Algebra 2 course. Students will explore exponents, exponent rules, and polynomials with a deep dive into quadratics including graphing and solving. *This course is for elective credit only and does not apply toward graduation requirements for mathematics.*

**Prerequisites:** Placement recommendation from Building Data Team

## MA06 ALGEBRA 3 ENRICHMENT

5 Credits

**Description:** This course is a supplemental course to be taken concurrently with Algebra 3. It is designed to provide support and reinforce concepts taught in the Algebra 3 course. Students will explore a variety of advanced, integrated algebraic topics such as higher-ordered polynomials, rational functions, advanced functions, complex & imaginary numbers, and sequences and series. *This course is for elective credit only and does not apply toward graduation requirements for mathematics.*

**Prerequisites:** Placement recommendation from Building Data Team

## MA08 FOUNDATIONS ALGEBRA 1

5 Credits

**Description:** Students who would benefit from reinforcement in basic algebraic skills in order to successfully master algebra concepts may be recommended for this course. Students will explore linear and absolute value equations and inequalities in depth. Parallel and perpendicular lines will be investigated as they relate to linear functions. They will also study systems of equations and their applications. Successful completion of Foundations Algebra 1 will satisfy the Algebra 1 graduation requirement. Upon completion, students should enroll in Foundations Algebra 2 or Foundations Geometry 1. **This course does NOT count for NCAA core course eligibility. If you are pursuing post-secondary participation in an NCAA sport please see your counselor for details.**

**Prerequisites:** Placement recommendation from Building Data Team

## MA10 ALGEBRA 1

5 Credits

**Description:** Students will explore linear and absolute value equations and inequalities in depth. Parallel and perpendicular lines will be investigated as they relate to linear functions. They will also study systems of equations and their applications. Algebra 1 is designed for students who have a strong understanding of the basics of arithmetic, demonstrated algebraic readiness, and who understand mathematics in a more abstract form.

**Prerequisites:** None

## MA12 FOUNDATIONS GEOMETRY 1

5 Credits

**Description:** Students who would benefit from reinforcement in basic number and algebraic skills in order to successfully master geometry concepts may be recommended for this course. Students will study the properties and applications of geometric figures in two dimensions. This includes inductive and deductive thinking skills in problem solving situations as well as similarity and congruence, Pythagorean Theorem applications, special right triangle relationships and right triangle trigonometry. Successful completion of Foundations Geometry 1 will satisfy the Geometry 1 graduation requirement. Upon completion, students should enroll in Foundations Geometry 2 or Foundations Algebra 1.

**Prerequisites:** Placement recommendation from Building Data Team

**MA14 GEOMETRY 1**

5 Credits

**Description:** Students will study the properties and applications of geometric figures in two dimensions. This includes inductive and deductive thinking skills in problem solving situations as well as similarity and congruence, Pythagorean Theorem applications, special right triangle relationships and right triangle trigonometry. Writing proofs to prove properties of geometric figures is emphasized.

**Prerequisites:** Algebra I or None

**MA16 FOUNDATIONS ALGEBRA 2**

5 Credits

**Description:** Students who would benefit from reinforcement in basic algebraic skills in order to successfully master algebra concepts may be recommended for this course. Students will explore exponents, exponent rules, and polynomials with a deep dive into quadratics including graphing and solving. Complex numbers will be introduced. Successful completion of Foundations Algebra 2 will satisfy the Algebra 2 graduation requirement. Upon completion, students should enroll in Foundations Algebra 3 or Foundations Geometry 2.

**Prerequisites:** Foundations Algebra 1 and/or placement recommendation from Building Data Team

**MA18 ALGEBRA 2**

5 Credits

**Description:** Students will explore exponents, exponent rules, and polynomials with a deep dive into quadratics including graphing and solving. Complex numbers will be introduced. Algebra 2 is designed for students who have a strong understanding of the basics of arithmetic, linear algebra, and who understand mathematics in a more abstract form.

**Prerequisites:** Algebra 1 or Foundations Algebra 1

**MA20 HONORS ALGEBRA 2**

5 Credits

**Description:** Students will explore exponents, exponent rules, and polynomials with a deep dive into quadratics including graphing and solving. Algebra 2 is designed for students who have a strong understanding of the basics of arithmetic, linear algebra, and who understand mathematics in a more abstract form. This course will go into greater depth than Algebra 2 and is recommended for students who plan to pursue Advanced Placement<sup>®</sup> or International Baccalaureate<sup>®</sup> mathematics classes.

**Prerequisites:** Algebra 1

**MA22 FOUNDATIONS GEOMETRY 2**

5 Credits

**Description:** Students who would benefit from reinforcement in basic number and algebraic skills in order to successfully master geometry concepts may be recommended for this course. Students will study the properties and applications of geometric figures in two and three dimensions. This includes translation of objects on a coordinate plane, symmetry, quadrilaterals and other polygons, circles, surface area, volume, and unit conversions. Successful completion of Foundations Geometry 2 will satisfy the Geometry 2 graduation requirement. Upon completion, students should enroll in Foundations Algebra 2 or Foundations Algebra 3.

**Prerequisites:** Foundations Geometry 1 and/or placement recommendation from Building Data Team

**MA24 GEOMETRY 2**

5 Credits

**Description:** Students will study the properties and applications of geometric figures in two and three dimensions. This includes translation of objects on a coordinate plane, symmetry, quadrilaterals and other polygons, circles, surface area, volume, and unit conversions. Writing and analyzing proofs to prove properties of geometry figures is emphasized.

**Prerequisites:** Algebra I, Geometry 1 or Foundations Geometry 1

**MA26 HONORS GEOMETRY 2**

5 Credits

**Description:** Students will study the properties and applications of geometric figures in two and three dimensions. This includes translation of objects on a coordinate plane, symmetry, quadrilaterals and other polygons, circles, surface area, volume, and unit conversions. Writing and analyzing proofs to prove properties of geometry figures is emphasized. This course will go into greater depth than Geometry 2 and is recommended for students who plan to pursue Advanced Placement<sup>®</sup> or International Baccalaureate<sup>®</sup> mathematics classes.

**Prerequisites:** Algebra I, Geometry 1

**MA28 FOUNDATIONS ALGEBRA 3**

5 Credits

**Description:** Students who would benefit from reinforcement in basic algebraic skills in order to successfully master algebra concepts may be recommended for this course. Students will explore a variety of advanced, integrated algebraic topics such as higher-ordered polynomials, rational functions, advanced functions, complex & imaginary numbers, and sequences and series. Successful completion of Foundations Algebra 3 will satisfy the Algebra 3 graduation requirement. Upon completion, students should enroll in Foundations Algebra 4: Probability & Statistics or choose a math elective.

**Prerequisites:** Foundations Algebra 2 and/or placement recommendation from Building Data Team

**MA30 ALGEBRA 3**

5 Credits

**Description:** Students will explore a variety of advanced, integrated algebraic topics such as higher-ordered polynomials, rational functions, advanced functions, complex & imaginary numbers, and sequences and series. Algebra 3 is designed for students who have a strong understanding of the basics of arithmetic, linear and quadratic algebra, and who understand mathematics in a more abstract form. Algebra 3 and Algebra 4: Probability & Statistics completes the three-year mathematics sequence required by many colleges.

**Prerequisites:** Algebra 2, Honors Algebra 2, or Foundations Algebra 2

**MA32 HONORS ALGEBRA 3**

5 Credits

**Description:** Students will explore a variety of advanced, integrated algebraic topics such as higher-ordered polynomials, rational functions, advanced functions, complex & imaginary numbers, and sequences and series. This course will go into greater depth than Algebra 3 and is recommended for students who plan to pursue Advanced Placement® or International Baccalaureate® mathematics classes.

**Prerequisites:** Geometry or Honors Geometry, Algebra 2 or Honors Algebra 2

**MA34 FOUNDATIONS ALGEBRA 4: PROBABILITY & STATISTICS**

5 Credits

**Description:** Students who would benefit from reinforcement in basic number and algebraic skills in order to successfully master algebra concepts may be recommended for this course. Students will use numbers in context (data) to make predictions and informed decisions, use tools to apply statistical methods to describe patterns and trends, and understand randomness, variability, and causality through data collection, data analysis, and the interpretation of results. Students will describe data using probability and sampling distributions to judge whether a result is unsurprising or rare. Successful completion of Foundations Algebra 4: Probability & Statistics will satisfy the Algebra 4: Probability & Statistics graduation requirement. Upon completion, students should enroll in Foundations Algebra 3 or choose a math elective.

**Prerequisites:** Foundations Algebra 2 and/or placement recommendation from Building Data Team

**MA36 ALGEBRA 4: PROBABILITY & STATISTICS**

5 Credits

**Description:** Students will use numbers in context (data) to make predictions and informed decisions, use tools to apply statistical methods to describe patterns and trends, and understand randomness, variability, and causality through data collection, data analysis, and the interpretation of results. Students will describe data using probability and sampling distributions to judge whether a result is unsurprising or rare. Algebra 3 and Algebra 4: Probability & Statistics completes the three-year mathematics sequence required by many colleges.

**Prerequisites:** Geometry or Honors Geometry, Algebra 1

**MA38 TRIGONOMETRY**

5 Credits

**Description:** This course focuses on trigonometric functions and graphs, inverse trigonometric functions and graphs, solutions of triangles, trigonometric identities, trigonometric equations, and applications of trigonometry.

**Prerequisites:** Algebra II or Honors Algebra II, Algebra 3, Honors Algebra 3 or Foundations Algebra 3 AND Algebra 4: Probability & Statistics or Foundations Algebra 4: Probability & Statistics

**MA40 DISCRETE MATH**

5 Credits

**Description:** This course is designed for students who are interested in pursuing a career in computer science, computer engineering, or biology. Students will study numerical values that are countable and separable while utilizing the basics for computer science and computer programming.

**Prerequisites:** Algebra II or Honors Algebra II, Algebra 3, Honors Algebra 3 or Foundations Algebra 3 AND Algebra 4: Probability & Statistics or Foundations Algebra 4: Probability & Statistics

**MA42 SPORTS MATH & GAME THEORY**

5 Credits

**Description:** A game, in mathematical terms, consists of a starting point and various choices made by ‘players.’ Each choice might lead to new choices or to an outcome that ends the game. This course will explore how game theory can be applied in various sports and other competitive situations. Topics will include: analyzing sports and other authentic situations through probability and statistics, modeling physical systems (such as a golf swing, a high jump, or home run hit) using basic equations of motion and elementary calculus, and gathering data to build and test models and develop predictive statistics.

**Prerequisites:** Algebra II or Honors Algebra II, Algebra 3, Honors Algebra 3 or Foundations Algebra 3 AND Algebra 4: Probability & Statistics or Foundations Algebra 4: Probability & Statistics

**MA44 MATH IN THE ARTS**

5 Credits

**Description:** In this course, students will be able to explore connections between mathematics and the fine arts, specifically in the fields of art and music. Areas of focus, with respect to the art discipline, will include visual geometry, patterns, ratios and proportions, the Golden Ratio, and symmetrical application. Areas of focus, with respect to the music discipline, will include harmonies and harmonic ratios, patterns, note and rhythm structure, instrument construction, along with an understanding of basic music theory.

**Prerequisites:** Algebra II or Honors Algebra II, Algebra 3, Honors Algebra 3 or Foundations Algebra 3 AND Algebra 4: Probability & Statistics or Foundations Algebra 4: Probability & Statistics

**MA46 MATH FOR LIFE**

5 Credits

**Description:** This course will cover general mathematical concepts used in everyday life for a majority of people. Specifically focusing on personal credit, loans, investments, businesses, taxes and spending. Topics include analyzing and calculating expenses incurred when purchasing/leasing an automobile or a place of residence, maintaining accurate banking records and compare types of credit including credit cards and loans, analyzing options when purchasing consumable goods to make logical, educated decisions, and developing the components of a budget based upon a determined amount of earnings and taxes. Students will also utilize basic investment principles to evaluate various investment opportunities, learn how insurance works, and apply mathematical models for educational and retirement planning.

**Prerequisites:** Algebra II or Honors Algebra II, Algebra 3, Honors Algebra 3 or Foundations Algebra 3 AND Algebra 4: Probability & Statistics or Foundations Algebra 4: Probability & Statistics

**MA48 SKILLED AND TECHNICAL MATH**

5 Credits

**Description:** This course will focus on mathematical concepts required in the skilled and technical fields. Topics include basic arithmetic, ratios and proportions, measurement strategies in various units, trigonometry all as they pertain to real life situations in the skilled and technical fields.

**Prerequisites:** Algebra II or Honors Algebra II, Algebra 3, Honors Algebra 3 or Foundations Algebra 3 AND Algebra 4: Probability & Statistics or Foundations Algebra 4: Probability & Statistics

**MA50 MODULAR MATHEMATICS**

12

10 Credits

**Description:** This program is designed for seniors looking to improve their mathematics skills to the level needed to enroll and be successful in a college-level mathematics course. Students will have the opportunity to complete the track that will satisfy the mathematics requirement for many associate and bachelor degree programs. Students can pursue one of two options: 1. The Academic track for students intending to earn a four-year bachelor's degree, or 2. The Trades/Business track for students pursuing a two-year associate degree/certification. Students will refresh basic computational, geometry, algebra, data and problem-solving skills in an online modular environment. Topics include fractions, decimals, ratios, proportions, percents, and operations with integers. In the Academic track, additional topics include solving linear equations and inequalities, operations with polynomials, factoring, integer exponents, and representing various equations on a graph. In the Trades track, students learn the math skills required in career/technical fields. Students review arithmetic operations and apply ratios and proportions, measurement concepts, algebraic operations, geometric relationships and right triangle trigonometry to problem-solving of technical applications. In the Business track, students learn the mathematics skills required to solve problems related to business occupations. Topics include: percentages, checking accounts and services, payroll, payroll taxes, cash and trade discounts, property and sales taxes, simple and compound interest, installment purchases, loan payment plans and annuities. Successful candidates for this course are self-motivated and able to work independently, have ACT<sup>®</sup> mathematics scores between 13 and 20 inclusive, a GPA above 2.0, and a good attendance record. If the capstone courses are successfully completed (MATH 1312, MATH 1240 and MATH 1220), then transferable MCC credit may be earned.

**Prerequisites:** Placement recommendation from Building Data Team and/or Instructor

**Dual Enrollment Credit:** This course is offered for dual enrollment credit from Metropolitan Community College in student's choice of one of three tracks. *Academic:* MATH 0910, MATH 0930, MATH 0931, and MATH 1312 (4.5 credits) or *Trades:* MATH 0910 and MATH 1240 (4.5 credits) or *Business:* MATH 0910 and MATH 1220 (4.5 credits).

**MA52 COLLEGE ALGEBRA**

10 Credits

**Description:** Students will investigate functions, matrices, and conic sections through an algebraic, analytical, numerical, and graphical approach, including mathematical modeling for real-world application. This course will assist students in preparation for introductory college mathematics courses. Students planning to take Calculus should enroll in Advanced Placement® Precalculus.

**Prerequisites:** Algebra II or Honors Algebra II, Algebra 3 or Honors Algebra 3 AND Algebra 4: Probability & Statistics

**VMA53 COLLEGE ALGEBRA 11-12**

10 Credits

**Description:** This course will be offered in a blended learning instructional format. Blended learning courses use a combination of best practices, including online learning and face-to-face instruction. Teachers will communicate a schedule of face-to-face learning time for their course. When students are not meeting with a teacher, they will engage in “independent learning” in designated areas or may leave campus if they have open campus privileges. Students will be offered opportunities for collaboration or for quiet study in the library on days when they are not meeting in their classroom. This course follows the same curriculum guide and uses the same instructional materials as the traditional face-to-face course. The class is taught by Millard teachers and will begin and end on the same dates as the face-to-face course. Grades and credits are calculated the same in blended as traditional learning courses. Final exams will be administered during the regular final exam schedule. There are a limited number of sections that will be offered as the blended learning format. To participate in a blended learning course, submit your request at the time of course registration.

College Algebra students will investigate functions, matrices, and conic sections through an algebraic, analytical, numerical, and graphical approach, including mathematical modeling for real-world application. This course will assist students in preparation for introductory college mathematics courses. Students planning to take Calculus should enroll in Advanced Placement® Precalculus.

**Prerequisites:** Algebra II or Honors Algebra II, Algebra 3 or Honors Algebra 3 AND Algebra 4: Probability & Statistics

**MA54 ADVANCED PLACEMENT® PRECALCULUS**

10 Credits

**Description:** Students will study polynomials and rational functions, exponential and logarithmic functions, trigonometric and polar functions, and functions involving parameters, vectors, and matrices. Completion of this course will prepare students to take the Advanced Placement® Precalculus exam.

**Prerequisites:** Algebra II or Honors Algebra II, Algebra 3 or Honors Algebra 3 AND Algebra 4: Probability & Statistics

**MA56 ADVANCED PLACEMENT® STATISTICS**

10 Credits

**Description:** Students will learn a variety of statistical concepts including exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Completion of this course will prepare students to take the Advanced Placement® Statistics exam.

**Prerequisites:** Algebra II or Honors Algebra II or Algebra 2 or Honors Algebra 2, and concurrent enrollment in or completion of Algebra 3 or Honors Algebra 3

**MA58 ADVANCED PLACEMENT® CALCULUS AB**

10 Credits

**Description:** Advanced Placement® Calculus AB is a course in single variable calculus that includes techniques and applications of the derivative, techniques and applications of the definite integral, and the Fundamental Theorem of Calculus. Algebraic, numerical, and graphical representations are emphasized throughout the course. Completion of this course will prepare students to take the Advanced Placement® Calculus AB exam.

**Prerequisites:** Precalculus, Honors Precalculus, or Advanced Placement® Precalculus

**MA60 ADVANCED PLACEMENT® CALCULUS BC**

10 Credits

**Description:** Advanced Placement® Calculus BC is a course in single variable calculus that includes all the topics of Advanced Placement® Calculus AB plus additional topics in differential and integral calculus (including parametric, polar, and vector functions) and series. Algebraic, numerical, and graphical representations are emphasized throughout the course. Completion of this course will prepare students to take the Advanced Placement® Calculus BC exam.

**Prerequisites:** Honors Precalculus or Advanced Placement® Precalculus

**MA62 CALCULUS II & ADVANCED TOPICS**

10 Credits

**Description:** Students will review Advanced Placement® Calculus AB topics and study the additional AP Calculus BC topics in greater depth. Advanced topics will also include various concepts from Calculus III, Discrete Mathematics, and Linear Algebra. Completion of this course will prepare students to take the Advanced Placement® Calculus BC exam.

**Prerequisites:** Advanced Placement® Calculus AB



**MA64 CALCULUS III & DIFFERENTIAL EQUATIONS** 10 Credits

**Description:** Calculus III/Differential Equations is a course investigating calculus topics including (but not limited to) vector analysis, partial differentiation, multiple integration, and functions of several variables. The differential equations portion of the course will focus primarily on (but not limited to) ordinary differential equations, solutions by series, Laplace transformations, and applications. This course provides a weighted grade as it exceeds Advanced Placement® Calculus level courses. Course offering is dependent upon instructor availability; students may need to arrange schedule to attend available instructor's assigned high school for this course.

**Prerequisites:** Advanced Placement® Calculus BC

**MA66 IB MATHEMATICS ANALYSIS & APPROACHES HL I** 11 North only 10 Credits

**Description:** This is the first course in a two-year sequence culminating with the *Analysis & Approaches HL* exam in May of the student's senior year. This course is appropriate for students with excellent mathematics abilities who will enjoy becoming fluent in the construction of mathematical arguments and developing strong skills in mathematical thinking. They will also explore real and abstract applications of these ideas, with and without the use of technology. Students who take *Analysis & Approaches HL* will be those who enjoy the thrill of mathematical problem solving and generalization. This course is most appropriate for students who will go on to study college subjects with substantial mathematics content such as mathematics itself, engineering, physical sciences, or quantitative economics, for example. There is an emphasis in this course on calculus and on algebraic, graphical, and numerical approaches.

**Prerequisites:** Precalculus, Honors Precalculus, or Advanced Placement® Precalculus

**MA68 IB MATHEMATICS ANALYSIS & APPROACHES HL II** 12 North only 10 Credits

**Description:** Students who have successfully completed *Analysis & Approaches HL I* will continue developing fluency in the construction of mathematical arguments and developing strong skills in mathematical thinking. They will continue exploring real and abstract applications of these ideas, with and without the use of technology. Students who take *Analysis & Approaches HL* will be those who enjoy the thrill of mathematical problem solving and generalization. This course is most appropriate for students who will go on to study college subjects with substantial mathematics content such as mathematics itself, engineering, physical sciences, or quantitative economics, for example. There is an emphasis in this course on calculus and on algebraic, graphical, and numerical approaches. This is the second course in a two-year sequence culminating with the *Analysis & Approaches HL* exam in May.

**Prerequisites:** IB Mathematics Analysis & Approaches HL I

**MA70 IB MATHEMATICS APPLICATIONS & INTERPRETATION HL I** 11 North only 10 Credits

**Description:** This is the first course in a two-year sequence culminating with the *Applications & Interpretation HL* exam in May of the student's senior year. This course is appropriate for students with strong mathematics abilities who are interested in describing our world mathematically and solving practical problems. They will also be interested in harnessing the power of technology while exploring mathematical models. Students who take *Applications & Interpretation HL* will be those who enjoy mathematics best when seen in a practical context. This course is most appropriate for students who will go on to study college subjects like social sciences, natural sciences, statistics, business, economics, psychology, and design, for example. This course emphasizes the applied nature of mathematics, and that interpretation of results in context is important.

**Prerequisites:** Precalculus, Honors Precalculus, or Advanced Placement® Precalculus

**MA72 IB MATHEMATICS APPLICATIONS & INTERPRETATION HL II** 12 North only 10 Credits

**Description:** Students who have successfully completed *Applications & Interpretation HL I* will engage further with describing our world mathematically and solving practical problems. They will also be interested in harnessing the power of technology while exploring mathematical models. Students who take *Applications & Interpretation HL* will be those who enjoy mathematics best when seen in a practical context. This course is most appropriate for students who will go on to study college subjects like social sciences, natural sciences, statistics, business, economics, psychology, and design, for example. This course emphasizes the applied nature of mathematics, and that interpretation of results in context is important. This is the second course in a two-year sequence culminating with the *Applications & Interpretation HL* exam in May.

**Prerequisites:** IB Mathematics Applications & Interpretation HL I

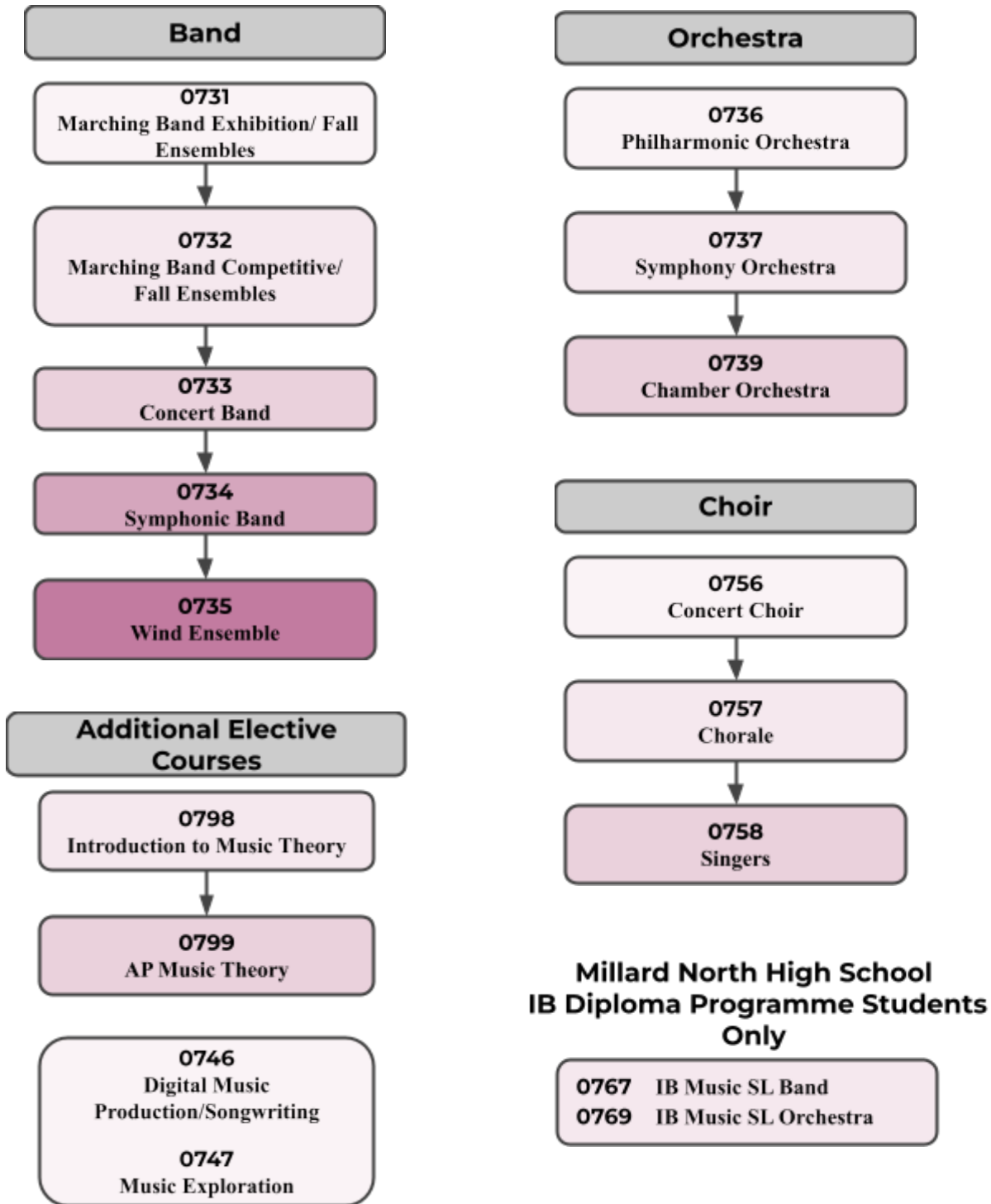
**MA74 IB MATHEMATICS APPLICATIONS & INTERPRETATION SL 11 or 12 North only** 10 Credits

**Description:** This course is appropriate for students who are interested in describing our world mathematically and solving practical problems. They will also be interested in harnessing the power of technology while exploring mathematical models. Students who take *Applications & Interpretation SL* will be those who enjoy mathematics best when seen in a practical context. This course is most appropriate for students who will go on to study college subjects like social sciences, natural sciences, statistics, business, economics, psychology, and design, for example. This course emphasizes the applied nature of mathematics, and that interpretation of results in context is important.

**Prerequisites:** Algebra II or Honors Algebra II, Algebra 3 or Honors Algebra 3 AND Algebra 4: Probability & Statistics or Precalculus or Honors Precalculus or Advanced Placement® Statistics OR Advanced Placement® Precalculus

# MUSIC

Performance Ensembles



MUSIC			
Course #	Course Name	Credits	Grad Requirement
0731	Marching Band Exhibition/Fall Ensembles	5	F
0732	Marching Band Competitive/Fall Ensembles	5	F
0733	Concert Band	5	F
0734	Symphonic Band	5	F
0735	Wind Ensemble	5	F
0736 A/B	Philharmonic Orchestra	10	F
0737 A/B	Symphony Orchestra	10	
0739 A/B	Chamber Orchestra	10	
0746	Digital Music Production/Songwriting	5	F
0747	Music Exploration	5	F
0756 A/B	Concert Choir	10	F
0757 A/B	Chorale	10	F
0758 A/B	Singers	10	F
0767 A/B	IB Music SL - Band	10	F
0769 A/B	IB Music SL - Orchestra	10	F
0798	Introduction to Music Theory	5	F
0799	AP Music Theory	5	

F = Fulfills Fine and Performing Arts Graduation Requirement

<b>MUSIC</b>
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**0731 MARCHING BAND EXHIBITION/FALL ENSEMBLES** 5 Credits

**Description:** This is a co-curricular course for all incoming freshmen and upperclassmen (director discretion) who play a woodwind, brass, or percussion instrument. Emphasis will be placed on developing fundamental skills, rehearsal techniques, music literacy, and performance practice. Students in this course will learn movement, drill, and music that culminates in a marching show that will be performed at home football games and other possible events. All students registered for Exhibition Marching/Concert Band will participate in the Combined 9-12 Marching Band (first nine weeks) followed by a concert ensemble the rest of the year. This course will include required performances outside of the school day.

**Prerequisites:** Successful completion of the previous year band course or qualifying audition.

**0732 MARCHING BAND COMPETITIVE/FALL ENSEMBLES** 5 Credits

**Description:** This is a co-curricular course and is open to students who play woodwind, brass, percussion instruments and color guard. Students will be assigned to one of two sections, competitive or exhibition marching. Students will learn movement, drill, and music that culminates in a marching show that will be performed at home football games and other events. When marching season concludes after the first nine weeks, students split into ability-based concert ensembles (Concert Band, Symphonic Band, or Wind Ensemble) for the remainder of the year. This course will include performances outside of the school day.

**Prerequisites:** Successful completion of the previous year band course or qualifying audition.

**0733 CONCERT BAND** 5 Credits

**Description:** This is a co-curricular course for select students who play a band instrument. Emphasis will be placed on developing instrumental skills, rehearsal techniques, music literacy, and performance practice. All students registered for Concert Band participate in a Marching Band (first nine weeks). This course will include performances outside of the school day.

**Prerequisites:** Successful completion of the previous year band course or qualifying audition.

**0734 SYMPHONIC BAND**

5 Credits

**Description:** This is a co-curricular course for select students who play a band instrument. Emphasis will be placed on intermediate instrumental skills, rehearsal techniques, music literacy, and performance practice. All students registered for Symphonic Band are required to participate in a Marching Band (first nine weeks). This course will include performances outside of the school day.

**Prerequisites:** Audition required for membership in class. Ensemble placement is based upon the score of an audition rubric.

**0735 WIND ENSEMBLE**

5 Credits

**Description:** This co-curricular course for select advanced students who play a band instrument and have an interest in performing advanced music literature. Emphasis will be placed on advanced instrumental skills, rehearsal techniques, music literacy, and performance practice. All students registered for Wind Ensemble will participate in a Marching Band (first nine weeks). This course will include performances outside of the school day.

**Prerequisites:** Audition required for membership in class. Ensemble placement is based upon the score of an audition rubric.

**0736 PHILHARMONIC ORCHESTRA**

10 Credits

**Description:** Philharmonic Orchestra is a co-curricular course that offers instruction on violin, viola, cello, and string bass instruments with a focus on developing individual proficiency on the instrument. During this year-long course, students will focus their study on string technique as well as solo, small ensemble, and large ensemble performance. This course will include performances outside of the school day.

**Prerequisites:** Successful completion of 8th grade orchestra or recommendation of instructor.

**0737 SYMPHONY ORCHESTRA**

10 Credits

**Description:** Symphony Orchestra is an auditioned, co-curricular course for intermediate to advanced students who play violin, viola, cello, and string bass instruments. This year-long course focuses on advanced string technique; developing musical independence; audition preparation; and solo, small ensemble, and large ensemble performance skills. This course will include required performances outside of the school day.

**Prerequisites:** Completion of Philharmonic Orchestra and/or qualifying audition outlined by the instructor. Ensemble placement is based upon the score of an audition rubric.

**0739 CHAMBER ORCHESTRA**

10 Credits

**Description:** Chamber Orchestra is an auditioned, co-curricular course for select students who play violin, viola, cello, and string bass instruments. This course focuses on learning more advanced string technique; developing musical independence; audition preparation; and small ensemble performance. This course will include required performances outside of the school day.

**Prerequisites:** Completion of Philharmonic Orchestra and/or qualifying audition outlined by the instructor. Ensemble placement is based upon the score of an audition rubric.

**0756 CONCERT CHOIR**

10 Credits

**Description:** Concert Choir is a co-curricular course designed for any student who wants to sing. No previous singing experience necessary. Emphasis will be placed on developing vocal skills, rehearsal techniques, music literacy, and performance practice. Repertoire selections will include music from a variety of cultures, styles, and genres (e.g., pop, classical, jazz, world, sacred, secular). This course will include required performances outside of the school day.

**Prerequisites:** None. Audition is NOT required for this class.

**0757 CHORALE**

10 Credits

**Description:** Chorale (Mixed, Bass, Treble) is a co-curricular course where students will experience singing in an intermediate choral ensemble. Emphasis will be placed on intermediate vocal skills, rehearsal techniques, music literacy, and performance practice. Repertoire selections will include intermediate music from a variety of cultures, styles, and genres (e.g., pop, classical, jazz, world, sacred, secular). This year-long course will include required performances outside of the school day.

**Prerequisites:** Audition required for membership in class. Ensemble placement is based upon score of audition rubric.

**0758 SINGERS**

10 Credits

**Description:** Singers is a co-curricular auditioned course designed for students who will experience singing in an advanced large ensemble. Emphasis will be placed on advanced vocal skills, rehearsal techniques, music literacy, and performance practice. Repertoire selections will include advanced music from a variety of cultures, styles, and genres (e.g., pop, classical, jazz, world, sacred, secular). This year-long course will include required performances outside of the school day.

**Prerequisites:** Audition required for membership in class. Ensemble placement is based upon score of audition rubric.

**0746 DIGITAL MUSIC PRODUCTION/SONGWRITING** 5 Credits

**Description:** This semester-long course will introduce students to the fundamentals of using software and hardware tools for producing music (including digital music editing, multi-track recording, and microphone technique). The class uses a series of project-based learning activities which includes manipulating premade and student-created loops, voice recording and alteration (ex. auto-tune), and editing/remixing songs. Students will complete a culminating project consisting of 12 minutes of student-created music. Students may take this course twice, with the second time having more choice with the focus on album creation.

**Prerequisites:** None. Prior experience in music, instruments, and advanced technology knowledge not required.

**0747 MUSIC EXPLORATION** 5 Credits

**Description:** Music Exploration is a non-performance course with an open laboratory environment that provides students various opportunities to learn about music through the potential lenses of career opportunities, musical instrument experimentation, and responding to the music surrounding our lives. This course is open to all students regardless of previous music experience or enrollment in music ensembles.

**Prerequisites:** None.

**0798 INTRODUCTION TO MUSIC THEORY** 5 Credits

**Description:** This non-performance-based course will provide students with an understanding of the basic fundamentals of how music works. Students will explore notation, scales, chords, analysis, and musical structure. Students will benefit from this course by understanding how musical elements fit together to be an informed listener, musician, performer, and/or composer.

**Prerequisites:** Previous musical experience is not required, but may be beneficial.

**0799 ADVANCED PLACEMENT® MUSIC THEORY** 5 Credits

**Description:** This course builds off concepts from Introduction to Music Theory by expanding students' understanding of music through a critical analysis of music literature and composition. Harmonic analysis, structure, and compositional tools are coupled with ear training and musical dictation to prepare students for the Advanced Placement® Music Theory exam.

**Prerequisites:** Successful completion of Introduction to Music Theory and/or permission of the instructor.

**0767 IB MUSIC SL BAND** 11-12 North only 10 Credits

**Description:** This course will offer insights into melody, rhythm, intervals, triads, harmony, notation, ear training, and music history. It will also include an intense study of music theory, literature, international cultural studies, history, composition, and performance. This course will include concerts outside of the school day. (Band performance for IB credit)

**Prerequisites:** Successful completion of Band in both 9<sup>th</sup> and 10<sup>th</sup> grades and music theory assessment.

**0769 IB MUSIC SL ORCHESTRA** 11-12 North only 10 Credits

**Description:** This course will offer insights into melody, rhythm, intervals, triads, harmony, notation, ear training, and music history. It will also include an intense study of music theory, literature, international cultural studies, history, composition, and performance. This course will include concerts outside of the school day. (Orchestra performance for IB credit)

**Prerequisites:** Successful completion of Orchestra in both 9<sup>th</sup> and 10<sup>th</sup> grades and music theory assessment.

All Music courses can fulfill the Fine and Performing Arts Graduation Requirement.

# PHYSICAL EDUCATION

## INFORMATION REGARDING PHYSICAL EDUCATION

PHYSICAL EDUCATION GRADUATION REQUIREMENT = 15 CREDIT HOURS

Each course listed below is worth 5 credits.

Please Note: To support diverse physical activity experiences, each Physical Education course may only be taken once to meet the 15 credit graduation requirement. Upon completion of the 15 credit graduation requirement the following courses may be repeated for elective credit if space is available: Cross Training II, Weight Training and Conditioning II, and Aquatics II.

### 9th Grade Offerings

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- |   |   |
|---|---|
| <p><b>0800</b> Sport Skills &amp; Fitness</p> <p><b>0801</b> Cross Training I</p> <p><b>0802</b> Cross Training II</p> <p><b>0805</b> Weight Training and Conditioning I</p> <p><b>0806</b> Weight Training and Conditioning II</p> | <p><b>0808</b> Aquatics I</p> <p><b>0810</b> Aquatics II</p> <p><b>0814</b> Athletic Training &amp; Sports Injury*</p> <p><b>0817</b> Sport Officiating</p> |
|---|---|

### 10th Grade Offerings

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- |   |   |
|---|---|
| <p><b>0800</b> Sport Skills &amp; Fitness</p> <p><b>0801</b> Cross Training I</p> <p><b>0802</b> Cross Training II</p> <p><b>0805</b> Weight Training &amp; Conditioning I</p> <p><b>0806</b> Weight Training &amp; Conditioning II</p> <p><b>0808</b> Aquatics I</p> | <p><b>0809</b> Lifeguard Training</p> <p><b>0810</b> Aquatics II</p> <p><b>0814</b> Athletic Training &amp; Sports Injury*</p> <p><b>0816</b> Sports Performance</p> <p><b>0817</b> Sport Officiating</p> |
|---|---|

### 11th & 12th Grade Offerings

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- |   |  |
|---|--|
| <p><b>0800</b> Sport Skills &amp; Fitness</p> <p><b>0801</b> Cross Training I</p> <p><b>0802</b> Cross Training II</p> <p><b>0803</b> Lifetime Fitness</p> <p><b>0805</b> Weight Training &amp; Conditioning I</p> <p><b>0806</b> Weight Training &amp; Conditioning II</p> <p><b>0808</b> Aquatics I</p> | <p><b>0809</b> Lifeguard Training</p> <p><b>0810</b> Aquatics II</p> <p><b>0814</b> Athletic Training &amp; Sports Injury*</p> <p><b>0815</b> Athletic Train. &amp; Sports Injury Internship* (10 cr)</p> <p><b>0816</b> Sports Performance</p> <p><b>0817</b> Sport Officiating</p> |
|---|--|

\*Elective Credit Only

PHYSICAL EDUCATION			
Course #	Course Name	Credits	Grad Requirement
0800	Sport Skills and Fitness	5	PE
0801	Cross Training I	5	PE
0802	Cross Training II	5	PE
0803	Lifetime Fitness	5	PE
0805	Weight Training and Conditioning I	5	PE
0806	Weight Training and Conditioning II	5	PE
0808	Aquatics I	5	PE
0809	Lifeguard Training	5	PE
0810	Aquatics II	5	PE
0814	Athletic Training and Sports Injury	5	
0815 A/B	Athletic Training and Sport Injuries Internship	10	
0816	Sports Performance	5	PE
0817	Sport Officiating	5	PE

PE = Fulfills Physical Education Graduation Requirement

<b>PHYSICAL EDUCATION</b>
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**0800 SPORT SKILLS AND FITNESS**

**5 Credits**

**Description:** Students will engage in lifelong individual and team activities while learning about the importance of fitness, nutrition, and exercise. Class activities last between five to ten class periods. This course fulfills the Physical Education Graduation Requirement.

**Prerequisites:** None

Activities:

- |                 |   |
|-----------------|---|
| 1. Basketball   | 7. Cooperative Games/Team Building        |
| 2. Badminton    | 8. Softball                               |
| 3. Volleyball   | 9. Football                               |
| 4. Soccer       | 10. Fitness Knowledge/Physical Assessment |
| 5. Floor Hockey | 11. Pickleball                            |
| 6. Tennis       |   |



**0801 CROSS TRAINING I****5 Credits**

**Description:** Students will learn about nutrition and fitness lifestyle concepts, while participating in aerobic/anaerobic exercise. These activities use continuous movement for a determined amount of time. This course fulfills the Physical Education Graduation Requirement.

**Prerequisites:** None

Activities:

- |                                    |                                 |
|------------------------------------|---------------------------------|
| 1. Muscular Strength and Endurance | 4. Flexibility                  |
| 2. Cardiorespiratory Endurance     | 5. Literature in Healthy Living |
| 3. Skill-related Fitness           | 6. Movement Patterns            |

Optional Enrichment Activities:

1. Core strengthening activities
2. Swimming/Aquatic activities (Pending instructor American Red Cross certification and pool availability)

**0802 CROSS TRAINING II****5 Credits**

**Description:** Students will build and expand their knowledge from the learning experiences gained in Cross Training I. This course fulfills the Physical Education Graduation Requirement.

**Prerequisites:** Cross Training I. Cross Training II may be repeated for PE credit.

Activities:

- |                                    |                                 |
|------------------------------------|---------------------------------|
| 1. Muscular Strength and Endurance | 4. Flexibility                  |
| 2. Cardiorespiratory Endurance     | 5. Literature in Healthy Living |
| 3. Skill-related Fitness           | 6. Movement Patterns            |

Optional Enrichment Activities:

1. Core strengthening activities
2. Swimming/Aquatic activities (Pending instructor American Red Cross certification and pool availability)

**0803 LIFETIME FITNESS****11-12****5 Credits**

**Description:** Each student will develop a personal fitness and wellness plan while learning skills necessary to participate in leisure activities. These experiences will make the student aware of the importance of nutrition and exercise in achieving a healthy lifestyle. Lifestyle fitness concepts will be taught in the classroom on an alternating basis, along with lifetime sport activities. This course fulfills the Physical Education Graduation Requirement.

**Prerequisites:** None

Activities:

- |                     |   |
|---------------------|---|
| 1. Badminton        | 8. Softball                               |
| 2. Tennis           | 9. Wellness Activities                    |
| 3. Fitness Exercise | 10. Pickleball                            |
| 4. Soccer           | 11. Flag Football/Ultimate Football       |
| 5. Ultimate Frisbee | 12. Fitness Knowledge/Physical Assessment |
| 6. Basketball       | 13. Nutrition                             |
| 7. Volleyball       | 14. Table Tennis                          |

Optional Enrichment Activities: Off-campus experiences only with permission from the building principal

- |  |                    |
|--|--------------------|
| 1. Frisbee Golf  | 7. Bowling         |
| 2. Roller Skating/Laser Runner   | 8. Roller Hockey   |
| 3. Floor Hockey  | 9. Ice Skating     |
| 4. Rock Climbing/Rappelling  | 10. Batting Cages  |
| 5. Fitness/Health Centers/Weight Room  | 11. Guest Speakers |
| 6. Swimming/Aquatic activities (Pending instructor American Red Cross certification and pool availability) |                    |

**0805 WEIGHT TRAINING AND CONDITIONING I****9-12****5 Credits**

**Description:** Students will be introduced to weight training. Emphasis will be placed on safety, introduction of proper lifting techniques, establishing workout routines and record keeping while lifting appropriate loads and doing conditioning activities. Both free weights and universal gym weights will be used. This course fulfills the Physical Education Graduation Requirement.

**Prerequisites:** None

Activities:

- |  |   |
|--|---|
| 1. Weight lifting exercises                  | 6. Free weights and universal gym weights |
| 2. Proper lifting techniques                 | 7. Conditioning activities                |
| 3. Workout routines                          | 8. Fitness Knowledge/Physical Assessment  |
| 4. Physiological and kinesiological concepts | 9. Nutrition                              |
| 5. Weight training principles                |   |

**0806 WEIGHT TRAINING AND CONDITIONING II****9-12****5 Credits**

**Description:** Students will expand on learning experiences gained from Weight Training & Conditioning I. Students will be introduced to advanced weight training. Emphasis will be placed on safety, improving proper lifting techniques, developing, assessing, and selecting advanced workout routines and record keeping while lifting appropriate loads and doing conditioning activities. This course fulfills the Physical Education Graduation Requirement.

**Prerequisites:** Weight Training & Conditioning I. Weight Training & Conditioning II may be repeated for PE credit.

Activities:

- |  |   |
|--|---|
| 1. Advanced weight lifting exercises         | 6. Free weights and universal gym weights |
| 2. Proper lifting techniques                 | 7. Conditioning activities                |
| 3. Advanced workout routines                 | 8. Fitness Knowledge/Physical Assessment  |
| 4. Physiological and kinesiological concepts | 9. Nutrition                              |
| 5. Advanced weight training principles       |   |

**0808 AQUATICS I****5 Credits**

**Description:** Students who are novice swimmers will further develop basic swimming strokes and water safety skills. This course fulfills the Physical Education Graduation Requirement.

**Prerequisites:** Each student is required to furnish their own towel and swimsuit. They should have the ability to dive into deep water. Students should be able to swim the length of the pool non-stop using freestyle, back, and rescue strokes.

Activities:

- |                                      |                   |
|--------------------------------------|-------------------|
| 1. Basic Water Safety Skills         | 4. Water Sports   |
| 2. Basic Swimming Strokes and Skills | 5. Water Aerobics |
| 3. Community Water Safety            | 6. Nutrition      |

## **0809 LIFEGUARD TRAINING**

**10-12**

**5 Credits**

**Description:** Students who are advanced swimmers will follow the program designed by the American Red Cross. Students who successfully complete this class may qualify to receive the Red Cross Certification in Lifeguard Training, First Aid & CPR for the Professional Rescuer. This course fulfills the Physical Education Graduation Requirement.

**Prerequisites:** Aquatics II. Each student is required to furnish their own towel, swim suit, and CPR mouth guard (BOE Rule 6750.1); be 15 years of age on or before the beginning of the course, and complete both of the following physical evaluations:

1. Jump into the water and totally submerge, resurface then swim 150 yards using the front crawl, breaststroke, or a combination of both. Swimming on the back or side is not permitted. Swim goggles are allowed. Maintain position at the surface of the water for two minutes by treading water using only the legs. Swim 50 yards using the front crawl, breaststroke, or a combination of both.

2. Students also need to complete a timed event within 1 minute and 40 seconds. Starting in the water, swim 20 yards. The face may be in or out of the water. Swim goggles are not allowed. Surface dive (feet-first or head-first) to a depth of 7 to 10 feet to retrieve a 10-pound object. Return to the surface and swim 20 yards on the back to return to the starting point, holding the object at the surface with both hands and keeping the face at or near the surface. Exit the water without using a ladder or steps.

Activities:

- |                       |                      |
|-----------------------|----------------------|
| 1. Advanced Swimming  | 3. Water Safety      |
| 2. Lifeguard Training | 4. First Aid and CPR |

## **0810 AQUATICS II**

**5 Credits**

**Description:** Students who are advanced swimmers will learn the benefits of fitness swimming and its effect on lifetime health. Major emphasis will be on safety, hydrodynamics, and fitness concepts. This course fulfills the Physical Education Graduation Requirement.

**Prerequisites:** Students must be able to swim continuously using the crawl stroke, backstroke, and breaststroke in any combination. Students are required to furnish their own towels and swimsuits. Aquatics II may be repeated for PE credit.

Activities:

- |                                |                           |
|--------------------------------|---------------------------|
| 1. Fitness Programming         | 5. Water Aerobics         |
| 2. Training Concepts           | 6. Community Water Safety |
| 3. Hydrodynamic Concepts       | 7. Community CPR          |
| 4. Fitness Swimming Activities | 8. Nutrition              |

## **0814 ATHLETIC TRAINING AND SPORTS INJURY**

**5 Credits**

**Description:** Students will learn about athletic training and the health care of the athlete. The primary focus of study will revolve around the prevention, recognition, treatment, and rehabilitation of injuries caused during physical activity or athletics. Basic knowledge of anatomy and physiology, emergency first aid, and the discussion of a variety of athletic injuries will be discussed in the traditional classroom format. In addition, students will gain hands-on experience in laboratory activities that include taping techniques, splinting methods, the use and principles of common modalities used to treat athletic injuries, as well as basic principles applied in the rehabilitation of injuries. This course is for elective credit only and does not fulfill the 15 credit Physical Education Graduation Requirement.

**Prerequisites:** None

**0815 ATHLETIC TRAINING AND SPORTS INJURIES INTERNSHIP      11-12      10 Credits**

**Description:** The Athletic Training and Sports Injuries Internship is designed as a mutually beneficial experience for Millard Athletic Training students and the high school. Athletic Training students volunteer their athletic training and first aid skills as support to a variety of sports activities. This coordination would take place with the head athletic trainer and various sports teams/organizations. The experience would enhance the athletic training students' skills while providing an important health care service. Students will be required to complete 80 hours of community service (within and/or out of school.) This course may be offered for Dual Enrollment (college credit) through UNO. This course is for elective credit only and does not fulfill the 15 credit Physical Education Graduation Requirement.

**Prerequisites:** Athletic Training and Sports Injury; students are required to be actively involved in the Student Athletic Trainer program while enrolled in this course.

**0816 SPORTS PERFORMANCE      10- 12      5 Credits**

**Description:** Student athletes who are involved in a current Nebraska School Activities Association (NSAA) sanctioned sport offered through Millard Public Schools, or students with instructor approval, may take this class to improve their strength, agility, flexibility, and mental performance for their particular sport(s). Registration is limited and determined by availability of space and coaching staff. Students will also participate in the Physical Assessment. This course fulfills the Physical Education Graduation Requirement. Sports Performance may be repeated for PE credit.

**Prerequisites:** Weight Training and Conditioning II

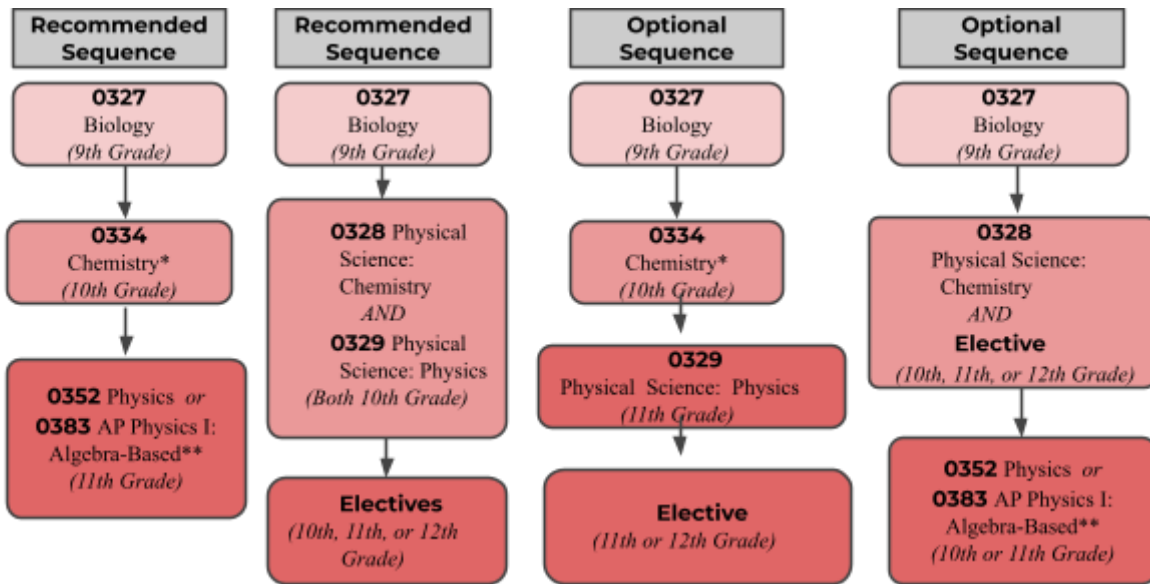
**0817 SPORT OFFICIATING      11-12      5 Credits**

**Description:** Students will gain the knowledge and experience necessary to become an official in a variety of major sports including, but not limited to, basketball, football, volleyball, baseball, softball, and soccer. Coursework will include classroom activities, exercise, field experiences, guest speakers, and video lessons. Upon successful completion of this course, students interested in employment with youth organizations or the NSAA may pursue these activities at their own discretion. Students will participate in Physical Assessment. This course fulfills the Physical Education Graduation Requirement.

**Prerequisites:** None

# SCIENCE

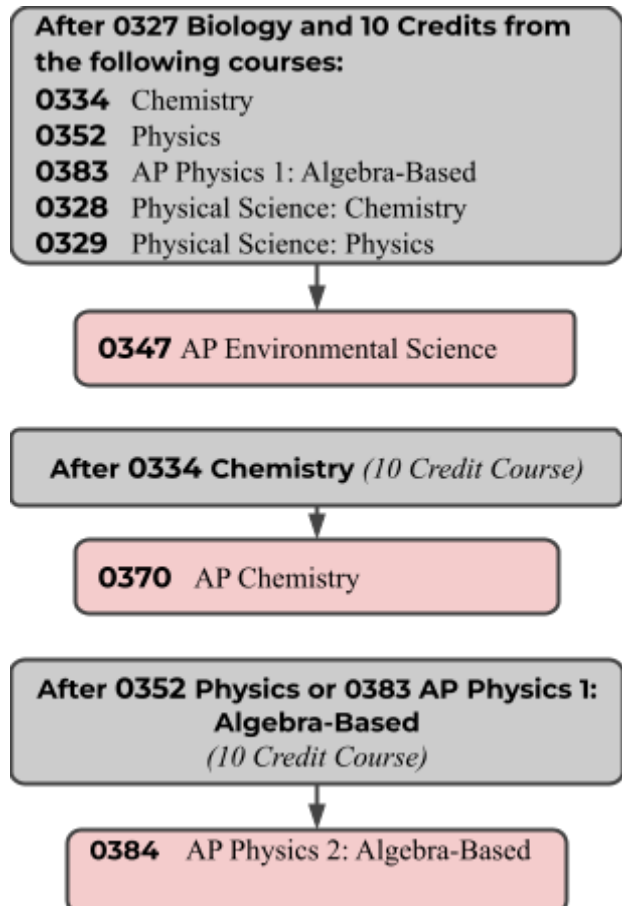
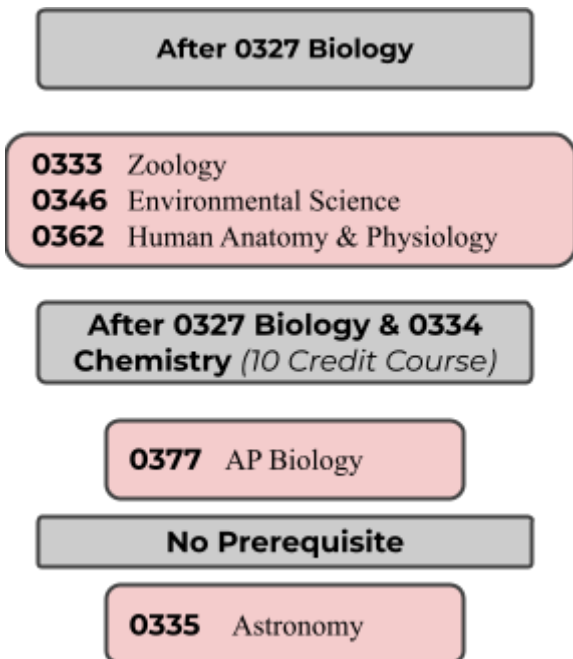
**Required: Follow one of the following sequences.**



\*0334 Chemistry: students must successfully complete the entire course. If dropped, or not passed, a student will need to enroll in 0328 Physical Science: Chemistry.

\*\*0352 Physics or 0383 AP Physics I: Algebra-Based: students must successfully complete the entire course. If the courses are dropped, a student will need to enroll in 0329 Physical Science: Physics.

Science electives: May be taken after the specified prerequisites.



## Millard North High School IB Diploma Programme Students Only

Follow one of the sequences depicted below, preferred sequence is bolded.

Group 4 - Experimental Sciences	9th Grade	10th Grade	11th Grade	12th Grade
Biology SL	<b>Biology</b>	<b>Chemistry</b>	<b>Physics or AP Physics I</b>	<b>Biology SL</b>
	<b>Biology</b>	<b>Chemistry Physics or AP Physics I</b>	<b>Biology SL</b>	
	Biology	P.Science Chem/ P.Science Physics	Biology SL	
Biology HL	Biology	Chemistry Physics or AP Physics I	Biology HL I	Biology HL II
Chemistry HL	<b>Biology</b>	<b>Chemistry Physics or AP Physics I</b>	<b>Chemistry HL I</b>	<b>Chemistry HL II</b>
	Biology	Physics Introduction to IB Chemistry (semester)	Chemistry HL I	Chemistry HL II
Physics SL	<b>Biology</b>	<b>Chemistry</b>	<b>Physics or AP Physics I</b>	<b>Physics SL</b>
	<b>Biology</b>	<b>Chemistry Physics or AP Physics I</b>	<b>Physics SL</b>	
	Biology	Chemistry	Introduction to IB Physics (semester)	Physics SL
Physics HL	<b>Biology</b>	<b>Chemistry Physics or AP Physics I</b>	<b>Physics HL I</b>	<b>Physics HL II</b>
	Biology	Chemistry Intro to IB Physics (semester)	Physics HL I	Physics HL II
Computer Science HL			<b>Computer Science HL I</b>	<b>Computer Science HL II</b>

SCIENCE			
Course #	Course Name	Credits	Grad Requirement
0321 A/B	Introduction to IB Chemistry and IB Physics (North Only)	10	C, P
0327 A/B	Biology	10	
0328	Physical Science: Chemistry	5	C
0329	Physical Science: Physics	5	P
0333	Zoology	5	
0334 A/B	Chemistry	10	C
0335	Astronomy	5	
0346	Environmental Science	5	
0347 A/B	AP Environmental Science	10	
0352 A/B	Physics	10	P
0362 A/B	Human Anatomy and Physiology	10	
0370 A/B	AP Chemistry	10	
0371 A/B	IB Chemistry HL I	10	
0372 A/B	IB Chemistry HL II	10	
0375 A/B	IB Biology SL	10	
0376 A/B	IB Biology HL I	10	
0377 A/B	AP Biology	10	
0378 A/B	AP Biology HL II	10	
0383 A/B	AP Physics 1: Algebra-Based	10	P
0384 A/B	AP Physics 2: Algebra-Based	10	
0380 A/B	IB Physics SL	10	
0381 A/B	IB Physics HL I	10	
0382 A/B	IB Physics HL II	10	

C = Fulfills the Chemistry Graduation Requirement

P = Fulfills the Physics Graduation Requirement

SCIENCE
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**0321 INTRODUCTION TO IB CHEMISTRY AND IB PHYSICS 10 North only 10 Credits**

**Description:** Introduction to IB Chemistry and IB Physics will offer the Pre-Diploma Programme students a full year of Chemistry concepts during the first semester and a full year of Physics concepts during the second semester in preparation for IB Chemistry and IB Physics. Chemistry and Physics topics will be taught in a rigorous, fast-paced, and integrated manner within this Millard Public Schools developed course. Laboratory work will emphasize open-ended questions, and students will design experiments to answer these questions. Evaluation of student work will be based on IB models.

**Prerequisites:** Biology, Algebra 1 and concurrent enrollment in Algebra 2. Students must be enrolled in the IB program.

**0327 BIOLOGY 9 10 Credits**

**Description:** Biology offers an opportunity to explore diversity and interdependence in our living world. This course provides a general overview of major biological topics including the cell, ecology, genetics, biochemistry and interdependence of organisms, and related Earth science concepts. Students will develop a conceptual understanding of biology as they acquire important information and refine their laboratory skills, through inquiry and 3-Dimensional teaching and learning strategies.

**Prerequisites:** None

**0333 ZOOLOGY**

5 Credits

**Description:** Zoology is an opportunity for students to explore the animal kingdom. In this lab course, students will use 3-Dimensional teaching and learning strategies to discover the various interactions and behaviors of animals in their environment and how humans are affecting the environment. In addition, students will examine the structure and function of animal systems through the dissections of preserved animals.

**Prerequisites:** Biology

**0334 CHEMISTRY**

10 Credits

**Description:** In Chemistry, students develop a strong understanding of atomic structure, chemical properties, periodicity, and reactions while enhancing critical thinking and lab skills through hands-on experiences utilizing 3-Dimensional teaching and learning strategies. In addition, related space science concepts are explored. This college preparatory class is beneficial for all students going to college, not just students planning to major in science.

**Prerequisites:** Biology, Algebra I (or Algebra I/Geo: Foundations 2) or Algebra 1 and concurrent enrollment in Algebra 2

**0328 PHYSICAL SCIENCE: CHEMISTRY**

10-11

5 Credits

**Description:** In Physical Science: Chemistry, students explore traditional concepts of atomic structure, properties of matter, and interactions of matter, as well as related space science concepts, while enhancing critical thinking and lab skills through hands-on experiences utilizing 3-Dimensional teaching and learning strategies.

**Prerequisites:** Biology

**0335 ASTRONOMY**

5 Credits

**Description:** This course offers an opportunity to explore various astronomy topics through 3-Dimensional teaching and learning strategies. Students will build their knowledge of the physical process that shaped the universe with emphasis on the development of an Earth Moon system, formation of the solar system, life cycles of stars, and Earth's space within the galaxy and universe. The goal of the course is to explore the universe and its development over time.

**Prerequisites:** None

**0346 ENVIRONMENTAL SCIENCE**

5 Credits

**Description:** This course will help students become aware of how they fit into the delicate balance of their environment through 3-Dimensional teaching and learning strategies. Students will analyze natural and human-made environmental problems, evaluate their risks and examine potential actions for preventing or solving these problems. Critical thinking, utilization of lab skills, and participation in hands-on experiences will be significant components of this course.

**Prerequisites:** Biology

**0352 PHYSICS**

10-11

10 Credits

**Description:** Students will investigate the physical world through hands-on, technology-based laboratory experiences that emphasize critical thinking and problem solving through 3-Dimensional teaching and learning strategies. This course will provide insight into topics of forces and motion, gravitation, heat, energy transformations, nuclear energy, electricity and magnetism, light, sound, and relevant Earth science concepts.

**Prerequisites:** Biology, Algebra II (or Honors Algebra II or Algebra II: Foundations 4), or Algebra 2 (or Honors Algebra 2) and completion or concurrent enrollment in Algebra 3 (or Honors Algebra 3)

**0329 PHYSICAL SCIENCE: PHYSICS**

10-11

5 Credits

**Description:** In Physical Science: Physics, students use hands-on, technology-based laboratory experiences to explore and verify Newton's three laws of motion, universal forces, energy transformations, heat, sound, light, nuclear physics, and related Earth science concepts through 3-Dimensional teaching and learning strategies.

**Prerequisites:** Biology

**0347 ADVANCED PLACEMENT® ENVIRONMENTAL SCIENCE**

10 Credits

**Description:** In this course, students learn about the interrelationships of the natural world. Students analyze natural and human-made environmental problems, evaluate their risks, and examine potential solutions for preventing or solving these problems. Critical thinking is necessary in this course that includes a strong laboratory and field investigation component. Completion of this course will prepare students to take the Advanced Placement® Environmental Science exam.

**Prerequisites:** Biology and 10 credits from the following courses: Chemistry, Physics, Physical Science: Chemistry, or Physical Science: Physics



**0362 HUMAN ANATOMY AND PHYSIOLOGY**

10 Credits

**Description:** This course is an in-depth study of the structure and function of human body systems. Through 3-Dimensional teaching and learning strategies, students will refine their laboratory skills and develop a conceptual understanding of the human body. Students will participate in dissection of preserved specimens, explore current health topics such as the cause and prevention of disease, and acquire health occupational skills.

**Prerequisites:** Biology

**0370 ADVANCED PLACEMENT® CHEMISTRY**

10 Credits

**Description:** This course provides a rigorous, in-depth study centered around six big ideas: atomic structure of matter, chemical bonding and interactions, chemical and physical changes of matter, rates of chemical reaction, laws of thermodynamics, and equilibrium. Advanced inquiry and reasoning skills will be developed in this course, including intensive laboratory experiences. Advanced Placement® Chemistry is designed to be equivalent to college level general chemistry courses; therefore, student expectations and outcomes will be similar. Completion of this course will prepare students to take the Advanced Placement® Chemistry exam.

**Prerequisites:** Chemistry, Algebra II (or Honors Algebra II), Algebra 2 (or Honors Algebra 2) and concurrent enrollment in Algebra 3 or Honors Algebra 3 or higher

**0371 IB CHEMISTRY HL I****11 North only**

10 Credits

**Description:** IB Chemistry HL I is the first year, grade 11, of a two-year sequence for IB students testing Higher Level. This course provides an in-depth study of the structure of matter (atomic theory, atomic structure, chemical bonding, nuclear chemistry), states of matter (gases, liquids, solids, solutions), and reactions (reaction types, stoichiometry, equilibrium, kinetics, thermodynamics). IB Chemistry HL I is designed to be equivalent to college level general chemistry courses; therefore, student expectations and outcomes will be similar. In addition to the traditional classroom format, students participate in an intensive laboratory experience and become familiar with current scientific literature.

**Prerequisites:** IB student needs completion of Chemistry or Introduction to IB Chemistry and IB Physics (0321A) and Algebra II (or Honors Algebra II), Algebra 2 (or Honors Algebra 2) and concurrent enrollment in Algebra 3 (or Honors Algebra 3) or higher

**0372 IB CHEMISTRY HL II****12 North only**

10 Credits

**Description:** This course provides an in-depth study of the major concepts in chemistry. This course is the second of the two-year course designed to prepare a student to take the IB Chemistry Higher Level examination. Students will develop a wide range of practical skills: investigation design, data collection and analysis, and communication of findings. Topics of study will include chemical reactions, organic chemistry, data analysis, and energy. Students will participate in intensive laboratory experience, which will be a component of the student's internal assessment for the course.

**Prerequisites:** IB Chemistry HL I

**0375 IB BIOLOGY SL****11-12 North only**

10 Credits

**Description:** This one-year course provides an in-depth study of the major concepts and themes in biology. The course is designed to prepare a student to take the IB Standard Level examination or the AP examination. Approximately 25% of class time will be devoted to laboratory experiences, which will be a component of the student's internal assessment for the course. In addition to lecture/discussion and laboratory, class time will be used for IB students to work on an interdisciplinary Group 4 project.

**Prerequisites:** Chemistry and Physics OR Physical Science: Chemistry and Physical Science: Physics

**0376 IB BIOLOGY HL I****11 North only**

10 Credits

**Description:** This course provides an in-depth study of the major concepts and themes in biology. This course is the first year of the two-year course designed to prepare a student to take the IB Biology Higher Level examination. It is equivalent to a college level General Biology course. Approximately 25% of class time will be devoted to laboratory experiences that will be a component of the student's internal assessment for the course.

**Prerequisites:** Chemistry and Physics

**0377 ADVANCED PLACEMENT® BIOLOGY**

10 Credits

**Description:** Advanced Placement® Biology provides an in-depth study of the rigorous components of the life sciences and emphasizes traditional and current biology concepts. This course is equivalent to a college-level introductory biology course and provides a strong preparation for post-high school science. This lab-based course may include the dissection of preserved specimens. AP Biology students should possess strong writing, reading, and analytical skills. Completion of this course will prepare students to take the Advanced Placement® Biology exam.

**Prerequisites:** Biology and Chemistry

**0378 IB BIOLOGY HL II** **12** **North only** 10 Credits

**Description:** This course provides an in-depth study of the major concepts and themes in biology. This course is the second of the two-year course designed to prepare a student to take the IB Biology Higher Level examination. It is equivalent to a college level General Biology course. Approximately 25% of class time will be devoted to laboratory experiences, which will be a component of the student's internal assessment for the course. In addition to lecture/discussion and laboratory, class time will be used to work on an interdisciplinary Group 4 project.

**Prerequisites:** IB Biology HL I

**0380 IB PHYSICS SL** **11-12** **North only** 10 Credits

**Description:** The standard level physics course is a study of classical and modern physics. The core syllabus describes a non-calculus-based study of the fundamental topics of physics. The emphasis is on personal experience in the scientific method. While focusing on the development of both scientific knowledge and scientific activity, students of IB Physics SL will make connections within the three domains of physics: laws of physics, experimental skills, and the social and historical aspects.

**Prerequisites:** Chemistry and Physics OR and Intro to IB Chemistry and Physics

**0381 IB PHYSICS HL I** **11** **North only** 10 Credits

**Description:** This course is the first year of the two-year course designed to prepare a student to take the IB Physics Higher Level examination. The course is a study of classical and modern physics. The core syllabus describes a non-calculus-based study of the fundamental topics of physics. The emphasis is on personal experience in the scientific method. While focusing on the development of both scientific knowledge and scientific activity, students of Physics HL I will make connections within the three domains of physics: laws of physics, experimental skills, and the social and historical aspects.

**Prerequisites:** Chemistry and Physics OR Intro to IB Chemistry and Physics

**0382 IB PHYSICS HL II** **12** **North only** 10 Credits

**Description:** The second year of IB Higher Level Physics continues the study of classical and modern Physics. During the second year HL students will study the core syllabus in more depth. In addition to the greater detail of the core, HL students may cover medical and/or particle Physics. HL students will continue the emphasis on the scientific method and studying the impact of human activities on the Earth from a scientific viewpoint.

**Prerequisites:** IB Physics HL I

**0383 ADVANCED PLACEMENT® PHYSICS 1: ALGEBRA-BASED** **10-12** 10 Credits

**Description:** Students will engage in hands-on exploration while developing an understanding of Newtonian mechanics, including rotational dynamics and angular momentum; work, energy, and power; mechanical waves and sound; and electric circuits and relevant, heat, nuclear, and earth science topics. This course is the equivalent to a first-semester college course in algebra-based physics. Completion of this course will prepare students to take the Advanced Placement® Physics 1: Algebra-Based exam. Students who successfully completed 0329 Physical Science: Physics may also take this course as a science elective during eleventh or twelfth grade. Students who successfully completed 0352 Physics are encouraged to take 0384 AP Physics 2: Algebra-Based.

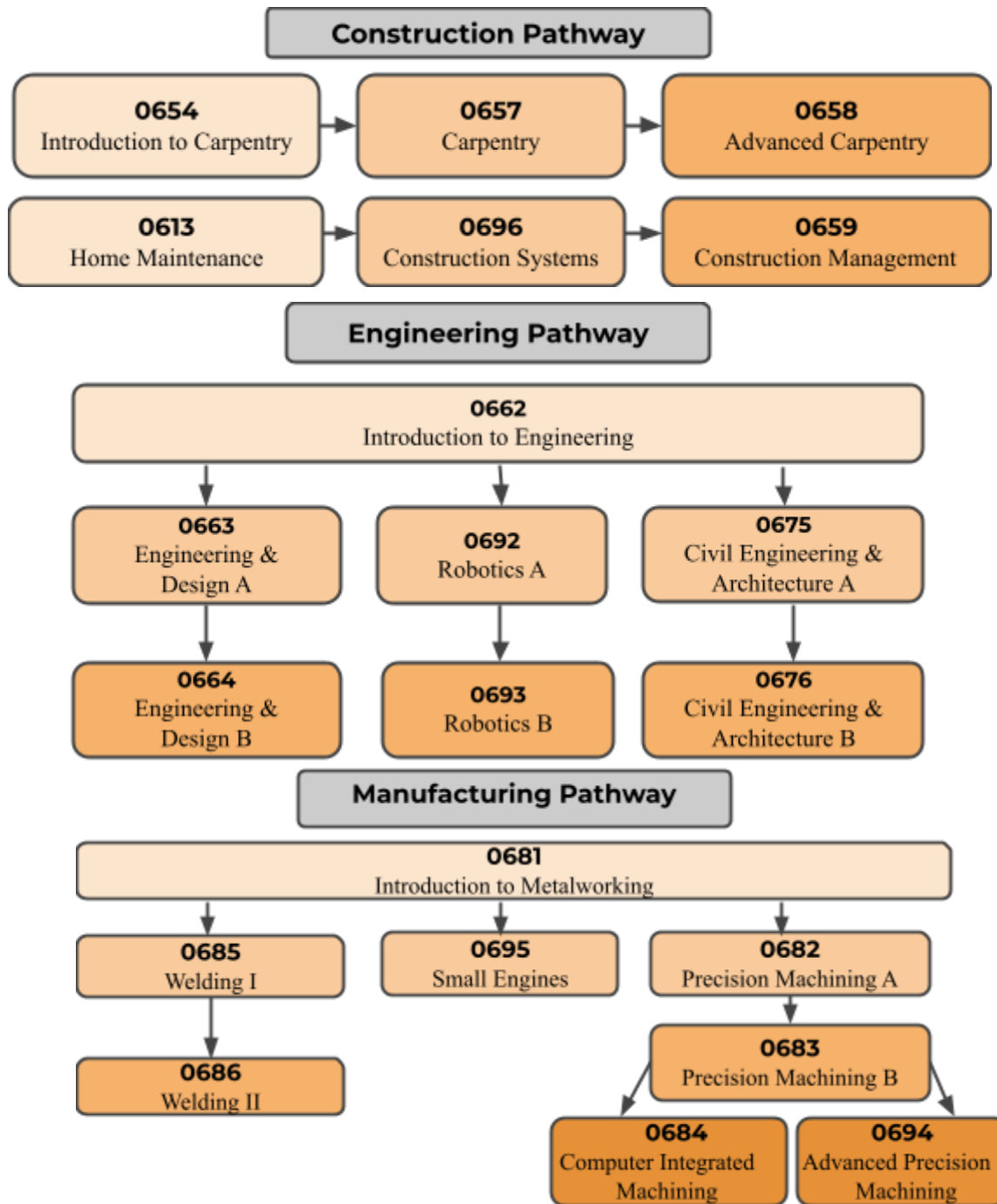
**Prerequisites:** Biology, Algebra II (or Honors Algebra II or Algebra II: Foundations 4), or Algebra 1 and completion or concurrent enrollment in Algebra 2, Honors Algebra 2, Algebra 3 or Honors Algebra 3

**0384 ADVANCED PLACEMENT® PHYSICS 2: ALGEBRA-BASED** 10 Credits

**Description:** Students will engage in hands-on exploration while developing an understanding of fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. This course is the equivalent to a second-semester college course in algebra-based physics. Completion of this course will prepare students to take the Advanced Placement® Physics 2: Algebra-Based exam.

**Prerequisites:** Physics or AP Physics 1: Algebra-Based and completion or concurrent enrollment in Precalculus or Honors Precalculus OR AP Precalculus

# SKILLED AND TECHNICAL SCIENCES



**Additional Information Regarding STS**  
**Advanced Topics**  
**0698 Stem Design & Development**

*Students must complete one Program of Study (series of 3 related courses) in Construction, Manufacturing, or Engineering Pathways to be eligible for this course.*

**Materials/Supplies:** Materials will be provided for basic projects. Students with specialized projects may be required to purchase extra materials. Students may donate money, materials, or equipment to defray the cost of consumable materials or provide appropriate personal equipment. Students who qualify for free and reduced meal waivers should discuss costs with the instructors.

## SKILLED AND TECHNICAL SCIENCES

Course #	Course Name	Credits	Grad Requirement
<b>Construction Pathway</b>			
0654	Introduction to Carpentry	5	
0657	Carpentry	5	
0658	Advanced Carpentry	5	
0613	Home Maintenance	5	
0696	Construction Systems	5	
0659	Construction and Management	5	
<b>Engineering Pathway</b>			
0662	Introduction to Engineering	5	
0663	Engineering and Design A	5	
0664	Engineering and Design B	5	
0675	Civil Engineering and Architecture A	5	
0676	Civil Engineering and Architecture B	5	
0692	Robotics A	5	
0693	Robotics B	5	
<b>Manufacturing Pathway</b>			
0681	Introduction to Metalworking	5	
0682	Precision Machining A	5	
0683	Precision Machining B	5	
0684	Computer Integrated Machining	5	
0694	Advanced Precision Machining	5	
0695	Small Engines	5	
0685	Welding I	5	
0686	Welding II	5	
<b>Advanced Topics</b>			
0698 A/B	STEM Design and Development	10	

## SKILLED AND TECHNICAL SCIENCES

### CONSTRUCTION PATHWAY

#### **0654 INTRODUCTION TO CARPENTRY**

5 Credits

**Description:** Introduction to Carpentry provides instruction in the use and safe handling of hand tools, portable power, and stationary power tools. Fundamental principles of project planning, design, fabrication, and career exploration are completed through multiple hands-on projects.

**Prerequisites:** None

#### **0657 CARPENTRY**

5 Credits

**Description:** Carpentry provides students with the skills and knowledge needed to correctly perform construction/woodworking operations using hand tools, power tools, and stationary power tools. Instruction emphasizes safe, proper operation and care of equipment, selection of construction materials, understanding processes, and the importance of design. Students will design, build, and finish multiple hands-on projects.

**Prerequisites:** Introduction to Carpentry

**0658 ADVANCED CARPENTRY**

5 Credits

**Description:** Advanced Carpentry provides students with advanced skills and knowledge needed to perform upper-level construction/woodworking operations using woodworking tools and machines. Students will obtain job-related, entry-level skills in cabinet/furniture design, material selection, project estimating, and construction. Independent student projects within this class are based on student interests and abilities. This course can be repeated for elective credit.

**Prerequisites:** Carpentry

**0613 HOME MAINTENANCE**

5 Credits

**Description:** Home Maintenance is an exploratory level course for all future homeowners. This course will introduce the learner to knowledge and skills in the areas of masonry, carpentry, plumbing, electricity, insulation, drywall, interior wall finish, exterior wall finish and repair, and basic auto. The students will also explore career opportunities in these areas.

**Prerequisites:** None

**0696 CONSTRUCTION SYSTEMS**

5 Credits

**Description:** Construction Systems introduces students to house construction framing basics, fasteners, materials, and print reading through hands-on project-based activities. Included in the class will be hands-on experiences in material selection, framing of exterior/interior walls, door/window openings, and other common residential construction components.

**Prerequisites:** Home Maintenance

**0659 CONSTRUCTION AND MANAGEMENT**

5 Credits

**Description:** Construction and Management provides students with a hands-on career exploratory experience in the construction industry. Students will study surveying and site preparation, residential construction styles, foundations, framing, roofing, siding, and applying construction management skills such as estimating and project planning to build a physical structure. Emphasis will be placed on basic entry-level skills, demonstration of employability skills, and development of an awareness of the opportunities in the building trades.

**Prerequisites:** Construction Systems

**ENGINEERING PATHWAY****0662 INTRODUCTION TO ENGINEERING**

5 Credits

**Description:** Introduction to Engineering encourages students to use a problem-solving model to explore the principles of robotics, engineering, architecture and design. Students will use sophisticated 3-dimensional modeling software to communicate the details of these products. Students will use this course to help decide which engineering path(s) they would like to explore further. This course fulfills the Technology Education Graduation Requirement if taken in or before the 2024/2025 school year.

**Prerequisites:** None

**0663 ENGINEERING AND DESIGN A**

5 Credits

**Description:** How was your phone designed, why was it designed in that way? Have you ever taken something apart just to see how it works; or to improve it? In Engineering and Design A, we will continue to improve our design skills and begin taking the next step from design to creation using 3-D printers and laser technology.

**Prerequisites:** Introduction to Engineering

**0664 ENGINEERING AND DESIGN B**

5 Credits

**Description:** Ever flown a drone or ridden a bike and thought that you could improve it somehow, make it better than others? In Engineering and Design B students will continue learning about product design while developing the knowledge of tools and machines used in the creation of products. Students will learn about Electronics and Coding to create control devices, and the use of Computer Integrated Machining (CIM) to create precision parts for their products.

**Prerequisites:** Engineering and Design A

**0675 CIVIL ENGINEERING AND ARCHITECTURE A** 5 Credits  
**Description:** Have you ever looked at a building, bridge or structure and wondered how they were built, thought about the amazing ability of humans to design and build structures that are as much art as they are function? Then you might be interested in Civil Engineering and Architecture A (CEA). In this course we will learn about the history of CEA and how generations of the past have solved engineering problems. Learn a design software program to help your ideas become a reality and apply engineering principles to real world problems.  
**Prerequisites:** Introduction to Engineering

**0676 CIVIL ENGINEERING AND ARCHITECTURE B** 5 Credits  
**Description:** Buildings and structures in our world can inspire and amaze us, but they also need to function well for their intended inhabitants and visitors. In Civil Engineering and Architecture B we will investigate design and architecture techniques involved in commercial construction. We will advance our Computer-Aided Design (CAD) skills developing a deeper understanding of Building Information Management (BIM), and we will learn how engineers and architects work together to create structures for the future.  
**Prerequisites:** Civil Engineering and Architecture A

**0692 ROBOTICS A** 5 Credits  
**Description:** In Robotics A students work with mechanical systems such as gear systems, mechanical advantage, motion, as well as programming. This hands-on course will have students problem solve and creatively think about robotic engineering tasks and challenges.  
**Prerequisites:** Introduction to Engineering

**0693 ROBOTICS B** 5 Credits  
**Description:** Robotics B expands on the concepts of Robotics A. Students will have to work with others as they are tasked with completing a challenge. These larger projects will require more advanced mechanism and programming skills to be able to successfully complete the required task. This course can be repeated for elective credit.  
**Prerequisites:** Robotics A

## MANUFACTURING PATHWAY

**0681 INTRODUCTION TO METALWORKING** 5 Credits  
**Description:** This course provides the skills and technical knowledge for a beginning student in areas of industry, safety, material, equipment, and process understanding.  
**Prerequisites:** None

**0682 PRECISION MACHINING A** 5 Credits  
**Description:** Students will be introduced to the basic modern manufacturing process of metals.  
**Prerequisites:** Introduction to Metalworking

**0683 PRECISION MACHINING B** 5 Credits  
**Description:** Students will be introduced to modern manufacturing automated processes using computer numerical controlled tools and equipment Computer Numeric Control (CNC).  
**Prerequisites:** Precision Machining A

**0684 COMPUTER INTEGRATED MACHINING** 5 Credits  
**Description:** Students will use advanced computer numerical controlled tools and equipment (CNC) to produce parts and projects to industry standards and specifications.  
**Prerequisites:** Precision Machining B

**0694 ADVANCED PRECISION MACHINING** 5 Credits  
**Description:** Students will utilize tools and equipment to produce parts and projects within specifications using metal. This course can be repeated for elective credit.  
**Prerequisites:** Computer Integrated Machining

**0695 SMALL ENGINES** 5 Credits  
**Description:** This course will provide students with basic knowledge and skills of the tools and systems needed to maintain small engines.  
**Prerequisites:** Introduction to Metalworking

**0685 WELDING I**

5 Credits

**Description:** This course introduces students to arc welding and cutting processes.

**Prerequisites:** Introduction to Metalworking

**0686 WELDING II**

5 Credits

**Description:** This course is a continuation of learning the knowledge and skills of the welding industry. This course can be repeated for elective credit.

**Prerequisites:** Welding I

**ADVANCED TOPICS****0698 STEM DESIGN AND DEVELOPMENT**

10 Credits

**Description:** STEM Design and Development is a collaborative course where students from diverse educational experiences come together as a team to define and solve real world problems through the use of science, technological skills, and engineering application.

**Prerequisites:** Students must complete one program of study (series of 3 related courses) in Construction, Manufacturing, or Engineering Pathways to be eligible for this course.

# SOCIAL STUDIES

## Required for Graduation *Suggested Sequences*

9th Grade	10th Grade	11th or 12th Grade
<b>0408</b> World Geography <i>OR</i> <b>0456</b> AP Human Geography*	<b>0420</b> World History <i>OR</i> <b>0424</b> AP World History	<b>0449</b> United States History <i>OR</i> <b>0450</b> AP United States History <i>AND</i> <b>0414</b> United States Government & Economics <i>OR</i> <b>0415</b> AP United States Government & Politics

\*0456 AP Human Geography: students must successfully complete the entire course. If dropped, or not passed, a student will need to enroll in 0408 World Geography to fulfill the World Geography graduation requirement.

### Electives

- 0415** AP United States Government and Politics\*\*
- 0422** World Religions\*\*\*
- 0424** AP World History\*\*
- 0425** Human Diversity\*
- 0426** International Relations\*
- 0430** Introduction to Behavioral Science\*
- 0431** Sociology\*
- 0432** Psychology\*
- 0433** IB Psychology\* (MNHS)
- 0442** Law Studies\*\*\*
- 0450** AP United States History\*\*
- 0451** AP European History
- 0453** AP Psychology\*\*\*\*
- 0456** AP Human Geography\*\*

\*Fulfills Human Resources Graduation Requirement

\*\*May be taken for elective credit if not taken to fulfill a Social Studies Graduation Requirement

\*\*\*Fulfills Human Resources Graduation Requirement when completed 2022-2023 and later

\*\*\*\*After successfully completing one semester of AP Psychology students will have fulfilled the required 5 Human Resources credits for graduation.

### Millard North High School IB Diploma Programme Students Only

11th - 12th Grade	12th Grade
<b>0458</b> IB Early Modern World History SL/HL I <b>0433</b> IB Psychology SL (HR) <b>0850</b> IB Theory of Knowledge I (HR)	<b>0455</b> History of the Americas HL II



SOCIAL STUDIES			
Course #	Course Name	Credits	Grad Requirement
0408	World Geography	5	
0414	United States Government and Economics	5	
V0414	United States Government and Economics	5	
0415	AP United States Government and Politics	5	
0420 A/B	World History	10	
0424 A/B	AP World History	10	
0422	World Religions	5	HR †
0425	Human Diversity	5	HR
0426	International Relations	5	HR
0430	Introduction to Behavioral Sciences	5	HR
0431	Sociology	5	HR
0432	Psychology	5	HR
V0432	Psychology	5	HR
0433 A/B	IB Psychology SL	10	HR
0442	Law Studies	5	HR †
0449 A/B	United States History	10	
0450 A/B	AP United States History	10	
0451 A/B	AP European History	10	
0453 A/B	AP Psychology	10	HR
0455 A/B	IB History of the Americas HL II	10	
0456 A/B	AP Human Geography	10	
0458 A/B	IB Early Modern World History SL/HL I	10	
0850	IB Theory of Knowledge I	5	HR

**HR = Fulfills Human Resources Graduation Requirement**

**† = See course descriptions for additional requirements**

<b>SOCIAL STUDIES</b>
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**0408 WORLD GEOGRAPHY** **9** 5 Credits

**Description:** Students will function as global citizens. They will exhibit understanding of the interactions between humans and their physical environment, cultural diversity, global interdependence, and international cooperation and conflict. With this understanding, students will develop skills necessary to analyze historical and contemporary events.

**Prerequisites:** None

**0414 UNITED STATES GOVERNMENT AND ECONOMICS** **11-12** 5 Credits

**Description:** Students will acquire knowledge and skills necessary to function as educated, concerned, and active citizens in our political and economic systems. Classroom learning is strengthened by participation and analysis of prior service learning through a culminating project.

**Prerequisites:** None

**V0414 UNITED STATES GOVERNMENT AND ECONOMICS** 11-12 5 Credits

**Description:** This course will be offered in a blended learning instructional format. Blended learning courses use a combination of best practices, including online learning and face-to-face instruction. Teachers will communicate a schedule of face-to-face learning time for their course. When students are not meeting with a teacher, they will engage in “independent learning” in designated areas or may leave campus if they have open campus privileges. Students will be offered opportunities for collaboration or for quiet study in the library on days when they are not meeting in their classroom. This course follows the same curriculum guide and uses the same instructional materials as the traditional face-to-face course. The class is taught by Millard teachers and will begin and end on the same dates as the face-to-face course. Grades and credits are calculated the same in blended as traditional learning courses. Final exams will be administered during the regular final exam schedule. There are a limited number of sections that will be offered as the blended learning format. To participate in a blended learning course, submit your request at the time of course registration.

United States Government and Economics students will acquire knowledge and skills necessary to function as educated, concerned, and active citizens in our political and economic systems. Classroom learning is strengthened by participation and analysis of prior service learning through a culminating project.

**Prerequisites:** None

**0415 ADVANCED PLACEMENT® UNITED STATES GOVERNMENT AND POLITICS** 11-12 5 Credits

**Description:** Students will acquire knowledge and skills necessary to function as educated, concerned and active citizens in our political and economic system. Classroom learning is strengthened by participation and analysis of prior service learning through a culminating project. Completion of this course will prepare students to take the Advanced Placement® United States Government and Politics exam.

**Prerequisites:** None

**0420 WORLD HISTORY** 10-12 10 Credits

**Description:** Students will examine the interaction of humans and their environment, development and interaction of cultures, and comparison of economic, political, and social structures in order to analyze their historical impact upon one another. This course explores the time period from prehistory to the present.

**Prerequisites:** None

**0424 ADVANCED PLACEMENT® WORLD HISTORY** 10-12 10 Credits

**Description:** Students will examine concepts such as the interaction of humans and the environment, development and interaction of cultures, comparison of economic, political, and social structures in this college level course. This course covers the time periods from prehistory to the present. Completion of this course will prepare students to take the national Advanced Placement® exam in World History.

**Prerequisites:** None

**0422 WORLD RELIGIONS** 5 Credits

**Description:** Students will analyze the five major religions of the world: Buddhism, Christianity, Hinduism, Islam, and Judaism. Students will explore the basic tenets and history of each religion to evaluate the impact of people, events, ideas and symbols upon each other. This course fulfills the Human Resources Graduation requirement.

**Prerequisites:** World Geography or AP Human Geography

**0425 HUMAN DIVERSITY** 5 Credits

**Description:** Students will examine contemporary problems faced by social groups, characterized by race, ethnicity, gender, and socioeconomic status, in the United States. Historical contributions and struggles of these groups will be examined and related to present-day life. This course fulfills the Human Resources Graduation Requirement.

**Prerequisites:** None

**0426 INTERNATIONAL RELATIONS** 5 Credits

**Description:** Students will analyze the role of the United States in the international community and the problems faced by our nation. Through a problem-solving approach, major issues will be investigated using historical and contemporary sources with an emphasis on understanding these complex issues. This course fulfills the Human Resources Graduation Requirement.

**Prerequisites:** None

**0430 INTRODUCTION TO BEHAVIORAL SCIENCES**

5 Credits

**Description:** Students will explore the behavioral sciences through the disciplines of anthropology, sociology, and psychology to understand the perspective of each field of study. This course fulfills the Human Resources Graduation Requirement.

**Prerequisites:** None

**0431 SOCIOLOGY**

11-12

5 Credits

**Description:** Students will develop an understanding of group behavior and social interaction through analysis of the structure, values and functions of groups in various levels of our society. This course fulfills the Human Resources Graduation Requirement.

**Prerequisites:** None

**0432 PSYCHOLOGY**

10-12

5 Credits

**Description:** Students will research the discipline of Psychology as the scientific study of the individual and his/her behavior by connecting psychology to the world. This course fulfills the Human Resources Graduation Requirement.

**Prerequisites:** None

**V0432 PSYCHOLOGY**

11-12

5 Credits

**Description:** This course will be offered in a blended learning instructional format. Blended learning courses use a combination of best practices, including online learning and face-to-face instruction. Teachers will communicate a schedule of face-to-face learning time for their course. When students are not meeting with a teacher, they will engage in “independent learning” in designated areas or may leave campus if they have open campus privileges. Students will be offered opportunities for collaboration or for quiet study in the library on days when they are not meeting in their classroom. This course follows the same curriculum guide and uses the same instructional materials as the traditional face-to-face course. The class is taught by Millard teachers and will begin and end on the same dates as the face-to-face course. Grades and credits are calculated the same in blended as traditional learning courses. Final exams will be administered during the regular final exam schedule. There are a limited number of sections that will be offered as the blended learning format. To participate in a blended learning course, submit your request at the time of course registration.

Psychology students will research the discipline of Psychology as the scientific study of the individual and his/her behavior by connecting psychology to the world. This course fulfills the Human Resources Graduation Requirement.

**Prerequisites:** None

**0433 IB PSYCHOLOGY SL**

11-12 North only

10 Credits

**Description:** This course enables students to promote an awareness of and respect for the psychological diversity of human beings with reference to their biological, social, and cultural influences. Students will develop an appreciation of the broad scope of psychology, as well as an understanding of the different theoretical approaches utilized in understanding behavior. They will be able to describe, compare, and evaluate the key ideas of all four of psychology’s major perspectives, as well as the historical and cultural contexts in which each developed. Students will be introduced to scientific methodology used in psychological inquiry, demonstrate their ability to design, conduct, and report a simple experiment, as well as review ethical practices and responsibilities essential to such inquiry. Ultimately, they will explore the practical applications of psychology and demonstrate the relevance of psychology to daily life, from the individual level to the global level representing an international perspective. This course fulfills the Human Resources Graduation Requirement.

**Prerequisites:** None

**0442 LAW STUDIES**

11-12

5 Credits

**Description:** Students will investigate the field of law and our criminal justice system. Topics include criminal behavior, the Bill of Rights, police work, prosecution, the courts, our correctional system, and civil and criminal law. This course fulfills the Human Resources Graduation requirement.

**Prerequisites:** None

**0449 UNITED STATES HISTORY**

11-12

10 Credits

**Description:** Students will evaluate major events in United States history beginning with the Progressive Era and continuing towards the present to research, analyze and understand past, current and potential issues and events at the local, state and national levels.

**Prerequisites:** None

**0450 ADVANCED PLACEMENT® UNITED STATES HISTORY** 11-12 10 Credits

**Description:** Students will study the history of the United States chronologically from the pre-colonial era moving toward the present. Completion of this college level course will prepare students to take the Advanced Placement® United States History exam.

**Prerequisites:** None

**0451 ADVANCED PLACEMENT® EUROPEAN HISTORY** 10 Credits

**Description:** Students will study European history since 1450 and examine cultural, economic, political, and social developments that played a fundamental role in shaping the world. Completion of this college level course will prepare students to take the Advanced Placement® exam in European History.

**Prerequisites:** World Geography or AP Human Geography

**0453 ADVANCED PLACEMENT® PSYCHOLOGY** 11-12 10 Credits

**Description:** Students will research the discipline of Psychology as the scientific study of the individual and his/her behavior by connecting psychology to the world. Students will evaluate the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will examine the psychological facts, principles, and phenomena associated with the major subfields of psychology. This course fulfills the Human Resources Graduation Requirement. Completion of this course will prepare students to take the Advanced Placement® Psychology exam. After successfully completing one semester of AP Psychology students will have fulfilled the required 5 Human Resource credits for graduation.

**Prerequisites:** None

**0456 ADVANCED PLACEMENT® HUMAN GEOGRAPHY** 10 Credits

**Description:** Students will explore the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science practice. Completion of this course will prepare students to take the Advanced Placement® Human Geography exam. When taking AP Human Geography (0456A/B) students must successfully complete the entire course. If 0456A/B AP Human Geography is dropped or not passed, a student will need to enroll in 0408 World Geography to fulfill the World Geography graduation requirement.

**Prerequisites:** None

**0458 IB EARLY MODERN WORLD HISTORY SL/HL I** 11-12 North only 10 Credits

**Description:** Students will examine the creation of global systems and the establishment of modern political, economic, and social institutions. The course traces the development of global systems like The Silk Road and The Indian Ocean Network, the final days of Islamic Spain, European and Asian Exploration, and the establishment of the New World. Students will explore the developments in thought through the European Enlightenment to critically examine the age of revolutions in the Americas from 1754 through 1812. IB Early Modern World History SL/HL I is taken as either a one year course for students studying history at the standard level, or as the first year of the two year higher level History of the Americas course.

**Prerequisites:** None

**0455 IB HISTORY OF THE AMERICAS HL II** 12 North only 10 Credits

**Description:** The History of the Americas course uses the Americas as its regional option. It is a one-year curriculum where students will study common experiences in the Americas through a comparative analysis of the histories of the United States, Latin America, and Canada. The course will center on the following themes: history, politics, culture, society, economics, technology diplomacy, and international affairs. This course is offered with IB Early Modern World History SL/HL I as part of a two-year curriculum. It will focus on regional case studies of the Americas, and students will be testing at IB higher level. This course fulfills the United States History Graduation requirement.

**Prerequisites:** IB Early Modern World History SL/HL I

**0850 IB THEORY OF KNOWLEDGE I** 11 North only 5 Credits

**Description:** The Theory of Knowledge course is a required component of all International Baccalaureate® Programme diploma candidates and is an elective course for students not working toward an IB diploma. The course may be seen as a matrix in which the distinct forms of knowledge specific to the various subject areas can be critically evaluated, compared and contrasted, and, to an appropriate degree, integrated. The Theory of Knowledge course is intended to encourage students to develop a critical awareness of what they and others know through analyzing concepts, arguments and the basis of value judgments. The course is taught as a two-year sequence beginning in the junior year. TOK I will satisfy the 5 credit Human Resources requirement in 11<sup>th</sup> grade.

**Prerequisites:** None

## SPECIAL EDUCATION

### SPECIAL EDUCATION

All students must be verified with a special education disability to qualify for the following classes. Each course will be differentiated to fit the needs of the students based on the students' Individual Educational Program (IEP). These courses are NOT college preparatory; however, they do fulfill the necessary requirements for graduation. All listed courses may not be offered each semester due to insufficient student enrollment or staff availability.

SPECIAL EDUCATION			
Course #	Course Name	Credits	Grad Requirement
0900 A/B	Fundamental English	10	
0903 A/B	Essentials of English 11	10	
0908 A/B	Fundamental Reading	10	
0920 A/B	Fundamental Mathematics	10	
0927	Foundational Mathematics	5	
0930 A/B	Fundamental Science	10	
0932 A/B	Essentials of Biology	10	
0933	Essentials of Human Anatomy and Physiology I	5	
0934	Essentials of Human Anatomy and Physiology II	5	
0935	Essentials of Environmental Science	5	
0936	Essentials of Physical Science: Chemistry	5	C
0937	Essentials of Physical Science: Physics	5	P
0940 A/B	Fundamental Social Studies	10	
0944	Essentials of United States Government & Economics	5	
0946	Essentials of World Geography	5	
0947	Essentials of Human Diversity	5	HR
0948 A/B	Essentials of World History	10	
0949 A/B	Essentials of United States History	10	
0950	Fundamental Daily Living	5	H
0951	Fundamental Independent Living	5	
0952	Career Readiness Skills and Exploration	5	
0953	College Readiness Skills and Exploration	5	
0957	Transition to Adult Living	5	
0960	Fundamental Personal Finance	5	FL
0970 A/B	Fundamental Technology	10	
0971 A/B	Fundamental Prevocational Skills	10	
0972	Fundamentals of Speech	5	OC
0973	Work Introduction Network I	5	HR
0974	Work Introduction Network II	5	

C = Fulfills Chemistry Graduation Requirement

F = Fulfills Financial Literacy Graduation Requirement

H = Fulfills Health Education Graduation Requirement

HR - Fulfills Human Resources Graduation Requirement

OC = Fulfills Oral Communications Graduation Requirement

P = Fulfills Physics Graduation Requirement

## SPECIAL EDUCATION

### 0900 FUNDAMENTAL ENGLISH 10 Credits

**Description:** This course is designed for students who require an alternate curriculum in written and oral expression. This course's grading system is pass/fail.

**Prerequisites:** Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team

### 0903 ESSENTIALS OF ENGLISH 11 11 10 Credits

#### American Literature and Composition

**Description:** Through this course, students will explore how American literature reflects the identities and cultures of the United States. Students will become adept at analyzing texts from a variety of genres through cultural, racial, and gender perspectives in historical and contemporary literature. By analyzing the author's views and social context, students will delve into deeper understanding of language, literature, and the writing and research process. Students will study a variety of texts including short stories, novels, poetry, drama, fiction, non-fiction, and visual and digital texts. Students will study a variety of methods, including, but not limited to, essays, presentations, and creative critical thinking activities. Students will be assessed using a variety of methods including, but not limited to, essays, presentations, and creative critical thinking activities. Students may utilize additional/supplemental curriculum materials to meet their individual needs.

**Prerequisites:** IEP Team recommendation and approval by Special Education Dept. Head & Building Admin.

### 0908 FUNDAMENTAL READING 10 Credits

**Description:** This course is designed for students who require an alternate curriculum in reading. This course's grading system is pass/fail.

**Prerequisites:** Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team

### 0920 FUNDAMENTAL MATHEMATICS 10 Credits

**Description:** This course is designed for students who require an alternate curriculum in mathematics. This course's grading system is pass/fail.

**Prerequisites:** Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team

### 0927 FOUNDATIONAL MATHEMATICS 5 Credits

**Description:** This course is designed for students who require additional support and modification in mathematics.

**Prerequisites:** IEP Team Recommendation

### 0930 FUNDAMENTAL SCIENCE 10 Credits

**Description:** This course is designed for students who require an alternate curriculum in science. This course's grading system is pass/fail.

**Prerequisites:** Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team

### 0932 ESSENTIALS OF BIOLOGY 9 10 Credits

**Description:** This course offers an opportunity to explore diversity and interdependence in our living world. This course provides a general overview of major biological topics including the cell, genetics, biochemistry, interdependence of organisms, and related Earth science concepts. Through inquiry, students develop a conceptual understanding of biology as they acquire important information and refine their laboratory skills.

**Prerequisites:** IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator

### 0936 ESSENTIALS OF PHYSICAL SCIENCE: CHEMISTRY 10-11 5 Credits

**Description:** In this course students explore traditional concepts of atomic structure, properties of matter, and interactions of matter, as well as related space science concepts, while enhancing critical thinking and lab skills through hands-on experiences utilizing 3-Dimensional teaching and learning strategies. Completion of this 5 credit course fulfills the chemistry graduation requirement.

**Prerequisites:** IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator

- 0937 ESSENTIALS OF PHYSICAL SCIENCE: PHYSICS** 10-11 5 Credits  
**Description:** In this course students use hands-on, technology-based laboratory experiences to explore and verify Newton’s three laws of motion, universal forces, energy transformations, heat, sound, light, nuclear physics, and related Earth science concepts through 3-Dimensional teaching and learning strategies. Completion of this 5 credit course fulfills the physics graduation requirement.  
**Prerequisites:** IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator
- 0933 ESSENTIALS OF HUMAN ANATOMY AND PHYSIOLOGY I** 11-12 5 Credits  
**0934 ESSENTIALS OF HUMAN ANATOMY AND PHYSIOLOGY II** 11-12 5 Credits  
**Description:** These courses are a basic study of the structure and function of human body systems. They are recommended for students interested in learning about the structure and function of the human body, exploring current health topics such as cause and prevention of disease, acquiring health occupational skills through 3-Dimensional teaching and learning strategies.  
**Prerequisites:** IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator
- 0935 ESSENTIALS OF ENVIRONMENTAL SCIENCE** 10-12 5 Credits  
**Description:** This course will help students become aware of how they fit into the delicate balance of their environment through 3-Dimensional teaching and learning strategies. Students will analyze natural and human-made environmental problems, evaluate their risks, and examine potential actions for preventing or solving these problems. Critical thinking, utilization of lab skills, and participation in hands-on experiences will be significant components of this course.  
**Prerequisites:** IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator
- 0940 FUNDAMENTAL SOCIAL STUDIES** 10 Credits  
**Description:** This course is designed for students who require an alternate curriculum in social studies. This course’s grading system is pass/fail.  
**Prerequisites:** Enrollment in this course is limited to students in an alternate curriculum program and recommended by student’s IEP Team
- 0946 ESSENTIALS OF WORLD GEOGRAPHY** 9 5 Credits  
**Description:** Students will function as global citizens to exhibit understanding of the interactions between humans and their physical environment, cultural diversity, global interdependence, and international cooperation and conflict. With this understanding, students will develop skills necessary to analyze historical and contemporary events.  
**Prerequisites:** IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator
- 0944 ESSENTIALS OF UNITED STATES GOVERNMENT AND ECONOMICS** 11-12 5 Credits  
**Description:** This course is designed to help students acquire the knowledge and skills necessary to function as informed, concerned, and active citizens/consumers in our democratic society and complex world. Classroom learning is strengthened by participation and analysis of prior service learning through a culminating project.  
**Prerequisites:** IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator
- 0947 ESSENTIALS OF HUMAN DIVERSITY** 5 Credits  
**Description:** Students will examine contemporary problems faced by social groups, characterized by race, ethnicity, gender, and socioeconomic status, in the United States. Historical contributions and struggles of these groups will be examined and related to present-day life. This course fulfills the Human Resources Graduation Requirement.  
**Prerequisites:** IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator
- 0948 ESSENTIALS OF WORLD HISTORY** 10 10 Credits  
**Description:** Students will examine the interaction of humans and their environment, development and interaction of cultures, and comparison of economic, political, and social structures in order to analyze their historical impact upon one another. This course explores the time period from prehistory to the present.  
**Prerequisites:** IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator
- 0949 ESSENTIALS OF UNITED STATES HISTORY** 11-12 10 Credits  
**Description:** Students will evaluate major events in United States history beginning with the Progressive Era and continuing towards the present to research, analyze and understand past, current, and potential issues and events at the local, state, and national levels.  
**Prerequisites:** IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator

- 0950 FUNDAMENTAL DAILY LIVING** **10-12** 5 Credits  
**Description:** This course is designed for students who require an alternate curriculum in the areas of self-care, health education, wellness, and safety. This course fulfills the Health Education Graduation Requirement.  
**Prerequisites:** Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team
- 0951 FUNDAMENTAL INDEPENDENT LIVING** 5 Credits  
**Description:** This course is designed for students who require an alternate curriculum in the areas of cooking, household safety and cleanliness, finances, and leisure skills.  
**Prerequisites:** Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team
- 0952 CAREER READINESS SKILLS AND EXPLORATION** 5 Credits  
**Description:** This exploratory course provides information to help students become career ready. Students will be exposed to the best practices for job acquisition and maintenance of employment. Knowledge of human relations and practical job skills to succeed and advance on the job are emphasized. Students will strengthen their communication, develop self-determination, and apply academic skills as they apply to the work place.  
**Prerequisites:** IEP Team Recommendation
- 0953 COLLEGE READINESS SKILLS AND EXPLORATION** 5 Credits  
**Description:** This exploratory course provides information to help students become college ready. Post-secondary educational options, such as exploring potential course(s) of study, determining appropriate educational institutions, and discussing financial aid and/or scholarship options will be examined. Students will explore time management strategies, study skills, and the differences between high school and post-secondary educational expectations. Students will strengthen their communication, develop self-determination, and apply academic skills as they apply to post-secondary educational opportunities.  
**Prerequisites:** IEP Team Recommendation
- 0957 TRANSITION TO ADULT LIVING** 5 Credits  
**Description:** Students will investigate concepts to support the transition to adult life. Topics include wellness, meal planning, home maintenance, safety, budgeting, employment, and social/interpersonal skills. Students will practice critical thinking regarding their personal and professional lives. Students will learn to apply problem solving and decision-making skills related to adult living.  
**Prerequisites:** IEP Team Recommendation
- 0960 FUNDAMENTAL PERSONAL FINANCE** 5 Credits  
**Description:** This course is designed for students who require an alternate curriculum for Personal Finance. This course's grading system is pass/fail. This course fulfills the Financial Literacy Graduation Requirement.  
**Prerequisites:** Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team
- 0970 FUNDAMENTAL TECHNOLOGY** 10 Credits  
**Description:** This course is designed for students who require an alternate curriculum to access technology. This course's grading system is pass/fail.  
**Prerequisites:** Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team
- 0971 FUNDAMENTAL PREVOCATIONAL SKILLS** 10 Credits  
**Description:** This course is designed for students who require an alternate curriculum to learn prevocational work habits and skills in a supported environment. This course's grading system is pass/fail.  
**Prerequisites:** Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team
- 0972 FUNDAMENTALS OF SPEECH** 5 Credits  
**Description:** This course is designed for students who require an alternate curriculum in intrapersonal and interpersonal communication. This course's grading system is pass/fail and fulfills the Oral Communications Graduation Requirement.  
**Prerequisites:** Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team



**0973 WORK INTRODUCTION NETWORK I**

5 Credits

**Description:** This course provides students with an opportunity to explore occupations in non-paid work experiences at pre-approved school or community sites. These functional experiences will provide students with hands-on training and exploration of actual job duties in various career interest areas in preparation for competitive employment. This course's grading system is pass/fail.

**Prerequisites:** Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team

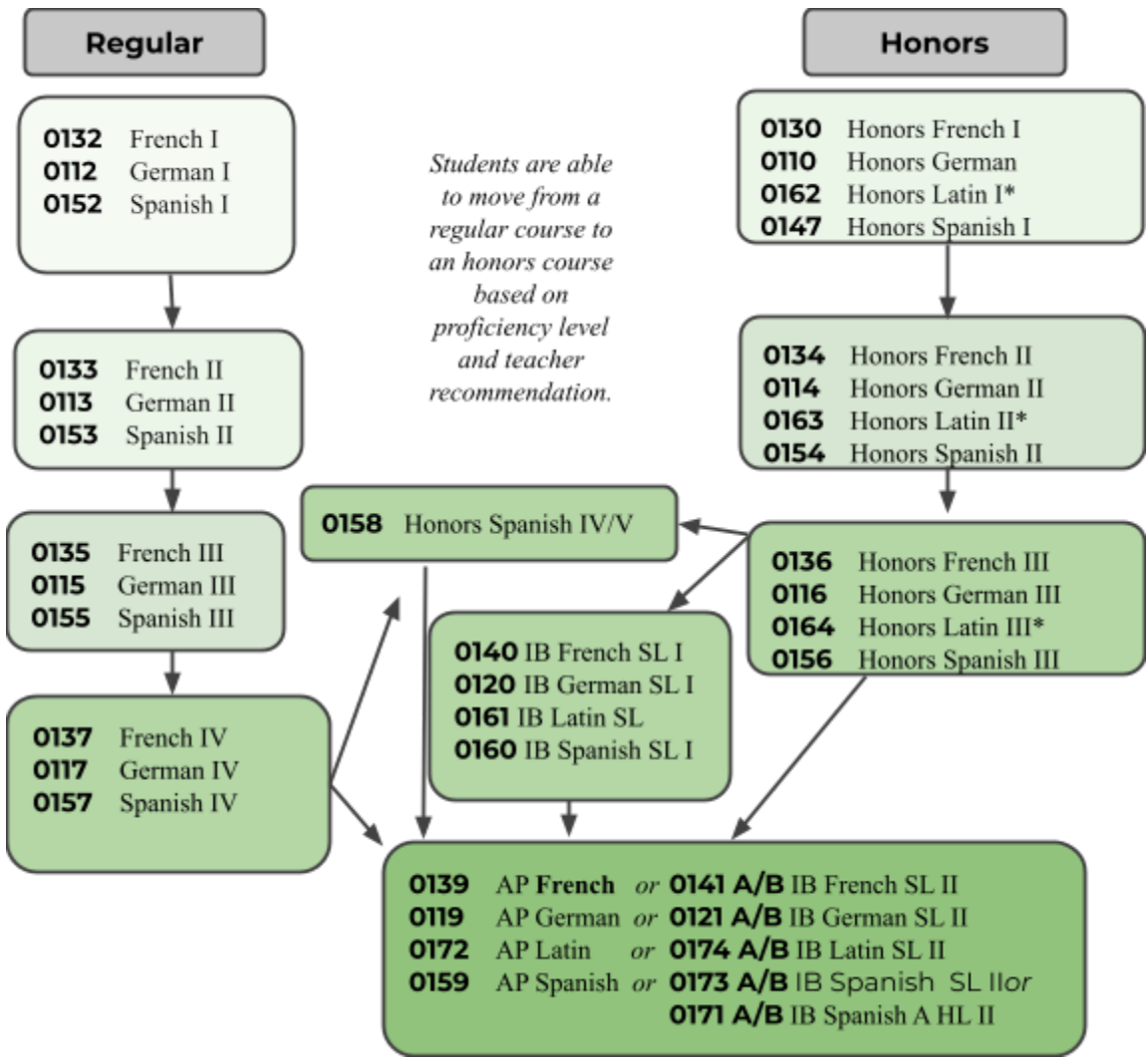
**0974 WORK INTRODUCTION NETWORK II**

5 Credits

**Description:** This course provides students with an opportunity to explore occupations in non-paid work experiences at pre-approved school or community sites. These functional experiences will provide students with hands-on training and exploration of actual job duties in various career interest areas in preparation for competitive employment. This course's grading system is pass/fail.

**Prerequisites:** Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team

# WORLD LANGUAGE



**Middle School Students**

Taking Spanish A, B, C in middle school are able to take Spanish I, Honors Spanish I, Spanish II, or Honors Spanish II in 9th Grade.

**Middle School Students**

Taking Spanish II-B in middle school are able to take Spanish III or Honors Spanish III in 9th Grade.

**Students enrolled in ECHS (MSHS) or IB (MNHS)**

Please consult with your academic advisor on the best world language course of study.

**Additional Information Regarding World Language**

Students may take more than one world language course and are advised to take consecutive years of the same language. The University of Nebraska system admissions requires two years of the same language while some colleges/programs may require more.. Students are highly encouraged to extend their language study throughout high school in order to achieve higher proficiency levels.

\* All IB courses and Latin courses are offered at Millard North High School only.

## WORLD LANGUAGE

Course #	Course Name	Credits	Grad Requirement
0132 A/B	French I	10	
0130 A/B	Honors French I	10	
0133 A/B	French II	10	
0134 A/B	Honors French II	10	
0135 A/B	French III	10	
0136 A/B	Honors French III	10	
0137 A/B	French IV	10	
0139 A/B	AP French Language and Culture	10	
0140 A/B	IB French SL I	10	
0141 A/B	IB French SL II	10	
0112 A/B	German I	10	
0110 A/B	Honors German I	10	
0113 A/B	German II	10	
0114 A/B	Honors German II	10	
0115 A/B	German III	10	
0116 A/B	Honors German III	10	
0117 A/B	German IV	10	
0119 A/B	AP German Language and Culture	10	
0120 A/B	IB German SL I	10	
0121 A/B	IB German SL II	10	
0162 A/B	Honors Latin I	10	
0163 A/B	Honors Latin II	10	
0164 A/B	Honors Latin III	10	
0172 A/B	AP Latin	10	
0161 A/B	IB Latin SL I	10	
0174 A/B	IB Latin SL II	10	
0152 A/B	Spanish I	10	
0147 A/B	Honors Spanish I	10	
0153 A/B	Spanish II	10	
0154 A/B	Honors Spanish II	10	
0155 A/B	Spanish III	10	
0156 A/B	Honors Spanish III	10	
0157 A/B	Spanish IV	10	
0158 A/B	Honors Spanish IV/Spanish V	10	
0159 A/B	AP Spanish Language and Culture	10	
0160 A/B	IB Spanish SL I	10	
0173 A/B	IB Spanish SL II	10	
0171 A/B	IB Spanish A HL II	10	

## WORLD LANGUAGE

### 0132 FRENCH I

10 Credits

**Description:** Students will acquire the vocabulary and structures needed for listening, speaking, reading, and writing at an introductory level. Students will learn about and experience cultural practices relating to the French culture. There are five strands or “essential components” present in every world language classroom: Communication, Culture, Connections, Communities, and Cognition. There are three modes of communication that contribute to a culture of language proficiency: Interpretive, Interpersonal, and Presentational.

**Prerequisites:** None

### 0130 HONORS FRENCH I

10 Credits

**Description:** Students will acquire the vocabulary and structures needed for listening, speaking, reading, and writing. Students will learn about and experience cultural practices relating to the French culture. There are five strands or “essential components” present in every world language classroom: Communication, Culture, Connections, Communities, and Cognition. There are three modes of communication that contribute to a culture of language proficiency: Interpretive, Interpersonal, and Presentational. Students will learn about and experience cultural practices relating to the French culture. Honors Level I is recommended for all students who plan to pursue Advanced Placement® or International Baccalaureate®.

**Prerequisites:** None

### 0133 FRENCH II

10 Credits

**Description:** Students will continue learning vocabulary and developing skills to express themselves. Students will explore culture through a variety of topics. Using listening, speaking, reading, and writing skills, students will communicate in the present and past tenses in French.

**Prerequisites:** French I or Honors French I

### 0134 HONORS FRENCH II

10 Credits

**Description:** Students will learn an expanded vocabulary and develop skills at an accelerated pace. Students will explore culture through a variety of topics. Using listening, speaking, reading, and writing skills, students will communicate in the present and past tenses in French. Authentic text will be introduced and students will demonstrate more independence in communication. Honors Level II is recommended for all students who plan to pursue Advanced Placement® or International Baccalaureate®.

**Prerequisites:** French I or Honors French I

### 0135 FRENCH III

10 Credits

**Description:** Students will further develop the reading, writing, listening, and speaking skills needed to function in the language and in practical situations in the French culture. Students will expand their vocabulary and complex mechanics to develop skills utilizing authentic sources. Students will communicate in the present, past, and future tenses. Students will also explore culture through a variety of topics.

**Prerequisites:** French II or Honors French II

### 0136 HONORS FRENCH III

10 Credits

**Description:** Students will further develop the reading, writing, listening, and speaking skills needed to function in the language and in practical situations in the French culture. Students will learn an expanded vocabulary and develop skills at an accelerated pace utilizing authentic sources. Students will use complex mechanics of the language and explore culture through a variety of topics. The majority of the course will be conducted in French. Honors Level III is recommended for all students who plan to pursue Advanced Placement® or International Baccalaureate® courses.

**Prerequisites:** French II or Honors French II

### 0137 FRENCH IV

10 Credits

**Description:** Students will further develop the reading, writing, listening, and speaking skills needed to function in the language and in practical situations in the French culture. Students will communicate with greater spontaneity and in greater detail utilizing authentic sources. Students will also explore culture through a variety of topics. The majority of the course will be conducted in French.

**Prerequisites:** French III or Honors French III

**0139 ADVANCED PLACEMENT® FRENCH LANGUAGE AND CULTURE** 10 Credits

**Description:** Students will improve in all skill areas. Emphasis will be placed on using authentic materials to increase reading and listening skills. Higher level communication skills will be attained through a variety of oral and written activities and assignments. This course will be conducted in French, and students are expected to speak French at all times. Completion of this course will prepare all students to take the Advanced Placement® French Language and Culture exam.

**Prerequisites:** French III, Honors French III, or French IV

**0140 IB FRENCH SL I** 11 North only 10 credits

**Description:** IB French SL I is the first year of a two-year IB SL course. Students will further develop the reading, writing, listening, and speaking skills needed to function in the language and in practical situations in the French culture. Students will communicate with greater spontaneity and in greater detail utilizing authentic sources. Students will also explore the IB curriculum by examining culture through a variety of topics. The majority of the course will be conducted in French.

**Prerequisites:** Honors French III

**0141 IB FRENCH SL II** 12 North only 10 credits

**Description:** IB French SL II is the second year of a two-year IB SL course. A student may take this course as a fifth year language course and/or choose to take the Advanced Placement® exam. The premise of this curriculum is that the student should have a fundamental knowledge of the history, geography, literature, and art/music of the country in order to better understand the modern culture that has evolved and its role in the world. Current events and world affairs will be the core. The continuing study of French civilization and the reading of literary works from more modern periods are the basis of the course. Students work with advanced grammatical materials and use higher level thinking skills in activities that go beyond the functioning level to a more refined level of reading, writing, speaking and listening. The goal of active communication in French is given high priority. Cultural concepts are explored as they relate to literature, civilization, and international studies. Through use of video, magazines and newspapers, the students will deal with current issues in Francophone countries and other countries around the world. The IB curriculum will be emphasized, but students may also sign up to take the Advanced Placement® exam. The necessary Advanced Placement® review materials will be available.

**Prerequisites:** IB French SL I

**0112 GERMAN I** 10 Credits

**Description:** Students will acquire the vocabulary and structures needed for listening, speaking, reading, and writing at an introductory level. Students will learn about and experience cultural practices relating to the German culture. There are five strands or “essential components” present in every world language classroom: Communication, Culture, Connections, Communities, and Cognition. There are three modes of communication that contribute to a culture of language proficiency: Interpretive, Interpersonal, and Presentational.

**Prerequisites:** None

**0110 HONORS GERMAN I** 10 Credits

**Description:** Students will acquire the vocabulary and structures needed for listening, speaking, reading, and writing. Students will learn about and experience cultural practices relating to the German culture. There are five strands or “essential components” present in every world language classroom: Communication, Culture, Connections, Communities, and Cognition. There are three modes of communication that contribute to a culture of language proficiency: Interpretive, Interpersonal, and Presentational. Honors Level I is recommended for all students who plan to pursue Advanced Placement® or International Baccalaureate®.

**Prerequisites:** None

**0113 GERMAN II** 10 Credits

**Description:** Students will continue learning vocabulary and developing skills to express themselves. Students will explore culture through a variety of topics. Using listening, speaking, reading, and writing skills, students will communicate in the present and past tenses in German.

**Prerequisites:** German I or Honors German I

**0114 HONORS GERMAN II** 10 Credits

**Description:** Students will learn an expanded vocabulary and develop skills at an accelerated pace. Students will explore culture through a variety of topics. Using listening, speaking, reading and writing skills, students will communicate in the present and past tenses in German. Authentic text will be introduced and students will demonstrate more independence in communication. Honors Level II is recommended for all students who plan to pursue Advanced Placement® or International Baccalaureate®.

**Prerequisites:** German I or Honors German I

**0115 GERMAN III** 10 Credits

**Description:** Students will further develop the reading, writing, listening and speaking skills needed to function in the language and in practical situations in the German culture. Students will learn an expanded vocabulary and complex mechanics to develop skills utilizing authentic sources. Students will communicate in the present, past, and future tenses. Students will also explore culture through a variety of topics.

**Prerequisites:** German II or Honors German II

**0116 HONORS GERMAN III** 10 Credits

**Description:** Students will further develop the reading, writing, listening and speaking skills needed to function in the language and in practical situations in the German culture. Students will learn an expanded vocabulary and develop skills at an accelerated pace utilizing authentic sources. Students will use complex mechanics of the language and explore culture through a variety of topics. The majority of the course will be conducted in German. Honors Level III is recommended for all students who plan to pursue Advanced Placement® or International Baccalaureate® courses.

**Prerequisites:** German II or Honors German II

**0117 GERMAN IV** 10 Credits

**Description:** Students will further develop the reading, writing, listening and speaking skills needed to function in the language and in practical situations in the German culture. Students will communicate with greater spontaneity and in greater detail utilizing authentic sources. Students will also explore culture through a variety of topics. The majority of the course will be conducted in German.

**Prerequisites:** German III or Honors German III

**0119 ADVANCED PLACEMENT® GERMAN LANGUAGE AND CULTURE** 10 Credits

**Description:** Students will improve in all skill areas. Emphasis will be placed on using authentic materials to increase reading and listening skills. Higher level communication skills will be attained through a variety of oral and written activities and assignments. This course will be conducted in German, and students are expected to speak German at all times. Completion of this course will prepare students to take the Advanced Placement® German Language and Culture exam.

**Prerequisites:** German III, Honors German III, or German IV

**0120 IB GERMAN SL I** 11 North only 10 credits

**Description:** IB German SL I is the first year of a two-year IB SL course. Students will further develop the reading, writing, listening and speaking skills needed to function in the language and in practical situations in the German culture. Students will learn an expanded vocabulary and develop skills at an accelerated pace utilizing authentic sources. Students will use complex mechanics of the language and explore culture through a variety of topics. The majority of the course will be conducted in German. The goal of active communication in German is given high priority. Cultural concepts are explored as they relate to literature, civilization, and international studies. The IB curriculum will be emphasized through use of video, magazines and newspapers, and the students will deal with global concepts in German-speaking countries and other countries around the world.

**Prerequisites:** Honors German II

**0121 IB GERMAN SL II** 12 North only 10 Credits

**Description:** IB German SL II is the second year of a two-year IB SL course. A student may take this course as a fifth year language course and/or choose to take the AP exam. The student will improve in all skill areas (reading, writing, speaking, and understanding). Grammar is reviewed as needed to aid in effective communication. Emphasis will be placed on using authentic material such as video, magazines, and newspapers to study current events and culture in order to provide a thorough understanding of the language so that optimum communication can be achieved. Higher-level communication skills will be attained and assessed through a variety of oral and written activities and assignments. The

IB curriculum will be emphasized, but students may also sign up to take the Advanced Placement® exam. The necessary AP review materials will be available.

**Prerequisites:** IB German SL I

**0162 HONORS LATIN I**

**North only**

10 Credits

**Description:** Students will experience an introduction to Latin with emphasis on acquiring a vocabulary foundation, strengthening basic grammatical skills, and learning Classical Latin reading skills. Students will begin a literature study focusing on Roman and/or Greek epic poetry in translation. Roman history and culture, as well as Greco-Roman mythology, will provide an understanding of the historical and contemporary influences of the Ancient Roman world.

**Prerequisites:** None

**0163 HONORS LATIN II**

**North only**

10 Credits

**Description:** Students will learn new grammar concepts to advance comprehension of Latin manuscripts and further their communication skills using Latin. Students will continue their literary studies emphasizing primary historical sources in translation. Roman historical and cultural studies will focus primarily upon the legacy of Julius Caesar and the Roman Republic.

**Prerequisites:** Honors Latin I

**0164 HONORS LATIN III**

**North only**

10 Credits

**Description:** Students will explore the development of both prose and poetry, emphasizing a survey of Roman authors, including Cicero, Caesar, Vergil, and Catullus, with authentic reading selections chosen for diversity, entertainment and appropriateness. Students will become entrenched historically and culturally in the worlds reflected through these authors. Latin composition provides students the opportunity to practice advanced grammatical structures. The enrichment materials focus on the progression of classical philosophy and the development of Roman influence through the Classical world, past and present.

**Prerequisites:** Honors Latin II

**0172 ADVANCED PLACEMENT® LATIN**

**North only**

10 Credits

**Description:** Students will explore the development of both prose and poetry, emphasizing a survey of Roman authors, including Cicero, Caesar, Vergil, and Catullus, with authentic reading selections chosen for diversity, entertainment and appropriateness. Students will become entrenched historically and culturally in the worlds reflected through these authors. Latin composition provides students the opportunity to practice advanced grammatical structures. The enrichment materials focus on the progression of classical philosophy and the development of Roman influence through the Classical world, past and present. Completion of this course will prepare all students to take the Advanced Placement® Latin exam.

**Prerequisites:** Honors Latin III

**0161 IB Latin SL I**

**11**

**North only**

10 credits

**Description:** IB Latin SL I is the first year of a two-year IB SL course. Students will explore the development of both prose and poetry, emphasizing a survey of Roman authors, including Cicero, Caesar, Vergil, and Catullus, with authentic reading selections chosen for diversity, entertainment and appropriateness. Students will become entrenched historically and culturally in the worlds reflected through these authors. Latin composition provides students the opportunity to practice advanced grammatical structures and to explore the IB curriculum. The enrichment materials focus on the progression of classical philosophy and the development of Roman influence through the Classical world, past and present.

**Prerequisites:** Honors Latin II

**0174 IB LATIN SL II**

**12**

**North only**

10 Credits

**Description:** IB Latin SL II is the second year of a two-year IB SL course. Through the poetry of Ovid, Horace, Vergil, and Catullus, the scholar will demonstrate excellent knowledge and understanding of the influences and perspectives the modern world has of the ancient world. By intensely studying the grammar of Latin, the scholar will be more adept at analyzing the ancient authors' subtle and overt intentions. Students will study the authors' techniques, styles, and both the literary and non-literary connections to the Roman civilization. Scholars will use the Latin texts, as well as English translations, to support the development of analysis regarding the impact these authors and the Roman world had upon the past and the present cultures. The scholar will enjoy using these timeless pieces of literature as a basis of exploration into our own modern humanity. The Standard Level assessment includes translating unprepared scripts and masterfully analyzing in-depth extracts from within subordinate topics.

**Prerequisites:** IB Latin SL I

**0152 SPANISH I**

10 Credits

**Description:** Students will acquire the vocabulary and structures needed for listening, speaking, reading, and writing at an introductory level. Students will learn about and experience cultural practices relating to the Spanish culture. There are five strands or “essential components” present in every world language classroom: Communication, Culture, Connections, Communities, and Cognition. There are three modes of communication that contribute to a culture of language proficiency: Interpretive, Interpersonal, and Presentational.

**Prerequisites:** None

**0147 HONORS SPANISH I**

10 Credits

**Description:** Students will acquire the vocabulary and structures needed for listening, speaking, reading, and writing. Students will learn about and experience cultural practices relating to the Spanish culture. There are five strands or “essential components” present in every world language classroom: Communication, Culture, Connections, Communities, and Cognition. There are three modes of communication that contribute to a culture of language proficiency: Interpretive, Interpersonal, and Presentational. Honors Level I is recommended for all students who plan to pursue Advanced Placement® or International Baccalaureate®.

**Prerequisites:** None

**0153 SPANISH II**

10 Credits

**Description:** Students will continue learning vocabulary and developing skills to express themselves. Students will explore culture through a variety of topics. Using listening, speaking, reading, and writing skills, students will communicate in the present and past tenses in Spanish.

**Prerequisites:** Any of the following: Spanish A-B-C sequence, Spanish I, Honors Spanish I, or KMS/NMS full sequence I-A, II-A, and II-B

**0154 HONORS SPANISH II**

10 Credits

**Description:** Students will learn an expanded vocabulary and develop skills at an accelerated pace. Students will explore culture through a variety of topics. Using listening, speaking, reading, and writing skills, students will communicate in the present and past tenses in Spanish. Authentic text will be introduced and students will demonstrate more independence in communication. Honors Level II is recommended for all students who plan to pursue Advanced Placement® or International Baccalaureate®.

**Prerequisites:** Any of the following: Spanish A-B-C sequence, Spanish I, Honors Spanish I, or KMS/NMS full sequence I-A, II-A, and II-B

**0155 SPANISH III**

10 Credits

**Description:** Students will further develop the reading, writing, listening, and speaking skills needed to function in the language and in practical situations in the Spanish culture. Students will learn an expanded vocabulary and complex mechanics to develop skills utilizing authentic sources. Students will communicate in the present, past, and future tenses. Students will also explore culture through a variety of topics.

**Prerequisites:** Any of the following: Spanish II, Honors Spanish II, or KMS/NMS full sequence I-A, II-A, and II-B

**0156 HONORS SPANISH III**

10 Credits

**Description:** Students will further develop the reading, writing, listening, and speaking skills needed to function in the language and in practical situations in the Spanish culture. Students will learn an expanded vocabulary and develop skills at an accelerated pace utilizing authentic sources. Students will use complex mechanics of the language and explore culture through a variety of topics. The majority of the course will be conducted in Spanish. Honors Level III is recommended for all students who plan to pursue Advanced Placement® or International Baccalaureate® courses.

**Prerequisites:** Any of the following: Spanish II, Honors Spanish II, or KMS/NMS full sequence I-A, II-A, and II-B

**0157 SPANISH IV**

10 Credits

**Description:** Students will further develop the reading, writing, listening, and speaking skills needed to function in the language and in practical situations in the Spanish culture. Students will communicate with greater spontaneity and in greater detail utilizing authentic sources. Students will also explore culture through a variety of topics. The majority of the course will be conducted in Spanish.

**Prerequisites:** Spanish III or Honors Spanish III



**0158 HONORS SPANISH IV/ SPANISH V**

10 Credits

**Description:** Students will go beyond the functional level practiced in previous courses and will develop more abstract communication skills utilizing authentic sources. Students will communicate with greater spontaneity and in greater detail. Students will also explore culture through a variety of topics. The course will be conducted in Spanish. Honors Level IV is recommended for all students who plan to pursue Advanced Placement® or International Baccalaureate® courses.

**Prerequisites:** Spanish III, Honors Spanish III, or Spanish IV

**0159 ADVANCED PLACEMENT® SPANISH LANGUAGE AND CULTURE**

10 Credits

**Description:** Students will gain advanced knowledge of the Spanish language through the use of authentic print and audio materials. Listening, reading, writing, and speaking skills are emphasized. Cultural knowledge will be taught throughout the course and grammatical concepts reviewed. The course will be conducted in Spanish, and students are expected to speak Spanish at all times. Completion of this course will prepare students to take the Advanced Placement® Spanish Language and Culture exam.

**Prerequisites:** Spanish III, Honors Spanish III, Spanish IV, or Honors Spanish IV/Spanish V

**0160 IB SPANISH SL I**

11

North only

10 credits

**Description:** IB Spanish SL I is the first year of a two-year IB SL course. Students will go beyond the functional level practiced in previous courses and will develop more abstract communication skills utilizing authentic sources. Students will communicate with greater spontaneity and in greater detail. Students will also explore culture through a variety of topics. The IB curriculum will be emphasized through use of video, magazines and newspapers. The course will be conducted in Spanish, and students are expected to speak in Spanish.

**Prerequisites:** Honors Spanish III or Honors Spanish IV/Spanish V

**0173 IB SPANISH SL II**

12

North only

10 Credits

**Description:** IB Spanish SL II is the second year of a two-year IB SL course. The objective of the course is to advance students' reading comprehension, oral and listening skills, and writing proficiency through the study of literature and current events. Themes such as family, health, urban problems, and civil rights are analyzed from many cultural perspectives. Special attention is devoted to current events and issues concerning the Hispanic world. Students should have strong grammatical skills at the onset because the class emphasizes building vocabulary and increasing fluency. Few new structures are introduced, and brief grammar review is done as necessary. Spanish is used almost exclusively in class. Students are expected to exercise analytical skills, critical thinking, and creativity. Students are encouraged to seek, and are provided, opportunities to participate in Spanish-speaking communities directly and by electronic means. Authentic sources from multiple countries, class standpoints, and genres are incorporated. A student may take this course as a fifth year language course and/or choose to take the Advanced Placement® exam.

**Prerequisites:** IB Spanish SL I

**0171 IB Spanish A HL II**

12

North only

10 Credits

**Description:** This course is for the native Spanish speaker. The objective of the course is to advance students' reading comprehension, oral and listening skills, and writing proficiency through the study of literature and current events. Themes such as family, health, urban problems, and civil rights are analyzed in Spanish and from many cultural perspectives. Special attention is devoted to current events and issues concerning the Hispanic world. Students should have strong grammatical skills at the onset because the class emphasizes building vocabulary and increasing fluency. Few new structures are introduced, and brief grammar review is done as necessary. Spanish is used almost exclusively in class. Students are expected to exercise analytical skills, critical thinking, and creativity. An independent study of Hispanic literature is required. Students are encouraged to seek, and are provided, opportunities to participate in Spanish-speaking communities directly and by electronic means. Authentic sources from multiple countries, class standpoints, and genres are incorporated. A student may take this course as a fifth year language course and/or choose to take the Advanced Placement® Spanish Language exam.

**Prerequisites:** Honors Spanish IV/ Spanish V



# Specialized Programs



## ACADEMIES

### ACADEMIES IN MILLARD HIGH SCHOOLS

*Academies will be offered based on student participation and availability of staff*

#### ACADEMIES

##### **Business and Entrepreneurship Academy**

Location: Millard South High School

Application open to all Millard Students

Course #	Course Name	Credits	Grad Requirement
0007 A/B	English 11	10	E
AEN01 A/B	College Accounting I	10	
AEN05	Financial Literacy	5	FL
AEN10	Introduction to Business	5	
AEN20	Introduction to Entrepreneurship	5	
AEN60	Business Law	5	
AEN30	Entrepreneurship Feasibility Study	5	
AEN15	College Accounting II	5	
AEN45 A/B	Entrepreneurship Work-Based Learning Experience	10	
0540	AP Macroeconomics	5	
0541	AP Microeconomics	5	
AEN55	Principles of Management	5	
AEN65	Principles of Marketing	5	

##### **Business and Logistics Management Academy**

Location: Millard North High School

Application open to all Millard Students

Course #	Course Name	Credits	Grad Requirement
0007 A/B	English 11	10	E
ATD10	Introduction to Business	5	
ATD01	Intro. Transportation Distribution & Logistics	5	
ATD05	Industrial Safety and Health	5	
ATD15	Introduction to Distribution	5	
ATD20	Principles of Marketing	5	
ATD25	Principles of Management	5	
ATD30	Mechanical Print Reading	5	
ATD35	Business Logistics	5	
ATD40	Purchasing and Material Management	5	
ATD45	Problem Solving	5	
ATD50	Production & Operations Management	5	
ATD55 A/B	Business and Logistics Management Work-Based Learning	10	
ATD60	College Composition and Research	5	

E = English Elective

FL = Fulfills Financial Literacy Graduation Requirement

## ACADEMIES

### Education Academy

Location: Millard North & Millard West High Schools

Application open to all Millard Students

Course #	Course Name	Credits	Grad Requirement
0007 A/B	English 11	10	E
0527	Child Development	5	HR
AED02	Preschool Child Development	5	
AED35	Professional Speaking	5	OC
AED10	Introduction to Professional Education	5	
AED15	Education Seminar I	5	
0422	World Religions	5	HR †
0414	US Government and Economics	5	
0453 A/B	AP Psychology	10	HR
AED30	Best Practices in Education	5	
AED05	College Composition and Research	5	EE
AED40	Education Seminar II	5	
AED45	Education Seminar III	5	
AED50	Education Practicum	5	
AED55	Introduction to Special Education	5	
AED60	Introduction to Teaching ESL	5	

### Health Sciences Academy

Location: Keith Lutz Horizon High School

Application open to all Millard Students

Course #	Course Name	Credits	Grad Requirement
AHS01 A/B	Human Anatomy and Physiology	10	SE
AHS05	Medical Terminology I	5	
AHS10	Medical Terminology II	5	
AHS15	Health Sciences Orientation Seminar	5	
AHS20	Introduction to Medical Law and Ethics	5	
AHS25	Nutrition in the Life Cycle	5	
AHS30	Disease Processes	5	SE
0453 A/B	AP Psychology	10	HR
AHS35 A/B	Long Term Care/Certified Nursing Assistant	10	
AHS50 A/B	Health Sciences Work-Based Learning Experience	10	
AHS60	Fundamentals of Pharmacology	5	
V0035	College Writing	5	
0377	AP Biology	5	EE

E = Fulfills English Graduation Requirement

EE = English Elective

HR = Fulfills Human Resources Graduation Requirement

OC = Fulfills Oral Communication Graduation Requirement

SE = Science Elective

† = See Course Description for Additional Requirements

**STEM Academy**  
 Location: Millard West High School  
 Application open to all Millard Students

<b>Course #</b>	<b>Course Name</b>	<b>Credits</b>	<b>Grad Requirement</b>
AST01	Engineering Design and Systems Thinking	5	
AST02	STEM Information Technology	5	T
AST03	Engineering Problem Solving	5	
AST04	STEM Computer Science	5	
0383 A/B	AP Physics 1: Algebra-Based	10	P
YBC03	Human Relations	5	
AST05	Industrial Design II	5	
AST06 A/B	STEM Capstone	10	
AST10	Industrial Design I	5	F
MA56 A/B	AP Statistics	10	Ma
AST08	Public Speaking	5	OC
AST09 A/B	STEM Work-Based Learning Experience	10	

F = Fulfills Fine and Performing Arts Graduation Requirement  
 OC = Fulfills Oral Communication Graduation Requirement  
 Ma = Fulfills Mathematics Graduation Requirement  
 P = Fulfills the Physics Graduation Requirement  
 T - Fulfills Technology Education Graduation Requirement



MILLARD CAREER ACADEMIES

# ENTREPRENEURSHIP

Students will explore how to own their own business and be their own boss. They will learn how to be a profitable, innovative risk taker through classes such as College Accounting, Business Law, Principles of Marketing, and AP Macroeconomics. Students will complete an internship with successful businesses and build a professional network.

Business and Entrepreneurship Academy Course Sequence Sample			
Year One		Year Two	
Semester One	Semester Two	Semester One	Semester Two
College Accounting I		College Accounting II	Entrepreneurship Feasibility Study
Introduction to Business	Financial Literacy	Principles of Marketing	Business Law
Introduction to Entrepreneurship	Principles of Management	Advanced Placement <sup>®</sup> Microeconomics	Advanced Placement <sup>®</sup> Macroeconomics
English 11		Entrepreneurship Work-Based Learning Experience	

**AEN01 COLLEGE ACCOUNTING I** **11** 10 Credits

**Description:** Students will study fundamental principles of accounting, including the basic accounting cycle, linkage between the journal entry and ledger account, adjusting process, internal control, merchandising, inventories, and financial reporting. Real-world illustrations are incorporated reflecting current relevant business practices.

**Prerequisites:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for ACCT 1100 and 1110 (9 credits) from Metropolitan Community College. Completion of ACCT 1100, 1110 and 1120 at Metropolitan Community College will transfer to University of Nebraska at Omaha as ACCT 2010 and 2020 (6 credits).

**AEN15 COLLEGE ACCOUNTING II** **12** 5 credits

**Description:** This course expands a student’s ability to analyze and interpret financial data. Students will broaden their understanding of assets, liabilities, and stockholders’ equity accounts. Accounting II is strongly recommended for students planning college study in business fields.

**Prerequisites:** College Accounting I

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for ACCT 1120 (4 credits) from Metropolitan Community College. Completion of ACCT 1100, 1110 and 1120 at Metropolitan Community College will transfer to University of Nebraska at Omaha as ACCT 2010 and 2020 (6 credits).

**0540 ADVANCED PLACEMENT<sup>®</sup> MACROECONOMICS** **12** 5 Credits

**Description:** Students will study a variety of economic theories and analyze their practical application in the real world with a focus on the decision-making of individuals, businesses, and the government. Students will evaluate the economy as a whole, including economic measures, economic growth, fiscal policy, monetary policy, and international economics. Extensive mathematics skills are not required; however, the ability to analyze graphs and charts is essential. Completion of this course will prepare students to take the Advanced Placement<sup>®</sup> Macroeconomics exam.

**Prerequisites:** Statement from College Board - “Students should be able to read a college-level textbook and possess basic mathematics and graphing skills.”

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for ECON 1000 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ECON 2220 (3 credits).



- 0541 ADVANCED PLACEMENT® MICROECONOMICS** 12 5 Credits  
**Description:** Students will study a variety of economic theories and analyze their practical application in the real world with a focus on supply and demand for products, labor markets, and the role of competition in a free market system. Extensive mathematics skills are not required; however, the ability to analyze graphs and charts is essential. Completion of this course will prepare students to take the Advanced Placement® Microeconomics exam.  
**Prerequisites:** Statement from College Board - “Students should be able to read a college-level textbook and possess basic mathematics and graphing skills.”  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for ECON 1100 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ECON 2200 (3 credits).
- 0007 ENGLISH 11** 11 10 Credits  
**American Literature and Composition**  
**Description:** Through this course, students will explore how American literature reflects the identities and cultures of the United States. Students will become adept at analyzing challenging texts from a variety of genres through cultural, racial, and gender perspectives in historical and contemporary literature. By analyzing the authors’ views and social context, students will delve into deeper understanding of language, literature, and the writing and research process. Students will study a variety of texts including short stories, novels, poetry, drama, fiction, non-fiction, and visual and digital texts. Students will be assessed using a variety of methods including, but not limited to, essays, presentations, and creative critical thinking activities.  
**Prerequisites:** English 10 or English 10 Literacy Enrichment  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for ENGL 1010 and ENGL 2450 (9 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ENGL 1150 and ENGL 1010 (6 credits).
- AEN30 ENTREPRENEURSHIP FEASIBILITY STUDY** 12 5 Credits  
**Description:** Students will assess the current economic, social and political climate for the small business. Students will explain how demographic, technological, and social changes create business opportunities. Students will assess business ideals based on the student’s strengths and skills, personal, professional, and financial goals. Students will test and analyze their concept through basic market research.  
**Prerequisites:** Introduction to Entrepreneurship  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for ENTR 2040 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as College of Business Administration elective (3 credits).
- AEN45 ENTREPRENEURSHIP WORK-BASED LEARNING EXPERIENCE** 12 10 Credits  
**Description:** The student participates in a workplace readiness seminar first semester and will apply entrepreneurship principles in a business setting through a Work-Based Learning Experience second semester.  
**Prerequisites:** Completion of Year I Entrepreneurship Academy courses
- AEN10 INTRODUCTION TO BUSINESS** 11 5 Credits  
**Description:** This course is for students who are interested in learning the fundamentals of business and entrepreneurship. Students will learn the basics of many of the core areas that are critical in the business world. The course will cover key areas including economics, entrepreneurship, marketing, ethics, and finance through a variety of learning experiences such as a stock market simulation, lectures, quizzes, and writing a business plan.  
**Prerequisites:** None  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for BSAD 1000 (3 credits) from Metropolitan Community College.
- AEN20 INTRODUCTION TO ENTREPRENEURSHIP** 11 5 Credits  
**Description:** The student will evaluate the business skills and commitment necessary to successfully operate an entrepreneurial venture and review the challenges and rewards of entrepreneurship. The student will understand the role of entrepreneurial businesses in the United States and the impact on our national and global economy.  
**Prerequisites:** None  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for ENTR 1050 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as an elective (3 credits).

**AEN05 FINANCIAL LITERACY** **11** 5 Credits

**Description:** This course will provide an understanding and practical application of the theories and concepts of how to analyze and direct one's financial affairs and those of his/her family. This course fulfills the Millard Public Schools Financial Literacy Graduation Requirement.

**Prerequisites:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for FINA 1100 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as FNBK 2280 (3 credits).

**AEN55 PRINCIPLES OF MANAGEMENT** **12** 5 Credits

**Description:** This is an introduction to the theory and practice of organizational management. Various management theories are discussed. Special attention is devoted to planning, decision making, organizing, leading, and controlling the organization.

**Prerequisites:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for MGMT 2100 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as MGMT 3490 (3 credits).

**AEN60 BUSINESS LAW** **12** 5 Credits

**Description:** Students learn ordinary legal aspects of business transactions involving such topics as legal rights and duties, law of contracts, employment law, basic business organizations, and law of property. Students gain a general understanding of and develop basic legal logic in business situations through the use of legal principles, cases, and information useful in determining the need for professional counsel.

**Prerequisites:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for BSAD 1100 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as LAWS 2000 (3 credits).

**AEN65 PRINCIPLES OF MARKETING** **12** 5 Credits

**Description:** This course features a survey of the distributive fields, their functions, and interrelationships. The course covers the concept and strategies of the marketing mix; the application of marketing concepts in both consumer and business to business environments; and controversial marketing topics, including ethical challenges of advertising.

**Prerequisites:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for MRKT 1010 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as an elective (3 credits).



MILLARD CAREER ACADEMIES

# BUSINESS & LOGISTICS MANAGEMENT

Students explore how products and people move across the globe, while learning broadly about business, marketing, and management. Logistics is one of the fastest growing industries in the world and critical to everyday living. Along with an OSHA card and a Logistics Career Certificate from Metropolitan Community College, students are able to widen their real world experience through an internship their senior year as a gateway into this high-wage, high-demand industry.

Business and Logistics Management Academy Course Sequence Sample			
Year One		Year Two	
Semester One	Semester Two	Semester One	Semester Two
Introduction to Transportation, Distribution, & Logistics	Principles of Management	Production & Operations Management	Business Logistics
Industrial Safety & Health	Introduction to Distribution	Mechanical Print Reading	Problem Solving
Introduction to Business	Principles of Marketing	College Composition and Research	Purchasing and Materials Management
English 11		Business & Logistics Management Work-Based Learning Experience	

Academies will be offered based on student participation and availability of staff.

**0007 ENGLISH 11 - American Literature and Composition** **11** 10 Credits

**Description:** Through this course, students will explore how American literature reflects the identities and cultures of the United States. Students will become adept at analyzing challenging texts from a variety of genres through cultural, racial, and gender perspectives in historical and contemporary literature. By analyzing the authors' views and social context, students will delve into deeper understanding of language, literature, and the writing and research process. Students will study a variety of texts including short stories, novels, poetry, drama, fiction, non-fiction, and visual and digital texts. Students will be assessed using a variety of methods including, but not limited to, essays, presentations, and creative critical thinking activities.

**Prerequisites:** English 10 or English 10 Literacy Enrichment

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for ENGL 1010 and ENGL 2450 (9 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ENGL 1150 and ENGL 1010 (6 credits).

**ATD60 COLLEGE COMPOSITION AND RESEARCH** **12** 5 Credits

**Description:** This course is designed to further develop the skills of English 11 by teaching students how to synthesize and organize primary and secondary sources for the purpose of composing a formal research paper on an educational topic using the Modern Language Association format.

**Prerequisites:** Honors English 10 or English 11

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for ENGL 1020 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ENGL 1160 (3 credits).

- ATD10 INTRODUCTION TO BUSINESS** 12 5 Credits  
**Description:** A survey of the structure and functions of the American business system is provided, together with an overview of business organization, finance, managerial control, production/distribution, personnel, the interdependence of business and government, and consumer business relations.  
**Prerequisites:** None  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for BSAD 1000 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as MGMT 1500 (3 credits).
- ATD01 INTRODUCTION TO TRANSPORTATION, DISTRIBUTION, AND LOGISTICS** 11 5 Credits  
**Description:** This course is an introduction to the transportation, distribution, and logistics career field. Students will study planning, management and movement of people, materials and products by road, air, rail, and water.  
**Prerequisites:** None  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for INCT 1100 (4.5 credits) from Metropolitan Community College.
- ATD05 INDUSTRIAL SAFETY AND HEALTH** 11 5 Credits  
**Description:** This course covers the basics of industrial safety and health. Topics include lock out/tag out, confined space entry, blood-borne pathogens, hot work, ladder safety, and fall protection. Additional safe work practices and procedures are covered. Students who successfully complete this course are eligible to receive the OSHA 30 hour general industry course completion card.  
**Prerequisites:** None  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for INCT 1000 (4.5 credits) from Metropolitan Community College.
- ATD15 INTRODUCTION TO DISTRIBUTION** 11 5 Credits  
**Description:** Students interested in learning about the importance of distribution in manufacturing need a good overview of distributors and distributorships. Students will examine the role of distributors in bringing goods to market, adding value through distributor services, and tracking products from procurement through final sale and installation. Basic accounting principles and contract law necessary for distribution will also be introduced.  
**Prerequisites:** None  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for INCT 1500 (4.5 credits) from Metropolitan Community College.
- ATD20 PRINCIPLES OF MARKETING** 11 5 Credits  
**Description:** This course features a survey of the distributive fields, their functions and interrelationships. The course covers pricing policies, promotional activities, marketing in special fields and market analysis.  
**Prerequisites:** Introduction to Business  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for BSAD 1010 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as MKT 3310 (3 credits).
- ATD25 PRINCIPLES OF MANAGEMENT** 11 5 Credits  
**Description:** This is an introduction to the theory and practice of organizational management. Various management theories are discussed. Special attention is devoted to planning, decision making, organizing, leading, and controlling the organization.  
**Prerequisites:** None  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for MGMT 2100 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as MGMT 3490 (3 credits).
- ATD30 MECHANICAL PRINT READING** 12 5 Credits  
**Description:** This course is directed toward the development of skills required for visualizing and interpreting industrial prints and freehand technical sketching. Topics include print identification, drafting and print reading procedures, machining specifications, geometric dimensioning and tolerancing, elements of welding symbols, symbols used in fluid power diagrams and applied mathematics.  
**Prerequisites:** None  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit ELME 1050 (4 credits) from Metropolitan Community College.

**ATD35 BUSINESS LOGISTICS****12**

5 Credits

**Description:** Business Logistics is the study of the acquisition, storage, use, packaging, transportation and distribution of materials and products. Topics covered include management of materials and physical distribution; transportation choices, regulation and rates; traffic management; product storage, warehousing, handling and packaging; inventory management; acquisition and production scheduling; order entry and processing; logistics systems design and operation; and international logistics.

**Prerequisites:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for BSAD 2400 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as SCMT 2000 (3 credits).

**ATD40 PURCHASING AND MATERIALS MANAGEMENT****12**

5 Credits

**Description:** This course acquaints the student with the theory and applications of purchasing and materials management concepts. The course content includes purchasing organization and administration, quality management, supplier relations, negotiations, legal considerations, logistics, international and governmental procurement, and strategic incentives.

**Prerequisites:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for BSAD 2410 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as BSAD elective (3 credits).

**ATD45 PROBLEM SOLVING****12**

5 Credits

**Description:** This course provides the student with the background knowledge needed to install and support the growing radio frequency identification (RFID) market. Students learn to plan, install, maintain, update, and optimize RFID systems through critical thinking and problem solving with hands-on experience using RFID technology.

**Prerequisites:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for INCT 2050 (4.5 credits) from Metropolitan Community College.

**ATD50 PRODUCTION AND OPERATIONS MANAGEMENT****12**

5 Credits

**Description:** Students will study the fundamentals of production and operations management used in service and manufacturing organizations. The student is introduced to the application of effective production and operations management techniques; the measurement of productivity and customer service; the planning and management of materials, manpower, and capacity; and the concepts of quality and project management.

**Prerequisites:** None

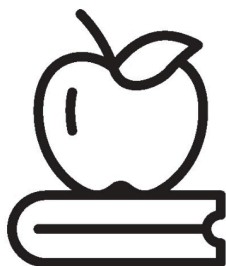
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for MGMT 2420 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as BSAD elective (3 credits).

**ATD55 BUSINESS AND LOGISTICS MANAGEMENT WORK-BASED LEARNING EXPERIENCE 12**

10 Credits

**Description:** The Work-Based Learning Experience provides the student with the opportunity to apply his/her knowledge, learn new techniques and get on-the-job training at an approved work site. Students will work 10-12 hours per week.

**Prerequisites:** Year 1 - Business and Logistics Courses



# MILLARD CAREER ACADEMIES EDUCATION

Students will explore careers in the education field through courses such as Child Development, Introduction to Special Education, and Education Seminars. They will create and deliver lessons to students in an educational setting. During this program students also complete the entrance requirements for the University of Nebraska at Omaha College of Education.

Education Academy Course Sequence Sample			
Year One		Year Two	
Semester One	Semester Two	Semester One	Semester Two
English 11		Advanced Placement® Psychology	
Introduction to Professional Education	Professional Speaking	College Composition and Research	Introduction to Special Education
Child Development (West) or Intro to Teaching ESL (North)	World Religions (West) or US Government (North)	Education Seminar II	Education Seminar III
Preschool Child Development	Education Seminar I	Best Practices in Education	Education Practicum

Academies will be offered based on student participation and availability of staff.

## 0453 ADVANCED PLACEMENT® PSYCHOLOGY 12 10 Credits

**Description:** Students will research the discipline of Psychology as the scientific study of the individual and his/her behavior by connecting psychology to the world. Students will evaluate the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will examine the psychological facts, principles, and phenomena associated with the major subfields of psychology. This course fulfills the Human Resources Graduation Requirement. Completion of this course will prepare students to take the Advanced Placement® Psychology exam.

**Prerequisites:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for PSYCH 1010 from University of Nebraska at Omaha (3 credits).

## AED30 BEST PRACTICES IN EDUCATION 12 5 Credits

**Description:** In this course, students will review the most recent research on best practices in education focusing on planning, instruction, assessment and classroom environment. Students will learn the components of an effective lesson and create and teach their own lesson using these components.

**Prerequisites:** None

## 0527 CHILD DEVELOPMENT 11 5 Credits

**Description:** Students will explore the physical, social, emotional, and intellectual factors that relate to the developing child from prenatal to age 5. This course will develop personal skills while also preparing students for child-related career fields by interacting with children, learning from guest speakers, and participating in problem-based scenarios. Students considering participating in the Education Academy sequence will take this course in 11th or 12th grade. This course fulfills the Human Resources Graduation Requirement.

**Prerequisites:** None

**Dual Enrollment Credit:** This course may be offered for dual enrollment depending on instructor availability.

- AED02 PRESCHOOL CHILD DEVELOPMENT** 11 5 Credits  
**Description:** This course will provide an orientation to a preschool experience in early childhood education. Students will focus on typical and atypical development of the child ages three to five years in the domains of physical growth and motor skills, cognition and language, and social/emotional development. This course will include field experiences within the early childhood education setting.  
**Prerequisites:** None  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for ECED 1120 (4.5 credits) from Metropolitan Community College.
- AED50 EDUCATION PRACTICUM** 12 5 Credits  
**Description:** Students will participate in a field experience. Students will create and deliver lessons to students in an educational setting. Students will be under the supervision of both a Millard West faculty member and the classroom teacher at the practicum location.  
**Prerequisites:** Education Seminar II
- AED15 EDUCATION SEMINAR I** 11 5 Credits  
**Description:** Students will study and discuss issues that impact education today. Students will also observe and reflect on teaching practices of professionals in the field. They will use the information they gain to begin writing their own educational philosophy and belief statements.  
**Prerequisites:** Introduction to Education
- AED40 EDUCATION SEMINAR II** 12 5 Credits  
**Description:** Students will further study and discuss issues that impact education today. Students will strengthen their own philosophy and belief statements about education. Students will observe and reflect on teaching practices in a variety of educational settings.  
**Prerequisites:** Best Practices in Education
- AED45 EDUCATION SEMINAR III** 12 5 Credits  
**Description:** Students will prepare to apply for admissions to a teacher's college. Part of this preparation will include creating a portfolio of their major learnings in the Education Academy. This portfolio will include their finalized teaching philosophy and belief statements. Students will also prepare for a practicum experience in a selected area of focus.  
**Prerequisites:** Education Seminar II
- 0007 ENGLISH 11** 11 10 Credits  
**American Literature and Composition**  
**Description:** Through this course, students will explore how American literature reflects the identities and cultures of the United States. Students will become adept at analyzing challenging texts from a variety of genres through cultural, racial, and gender perspectives in historical and contemporary literature. By analyzing the authors' views and social context, students will delve into deeper understanding of language, literature, and the writing and research process. Students will study a variety of texts including short stories, novels, poetry, drama, fiction, non-fiction, and visual and digital texts. Students will be assessed using a variety of methods including, but not limited to, essays, presentations, and creative critical thinking activities.  
**Prerequisites:** English 10 or English 10 Literacy Enrichment  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for ENGL 1010 and ENGL 2450 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ENGL 1150 and ENGL 2450 (6 credits).
- AED10 INTRODUCTION TO PROFESSIONAL EDUCATION** 11 5 Credits  
**Description:** The course will provide an introduction to the education profession through career exploration and initial exposure to the dynamics of K-12 classroom teaching. The course will provide an overview of ethics, professionalism, pre-service preparation, societal influences, classroom practices, and the governance structures which impact teachers and schools. The course has a required field experience.  
**Prerequisites:** None  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for TED 1010 from University of Nebraska at Omaha (3 credits).

- AED55 INTRODUCTION TO SPECIAL EDUCATION** 12 5 Credits  
**Description:** This course is designed to help students explore issues and perspectives related to children, adolescents, and young adults with a variety of ability and disability experiences. It provides an introduction to the historical factors, legislation, terminology, etiology, characteristics that are commonly encountered when addressing the needs of diverse students with disabilities ranging from mild, moderate to severe.  
**Prerequisites:** None  
**Dual Enrollment Credit:** This course is offered for dual enrolled credit for SPED 1500 from University of Nebraska at Omaha (3 credits).
- AED35 PROFESSIONAL SPEAKING** 11 5 Credits  
**Description:** This course is designed to instruct students how to speak effectively in public. The students will compare and contrast the characteristics of informative, persuasive and entertainment speeches, and support these speeches with credible research and creative language. Students will practice speaking in front of educational audiences such as parents, students, and colleagues. This course also satisfies the Oral Communications Graduation Requirement.  
**Prerequisites:** None  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for COMS 1110 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as CMST 1110 (3 credits).
- AED05 COLLEGE COMPOSITION AND RESEARCH** 12 5 Credits  
**Description:** This is a course designed to prepare students for independent research and writing at the collegiate level. Students will learn the proper method for organizing, researching, and writing a formal research paper. This class is suited for independent workers and motivated students. Organization skills and time management are important when working to meet deadlines for this course.  
**Prerequisites:** Honors English 10 or English 11  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for ENGL 1020 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ENGL 1160 (3 credits).
- 0422 WORLD RELIGIONS** 11 5 Credits  
**Description:** This course is an introduction to the religions of the world. This course will examine and compare beliefs, philosophies of man, and thoughts about certain religions. This course will develop an appreciation of the complex history of these religions and man's place in the universe. This course fulfills the Human Resources Graduation requirement when completed.  
**Prerequisites:** World Geography or AP Human Geography  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for RELI 1010 (3 credits) from the University of Nebraska at Omaha.
- 0414 UNITED STATES GOVERNMENT AND ECONOMICS** 11-12 5 Credits  
**Description:** Students will acquire knowledge and skills necessary to function as educated, concerned, and active citizens in our political and economic systems. Classroom learning is strengthened by participation and analysis of prior service learning through a culminating project.  
**Prerequisites:** None  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for POLS 2050 (4.5 credits) from the Metropolitan Community College
- AED60 INTRO TO TEACHING ESL** 11-12 5 Credits  
**Description:** This course offers teacher candidates an introduction to the linguistic, social, political, and cultural factors that impact the teaching of Multilingual Learners (MLs) entering the United States school system. As dedicated practitioners, reflective scholars, and responsible citizens, undergraduate students will study best practices for MLs in the mainstream classroom that promotes language and cultural understanding among students and teachers  
**Prerequisites:** None  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for TED 2050 (3 credits) from the University of Nebraska at Omaha.





MILLARD CAREER ACADEMIES  
**HEALTH SCIENCES**

Students will explore the field of health care and diverse opportunities for employment through classes such as Nutrition, Medical Terminology, Pharmacology, and Anatomy. They will earn Certified Nursing Assistant and Emergency Medical Responder credentials. Students will also complete a clinical internship and build a professional network.

Health Sciences Academy Course Sequence Sample			
Year One		Year Two	
Semester One	Semester Two	Semester One	Semester Two
Human Anatomy & Physiology or Health Sciences		AP Biology	Long Term Care/Certified Nursing Assistant
Medical Terminology I	Medical Terminology II	AP Psychology	
Health Sciences Orientation Seminar: <ul style="list-style-type: none"> <li>• Cardiopulmonary Resuscitation</li> <li>• Foundations of Health Careers</li> </ul>	Introduction to Medical Law & Ethics	Health Sciences Internship	Health Sciences Work-Based Learning Experience
Disease Processes	Nutrition in the Life Cycle	Fundamentals of Pharmacology	College Writing

Academies will be offered based on student participation and availability of staff.

**0453 ADVANCED PLACEMENT® PSYCHOLOGY** 12 10 Credits

**Description:** Students will research the discipline of Psychology as the scientific study of the individual and his/her behavior by connecting psychology to the world. Students will evaluate the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will examine the psychological facts, principles, and phenomena associated with the major subfields of psychology. This course fulfills the Human Resources Graduation Requirement. Completion of this course will prepare students to take the Advanced Placement® Psychology exam.

**Prerequisites:** None

**AHS01 HUMAN ANATOMY AND PHYSIOLOGY FOR HEALTH SCIENCES** 11 10 Credits

**Description:** This survey course includes all systems of the human body emphasizing the relationship between structure and function. It is intended for certificate-seeking students in MCC programs; transfer elsewhere as anatomy/physiology credit is not assured. This course includes both lecture and lab components. This course fulfills science elective credit.

**Prerequisites:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for BIOS 1310 (5 credits) Survey of Human Anatomy and Physiology from Metropolitan Community College and will transfer to University of Nebraska at Omaha as BIOL 1730 (3 credits).

**AHS05 MEDICAL TERMINOLOGY I****11**

5 Credits

**Description:** This course assists the student in establishing a solid foundation of medical terminology and abbreviations. Prefixes, suffixes, and word roots used in the language of medicine are introduced. Emphasis is placed on understanding the medical vocabulary as it applies to the anatomy, physiology, and pathology of the human body. The functioning of the body systems, clinical/surgical procedures, and therapies are studied. Normal, pathological, clinical, and laboratory considerations are examined in order to best prepare the student for entrance into the health care professions. Emphasis is also placed on correct spelling and pronunciation.

**Prerequisites:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for HIMS 1120 (4.5 credits) Medical Terminology I from Metropolitan Community College.

**AHS10 MEDICAL TERMINOLOGY II****11**

5 Credits

**Description:** This course is a continuation of Medical Terminology I. Additional body systems, specialty medical areas, clinical procedures, laboratory tests, medical terms, and abbreviations are presented. Practical applications with case reports, operative and diagnostic tests, and laboratory and x-ray reports are studied. Upon completion, students should be able to pronounce, spell, and define a wide array of medical terms related to the human body.

**Prerequisites:** Medical Terminology I

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for HIMS 1130 (4.5 credits) Medical Terminology II from Metropolitan Community College.

**AHS15 HEALTH SCIENCES ORIENTATION SEMINAR****11**

5 Credits

**Description:** This is a block course to provide the foundation skills for the health science sequence. Students will complete the following short courses to fulfill Metropolitan Community College requirements.

**Prerequisites:** None

- **CARDIOPULMONARY RESUSCITATION FOR HEALTHCARE PROVIDERS**

**Description:** The participant will learn how to recognize and respond to life-threatening emergencies such as cardiac arrest, respiratory arrest, and foreign-body airway obstruction (choking). The student will learn to recognize heart attack and stroke symptoms in adults and breathing difficulty in children. This course teaches the skills needed to respond to the emergencies identified. The participant will learn the skills of CPR for victims of all ages (including ventilation with barrier devices and bag-mask devices), use of an automated external defibrillator (AED), and relief of foreign-body airway obstruction.

**Prerequisites:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for EMSP 1000 (1 credit) Cardiopulmonary Resuscitation from Metropolitan Community College.

- **FOUNDATIONS OF HEALTH CAREERS**

**Description:** This course is an overview of the fields of healthcare systems, career pathways, emergency management, basic concepts of biology, and related fields. Topics addressed will include implications of science and technology in society, appropriate communication styles/behaviors, employability skills, medical law and ethics, OSHA standards, fundamentals of wellness and disease prevention, first aid, and understanding the role of self/others and relations within a healthcare team in a diverse society.

**Prerequisites:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for HLTH 1015 (4.5 credits) Foundations of Health Careers from Metropolitan Community College.

**AHS20 INTRODUCTION TO MEDICAL LAW AND ETHICS****11**

5 Credits

**Description:** This course gives students a foundation into the federal and state laws of the medical profession and ethical issues associated with working in a healthcare setting. HIPAA (Health Insurance Portability and Accountability Act) regulations are explored in detail. Topics include professional, social, and interpersonal health care issues. Coverage also includes identification of measures to promote confidentiality as major changes occur in electronic health care record technology. Investigation of techniques to maintain office safety as well as the safety and confidentiality of patients and medical records is also included.

**Prerequisites:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for HIMS 1150 (4.5 credits) Introduction to Medical Law and Ethics from Metropolitan Community College.

- AHS25 NUTRITION IN THE LIFE CYCLE** 11 5 Credits  
**Description:** Nutrition represents an important health concern throughout the life cycle. This course includes human nutrition, introduction to therapeutic and modified diets, nutrition in healthcare through the life cycle and drug-nutrient interactions, nutritional assessment and analysis. This course also covers gastrointestinal, cardiovascular, respiratory and endocrine systems as related to medical nutrition therapy.  
**Prerequisites:** Biology, Human Anatomy and Physiology  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for HLTH 1050 (4.5 credits) Nutrition in the Life Cycle from Metropolitan Community College.
- AHS50 HEALTH SCIENCES WORK-BASED LEARNING EXPERIENCE** 12 10 Credits  
**Description:** This Work-Based Learning Experience provides the student the opportunity to apply his/her knowledge in a clinical setting. Students will work 10-12 hours per week.  
**Prerequisites:** Concurrently enrolled in AHS35 Long-Term Care/Certified Nursing Assistant (CNA) or AHS65 Emergency Medical Responder (EMR)
- AHS30 DISEASE PROCESSES** 11 5 Credits  
**Description:** This course is an introduction to the fundamentals of human disease processes. The student gains knowledge in the study of the nature and description of disease, of etiology, signs and symptoms, diagnostic evaluation procedures, complications, treatment, management, prognosis, and prevention of disease. The coverage of diseases is organized by major body systems. Bacteriology as related to health, immunology, and infectious diseases is also explored. The student applies the knowledge learned and utilizes critical-thinking and problem-solving skills through the utilization of case studies and team activities. This course fulfills Science elective credit.  
**Prerequisites:** None  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for HIMS 1180 (4.5 credits) Disease Processes from Metropolitan Community College.
- AHS35 LONG-TERM CARE/CERTIFIED NURSING ASSISTANT (CNA)** 12 10 Credits  
**Description:** The course is designed to meet the Nebraska Health and Human Services System training requirements for nursing assistant certification and employment in long term care facilities. The course combines classroom lecture, laboratory application, and clinical experience for development of basic skills needed to care for the elderly. Course content will focus on teaching the nursing assistant to provide safe, effective, and caring services to the elderly or chronically ill patient of any age in a long-term care facility.  
**Prerequisites:** Mantoux PPD Skin Test (Tuberculosis Test) within 12 months  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for HLTH 1200 (6.5 credits) Long Term Care/Certified Nursing Assistant from Metropolitan Community College.
- AHS65 EMERGENCY MEDICAL RESPONDER (EMR)** 12 10 Credits  
**Description:** The Emergency Medical Responder course provides an introduction to emergency medical care. Modules of training include medical-legal, roles and responsibilities of the EMT, documentation and communication, human body, medical terminology, lifting and moving, airway management basic and advanced, patient assessment, medical and trauma, medical emergencies, treatment and use of assisted medications and IV maintenance, bleeding control and shock, trauma emergencies, use of immobilization devices, obstetrical emergencies, childbirth, pediatrics and children's emergencies, ambulance operations, hazardous materials, mass casualty, and triage.  
**Prerequisites:** CPR Certification  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for EMSP 1020 (5.5 credits) from Metropolitan Community College.
- AHS60 FUNDAMENTALS OF PHARMACOLOGY** 12 5 Credits  
**Description:** This course provides a basic understanding of pharmacological concepts, emphasizing routes of administration, basic pharmacokinetics, and the specific pharmacology of drugs commonly used in the healthcare field. Students become familiar with drug names, drug classifications, and drug schedules and categories. Other topics include drug actions and the rationale for treatment, side effects, and contraindications. Students review current healthcare topics relating to pharmacology and ethical issues.  
**Prerequisites:** None  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for HIMS 2155 (4.5 credits) from Metropolitan Community College.

**V0035 COLLEGE WRITING****11-12**

5 Credits

**Description:** This course will be offered in a blended learning instructional format. Blended learning courses use a combination of best practices, including online learning and face-to-face instruction. Teachers will communicate a schedule of face-to-face learning time for their course. When students are not meeting with a teacher, they will engage in “independent learning” in designated areas or may leave campus if they have open campus privileges. Students will be offered opportunities for collaboration or for quiet study in the library on days when they are not meeting in their classroom. This course follows the same curriculum guide and uses the same instructional materials as the traditional face-to-face course. The class is taught by Millard teachers and will begin and end on the same dates as the face-to-face course. Grades and credits are calculated the same in blended as traditional learning courses. Final exams will be administered during the regular final exam schedule. There are a limited number of sections that will be offered as the blended learning format. To participate in a blended learning course, submit your request at the time of course registration. If you are in the Early College High School program, check with your counselor or academic advisor on the eligibility of the course to meet Early College criteria.

College Writing is a course designed to prepare students for writing and independent research at the collegiate level. Practice in academic inquiry and the proper method for organizing, researching, and writing a formal research paper are emphasized in this course. Because organizational skills and time management are important when working to meet deadlines for this course, this class is best suited for independent workers and motivated students.

**Prerequisites:** Honors English 10 or English 11

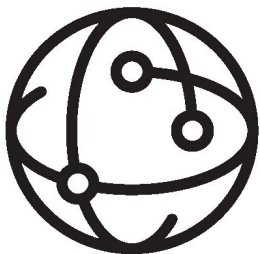
**0377 ADVANCED PLACEMENT® BIOLOGY**

10 Credits

**Description:** Advanced Placement® Biology provides an in-depth study of the rigorous components of the life sciences and emphasizes traditional and current biology concepts. This course is equivalent to a college-level introductory biology course and provides a strong preparation for post-high school science. This lab-based course may include the dissection of preserved specimens. AP Biology students should possess strong writing, reading, and analytical skills. Completion of this course will prepare students to take the Advanced Placement® Biology exam.

**Prerequisites:** Biology and Chemistry

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for BIOL 1450 and BIOL 1750 from the University of Nebraska at Omaha.



# MILLARD CAREER ACADEMIES

# S.T.E.M.

Students will engage in a broad foundation of Design, Math, Engineering, Science, and Information Technology courses to prepare for a variety of career and postsecondary opportunities. The courses for the STEM Academy are focused around engaging students as creative and critical thinkers. Students will also complete a STEM Capstone course and an internship to gain workplace experience and create a professional network.

STEM Academy Course Sequence Sample			
Year One		Year Two	
Semester One	Semester Two	Semester One	Semester Two
AP Physics 1: Algebra-Based		AP Statistics	
Engineering Design and Systems Thinking	Engineering Problem Solving	STEM Capstone	
Industrial Design I	Human Relations	Industrial Design II	Public Speaking
STEM Information Technology	STEM Computer Science	STEM Work-Based Learning Experience	

It is recommended that students interested in the STEM Academy complete at least one of the following courses from the Millard Art Curriculum before the end of their Sophomore year. Intro to 2D and/or Intro to 3D. Both of these courses help to teach the foundations of skills that continue to be developed in Drawing and 3D Design.

Academies will be offered based on student participation and availability of staff.

**AST01 ENGINEERING DESIGN AND SYSTEMS THINKING** 11 5 Credits

**Description:** This course gives students the opportunity to develop skills and understanding of engineering concepts. The class integrates ideas and learnings from other STEM Academy courses to be used in the context of this class.

**Prerequisites:** None

**AST02 STEM INFORMATION TECHNOLOGY** 11 5 Credits

**Description:** Students learn techniques that will help build a firm foundation in problem solving and programming concepts. These techniques present the concepts of problem solving, and introduction to how problems are solved on computers, mathematical concepts required for problem solving using a computer, and logic needed to understand a problem. Students use flowcharts, pseudocode, and algorithms to document and demonstrate logic as a solution to a problem.

**Prerequisites:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for INFO 1003 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as elective credit.

**AST03 ENGINEERING PROBLEM SOLVING** 11 5 Credits

**Description:** This course gives students the opportunity to develop skills and understanding of engineering concepts. The class integrates ideas and learnings from other STEM Academy courses to be used in the context of this class.

**Prerequisites:** None

- AST04 STEM COMPUTER SCIENCE** 11 5 Credits  
**Description:** Students gain a broad overview of programming in a high-level general-purpose programming language. Students are introduced to programming and problem solving. At the end of the course, students design a program using programming language.  
**Prerequisites:** None  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for INFO 1499 (4.5 credits) from Metropolitan Community College.
- 0383 ADVANCED PLACEMENT® PHYSICS 1: ALGEBRA-BASED** 11 10 Credits  
**Description:** Students will engage in hands-on exploration while developing an understanding of Newtonian mechanics, including rotational dynamics and angular momentum; work, energy, and power; mechanical waves and sound; and electric circuits and relevant, heat, nuclear, and earth science topics. This course is the equivalent to a first-semester college course in algebra-based physics.  
**Prerequisites:** Biology, Algebra II (or Honors Algebra II or Algebra II: Foundations 4) or Algebra 1 and completion or concurrent enrollment in Algebra 2 (or Honors Algebra 2) or Algebra 3 (or Honors Algebra 3)  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for PHYS 1100 and PHYS 1154 (5 credits) from University of Nebraska at Omaha.
- AST10 Industrial Design I** 11 5 Credits  
**Description:** Drawing is a foundational course in objective drawing where students use various media, such as charcoal, graphite, conte, and ink. The course focuses on formal elements of line, shape, form, value, texture with the intent of developing dexterity, and perception. Subject matter mainly includes objects, still life, and spatial issues. Students learn about figure/ground relationships, relative position and proportion, linear perspective, and light effects on form and space. This course fulfills the Fine and Performing Arts Graduation Requirement.  
**Prerequisites:** None  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for ARTS 1010 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ART 1100 (3 credits).
- YBC03 HUMAN RELATIONS** 12 5 Credits  
**Description:** This is an introductory course in interpersonal skills, stressing the importance of utilizing those skills in the workplace. Students are presented with opportunities to become more effective, discerning, ethical, flexible, perceptive, and understanding in both professional and personal endeavors. Special attention is given to appropriate communication skills, multinational and diversity awareness, teamwork, and job-seeking skills as applied to an increasingly customer-oriented workplace. The course fulfills the Millard Human Resources Credit.  
**Prerequisites:** None  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for HMRL 1010 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as CMST 2010 (3 credits).
- AST05 INDUSTRIAL DESIGN II** 12 5 Credits  
**Description:** This course is an introduction to 3-D design, concentrating on the principles and elements of 3-D form and space. Traditional processes include construction, carving, assembling, and modeling. Computer 3-D modeling programs may be used.  
**Prerequisites:** None  
**Dual Enrollment Credit:** This course is offered for dual enrollment credit for ARTS 1030 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ART 1110 (3 credits).
- AST06 STEM CAPSTONE** 12 10 Credits  
**Description:** Students will develop a research proposal, completed project, and presentation as a capstone to the STEM Academy program. Students will choose a project integrating the skills and knowledge gained from the other courses in the Academy.  
**Prerequisites:** None

**MA56 ADVANCED PLACEMENT® STATISTICS**

10 Credits

**Description:** Students will learn a variety of statistical concepts including exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Completion of this course will prepare students to take the Advanced Placement® Statistics exam.

**Prerequisites:** Algebra II or Honors Algebra II, Foundations Algebra 3, Algebra 3 or Honors Algebra 3 AND Foundations Algebra 4: Probability & Statistics or Algebra 4: Probability & Statistics

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for MATH 1410 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as MATH 1530, BSAD 2130 or CIST 2500 (3 credits).

**AST08 PUBLIC SPEAKING**

12

5 Credits

**Description:** Students learn both theoretical and practical instruction for speaking effectively in public. Topics include topic selection, audience analysis, speech preparation and organization, support of speeches with credible research, strategic and creative language use, effective listening and delivery skills, and common types of public speeches.

**Prerequisites:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for COMS 1110 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as CMST 1110 (3 credits).

**AST09 STEM WORK-BASED LEARNING EXPERIENCE**

12

10 Credits

**Description:** The Work-Based Learning Experience provides the student with the opportunity to apply the knowledge and skills gained through the STEM Academy at an approved work site. The student will not only gain valuable work experience but also engage in networking and develop industry contacts.

**Prerequisites:** None

## AIR FORCE JUNIOR RESERVE OFFICER TRAINING CORPS (AFJROTC)

*Students interested must attend or transfer to Millard South High School.*

## AIR FORCE JUNIOR RESERVE OFFICER TRAINING CORPS (AFJROTC)



### AIR FORCE JUNIOR RESERVE OFFICER TRAINING CORPS

Location: Millard South High School

*Students interested must attend or transfer to Millard South High School.*

*Within district transfer is required to participate*

Course #	Course Name	Credits	Grad Requirement
AS100	Milestone in Aviation History	5	
LE100	Traditions, Wellness, and Foundations of Citizenship	5	PE
AS220	Cultural Studies: An Intro to Global Awareness	5	WG
AS200	The Science of Flight: A Gateway to New Horizons	5	SE
LE200	Communication, Awareness, and Leadership	5	
AS300	Exploring Space: The High Frontier	5	
LE300	Life Skills and Career Opportunities	5	FL
AS400	Management of Cadet Corps	5	
LE400	Fundamentals of Management	5	
AS410	Survival	5	

FL = Fulfills Financial Literacy Graduation Requirement

PE = Fulfills Physical Education Graduation Requirement

SE = Science Elective

WG = Fulfills World Geography Graduation Requirement

The AFJROTC is designed to instill the values of citizenship through service and character development within a rich academic and service-oriented curriculum. Each AFJROTC program includes three components: aerospace science, leadership education, and wellness. AFJROTC Cadets completing the program also develop life-long leadership and decision-making skills and strategies. In addition to courses, students could have the opportunity to participate in drills, ceremonies, and community service activities outside of the regular school day.

To participate in AFJROTC students must meet the following expectations:

- Wear the regulation AFJROTC uniform ONLY on those occasions prescribed by the Aerospace Science instructors.
- Meet personal grooming standards established by the Air Force (including haircuts).
- Meet the standards of attitude, behavior, and courtesy established and taught by the instructors.

#### AS100 MILESTONES IN AVIATION HISTORY

5 Credits

**Description:** Milestones in Aviation History is a course that covers the development of flight throughout the centuries. It all starts with an examination of ancient civilization and flight, then progresses through time to future developments in aerospace, with an introduction into cyber technologies. Must be taken concurrently with LE100 Traditions, Wellness and Foundations of Citizenship.

**Credit Earned:** Elective

#### LE100 TRADITIONS, WELLNESS, AND FOUNDATIONS OF CITIZENSHIP

5 Credits

**Description:** Traditions, Wellness, and Foundations of Citizenship is the first component of JROTC leadership education. It is intended for students who are entering the JROTC program and beginning their high school studies. The course will help prepare you for success as a member of JROTC and a high school student. Must be taken concurrently with AS100 Milestones in Aviation History.

**Credit Earned:** Successful completion of this course fulfills 5 credits toward the Physical Education Graduation Requirement.



**AS200 THE SCIENCE OF FLIGHT: A GATEWAY TO NEW HORIZONS** 5 Credits

**Description:** Cadets will explore how planes fly, the impact of weather conditions on flights, flight and the human body, and navigation. This course applies mathematics, physics, and other science-related aspects. Must be taken concurrently with LE200 Communication Awareness and Leadership.

**Credit Earned:** Science Elective

**LE200 COMMUNICATION, AWARENESS, AND LEADERSHIP** 5 Credits

**Description:** Cadets will practice effective communication skills and Cadet Corps activities. Understanding dynamics of groups and teams, preparing for leadership, solving conflicts and problems, and a focus on personal development are components of this course. Must be taken concurrently with AS200 The Science of Flight: A Gateway to New Horizons.

**Credit Earned:** Elective

**AS220 CULTURAL STUDIES: AN INTRODUCTION TO GLOBAL AWARENESS** 5 Credits

**Description:** Cadets will focus on world affairs and cultural awareness through the study of history, geography, world religions, social issues, economics, political systems, environmental concerns, and human rights while examining six major regions of the world.

**Credit Earned:** Successful completion of AS220 fulfills the 0408 World Geography Graduation Requirement

**AS300 EXPLORING SPACE: THE HIGH FRONTIER** 5 Credits

**Description:** Cadets will learn the history of astronomy and space environment from the earliest days of space into modern astronomy with an in-depth study of the earth, stars, moon, and the solar system. The discussion of issues critical to travel in the upper atmosphere, investigations of the importance of entering space and on concepts surrounding spaceflight, space vehicles, launch systems, and space missions are included within this course. Must be taken concurrently with LE300 Life Skills and Career Opportunities.

**Credit Earned:** Elective

**LE300 LIFE SKILLS AND CAREER OPPORTUNITIES** 5 Credits

**Description:** Cadets will study how to become fiscally responsible while learning how to save, invest, spend money wisely, and avoid the credit trap. Students will increase their knowledge of contracts, leases, warranties, legal notices, personal bills, and practical and money-saving strategies for real-life issues. Cadets will explore career paths and understand requirements needed to be successful beyond high school. Must be taken concurrently with AS300 Exploring Space: The High Frontier.

**Credit Earned:** Successful completion of this course fulfills the Financial Literacy Graduation Requirement

**AS400 MANAGEMENT OF THE CADET CORPS** 5 Credits

**Description:** Cadets will apply theories and techniques learned in previous leadership courses while participating in hands-on application of planning, organizing, coordinating, and directing through leadership experiences. Students will practice communication, decision-making, social interaction, managerial, and organizational skills throughout this course. Must be taken concurrently with LE400 Fundamentals of Management.

**Credit Earned:** Elective

**LE400 FUNDAMENTALS OF MANAGEMENT** 5 Credits

**Description:** Cadets will be exposed to the fundamentals of management by studying the history of management while applying the skills and strategies needed to serve in leadership positions within the corps. Studies will include ethical dilemmas, case studies, and activities based on real life experiences while students practice what they learn. Must be taken concurrently with AS400 Management of the Cadet Corps.

**Credit Earned:** Elective

**AS410 SURVIVAL** 5 Credits

**Description:** Cadets will synthesize basic endurance and persistence information while learning the skills, knowledge, elements, and attitudes necessary for survival through a study of various situations. As part of this course, students will practice orienteering skills and strategies.

**Credit Earned:** Elective

## AP CAPSTONE™

*Students accepted must attend or transfer to Millard West High School.*

AP Capstone™ is an innovative diploma program from the College Board. Developed at the request of higher educational professionals, students in high school develop and master the skills they need to focus on completing independent research while collaborating with peers and enhancing communication skills. Students taking the two AP Capstone™ courses will develop disciplined and scholarly skills to better prepare them for post-secondary experiences. These courses will provide opportunities to develop college-level skills in areas like research, critical thinking, and time management.



AP Capstone™ is unique compared to other programs of choice in Millard, for it offers flexibility in student schedules. This allows students to take the AP courses that fit their needs, career goals, and interests. Because of the culture at Millard West, students have more than 20 AP courses to choose from, in addition to AP Seminar and AP Research courses, which are offered as part of the AP Capstone™ program.

A student earns an esteemed AP Seminar Certificate™ after completing the AP Seminar course and the AP Research course with a passing grade of a 3 or higher. In addition, a student earns an AP Capstone™ Diploma after meeting the AP Research and AP Seminar requirements, completing any additional four AP courses while earning a score of 3 or higher on the exams.

AP Capstone™ provides students with the skills needed for school and life beyond the classroom. They will learn how to critically think about problems around the world and navigate through possible solutions, while engaging and evaluating multiple perspectives and points of view. The program will help students develop as critical thinkers and allows them to build on their pre-existing skills in research and public speaking. Students will have a chance to truly gain ownership of their learning and take accountability in the learning process.

In AP Seminar, students will read and analyze a variety of sources, discover and research multiple problems, and create solutions, resolutions, or conclusions. In AP Research, students will find a gap in current research, conduct their own research, write about, and present their findings.

Sophomore students are eligible to apply to the AP Capstone™ program for their junior and senior year and must attend or transfer to Millard West to participate. Information on the AP Capstone™ program and the application process is shared in classes and during the registration process. The application process is completed in early December and students are notified of their acceptance status in January.

### AP CAPSTONE

AP CAPSTONE™			
Location: Millard West High School			
Application is open to all Millard Students			
<i>Within district transfer is required to participate</i>			
Course #	Course Name	Credits	Grad Requirement
<b>AP Capstone™</b>			
PD80	Academic Seminar	5	
AP01 A/B	AP Seminar	10	
AP02 A/B	AP Research	10	

**PD80 ACADEMIC SEMINAR****9-12**

5 Credits

**Description:** This elective course is for motivated students who want the challenge of a rigorous course and are concerned about taking an academic risk. Academic Seminar provides the opportunity to refine work habits and attitudes necessary for success while enrolled in a course that is the student's personal academic stretch. The course will focus on strengthening and applying critical reading, vocabulary, writing, and mathematical reasoning while improving organization, time management and study skills; developing test taking skills and strategies; and practicing effective decision making and self-advocacy strategies. Students will diagnose their individual needs while setting, measuring, and attaining S.M.A.R.T. Goals related to academic improvement. The course includes customized support and advisement from instructors and peer tutors. Along with external support, the student will self-monitor work habits and academic progress in all courses.

**Prerequisites:** None

**AP01 AP SEMINAR****11**

10 Credits

**Description:** AP Seminar engages students in exploring academic and real-world topics by looking through a lens of multiple perspectives utilizing different mediums and sources of information. Students will learn how to synthesize information from multiple sources, develop their own insights in written work, and design and deliver oral and visual presentations, both individually and as part of a collaborative team. Students will complete the class with enhanced skills in evaluation and synthesizing information through an evidenced based approach.

**Prerequisites:** None

**Assessment Overview:** The AP Seminar assessment has three parts: two performance tasks which are completed over the course of the year and submitted online for scoring through the AP Digital Portfolio. The third part is the end-of-course AP Exam.

**AP02 AP RESEARCH****12**

10 Credits

**Description:** AP Research, the second course for AP Capstone™, allows students to get more in depth with an academic topic, problem, issue, or idea of individual interest. Students will design, plan, and implement an investigation throughout the school year, to address a research question. Through this process, they further the skills they acquired in the AP Seminar course by learning and applying research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students will get the opportunity to reflect on their research development, record their processes, and collect the artifacts of their project through a process and reflection portfolio. The course culminates in an academic paper of 4,000 - 5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

**Prerequisites:** AP Seminar

**Assessment Overview:** AP Research students are assessed on the finalized academic paper, presentation and oral defense of the research. The academic paper is 4,000–5,000 words, and the presentation and defense take approximately 15–20 minutes. There is no end-of-course written exam for AP Research. Instead, students are assessed on performance tasks that are completed from the year long research project. Students will write an academic paper which is submitted online for scoring through the AP Digital Portfolio along with a presentation and an oral defense of their research.

## **EARLY COLLEGE HIGH SCHOOL**

*Students accepted must attend or transfer to Millard South High School.*

Opening in 2015-2016, the Millard South Early College High School (ECHS) program was developed in partnership with Millard Public Schools, Metropolitan Community College, University of Nebraska at Omaha, and the Millard Public Schools Foundation.



The Early College program allows students the opportunity to earn a Millard diploma while also fulfilling the requirements for an Associate of Arts Degree at Metropolitan Community College within a high school setting. Students may transfer this degree to the University of Nebraska system and other post-secondary institutions to fulfill many of the general education requirements for a Bachelor's degree.

Although the program is articulated to meet many of the general education requirements for the University of Nebraska system, alumni from the ECHS program have shared that the credits transferred to post-secondary institutions across the country. In many instances this transfer of credits has allowed students to complete a Bachelors degree in less time, pursue a second major, engage in an internship opportunity, take less credits per semester, work while going to school, and a host of other benefits of having the college credits completed while in high school.

The cost savings of the program to families has many facets. The reduced rate of tuition is a clear benefit, although there are other cost savings including textbooks, fees, and time. The majority of students who are accepted into ECHS program complete the program and receive their Liberal Arts/Academic Transfer Associates in Arts (LATAA) degree. Even those that do not complete the degree will have earned a robust college transcript with college credits.

In order to participate students must submit an application to the program in the winter of their 8th grade year to begin in the program their freshman year of high school. Ideal candidates for the program have demonstrated high quality academic performance, scored well on standardized academic assessment measures, have a good attendance record, and receive a positive reference from a teacher or other adult. As part of the application students are also asked to answer several short answer questions regarding their interest in the program and plans for the future.

The Early College Program is open to all high school students within the District regardless of their home school assignment. Students accepted to participate in the Early College Program will attend Millard South High School and must submit an application for transfer by the district deadlines. Contact Millard Public School Student Services (402-715-8300) for questions regarding transfer or enrollment procedures.

Students complete all of their Early College High School courses at Millard South with Millard South teachers who are also Metropolitan Community College approved adjunct faculty. Millard Public Schools provides all textbooks and resources for the students.

The Early College High School courses are dual enrolled for high school credit from Millard and college credit from Metropolitan Community College. The cost of tuition for the college courses is the responsibility of the student and can vary from year to year. Historically the cost has been \$50 per course for Early College courses, although MCC tuition for 2025/2026 has not been set at this time.

More information regarding the program can be found on the following pages of this handbook and at the Early College website at [mpsomaha.org](http://mpsomaha.org).

## EARLY COLLEGE HIGH SCHOOL

The following courses are dual enrolled with Metropolitan Community College

Millard South High School			Metropolitan Community College		
Course #	Course Name	Credits	Course #	Course Name	Credits
<b>Art, Business, Music, and Theatre</b>					
0540	AP Macroeconomics	5	ECON 1000	Macroeconomics	4.5
0541	AP Microeconomics	5	ECON 1100	Microeconomics	4.5
0701	Art History through the Ages	5	ARTS 1000	Introduction to the Visual Arts	4.5
0566	Business Technologies	5	INFO 1001	Information Systems & Literacy	4.5
0720	Drawing	5	ARTS 1010	Elementary Drawing	4.5
0747	Music Exploration	5	MUSC 1050	Music Appreciation	4.5
0039	Theatre Appreciation	5	THEA 1000	Theatre Appreciation	4.5
<b>English Language Arts</b>					
0035 or					
V0035	College Writing	5	ENGL 1020	English Composition II	4.5
0033	Creative Writing	5	ENGL 1310	Creative Writing	4.5
0007A	English 11 A	5	ENGL 1010	English Composition I	4.5
0007B	English 11 B	5	ENGL 2450	Introduction to Literature	4.5
0067	Global Perspectives Through Literature	5	HUMS 1150	The Humanities in the Non-Western World	4.5
0004A	Honors English 10 A	5	ENGL 1010	English Composition I	4.5
0004B	Honors English 10 B	5	ENGL 2450	Introduction to Literature	4.5
0020	Speech	5	COMS 1110	Public Speaking	4.5
<b>Mathematics</b>					
MA58	AP Calculus AB	10	MATH 2410	Calculus I	7.5
MA60A	AP Calculus BC	5	MATH 2410	Calculus I	7.5
MA60B	AP Calculus BC	5	MATH 2411	Calculus II	7.5
MA54A	AP Precalculus A	5	MATH 1425	Precalculus Algebra	5
MA54B	AP Precalculus B	5	MATH 1430	Trigonometry	5
MA56	AP Statistics	10	MATH 1410	Statistics	4.5
MA64A	Calculus III/Differential Equations	10	MATH 2412	Calculus III	6
MA64B	Calculus III/Differential Equations	10	MATH 2510	Differential Equations	4.5
MA52 or					
VMA53	College Algebra	10	MATH 1425	Precalculus Algebra	5
MA38	Trigonometry	5	MATH 1430	Trigonometry	4.5
<b>Science</b>					
0383	AP Physics I: Algebra-Based	10	PHYS 110 ABC	Principles of Physics IA, IB, IC	7.5
0327	Biology	10	BIOS 1010	Introduction to Biology	6
0334	Chemistry	10	CHEM 1010	College Chemistry	5
0362	Human Anatomy and Physiology	10	BIOS 1310	Survey of Anatomy & Physiology	5
0352	Physics	10	PHYS 1010	Applied Physics	4.5
<b>Social Studies</b>					
PD80	Academic Seminar	5	HMRL 1010	Human Relations Skills	4.5
0450A	AP US History A	5	HIST 1010	United States History to 1877	4.5
0450B	AP US History B	5	HIST 1020	U.S. History from 1865 to Present	4.5
0424A	AP World History A	5	HIST 1110	World Civil. from Prehistory to 1500	4.5
0424B	AP World History B	5	HIST 1120	World Civil. from 1500 to Present	4.5
0420A	World History A	5	HIST 1110	World Civil. from Prehistory to 1500	4.5
0420B	World History B	5	HIST 1120	World Civil. from 1500 to Present	4.5
0414	US Government & Economics	5	POLS 2050	American National Government	4.5
0415	AP US Government & Politics	5	POLS 2050	American National Government	4.5
0453	AP Psychology	10	PSYC 1010	Introduction to Psychology	4.5
<b>World Language</b>					
0139A	AP French A	5	FREN 2110	Intermediate French I	4.5
0139B	AP French B	5	FREN 2120	Intermediate French II	4.5
0119A	AP German A	5	GERM 2110	Intermediate German I	4.5
0119B	AP German B	5	GERM 2120	Intermediate German II	4.5
0159A	AP Spanish A	5	SPAN 2210	Conversation Skills I	4.5
0119B	AP German B	5	GERM 2120	Intermediate German II	4.5
0159A	AP Spanish A	5	SPAN 2210	Conversation Skills I	4.5
0159B	AP Spanish B	5	SPAN 2220	Conversation Skills II	4.5
0134	Honors French II	10	FREN 1110	Elementary French I	7.5
0136	Honors French III	10	FREN 1120	Elementary French II	7.5
0114	Honors German II	10	GERM 1010	Elementary German I	7.5
0118	Honors German III	10	GERM 1020	Elementary German II	7.5
0154	Honors Spanish II	10	SPAN 1110	Elementary Spanish I	7.5
0156	Honors Spanish III	10	SPAN 1120	Elementary Spanish II	7.5
0158A	Honors Spanish IV/V	5	SPAN 2110	Intermediate Spanish I	4.5
0158B	Honors Spanish IV/V	5	SPAN 2120	Intermediate Spanish II	4.5
<b>Credit granted by passing AP exam with a 3,4, or 5</b>					
0456	AP Human Geography	10	GEOG 1050	Intro to Human Geography	4.5

**PD80 ACADEMIC SEMINAR****9**

5 Credits

**Description:** This elective course is for motivated students who want the challenge of a rigorous course and are concerned about taking an academic risk. Academic Seminar provides the opportunity to refine work habits and attitudes necessary for success while enrolled in a course that is the student's personal academic stretch. The course will focus on strengthening and applying critical reading, vocabulary, writing, and mathematical reasoning while improving organizational, time management, and study skills, developing test taking skills and strategies, and practicing effective decision making and self-advocacy strategies. Students will diagnose their individual needs while setting, measuring, and attaining S.M.A.R.T. goals related to academic improvement. The course includes customized support and advisement from instructors and peer tutors. Along with external support, the student will self-monitor work habits and academic progress in all courses.

**Prerequisites:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for HMRL 1010 (4.5 credits) from Metropolitan Community College.



## INTERNATIONAL BACCALAUREATE® MIDDLE YEARS PROGRAMME

*Students accepted must attend or transfer to Millard North High School*

### **Middle Years Programme (IB-MYP)**

The International Baccalaureate Organization's Middle Years Programme, offered by the IBO since 1994, provides a challenging framework that encourages students to make practical connections between their studies and the real world, preparing them for success in further study and in life. The MYP aims to develop active learners and internationally minded young people who can empathize with others and pursue lives of purpose and meaning. The result is young people who are creative, critical, and reflective thinkers. Students who complete the MYP are well-prepared to undertake the IB Diploma Programme.

Research shows that students participating in the MYP:

- Build confidence in managing their own learning.
- Learn by doing, connecting the classroom to the larger world.
- Outperform non-IB students in critical academic skills.
- Consistently have greater success in IB Diploma Programme examinations.
- Thrive in positive school cultures where they are engaged and motivated to excel.
- Develop an understanding of global challenges and a commitment to act as responsible citizens.

This program requires enrollment at Millard North High School. It is a two-year program in which students must enter at the 9th grade level and continue through the 10th grade. It is not necessary for a student to have participated at the middle school level. The MYP is not a prerequisite to the Diploma Programme. While participation in the MYP is not required to enter the IB Diploma Programme, research suggests that students who do participate in MYP have greater success in the IB-DP than their non-MYP peers.

Students must sign up for the IB Middle Years Programme during registration. For further information about the IB Middle Years Programme contact the IB-MYP Coordinator at (402) 715-1363.

The requirements for successful completion of the IB-MYP at Millard North High School include:

- Enrollment in and successful completion of at least six out of the eight MYP subject areas during both the ninth and tenth grades.
  - Subject Areas Include: Language and Literature, Language Acquisition, Individuals and Societies, Science, Mathematics, Arts, Design, Physical Education
- Completion of 4 community and service experiences and reflections in both ninth and tenth grades.
- Creation and presentation of a Person Project during the tenth grade.

## IB Middle Years Program Course Completion Sequence

Students must be registered in **at least six year-long** MYP subject areas **each year** in order to be eligible for an IB-MYP Certificate. In order to ensure all requirements are met, it is recommended that students follow the suggested sequence below.

Subject Area 1: Language A (9 <sup>th</sup> Grade)		Subject Area 1: Language A (10 <sup>th</sup> Grade)	
English 9 English 9 Literacy Enrichment	Honors English 9	English 10 Eng 10 Literacy Enrichment	Honors English 10
Subject Area 2: Language B		Subject Area 2: Language B	
Spanish I Spanish II French I French II German I German II	Honors Spanish I Honors Spanish II Honors French I Honors French II Honors German I Honors German II Honors Latin I	Spanish II Spanish III German II German III French II French III	Honors Spanish II Honors Spanish III Honors German II Honors German III Honors French II Honors French III Honors Latin II
Subject Area 3: Mathematics		Subject Area 3: Mathematics	
<i>If you took MA818 Math 8:</i> MA08 Found Algebra I & MA12 Found Geometry 1 MA10 Algebra 1 & MA14 Geometry 1  <i>If you took MA838 Algebra 1 &amp; MA858 Geometry 1:</i> MA18 Algebra 2 & MA24 Geometry 2 MA20 Honors Algebra 2 & MA26 Honors Geometry 2  <i>If you took MA858 Geometry 1 &amp; MA898 Honors Geometry 2:</i> MA30 Algebra 3 & MA36 Algebra 4 MA32 Honors Algebra 3 & MA36 Algebra 4 MA32 Honors Algebra 3 & MA56 AP Statistics (A & B)		<i>If you took MA10 Algebra 1 &amp; MA14 Geometry 1:</i> MA18 Algebra 2 & MA24 Geometry 2 MA20 Honors Algebra 2 & MA26 Honors Geometry 2  <i>If you took MA14 Geometry 1 &amp; MA26 Honors Geometry 2:</i> MA30 Algebra 3 & MA36 Algebra 4 MA32 Honors Algebra 3 & MA36 Algebra 4 MA32 Honors Algebra 3 & MA56 AP Statistics (A & B)  <i>If you took MA32 Honors Algebra 3 &amp; MA36 Algebra 4 and/or MA56 AP Stats:</i> MA54 AP Precalculus (A & B) MA56 AP Statistics (A & B)	
Subject Area 4: Science		Subject Area 4: Science	
Biology		Physical Science: Chemistry Chemistry**	Physical Science: Physics Physics** or AP Physics I: Algebra-Based** Intro to IB Chemistry & IB Physics  **Recommended sequence for students continuing to IB-DP
Subject Area 5: Humanities		Subject Area 5: Humanities	
World Geography AP Human Geography	International Relations Human Diversity	World History AP World History	

Subject Area 6: Choose ONE Area for the 9 <sup>th</sup> grade Physical Education, Technology & Design, Fine & Performing Arts		Subject Area 6: Choose ONE Area for the 10 <sup>th</sup> grade Physical Education, Technology & Design, Fine & Performing Arts	
Semester One:	Semester Two:	Semester One:	Semester Two:

Other Choice Elective	Other Choice Elective	Other Choice Elective	Other Choice Elective

Students must be enrolled in a full year of Physical Education, Technology & Design, or Fine & Performing Arts during both the 9<sup>th</sup> and 10<sup>th</sup> grade.

### Course Options for Subject Area 6:

Physical Education	Design	Arts
Sport Skills & Fitness Cross Training I Cross Training II Aquatics Healthy Living	Business Technologies Digital Media Personal Finance (10th Grade Only) Marketing Intro to Computer Science Principles AP Computer Science Principles (YR) Introduction to Engineering Engineering and Design A Forensics: Competitive Speech (YR) Competitive Debate	Intro to 2D Art Intro to 3D Art Pottery and Sculpture (Intro to 3D Prerequisite) Drawing (Intro to 2D Art Prerequisite) Painting (Intro to 2D Art Prerequisite) Digital Music Production/Songwriting (YR) Music Exploration Any Journalism* Any Music Ensemble Yearbook* <i>*Does not meet Millard Fine Arts Requirement</i>

### Additional Program Requirements

9 <sup>th</sup> Grade: Service as Action, IB-MYP Meetings	10 <sup>th</sup> Grade: Service as Action, Personal Project
Quarterly meetings with the Program Coordinator to discuss community and service, assessments, and introduction to the Personal Project.	MYP Designated Mustang Time to discuss completion of the Personal Project.



# INTERNATIONAL BACCALAUREATE® DIPLOMA PROGRAMME

*Students accepted must attend or transfer to Millard North High School*

## **Diploma Programme (IBDP)**

The International Baccalaureate® (IB) Diploma Programme, created in 1968, is a demanding pre-university course of study that leads to examinations and is designed for highly motivated secondary school students aged 16 to 19 in the 11<sup>th</sup> and 12<sup>th</sup> grades. The program has earned a reputation for rigorous assessment, giving IB diploma holders access to the world's leading universities. The International Baccalaureate® Organization has shown that students are well prepared for university work.

The Diploma Programme's grading system is criterion referenced. Each student's performance is measured against well-defined levels of achievement consistent from one examination session to the next. Grades reflect attainment of knowledge and skills relative to set standards that are applied equally to all schools.

The program is a comprehensive two-year international curriculum that generally allows students to fulfill the requirements of their national or state education systems. The Diploma Programme incorporates the best elements of national systems without being based on any one. Internationally mobile students are able to transfer from one IB school to another while students who remain closer to home benefit from a highly respected international curriculum.

Students are responsible for paying the cost of the IB exams. The cost is updated annually by International Baccalaureate® (IB). In an effort to eliminate a potential financial barrier for students, the MPS Foundation continues their commitment to support the International Baccalaureate® (IB) program by contributing to IB exam fees for students qualifying for the Free and Reduced Price Meals Program.

The IB's goal is to provide students with the values and opportunities that will enable them to develop sound judgment, make wise choices, and respect others in the global community. The Diploma Programme equips students with the skills and attitudes necessary for success in higher education and employment through emphasis on the Learner Profile, which describes a broad range of human capacities and responsibilities that go beyond academic success. The profile aims to develop learners who are inquirers, knowledgeable, thinkers, communicators, principled, open-minded, caring, risk-takers, balanced, and reflective.

Students study six academic subjects concurrently; students are required to study both the humanities and the sciences. Diploma candidates must select one subject from each of the six groups. Three courses are taken at higher level (HL), while three other courses are taken at the standard level (SL). HL courses span two years of study, while most SL courses represent one year. Students are thus able to explore some subjects in depth and others more broadly. The science-oriented student is challenged to learn a foreign language, and the natural linguist becomes familiar with laboratory procedures. The subjects are continually reviewed and revised collaboratively by IB teachers to meet contemporary needs.

The IB-DP curriculum at Millard North High School consists of six subject groups:

<b>Group 1</b>	<b>Language A</b>	(best language)	IB English: Literature HL
<b>Group 2</b>	<b>Language B</b>	(second language)	French B SL, German B SL, Latin SL, Spanish B SL
<b>Group 3</b>	<b>Individuals and Societies</b>		Early Modern World History SL/HL I, History of the Americas HL II, Psychology SL, Business Management SL/HL
<b>Group 4</b>	<b>Experimental Sciences</b>		Biology SL/HL, Chemistry HL, Physics SL/HL, Computer Science HL
<b>Group 5</b>	<b>Mathematics</b>		Mathematics Applications and Interpretations SL/HL, Mathematics Analysis and Approaches HL
<b>Group 6</b>	<b>Electives</b>		Music SL, Visual Arts SL/HL, Film SL/HL, <b>or</b> a second course selection from Language B, Individuals and Societies, or Experimental Sciences

*\*International Baccalaureate® Organization, February 2000: Reprinted by permission from the IBO 2002.*

*HL = Higher Level  
SL = Standard Level*

**Theory of Knowledge (TOK):** TOK is an interdisciplinary requirement intended to stimulate critical reflection on knowledge and experience gained inside and outside the classroom. The course challenges students to question the bases of knowledge, to be aware of subjective and ideological biases, and to develop the ability to analyze evidence. TOK is a key element in encouraging students to appreciate other cultural perspectives. The course is unique to International Baccalaureate®, which recommends at least 100 hours of teaching time spanning the program's two years. Diploma candidates are encouraged to reflect on all aspects of their work throughout the program. They examine the grounds for the moral, political, and aesthetic judgments that individuals must make in their daily lives.

**Creativity, Activity, Service (CAS):** The IB's goal is to educate the whole person, to help students become responsible, compassionate citizens. The CAS requirement of one afternoon each week while in the two-year program encourages students to share their energy and special talents with others; students may, for example, participate in theatre or musical productions, sports and community service activities. Students should, through these activities, develop greater awareness of themselves and concern for others, and the ability to work cooperatively with other people.

Creativity is interpreted broadly. It includes a wide range of arts activities but can also be defined as the creativity students show in designing and implementing service projects. Activities can include participation in individual and team sports or fitness activities, taking part in expeditions, and in local or international projects. Service encompasses a host of community and social service activities, such as helping children with special needs, visiting hospitals, and working with refugees or people experiencing homelessness. The goal of the service component is to instill in students a sense of mutual responsibility and learning between members of the community and themselves.

**Extended Essay (4,000 words):** Each student has the opportunity to investigate a topic of special interest. The research-based essay requirement acquaints diploma candidates with the kind of independent research and writing skills expected by universities. The IB recommends that a student devote a total of about 40 hours of private study and writing time to the essay, which may be written in English, French, or Spanish. The essay permits students to deepen their programs of study, for example by selecting a topic in one of their higher level (HL) courses; they might add breadth to their academic experience by electing to write in a subject not included in their program choices.

**Assessment and Award of Diploma:** Classroom teachers and IB DP examiners work in partnership to ensure that students have ample opportunity to demonstrate what they have learned. Responsibility for all academic judgments about the quality of candidates' work rests with some 4,000 IB teachers/examiners around the world, led by chief examiners with international authority in their fields. Over 100,000 students annually are assessed by the IBO. Each year approximately 80% of candidates who attempt the diploma succeed in earning it worldwide.

All IB Diploma candidates are required to test in one subject from each of the six groups. Students are responsible for paying the cost of the IB exams. The cost is updated annually by the International Baccalaureate® Organization. In an effort to eliminate a potential financial barrier for students, the MPS Foundation continues their commitment to paying the IB exam fees for students qualifying for the Free and Reduced Price Meals Program.

All students will take three courses at Standard Level and three at the Higher Level. Each examined subject is graded on a scale of 1 (minimum) to 7 (maximum). The award of the Diploma requires a minimum total of 24 points and the successful completion of three additional core requirements: the **Extended Essay, Theory of Knowledge (TOK), and Creativity, Activity, Service (CAS)**. Up to 3 additional Diploma Points may be awarded for an Extended Essay or Theory of Knowledge essay above the minimum acceptable passing grade. A final, official IB transcript will be sent by the International Baccalaureate® following the grade awarding and upon the request of the student. Results are available in July for May session candidates. Students also must satisfy the Millard School District Graduation Requirements to receive the Millard North High School diploma.

Students wanting to pursue the IB Diploma Programme are encouraged to begin the study of a world language at an Honors level. It is also preferable to have completed Algebra and/or Geometry by the end of eighth grade. Where there is no comparable AP course, students not in the Diploma Programme may register for unique IB DP courses: IB Film, TOK I and II, IB Early Modern World History SL/HL I, and Visual Arts. External IB examination would not be permitted for such students.

Meetings for interested parents and students are held in January. Applications are due by mid-February of the student's 8<sup>th</sup> grade year. For further information about the IB Diploma Programme, contact the International Baccalaureate® Diploma Coordinator at (402) 715-1226.

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# INTERNATIONAL BACCALAUREATE® DIPLOMA PROGRAMME

INTERNATIONAL BACCALAUREATE® DIPLOMA PROGRAMME			
Location: Millard North High School only			
Course #	Course Name	Credits	Grad Requirement
0016 A/B	IB English: Literature HL I	10	
0017 A/B	IB English: Literature HL II	10	
0140 A/B	IB French SL I	10	
0141 A/B	IB French SL II	10	
0120 A/B	IB German SL I	10	
0121 A/B	IB German SL II	10	
0161 A/B	IB Latin SL I	10	
0174 A/B	IB Latin SL II	10	
0160 A/B	IB Spanish SL I	10	
0173 A/B	IB Spanish SL II	10	
0171 A/B	IB Spanish A HL II	10	
0553 A/B	IB Business Management SL	10	
0554 A/B	IB Business Management HL I	10	
0555 A/B	IB Business Management HL II	10	
0266 A/B	IB Computer Science HL I	10	
0267 A/B	IB Computer Science HL II	10	
MA66 A/B	IB Mathematics Analysis & Approaches HL I	10	
MA68 A/B	IB Mathematics Analysis & Approaches HL II	10	
MA70 A/B	IB Mathematics Applications & Interpretations HL I	10	
MA72 A/B	IB Mathematics Applications & Interpretations HL II	10	
0371 A/B	IB Chemistry HL I	10	
0372 A/B	IB Chemistry HL II	10	
0375 A/B	IB Biology SL	10	
0376 A/B	IB Biology HL I	10	
0378 A/B	IB Biology HL II	10	
0380 A/B	IB Physics SL	10	
0381 A/B	IB Physics HL I	10	
0382 A/B	IB Physics HL II	10	
0458 A/B	IB Early Modern World History SL/HL I	10	
0433 A/B	IB Psychology SL	10	
0455 A/B	IB History of the Americas HL II	10	
0727 A/B	IB Visual Arts SL	10	
0728 A/B	IB Visual Arts HL I	10	F
0729 A/B	IB Visual Arts HL II	10	
0767 A/B	IB Music SL Band	10	F
0769 A/B	IB Music SL Orchestra	10	F
0850	IB Theory of Knowledge I	5	HR
0851	IB Theory of Knowledge II	5	
0073 A/B	IB Film SL	10	
0074 A/B	IB Film HL I	10	
0075 A/B	IB Film HL II	10	

F = Fulfills Fine and Performing Arts Graduation Requirement  
 HR = Fulfills Human Resources Graduation Requirement

**0850 IB THEORY OF KNOWLEDGE I****11 North only**

5 Credits

**Description:** The Theory of Knowledge course is a required component of all International Baccalaureate® Programme diploma candidates and is an elective course for students not working toward an IB diploma. The course may be seen as a matrix in which the distinct forms of knowledge specific to the various subject areas can be critically evaluated, compared and contrasted, and, to an appropriate degree, integrated. The Theory of Knowledge course is intended to encourage students to develop a critical awareness of what they and others know through analyzing concepts, arguments and the basis of value judgments. The course is taught as a two-year sequence beginning in the junior year. TOK I will satisfy the 5 credit Human Resources requirement in 11<sup>th</sup> grade.

**Prerequisites:** None

**0851 IB THEORY OF KNOWLEDGE II****12 North only**

5 Credits

**Description:** This course is the second year of a required component of the International Baccalaureate® Programme. It is a continuation and expansion of the TOK curriculum taught in the 11<sup>th</sup> grade. The course includes an oral project as the internal IB assessment and culminates with the TOK Essay as the external assessment. TOK II is five credits of electives in 12<sup>th</sup> grade.

**Prerequisites:** IB Theory of Knowledge I

## Millard North High School IB Exams Offered and Course Completion Sequence

PROJECTED IB DP EXAM	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>Group 1 - Language A1</b>				
English HL - Literature	Honors English 9	Honors English 10	IB English: Literature HL I	IB English: Literature HL II
<b>Group 2 - Language B</b>				
French SL	Honors French I	Honors French II	Honors French III	IB/AP French SL
German SL	Honors German I	Honors German II	Honors German III	IB/AP German SL
Latin SL	Honors Latin I	Honors Latin II	Honors Latin III	IB/AP Latin SL
Spanish SL	Honors Spanish I	Honors Spanish II	Honors Spanish III	IB Spanish SL
<b>Group 3 – Individuals and Society</b>				
IB Business Management SL/HL			IB Business Management SL/HL I	IB Business Management HL II
IB Early Modern World History SL/HL I	World Geography or AP Human Geography	World History or AP World History	IB Early Modern World History SL/HL I	U.S. History or AP U.S. History <b>and</b> U.S. Government and Economics or AP U.S. Government and Politics
History of the Americas HL	World Geography or AP Human Geography	World History or AP World History	IB Early Modern World History SL	IB History of Americas HL II <b>and</b> U.S. Government and Economics or AP U.S. Government and Politics
Psychology SL	World Geography or AP Human Geography	World History or AP World History	IB Psychology SL	U.S. History or AP U.S. History <b>and</b> U.S. Government and Economics or AP U.S. Government and Politics
<b>Group 4 - Experimental Sciences</b>	<b>9<sup>th</sup> Grade</b>	<b>10<sup>th</sup> Grade</b>	<b>11<sup>th</sup> Grade</b>	<b>12<sup>th</sup> Grade</b>
Biology SL	<b>Biology</b>	<b>Chemistry</b>	<b>Physics</b>	<b>Biology SL</b>
	<b>Biology</b>	<b>Chemistry</b> <b>Physics</b>	<b>Biology SL</b>	
	Biology	P.Science Chem/P.Science Physics	Biology SL	
Biology HL	Biology	Chemistry Physics	Biology HL I	Biology HL II
Chemistry HL	<b>Biology</b>	<b>Chemistry</b> <b>Physics</b>	<b>Chemistry HL I</b>	<b>Chemistry HL II</b>
	Biology	Physics Introduction to IB Chemistry (semester)	Chemistry HL I	Chemistry HL II

Preferred sequences in bold

## Millard North High School IB Exams Offered and Course Completion Sequence

Group 4 - Experimental Sciences (cont.)	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Physics SL	<b>Biology</b>	<b>Chemistry</b>	<b>Physics</b>	<b>Physics SL</b>
	<b>Biology</b>	<b>Chemistry</b> <b>Physics</b>	<b>Physics SL</b>	
	Biology	Chemistry	Introduction to IB Physics (semester)	Physics SL
Physics HL	<b>Biology</b>	<b>Chemistry</b> <b>Physics</b>	<b>Physics HL I</b>	<b>Physics HL II</b>
	Biology	Chemistry Intro to IB Physics (semester)	Physics HL I	Physics HL II
Computer Science HL		<b>Computer Science Programming</b> <b>AP Computer Science Principles</b>	<b>Computer Science HL I</b>	<b>Computer Science HL II</b>
<b>Group 5 - Mathematics</b>				
Mathematics Applications and Interpretations SL	<b>Geometry</b>	<b>Algebra II</b>	<b>IB Mathematics Applications and Interpretations SL</b>	<b>Elective</b>
	Algebra I Geometry	Geometry Algebra II	Algebra II Precalculus	IB Mathematics Applications and Interpretations SL
	Geometry 1 AND Geometry 2	Algebra 3 AND Algebra 4: Probability & Statistics	IB Mathematics Applications and Interpretations SL	Elective
	Algebra 2 AND Geometry 2	Algebra 3 AND Algebra 4: Probability & Statistics	IB Mathematics Applications and Interpretations SL	Elective
	Algebra 1 AND Geometry 1	Algebra 2 AND Geometry 2	Algebra 3 AND Algebra 4: Probability & Statistics	IB Mathematics Applications and Interpretations SL
	Algebra 1 AND Geometry 1	Honors Algebra 2 AND Honors Geometry 2	Precalculus OR Hon PreCalc OR AP Precalculus	IB Mathematics Applications and Interpretations SL
	Algebra 2 AND Geometry 2	Algebra 3 AND Algebra 4: Probability & Statistics	Precalculus OR Hon PreCalc OR AP Precalculus	IB Mathematics Applications and Interpretations SL
Honors Algebra 2 AND Honors Geometry 2	Honors Algebra 3 AND Algebra 4: Probability & Statistics	Precalculus OR Hon Precalc OR AP Precalculus	IB Mathematics Applications and Interpretations SL	
Mathematics Applications and Interpretations HL	<b>Honors Algebra II</b>	<b>Honors Precalculus</b>	<b>IB Mathematics Applications and Interpretations HL I</b>	<b>IB Mathematics Applications and Interpretations HL II</b>
	Honors Algebra 3 AND Algebra 4: Probability & Stats	Honors Precalculus OR AP Precalculus	IB Mathematics Applications and Interpretations HL I	IB Mathematics Applications and Interpretations HL II
Mathematics Analysis and Approaches HL	<b>Honors Algebra II</b>	<b>Honors Precalculus</b>	<b>IB Mathematics Analysis and Approaches HL I</b>	<b>IB Mathematics Analysis and Approaches HL II</b>
	Honors Algebra 3 AND Algebra 4: Probability & Stats	Honors Precalculus OR AP Precalculus	IB Mathematics Analysis and Approaches HL I	IB Mathematics Analysis and Approaches HL II

<b>Group 6 – Arts &amp; Electives</b>				
Visual Arts SL Visual Arts HL	Intro to 2D Art /Elective Intro to 2D Art /Elective	Drawing, Painting, Digital & Graphic Arts	IB Visual Arts SL IB Visual Arts HL I	Elective IB Visual Arts HL II
Film SL			IB Film SL/HL I	IB Elective
Film HL			IB Film SL/HL I	IB Film HL II
Music SL	Any Band or Orchestra	Any Band or Orchestra	IB Music SL Any Band or Orchestra (one class period)	Any Band, Orchestra or Elective
Latin SL Psychology SL A second science from Group 4 (SL or HL)	Honors Latin I	Honors Latin II	Honors Latin III IB Psychology SL IB Biology SL/HL I IB Physics SL, Chemistry HL I	IB Latin SL Elective IB Biology HL II IB Chemistry HL II or IB Physics HL II
<b>IB DP Core Requirements</b>				
Theory of Knowledge			Elective (1 <sup>st</sup> semester) IB TOK I (2 <sup>nd</sup> semester)	IB TOK II (1 <sup>st</sup> semester) US Govt. & Econ. (2 <sup>nd</sup> semester) or AP U.S. Government & Politics
Extended Essay (not a course)			Extended Essay	Complete Extended Essay (2 <sup>nd</sup> semester)
CAS (not a course)			CAS hours one afternoon per week	

**Preferred sequences in bold**

Name \_\_\_\_\_ Graduation Year \_\_\_\_\_ MYP \_\_\_\_\_ YES \_\_\_\_\_ NO \_\_\_\_\_

**INTERNATIONAL BACCALAUREATE® FOUR YEAR PLAN**

<b>IB Group/Course</b>	<b>9<sup>th</sup> grade</b>	<b>10<sup>th</sup> grade</b>	<b>11<sup>th</sup> grade</b>	<b>12<sup>th</sup> grade</b>
Group I: Language A	1. Hon English 9	1. Hon English 10	1. IB English: Lit HL I	1. IB English: Lit HL II
Group II: Language B	2.	2.	2.	2. IB SL
Group III: Individuals & Societies	3.	3.	3.	3.
Group IV: Experimental Sciences	4. Biology	4.	4.	4.
Group V: Mathematics new courses to consider	5.	5.	5.	5.
Group VI: Arts and Electives	6.	6.	6.	6.
	7.	7.	7. Sem. 1: Sem. 2: TOK	7. Sem. 1: TOK Sem. 2: US Gov't
<b>Zero Hour</b> <i>These courses are not guaranteed to be offered, and students may take only a zero or eighth hour class.</i>				
<b>Eighth Hour</b> <i>These courses are not guaranteed to be offered, and students may take only a zero or eighth hour class.</i>				
<b>Summer School</b> <i>These courses are not guaranteed to be offered or open for enrollment.</i>				
<b>Alternate Courses</b>				

**NOTES/COMMENTS:**

- Theory Of Knowledge (TOK) is a Human Resources class
- Remember to include other graduation requirements:  
     3 semesters of PE  
     Healthy Living  
     Fine and Performing Arts  
     Personal Finance

Technology Education



## OTHER OPPORTUNITIES

OTHER OPPORTUNITIES			
Course #	Course Name	Credits	Location
PD80	Academic Seminar	5	ALL HS
PD85	Academic Seminar Leadership	5	ALL HS
	ACT® Prep Workshop	0	ALL HS
	Independent Study Courses	5 or 10	NHS, SHS, WHS
YBC02 A/B	Intern Omaha Experience	10	NHS, SHS
UNMC1-15	UNMS High School Alliance	40	NHS, SHS, WHS
	Zoo Academy	45	NHS, SHS, WHS

### PD80 ACADEMIC SEMINAR

9-12

5 Credits

**Description:** This elective course is for motivated students who want the challenge of a rigorous course and are concerned about taking an academic risk. Academic Seminar provides the opportunity to refine work habits and attitudes necessary for success while enrolled in a course that is the student's personal academic stretch. The course will focus on strengthening and applying critical reading, vocabulary, writing, and mathematical reasoning while improving organization, time management, and study skills, developing test taking skills and strategies, and practicing effective decision making and self-advocacy strategies. Students will diagnose their individual needs while setting, measuring, and attaining S.M.A.R.T. goals related to academic improvement. The course includes customized support and advisement from instructors and peer tutors. Along with external support, the student will self-monitor work habits and academic progress in all courses.

**Prerequisites:** None

### PD85 ACADEMIC SEMINAR LEADERSHIP

10-12

5 Credits

**Description:** This elective course provides an opportunity for students to apply the Millard Public Schools College and Career Readiness Standards and Indicators by refining leadership characteristics, problem solving skills, communication skills, and abilities needed to assist fellow students in their personal academic success. Student leaders will apply their learning while serving as mentors within the Academic Seminar course. Student leaders will be trained and assessed on the application of ethics and professionalism in the classroom and facilitation skills and strategies applicable to individual and small group leadership. Student leaders serve as active peer models and tutors while having a direct, positive impact on the academic and personal development of others.

**Prerequisites:** An application process to be completed through the High School Guidance Office. Participation in this course is limited to one time.

### ACT® PREP WORKSHOP (before/after school and/or summer school)

Not for credit

**Description:** Students will review test-taking skills for the ACT® by applying strategies required for successful completion of this test. The workshop does not take the place of academic preparation gained through high school courses. Through focused instruction, practice with actual test items, and independent activities, students diagnose their individual needs and implement plans to improve their immediate scores and enhance academic performance in high school and in college. The workshop will include a timed practice section of each area of the test, test-taking strategies, review of all test instructions, timing techniques, avoidance of common errors, and development of positive thinking.

### YBC02 INTERN OMAHA EXPERIENCE

12

10 Credits

**Description:** Intern Omaha Youth Business and Community Partnership is leading the charge in workforce development efforts at the high school level by connecting high school seniors to internships with some of the city's best employers in the business, IT, trades, and automotive fields.

**Prerequisites:** Participation in the Avenue Scholars program.

**UNMC1-15 UNMC HIGH SCHOOL ALLIANCE****11-12**

40 Credits

**Description:** Millard Public Schools will participate in a partnership with the University of Nebraska Medical Center (UNMC) to offer science classes to high school juniors and seniors selected to participate in the UNMC High School Alliance. The Alliance will provide students with the opportunity to observe, shadow, and work alongside health care professionals and researchers at UNMC. Students who are interested in pursuing a career in health care research should consider applying to the UNMC Alliance. The Alliance students will take classes that are not available in the traditional high school setting. These accredited classes will be taught in partnership by UNMC faculty and certified high school teachers on the UNMC campus. Students will attend their Millard high school in the morning and would then travel to UNMC for their Alliance classes in the afternoon. Participation in the UNMC High School Alliance requires a one year commitment. Participants will earn 20 credits per semester toward Millard high school graduation.

Eligibility:

- Be a current sophomore or junior to apply for the following school year
- Be at least 16 years of age at the beginning of the upcoming school year
- Have completed and received a grade of "B" or better in Algebra I, Biology, a physical science course, and a third year of science (juniors can be currently enrolled in their third year of science)
- Obtain parental/guardian permission
- Be enrolled in a participating high school for the entire school year
- Be on track for graduation
- Students will be responsible for transportation to UNMC

Submit an application by the deadline. The deadline varies from year to year, contact your school guidance office for the most up-to-date information on applications. See the UNMC Health Science Alliance website for additional information: <http://www.unmc.edu/alliance/>

**ZOO ACADEMY****11-12**

45 Credits

**Description:** Millard Public Schools will participate in a partnership with the Henry Doorly Zoo and Aquarium to offer classes to high school juniors and seniors selected to participate in the Zoo Academy along with students from other local school districts. The Academy will provide students with the opportunity to observe, shadow and work alongside zoo professionals and researchers. Students who are interested in pursuing a career in animal science or conservation should consider applying to the Zoo Academy. Participants in the Zoo Academy may select either an Animal Science Pathway or a Conservation Research Pathway. The Zoo Academy students will take classes that are not available in the traditional high school setting. These accredited classes will be taught by certified high school teachers at the Henry Doorly Zoo. Zoo Academy students attend their Millard high school half of their school day and travel to the Zoo for the remaining half day. Participation in the Zoo Academy requires a two year commitment. Participants will earn 22.5 credits per semester toward Millard high school graduation.

Eligibility:

- Be a current sophomore to apply
- Be on-track for graduation and enrolled in your assigned high school for the entire school year
- Have parental consent for participation
- Students will be responsible for transportation to the Henry Doorly Zoo

Additional information can be found at [www.Omahazoo.com/ZooAcademy](http://www.Omahazoo.com/ZooAcademy)

**Prerequisites:** Submit an application online. Deadline varies by year, check with your schools counseling office for deadline for the current year.

**INDEPENDENT STUDY COURSES**

5 or 10 Credits

**Description:** Students will be required to meet with a coordinating independent study teacher for a block of time on a daily basis. Students must complete a minimum of 80 hours contact time to earn 5 credits and 160 contact hours for 10 credits. Independent studies can only be taken for course work that exceeds the sequence of course offerings and other elective courses within the discipline. Independent studies count toward elective credit only.

Teachers work with students on independent studies voluntarily as an extra part of their workload. The student and teacher must mutually agree upon the requirements and expectations for granting of credit. The student and teacher must create a contract that they both sign including the meeting times, learning expectations, and outcomes. This contract should be presented to and approved by the Assistant Principal for Curriculum and Instruction. Once this contract has been approved, the student should register for the independent study with the building registrar. No more than 10 credits may be earned through Independent Study.

**TRANSFER CREDIT COURSES for Students Currently Enrolled**

**Description:** Millard Public Schools high school students may earn transfer credit from other institutions as defined in Board of Education Rule 6320.4. Transfer credits are defined as any credit not earned at a Millard Public Schools high school. Millard Public Schools reserves the sole right to grant credit for work completed at or through other institutions. Courses must be pre-approved. Students must complete a *Millard Public Schools Transfer Credit Application* and submit to their high school registrar for consideration.

## ACADEMIES AT METROPOLITAN COMMUNITY COLLEGE

ACADEMIES AT METROPOLITAN COMMUNITY COLLEGE		
These academics are located at a Metropolitan Community College Campus		
Course #	Course Name	Credits
MCC01 A/B/C	3-D Animation and Games	15
MCC02 A/B/C	Administrative Technology	15
MCC06 A/B/C	Advanced Manufacturing - Year 1	10
MCC43 A/B/C	Advanced Manufacturing - Year 2	10
MCC04 A/B/C	Architecture Technology	15
MCC18 A/B/C	Automotive Collision Technology - Year 1	10
MCC35 A/B/C	Automotive Collision Technology - Year 2	10
MCC19 A/B/C	Automotive Technology	10
MCC45 A/B/C	Business - Year 1	15
MCC46 A/B/C	Business - Year 2	15
MCC28 A/B/C	Certified Nursing Assistant (CNA)	10
MCC05 A/B/C	Civil Engineering Technology	15
MCC14 A/B/C	Construction Technology - Year 1	15
MCC15 A/B/C	Construction Technology - Year 2	15
MCC22 A/B/C	Criminal Justice	15
MCC39 A/B/C	Culinary Arts Foundations	10
MCC47 A/B/C	Data Science	15
MCC24 A/B/C	Diesel Technology - Year 1	10
MCC36 A/B/C	Diesel Technology - Year 2	10
MCC27 A/B/C	Digital Cinema and Filmmaking	10
MCC07 A/B/C	Early Childhood Education	15
MCC23 A/B/C	Electrical Technology - Year 1	15
MCC37 A/B/C	Electrical Technology - Year 2	10
MCC29 A/B/C	Emergency Medical Technician (EMT)	15
MCC32 A/B/C	Fire Science Technology - Year 1	10
MCC33 A/B/C	Fire Science Technology - Year 2	10
MCC08 A/B/C	Heating, Air Conditioning & Refrigeration (HVAC) - Yr 1	10
MCC09 A/B/C	Heating, Air Conditioning & Refrigeration (HVAC) - Yr 2	10
MCC21 A/B/C	Horticulture, Land Systems and Management	10
MCC38 A/B/C	Horticulture, Land Systems and Management	10
MCC48 A/B/C	Human Services	15
MCC11 A/B/C	IT Technician - Cyber Security - Year 1	15
MCC44 A/B/C	IT Technician - Cyber Security - Year 2	15
MCC49 A/B/C	Photography	10
MCC50 A/B/C	Powersports and Outdoor Power Equipment Technician	15
MCC31 A/B/C	Pre-Apprenticeship Plumbing	15
MCC12 A/B/C	Prototype Design	15
MCC16 A/B/C	Theatre Technology - Year 1	20
MCC17 A/B/C	Theatre Technology - Year 2	20
MCC40 A/B/C	Web and Mobile App Programming - Year 1	15
MCC41 A/B/C	Web and Mobile App Programming - Year 2	15
MCC25 A/B/C	Welding and Fabrication - Year 1	10
MCC26 A/B/C	Welding and Fabrication - Year 2	10

## METROPOLITAN COMMUNITY COLLEGE (MCC) Academics

These academies are available to all Millard high school students and are located at a Metropolitan Community College campus.

Course descriptions can be found online at the Metropolitan Community College Career Academies website.  
<https://www.mccneb.edu/Prospective-Students/Start-Here/Enrollment-FAQ/Secondary-Partnerships/Career-Academy>

### MCC Academies for Dual Credit

Students may earn college credit by completing a Metropolitan Community College Academy. Students who meet the following conditions are eligible to participate in an academy:

- Be a high school junior or senior
- Be 16 years old
- Have transportation to and from classes and internship/apprenticeship site
- Complete an application and be selected to participate (See counselor for application)
- Pay MCC tuition -- current tuition is free for the 24-25 school year. Fees and equipment costs are the responsibility of students.

### MCC01 3-D ANIMATION AND GAMES

11-12

15 Credits

**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Elkhorn Valley Campus. Students create models, characters, and imaginative spaces that are the foundation of 3D in games, real-time simulations, and the film industry. These skills also apply to marketing, web design, architecture, and social media. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

**Prerequisites:** Approved application and interview. Contact your counselor for more information.

### MCC02 ADMINISTRATIVE TECHNOLOGY

11-12

15 Credits

**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Sarpy Center. This program is designed for students wanting to enter employment in a variety of office and administrative support professions. This certificate provides students the core knowledge and skills needed to successfully perform the job duties in today's rapidly changing business world. Students will take the Microsoft Office Specialist (MOS) certification exams for Word, Excel, and PowerPoint. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

**Prerequisites:** Approved application and interview. Contact your counselor for more information.

### MCC06 ADVANCED MANUFACTURING – YEAR 1

11-12

10 Credits

### MCC43 ADVANCED MANUFACTURING – YEAR 2

12

10 Credits

**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. In this program, students will learn the basics of working with motors, turbines, boilers, furnaces, advance controls, compressors and more. This program can lead students into a career field that spans many industries, including agriculture, nuclear power, power plants, food and beverage, and wastewater treatment facilities. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

**Prerequisites:** Approved application and interview. Contact your counselor for more information.

### MCC04 ARCHITECTURE TECHNOLOGY

12

15 Credits

**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. Students learn classical drafting techniques, the art and language of architecture, the design process, how methods and materials shape buildings, the relationship between structural types, space usage and how architecture reflects the culture for which it is built. Students have the opportunity to apply these fundamentals, along with the latest architectural software principles and techniques to hands-on lab projects. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

**Prerequisites:** Approved application and interview. Contact your counselor for more information.

### MCC18 AUTOMOTIVE COLLISION TECHNOLOGY - YEAR 1

11-12

10 Credits

### MCC35 AUTOMOTIVE COLLISION TECHNOLOGY - YEAR 2

12

10 Credits

**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Applied Technology Center and participate in a paid internship program. Auto collision focuses on many different areas of car repair, including basic and advanced metal finishing, frame repair and alignment, panel replacement, major body repair and autobody painting. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

**Prerequisites:** Approved application and interview. Contact your counselor for more information.

<b>MCC19 AUTOMOTIVE TECHNOLOGY</b>	<b>11-12</b>	10 Credits
<b>Description:</b> This two-year program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC South Omaha Campus. Auto technology focuses on the inner workings of a car. In this program, students will learn about engine repair, transmissions, minor car repairs and more. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.		
<b>Prerequisites:</b> Approved application and interview. Contact your counselor for more information.		
<b>MCC45 BUSINESS - YEAR 1</b>	<b>11-12</b>	10 Credits
<b>MCC46 BUSINESS - YEAR 2</b>	<b>12</b>	10 Credits
<b>Description:</b> This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Sarpy Center Campus (91 <sup>st</sup> & Giles). Business administration includes all aspects of leading people and managing resources. Within a business, administration spans all operational functions including accounting, finance, marketing, management, human resources, law, etc. Business administrations seeks to accomplish the organizational goals and objectives through the efficient and effective utilization of all resources. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.		
<b>Prerequisites:</b> This program is provided through agreement with Metropolitan Community College. Approved application and interview. Contact your counselor for more information.		
<b>MCC28 CERTIFIED NURSING ASSISTANT (CNA)</b>	<b>11-12</b>	10 Credits
<b>Description:</b> This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC South Omaha Campus. The Certified Nursing Assistant course (HLTH 1200) at MCC prepares students to become a vital part of the healthcare world as a CNA. CNA's assistant nurses and doctors with basic nursing tasks related to meeting physical needs and activities of daily living. In order to become state-certified, students must take a state-approved program and pass a state-administered competency evaluation. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.		
<b>Prerequisites:</b> Approved application and interview. Contact your counselor for more information.		
<b>MCC05 CIVIL ENGINEERING TECHNOLOGY</b>	<b>12</b>	15 Credits
<b>Description:</b> This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. Civil engineering technology is one of the broadest fields in engineering because it is involved with many facets of our infrastructure, including roads, bridges, utilities, buildings and water treatment facilities. This program offers training in high-tech subjects and equipment including Global Positioning System satellite surveying and Computer-Aided Design drafting. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.		
<b>Prerequisites:</b> Approved application and interview. Contact your counselor for more information.		
<b>MCC14 CONSTRUCTION TECHNOLOGY - YEAR 1</b>	<b>11-12</b>	15 Credits
<b>MCC15 CONSTRUCTION TECHNOLOGY - YEAR 2</b>	<b>12</b>	15 Credits
<b>Description:</b> This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. The Construction and Building Science (CNST) program offers students degree and certificate choices in the field of construction. Areas of focus include, concrete/masonry, general, residential, management, remodeling and finish/cabinetry. Students gain practical experience in a lab setting, applying their skills to real-world situations. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.		
<b>Prerequisites:</b> Approved application and interview. Contact your counselor for more information.		
<b>MCC22 CRIMINAL JUSTICE</b>	<b>12</b>	15 Credits
<b>Description:</b> This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Sarpy Center Campus. MCC's Criminal Justice Program offers an Associate of Applied Science degree in Criminal Justice with Corrections or Law Enforcement options. The degree prepares students to directly enter the workforce in a career field of their choice (law enforcement, courts, corrections). It also satisfies most of the requirements for transfer to four-year institutions offering a bachelor's degree in criminal justice. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.		
<b>Prerequisites:</b> Approved application and interview. Contact your counselor for information.		

<b>MCC39 CULINARY ARTS FOUNDATIONS</b>	<b>11-12</b>	10 Credits
<b>Description:</b> This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. The Culinary and Hospitality program at MCC consists of two programs: Culinary Arts & Management and Hospitality & Restaurant Leadership. For those on the Culinary Arts track, students will learn the foundational steps of becoming a professional chef or baker. Hands-on experience takes place in a state-of-the-art, amazing facility, the MCC Institute for the Culinary Arts. Students in the Hospitality and Restaurant Leadership program are prepared to become leaders and managers within the food service industry, or successfully begin their own hospitality business such as event planning. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.		
<b>Prerequisites:</b> Approved application and interview. Contact your counselor for information.		
<b>MCC47 DATA SCIENCE</b>	<b>11-12</b>	10 Credits
<b>Description:</b> This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. The Data Science Career Certificate is a level I certificate and is designed for the student who wishes to develop a working knowledge of gathering, managing, interpreting and storytelling with data in our modern world. As large collections of complex data become more commonly leveraged as a driving force in business decision-making, careers in data science, reporting and analytics are in demand! This certificate prepares students for entry level work in data analytics and reporting. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.		
<b>Prerequisites:</b> Approved application and interview. Contact your counselor for information.		
<b>MCC24 DIESEL TECHNOLOGY - YEAR 1</b>	<b>11-12</b>	10 Credits
<b>MCC36 DIESEL TECHNOLOGY - YEAR 2</b>	<b>12</b>	10 Credits
<b>Description:</b> This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Applied Technology Center and participate in a paid internship program. Diesel mechanics ensure that everything is working the way it should on diesel engines in trucks, trains, buses and more. In this program, students become experts at compression ignited internal combustion engines and their variations, shop safety, shop operations, brakes, drive trains, suspension, steering, electrical/electronic systems and more. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.		
<b>Prerequisites:</b> Approved application and interview. Contact your counselor for more information.		
<b>MCC27 DIGITAL CINEMA AND FILMMAKING</b>	<b>11-12</b>	10 Credits
<b>Description:</b> This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Elkhorn Valley Campus. The Video/Audio Communication Arts program (VACA) at MCC teaches the production process for television, films, commercials and other media productions. Students learn to use professional cameras in the field and the studio, as well as recording professional audio, script writing and editing visual and sound using industry standard professional tools and software. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.		
<b>Prerequisites:</b> Approved application and interview. Contact your counselor for information.		
<b>MCC07 EARLY CHILDHOOD EDUCATION</b>	<b>12</b>	15 Credits
<b>Description:</b> This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Learning Center. The MCC Early Childhood Education program prepares students to become teacher assistants, childcare workers, social workers and more. Students in this program learn how to support child academically and socially at a young age, best practices for working with children and families and being a positive role model for children. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.		
<b>Prerequisites:</b> Approved application and interview. Contact your counselor for more information.		
<b>MCC23 ELECTRICAL TECHNOLOGY - YEAR 1</b>	<b>11-12</b>	15 Credits
<b>MCC37 ELECTRICAL TECHNOLOGY - YEAR 2</b>	<b>12</b>	10 Credits
<b>Description:</b> This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. The Electrical Technology (ELTR) program provides education and training for students seeking a career in the electrical field. Students entering this program will study electrical systems in residential, commercial wiring and industrial motor controls. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.		
<b>Prerequisites:</b> Approved application and interview. Contact your counselor for information.		

**MCC29 EMERGENCY MEDICAL TECHNICIAN (EMT)** 12 15 Credits  
**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the South Omaha Campus. The Paramedicine program at MCC prepares students interested in helping those in need on the front lines. Emergency medical technicians and paramedics are the first responders to medical emergencies. Students in the program learn important criteria for becoming an EMT, including CPR, open water dive and rescue, prehospital trauma life support, critical care and more. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.  
**Prerequisites:** Approved application and interview. Contact your counselor for information.

**MCC32 FIRE SCIENCE TECHNOLOGY - YEAR 1** 11-12 10 Credits  
**MCC33 FIRE SCIENCE TECHNOLOGY - YEAR 2** 12 10 Credits  
**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the Applied Technology Campus. Fire Science Technology students will receive hands-on education about fire safety, fire prevention, first aid, providing public education, utility emergencies and more. They must be physically fit and ready to interact with people in a crisis. Students will gain the knowledge to become an effective and skilled first responder. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.  
**Prerequisites:** Approved application and interview. Contact your counselor for information.

**MCC08 HEATING, AIR CONDITIONING, & REFRIGERATION (HVAC) - YEAR 1** 11-12 10 Credits  
**MCC09 HEATING, AIR CONDITIONING, & REFRIGERATION (HVAC) - YEAR 2** 12 10 Credits  
**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. The Heating, Air Conditioning and Refrigeration (HVAC) program covers all aspects of installing, troubleshooting and servicing heating, ventilating and air conditioning and refrigeration systems. This program combines class work with realistic hands-on lab experiences to prepare students for career opportunities as repair persons, business owners, wholesalers and in residential sales. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.  
**Prerequisites:** Approved application and interview. Contact your counselor for more information.

**MCC21 HORTICULTURE, LAND SYSTEMS AND MANAGEMENT - YEAR 1** 11-12 10 Credits  
**MCC38 HORTICULTURE, LAND SYSTEMS AND MANAGEMENT - YEAR 2** 12 10 Credits  
**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. The Horticulture, Land Systems and Management program at MCC enhances knowledge of proper plant care, structure and functions while meeting current industry needs and evaluation of environmental impact of choices made. Students will learn the knowledge and skills needed for caring for different plant species, landscaping techniques, greenhouse maintenance and other plant care knowledge for produce, trees and more. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.  
**Prerequisites:** Approved application and interview. Contact your counselor for more information.

**MCC48 HUMAN SERVICES** 11-12 15 Credits  
**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Sarpy Center Campus (91<sup>st</sup> & Giles). The Human Services program at MCC prepares students for entry-level positions in public and private community agencies and institutions involved with helping others in need. The program prepares students to work with homeless populations, in rehabilitation and treatment facilities, family and children organizations and mental health agencies. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.  
**Prerequisites:** Approved application and interview. Contact your counselor for more information.

**MCC11 IT TECHNICIAN - CYBER SECURITY - YEAR 1** 11-12 15 Credits  
**MCC44 IT TECHNICIAN - CYBER SECURITY - YEAR 2** 12 15 Credits  
**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. The certificate's curriculum directly aligns to the following IT industry certifications: CompTIA IT Fundamentals+, CompTIA A+, Microsoft Desktop Associate (MDA), and Cisco Advanced Networking (CCNA). Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.  
**Prerequisites:** Approved application and interview. Contact your counselor for more information.



**MCC49 PHOTOGRAPHY** 11-12 15 Credits  
**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. The Photography program (PHOT) at MCC teaches how to solve photographic problems through the skillful use of camera, lighting, laboratory and electronic techniques. Included are experiences in commercial, general and digital photography. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.  
**Prerequisites:** Approved application and interview. Contact your counselor for information.

**MCC50 POWERSPORTS AND OUTDOOR POWER EQUIPMENT TECHNICIAN** 11-12 15 Credits  
**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC South Omaha Campus. Students will complete courses in basic engine principles, powersports fuel systems, powersports electrical systems, and outdoor power equipment. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.  
**Prerequisites:** Approved application and interview. Contact your counselor for information.

**MCC31 PRE-APPRENTICESHIP PLUMBING** 11-12 15 Credits  
**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. The Plumbing Apprenticeship program prepares students to become licensed plumbers. All program instructors are licensed journeyman or master plumbers, and courses include lecture and hands-on lab instruction. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.  
**Prerequisites:** Approved application and interview. Contact your counselor for information.

**MCC12 PROTOTYPE DESIGN** 11-12 15 Credits  
**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. The Prototype Design Degree Program is a multidisciplinary associates degree program that builds productivity, collaboration, and innovative technology skills that span across industries. Students receive hands-on, project-based learning with state-of-the-art fabrication technology and often work side-by-side with industry and MCC's Corporate Partners to receive and complete course assignments. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.  
**Prerequisites:** Approved application and interview. Contact your counselor for more information.

**MCC16 THEATRE TECHNOLOGY - YEAR 1** 11-12 20 Credits  
**MCC17 THEATRE TECHNOLOGY - YEAR 2** 12 20 Credits  
**Description:** This program is provided through a collaborative agreement with the Omaha Community Playhouse and Metropolitan Community College. The Theatre program (THEA) at MCC teaches a blend of visual arts, design, music, literature, research, physical expression, technology and business. Theatre studies strengthen interpersonal communication and public presentation skills, develop critical thinking and collaborative skills and offer a solid background in interdisciplinary arts, social awareness and appreciation of diverse cultures. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.  
**Prerequisites:** Approved application and interview. Contact your counselor for more information.

**MCC40 WEB AND MOBILE APP PROGRAMMING – YEAR 1** 11-12 15 Credits  
**MCC41 WEB AND MOBILE APP PROGRAMMING – YEAR 2** 12 15 Credits  
**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. These certificates prepare students to successfully manage the World Wide Web environment. Students are provided with a strong technical foundation in developing content for the World Wide Web and any Internet-related support. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.  
**Prerequisites:** Approved application and interview. Contact your counselor for information.

**MCC25 WELDING AND FABRICATION TECHNOLOGY - YEAR 1** 11-12 10 Credits  
**MCC26 WELDING AND FABRICATION TECHNOLOGY - YEAR 2** 12 10 Credits  
**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the Fort Omaha Campus. For students looking to earn an associate degree with the option of either entering the workforce, or continuing onto a four-year institution. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.  
**Prerequisites:** Approved application and interview. Contact counselor for more information.



# Planning Resources



## POST-SECONDARY PLANNING

### PERSONAL LEARNING PLANS

Personal Learning Plans (PLPs) help students understand themselves, develop and meet goals, and document their accomplishments. Students use the Personal Learning Plan (PLP) as a guide to prepare for graduation, post-secondary education, and a career. To be best prepared for college and/or careers, students should challenge themselves in the following ways:

1. Take more than the minimum graduation requirements.
2. Take as many core classes as possible. This is the best preparation for the ACT<sup>®</sup>/SAT<sup>®</sup> test and will also enhance your success in college classes.
3. Take a variety of courses from different subject areas. High school is the time to develop interests and try something new.
4. Take the most challenging classes. Colleges and universities look for students who continue to challenge themselves with higher level courses.
5. Take at least one Advanced Placement<sup>®</sup> course.
6. Enroll in dual enrollment credit courses.

To challenge yourself, take the ACT<sup>®</sup> core, Advanced Placement<sup>®</sup>, and Dual Enrollment courses while also preparing for a career. Many courses enable students to accomplish all of the above. Details about each of these opportunities are identified below.

### ACT<sup>®</sup> SCORES AND CORE CURRICULUM

ACT<sup>®</sup> scores are one of the best predictors of college success. To be well prepared for the ACT<sup>®</sup>, take classes ACT<sup>®</sup> considers core curriculum. The ACT<sup>®</sup> core curriculum consists of the following:

English	4 years or more
Mathematics	3 years or more including Algebra I, Geometry, and Algebra II
Social Studies	3 years or more
Natural Sciences	3 years of science including Biology, Chemistry, and Physics

### FREE APPLICATION FOR FEDERAL STUDENT AID (FAFSA)

To apply for federal student aid, such as federal grants, work-study funds, and loans, students need to complete the *Free Application for Federal Student Aid* (FAFSA<sup>®</sup>) form. Completing and submitting the FAFSA form is free, and it gives students access to the largest source of financial aid to help pay for college or career school.

In addition, many states and colleges use FAFSA information to determine eligibility for state and school aid, and some private financial aid providers may use FAFSA information to determine whether a student qualifies for their aid.

A Millard Public Schools graduation requirement is to submit to the United States Department of Education a Free Application for Federal Student Aid (FAFSA) or complete the required waiver.

## MPS DIPLOMA PATHS OVERVIEW

### CLASS OF 2026

A world-class school district facilitates student goal-setting. Each high school student in the Millard Public Schools will choose a diploma path to pursue during his or her high school years. In addition to the **Regular Diploma**, students may choose from two other diploma paths.

One diploma path, the **Liberal Arts** path, specifically addresses the needs of students who plan to earn a baccalaureate degree after graduation. The second diploma path, the **Specialty** path, focuses on the needs of students who plan to specialize in a particular career field. In the Specialty areas, students must complete an approved sequence of study in a career field. Both paths include incentive categories by which students can achieve a more rigorous diploma by taking more classes and achieving a higher GPA. These incentive categories are labeled "Commended" and "Distinguished". The minimum requirements for the diploma paths and categories are outlined below.

Criteria	Regular	Liberal Arts Commended	Liberal Arts Distinguished	Specialty Commended	Specialty Distinguished
English	35	40	40*	35	35
Mathematics	30	40	40*	30	30
Social Studies	30	30	30*	30	30
Science	30	35	35*	30	30
World Language		20	20*		
Additional Core Credits			40 from any asterisked areas		
Physical Education	15	15	15	15	15
Healthy Living	5	5	5	5	5
Arts	5	5	5	5	5
Human Resources	5	5	5	5	5
Oral Communications	5	5	5	5	5
Financial Literacy	5	5	5	5	5
Required Electives	65	35	5	45	35
Specialty Area				30	50
AP/IB DP Credits (included in total credits)		(20) from any area	(40) from any area		
Total Credits	230	240	250	240	250
GPA		3.0 Overall	3.5 Overall	3.0 in Specialty Area; 2.0 Overall	3.5 in Specialty Area; 2.5 Overall

The Specialty Diploma Path Career Field areas include: **Business, Marketing, and Management** (Business Management & Administration, Finance and Marketing); **Communication and Information Systems** (Business Technology, Computer Science, Digital Design, Journalism, Vocal Music, Instrumental Music, Drama, Oral Communications, Visual Arts); **Health Sciences** (Therapeutic Services and Diagnostic & Research Services); **Human Sciences and Education** (Human Sciences, Education & Training, and Law, Public Safety & Security); **and Skilled and Technical Sciences** (Construction; Business & Logistics; Engineering; Manufacturing; Electrical Technology; Diesel Technology; Automotive Technology; Fire Science Technology; Plumbing).

These diploma paths function as one tool to help students set goals challenging themselves to reach their full potential. It supports the philosophy that the path to graduation begins much earlier than senior year. Determining one's diploma path will begin through completion of the Personal Learning Plan.

To learn which diploma paths are offered at each high school, refer to each school's website.

**Courses offered are subject to availability.**

## MPS DIPLOMA PATHS OVERVIEW

CLASS OF 2027

\*MPS DIPLOMA PATHS WILL END WITH THE CLASS OF 2027

A world-class school district facilitates student goal-setting. Each high school student in the Millard Public Schools will choose a diploma path to pursue during his or her high school years. In addition to the **Regular Diploma**, students may choose from two other diploma paths.

One diploma path, the **Liberal Arts** path, specifically addresses the needs of students who plan to earn a baccalaureate degree after graduation. The second diploma path, the **Specialty** path, focuses on the needs of students who plan to specialize in a particular career field. In the Specialty areas, students must complete an approved sequence of study in a career field. Both paths include incentive categories by which students can achieve a more rigorous diploma by taking more classes and achieving a higher GPA. These incentive categories are labeled "Commended" and "Distinguished". The minimum requirements for the diploma paths and categories are outlined below.

Criteria	Regular	Liberal Arts Commended	Liberal Arts Distinguished	Specialty Commended	Specialty Distinguished
English	35	40	40*	35	35
Mathematics	30	40	40*	30	30
Social Studies	30	30	30*	30	30
Science	30	35	35*	30	30
World Language		20	20*		
Additional Core Credits			40 from any asterisked areas		
Physical Education	15	15	15	15	15
Healthy Living	5	5	5	5	5
Arts	5	5	5	5	5
Human Resources	5	5	5	5	5
Oral Communications	5	5	5	5	5
Financial Literacy	5	5	5	5	5
Technology Education	5	5	5	5	5
Required Electives	60	35	5	45	35
Specialty Area				30	50
AP/IB DP Credits (included in total credits)		(20) from any area	(40) from any area		
Total Credits	230	240	250	240	250
GPA		3.0 Overall	3.5 Overall	3.0 in Specialty Area; 2.0 Overall	3.5 in Specialty Area; 2.5 Overall

The Specialty Diploma Path Career Field areas include: **Business, Marketing, and Management** (Business Management & Administration, Finance and Marketing); **Communication and Information Systems** (Business Technology, Computer Science, Digital Design, Journalism, Vocal Music, Instrumental Music, Drama, Oral Communications, Visual Arts); **Health Sciences** (Therapeutic Services and Diagnostic & Research Services); **Human Sciences and Education** (Human Sciences, Education & Training, and Law, Public Safety & Security); **and Skilled and Technical Sciences** (Construction; Business & Logistics; Engineering; Manufacturing; Electrical Technology; Diesel Technology; Automotive Technology; Fire Science Technology; Plumbing).

These diploma paths function as one tool to help students set goals challenging themselves to reach their full potential. It supports the philosophy that the path to graduation begins much earlier than senior year. Determining one's diploma path will begin through completion of the Personal Learning Plan.

To learn which diploma paths are offered at each high school, refer to each school's website.  
**Courses offered are subject to availability.**

## **SPECIALTY DIPLOMA PATH**

**\*MPS DIPLOMA PATHS WILL END WITH THE CLASS OF 2027**

The Specialty Diploma Path is for students who plan to specialize in the following career fields:

- Business, Marketing, and Management
- Communication and Information Systems: Arts, AV Technology, and Communications
- Health Sciences
- Human Sciences and Education
- Skilled and Technical Sciences

All students must meet the requirements for a regular diploma. The Specialty Diploma recognizes accomplishments over and above the minimum requirements for a regular diploma.

To earn a Specialty Commended Diploma, a student must meet the GPA criteria and complete **30** credits in a career field. These **30** credits must include a sequence of three courses in one of the focus areas in the career field. A Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

To earn a Specialty Distinguished Diploma, a student must meet the GPA criteria and complete **50** credits in a career field. These **50** credits must include a sequence of three courses in one of the focus areas in the career field. A Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

Please refer to the curriculum handbook for course descriptions and an explanation of Metropolitan Community College academies.

**Courses offered are subject to availability.**



## BUSINESS, MARKETING, AND MANAGEMENT SPECIALTY DIPLOMA

\*MPS DIPLOMA PATHS WILL END WITH THE CLASS OF 2027

### Specialty Commended Diploma

To earn a Specialty Commended Diploma, a student must meet the GPA criteria and complete **30** credits in a career field. These **30** credits must include a sequence of three courses in one of the pathways (see chart below). If Personal Finance is taken to fulfill the Financial Literacy graduation requirement, it may be part of the sequence of courses, but is not included in the 30 credits.

- Millard Public Schools Business and Entrepreneurship Career Academy fulfills the sequence requirement.
- The Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

### Specialty Distinguished Diploma

To earn a Specialty Distinguished Diploma, a student must meet the GPA criteria and complete **50** credits in a career field. These **50** credits must include a sequence of three courses in one of the pathways (see chart below). Millard Public Schools Business and Entrepreneurship Career Academy fulfills the sequence requirement.

<b>BUSINESS MANAGEMENT AND ADMINISTRATION PATHWAY</b>	<b>FINANCE PATHWAY</b>	<b>MARKETING PATHWAY</b>
Introduction to Business (5) Entrepreneurship (5) Management and Leadership (5) Business Law and Ethics (5) IB Business Management SL/HL I (10) IB Business Management HL II (10) Millard Public Schools Business and Entrepreneurship Career Academy Business Management Work-Based Learning Experience (5/semester)	Accounting I (5) Accounting II (5) Accounting III (5) AP Macroeconomics (5) AP Microeconomics (5) Managerial Accounting (5) Finance Work-Based Learning Experience (5/semester)	Applied Marketing (10) Digital Marketing (5) Entertainment and Sports Marketing (5) Marketing (10) Marketing Work-Based Learning Experience (5/semester)

**Courses offered are subject to availability.**

## COMMUNICATION AND INFORMATION SYSTEMS SPECIALTY DIPLOMA

**\*MPS DIPLOMA PATHS WILL END WITH THE CLASS OF 2027**

In order to graduate, all students must take a fine and performing arts course.  
The following courses exceed this requirement.

### **Specialty Commended Diploma**

To earn a Specialty Commended Diploma, a student must meet the GPA criteria and complete **30** credits in a career field. These **30** credits must include a sequence of three courses in one of the pathways (see chart below). The course taken to fulfill the fine arts graduation requirement may be part of the sequence of courses, but is not included in the 30 credits.

- The Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

### **Specialty Distinguished Diploma**

To earn a Specialty Distinguished Diploma, a student must meet the GPA criteria and complete **50** credits in a career field. These **50** credits must include a sequence of three courses in one of the pathways (see chart below). The course taken to fulfill the fine arts graduation requirement may be part of the sequence of courses, but is not included in the 50 credits.

- The Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

**ARTS, A/V TECHNOLOGY, AND COMMUNICATION**

**JOURNALISM**

Intro to Journalism, Photojournalism, and Broadcast Journalism (5)  
 Advanced Journalism (10) (repeatable)  
 Yearbook (10) (repeatable)  
 Broadcast Journalism (5) (repeatable)

**\*Courses taken must exceed the English Elective and Oral Communications graduation requirements.**

**To complete the requirement for 30 or 50 credits students may take any of the courses above or the following:**

Creative Writing (5)\*  
 Forensics: Competitive Speech (10)\*  
 Media Analysis (5)\*

**PERFORMING ARTS**

<b>Vocal Music</b>	<b>Instrumental Music</b>	<b>Drama</b>
Concert Choir, Chorale, Singers - 4 semesters  <b>Distinguished Diploma:</b> Introduction to Music Theory (5) AP Music Theory (5), Music Exploration (5) or classes from the Instrumental Music Sequence or Choral Performance Music courses to complete 50 credits  <b>Or</b> AP Music Theory (5) IB Music SL (10) and Music Exploration (5) Digital Music Production/Songwriting (5) or classes from the Instrumental Music Sequence or Choral Performance Music courses to complete 50 credits	ANY Instrumental Ensemble – 6 semesters, (30)  <b>Distinguished Diploma:</b> Introduction to Music Theory (5) AP Music Theory (5), Music Exploration (5) or classes from the Instrumental Music Sequence or Choral Performance Music courses to complete 50 credits  <b>Or</b> AP Music Theory (5) IB Music SL (10) Music Exploration (5) Digital Music Production/Songwriting (5) or classes from the Instrumental Music Sequence or Choral Performance Music courses to complete 50 credits	Theatre and Performance I (5) Theatre and Performance: Advanced Studies (5) Theatre Technology (5)  <b>Or</b> IB Film (10)  <b>Or</b> MCC Theatre Technology Year I Academy  <b>To complete the requirement for 30 or 50 credits students may take any of the courses above or the following:</b>  Theatre Appreciation (5) Forensics: Competitive Speech (10) MCC Theatre Technology Year II Academy

**Courses offered are subject to availability.**

## COMMUNICATION AND INFORMATION SYSTEMS SPECIALTY DIPLOMA

**\*MPS DIPLOMA PATHS WILL END WITH THE CLASS OF 2027**

In order to graduate, all students must take a fine and performing arts course.  
The following courses exceed this requirement.

### **Specialty Commended Diploma**

To earn a Specialty Commended Diploma, a student must meet the GPA criteria and complete **30** credits in a career field. These **30** credits must include a sequence of three courses in one of the pathways (see chart below). The course taken to fulfill the fine arts graduation requirement may be part of the sequence of courses, but is not included in the 30 credits.

- The Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

### **Specialty Distinguished Diploma**

To earn a Specialty Distinguished Diploma, a student must meet the GPA criteria and complete **50** credits in a career field. These **50** credits must include a sequence of three courses in one of the pathways (see chart below). The course taken to fulfill the fine arts graduation requirement may be part of the sequence of courses, but is not included in the 50 credits.

- The Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

**ARTS, A/V TECHNOLOGY, AND COMMUNICATION**

**ORAL COMMUNICATIONS**

Speech (5)  
 Forensics: Competitive Speech (repeatable)  
 Debate (5)  
 Competitive Debate (repeatable)

*\*Courses taken must exceed the Oral Communications graduation requirement.*

**VISUAL ART**

Intro to 2D Art (5)  
 Drawing (5)  
 Advanced 2D Art (5)

**Or**

Intro to 2D Art (5)  
 Painting (5)  
 Advanced 2D Art (5)

**Or**

Intro to 2D Art (5)  
 Digital and Graphic Arts (5)  
 Advanced 2D Art (5)

**Or**

Intro to 3D Art (5)  
 Pottery and Sculpture (5)  
 Advanced Pottery and Sculpture (5)

**Or**

Intro to 2D Art (5)  
 Introduction to IB Visual Arts (10)  
 IB Visual Arts SL (10)

**To complete the requirement for 30 or 50 credits students may take any of the courses above not already taken or any of the following:**

Intro to 2D Art (5)  
 Intro to 3D Art (5)  
 Drawing (5)  
 Painting (5)  
 Art History: Art Through the Ages (5)  
 Digital and Graphic Arts (5)  
 Advanced 2D Art (5)  
 Pottery and Sculpture (5)  
 Advanced Pottery and Sculpture (5)  
 AP Drawing (10)  
 IB Visual Arts HL II (10)  
 IB Visual Arts HL I (10)

**COMMUNICATION AND INFORMATION SYSTEMS**

**BUSINESS TECHNOLOGY**

**COMPUTER SCIENCE**

**DIGITAL DESIGN**

Business Technologies (5)\*  
 Emerging Technologies (5)\*  
**To complete the requirement for 30 or 50 credits students may take any of the courses in the Communication and Information Systems pathways.**

Computer Science Programming (5)\*  
 AP Computer Science A (10)  
 AP Computer Science Principles (10)\*  
 Cybersecurity (5)  
 IB Computer Science HL I (10)  
 IB Computer Science HL II (10)

Digital Media (5)\*  
 Advanced Digital Media (5)  
 Digital Production (5)

\*If course is taken to fulfill the Technology Education graduation requirement, it may be part of the sequence of courses, but is not included in the 30 credits.

**Courses offered are subject to availability.**

## HEALTH SCIENCES SPECIALTY DIPLOMA

\*MPS DIPLOMA PATHS WILL END WITH THE CLASS OF 2027

This diploma path is unique because it includes courses from multiple departments.

### Specialty Commended Diploma

To earn a Specialty Commended Diploma, a student must meet the GPA criteria and complete **30** credits in a career field. These **30** credits must include a sequence of three courses in the pathway. (See chart below). The Distinguished Diploma path is available for the Therapeutic Services Pathway.

- The Millard Public Schools Health Sciences Career Academy fulfills the sequence requirement.
- The UNMC High School Alliance fulfills the sequence requirement.

### Specialty Distinguished Diploma

To earn a Specialty Distinguished Diploma, a student must meet the GPA criteria and complete the Millard Public Schools Health Sciences Academy or University of Nebraska Medical Center (UNMC) High School Alliance.

- The Millard Public Schools Health Sciences Career Academy fulfills the sequence requirement.
- The UNMC High School Alliance fulfills the sequence requirement.

**Courses offered are subject to availability.**

<b>THERAPEUTIC SERVICES</b>	<b>DIAGNOSTIC &amp; RESEARCH SERVICES</b>
Human Physiology (10) Athletic Training & Sports Injury (5) Athletic Training & Sports Injury Internship (10)  To complete the requirement for 30 credits, students may take any of the courses below if not already taken:  Sports Performance (5) Cross Training I (5) Cross Training II (5) Lifetime Fitness (5) Lifeguard Training (5)	Millard Public Schools Health Sciences Career Academy  UNMC High School Alliance-Completion of 40 Credits

## HUMAN SCIENCES AND EDUCATION SPECIALTY DIPLOMA

\*MPS DIPLOMA PATHS WILL END WITH THE CLASS OF 2027

In order to graduate, all students must take a human resources course.  
The following courses exceed this requirement.

### Specialty Commended Diploma

To earn a Specialty Commended Diploma, a student must meet the GPA criteria and complete **30** credits in a career field. These **30** credits must include a sequence of three courses in one of the pathways (see chart below). If either Child Development or Adult Life and Relationships is taken to fulfill the human resources graduation requirement, it may not be included in the 30 credits.

- The Millard Public Schools Education Career Academy fulfills the sequence requirement.
- The Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

### Specialty Distinguished Diploma

To earn a Specialty Distinguished Diploma, a student must meet the GPA criteria and complete **50** credits in a career field. These **50** credits must include a sequence of three courses in one of the pathways (see chart below). If either Child Development or Adult Life and Relationships is taken to fulfill the human resources graduation requirement, it may not be included in the 50 credits.

- The Millard Public Schools Education Career Academy fulfills the sequence requirement.
- The Metropolitan Community College (MCC) Criminal Justice Academy fulfills the sequence requirement.

<b>HUMAN SCIENCES</b>		
<b>Foods &amp; Nutrition</b>	<b>Housing &amp; Textile Design</b>	<b>Human Development &amp; Family</b>
Introduction to Food & Nutrition (5) Culinary Skills (5) Advanced Culinary Skills (5)	Introduction to Design (5) Interior Design (5) Textile & Clothing Design (5)	Child Development (5) Adult Life and Relationships (5)
To complete the requirement for 30 or 50 credits, students may take any of the courses above not previously completed.		
<b>EDUCATION &amp; TRAINING</b>		<b>LAW, PUBLIC SAFETY &amp; SECURITY</b>
Millard Public Schools Education Career Academy		MCC Criminal Justice Academy

The following courses may be completed to earn 30 or 50 credits if not taken for the human resources graduation requirement:

- Child Development (5)
- Adult Life and Relationships (5)

To earn a distinguished diploma, the student will need to complete all courses listed above.

**Courses offered are subject to availability.**

## SKILLED AND TECHNICAL SCIENCES SPECIALTY DIPLOMA

\*MPS DIPLOMA PATHS WILL END WITH THE CLASS OF 2027

### Specialty Commended Diploma

To earn a Specialty Commended Diploma, a student must meet the GPA criteria and complete **30** credits in a career field. These **30** credits must include a sequence of three courses in one of the pathways (see chart below). The course taken to fulfill the technology graduation requirement may not be included in the 30 credits.

- The Millard Public Schools Business and Logistics Management Career Academy fulfills the sequence requirement.
- The Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

### Specialty Distinguished Diploma

To earn a Specialty Distinguished Diploma, a student must meet the GPA criteria and complete **50** credits in a career field. These **50** credits must include a sequence of three courses in one of the pathways (see chart below). The course taken to fulfill the technology graduation requirement may not be included in the 30 credits.

- The Millard Public Schools Business and Logistics Management Career Academy fulfills the sequence requirement.
- The Metropolitan Community College (MCC) Construction Technology Academy fulfills the sequence requirement.

CONSTRUCTION PATHWAY	ENGINEERING PATHWAY	
Introduction to Carpentry (5) Carpentry (5) Advanced Carpentry (5) STEM Design and Development (10)  Or  Home Maintenance (5) Construction Systems (5) Construction and Management (5) STEM Design & Development (10)	Introduction to Engineering (5)* Engineering and Design A (5) Engineering and Design B (5) STEM Design and Development (10)	Introduction to Engineering (5)* Civil Engineering and Architecture A (5) Civil Engineering & Architecture B (5) STEM Design and Development (10)
Home Maintenance (5) Construction Systems (5) Construction and Management (5) STEM Design & Development (10)	Introduction to Engineering (5)* Robotics A (5) Robotics B (5) STEM Design and Development (10)	
BUSINESS & LOGISTICS MANAGEMENT	MANUFACTURING PATHWAY	
Millard Public Schools Business and Logistics Management Career Academy	Introduction to Metalworking (5) Welding I (5) Welding II (5) STEM Design and Development (10)  Or MCC Welding & Fabrication Academy	Introduction to Metalworking (5) Precision Machining A (5) Precision Machining B (5) Computer Integrated Machining (5)  Or Advanced Precision Machining (5) STEM Design and Development (10)
*If course is taken to fulfill the Technology Education graduation requirement, it may be part of the sequence of courses, but is <u>not</u> included in the 30 credits.		

**Courses offered are subject to availability.**



**SKILLED AND TECHNICAL SCIENCES  
SPECIALTY DIPLOMA**

**\*MPS DIPLOMA PATHS WILL END WITH THE CLASS OF 2027**

These Metropolitan Community College (MCC) Academies fulfill the sequence requirement for the Distinguished Diploma Paths:

<b>Automotive Technology</b>	<b>Diesel Technology</b>
MCC Automotive Technology Academy MCC Automotive Collision Technology Academy	MCC Diesel Technology Academy
<b>Electrical Technology</b>	<b>Fire Science Technology</b>
MCC Electrical Technology Academy	MCC Fire Science Technology Academy
<b>Plumbing</b>	
MCC Pre-Apprenticeship Plumbing Academy	

**Courses offered are subject to availability.**

## DUAL ENROLLMENT OPPORTUNITIES

### **University of Nebraska at Omaha**

Students have the option to enroll for college credit while taking high school courses. The number of college credits is determined by the corresponding college course. The grade earned appears on both the high school and UNO transcripts. This credit may be transferable to other colleges and universities. Students are urged to check with the college they plan to attend regarding their transfer policies. Selected Advanced Placement® courses, Academy courses, and Athletic Training & Sports Injury Internship are available for dual credit. Please contact an administrator at the building for more information.

Students are required to take the Advanced Placement® exam if earning dual enrollment in an Advanced Placement® course. Tuition costs are determined by the institution. This rate is subject to change by University of Nebraska at Omaha.

### **Metropolitan Community College**

Students have the option to earn dual enrollment credit while taking specific high school or Metropolitan Community College (MCC) courses. The number of credits is determined by the corresponding college course. The grade earned appears on both the high school and MCC transcripts. This credit may transfer to other colleges and universities. Students are urged to check with the college they plan to attend regarding transfer policies.

Tuition costs are determined by the institution.

## COLLEGE ATHLETICS ELIGIBILITY

Students who wish to compete as freshmen on college athletic teams after completion of high school must meet established eligibility guidelines from the National Collegiate Athletic Association (NCAA), the National Association of Intercollegiate Athletics (NAIA), or the National Junior College Athletic Association (NJCAA). Information concerning eligibility for each of these organizations can be found on the following websites:

NCAA: <http://eligibilitycenter.org>  
NAIA: [www.naia.org](http://www.naia.org)  
NJCAA: [www.njcaa.org](http://www.njcaa.org)

### NCAA

Student athletes who wish to participate in NCAA Division I or Division II sports **MUST BE CERTIFIED** by the NCAA Eligibility Center which will analyze individual academic information to determine if a student meets NCAA eligibility requirements. **DON'T DELAY THIS PROCESS** – if a student is uncertain about participation in Division I or II it is best to complete this process anyway. This process does **NOT** bind a student to participate; however, it is a necessary procedure should a student elect to participate. Failure to be certified may affect visitations to colleges regarding athletics, and college coaches may be reluctant to make commitments to athletes who have not completed the NCAA initial-eligibility certification.

Students are encouraged to visit with a counselor to review the policies which will affect them. Athletes or their parents are encouraged to obtain additional references pertaining to student athletes. The best single reference is *2023-2024 NCAA Guide for the College Bound Student Athlete* published by the NCAA Eligibility Center, PO Box 7136, Indianapolis, Indiana, 46207-7136. The toll-free phone number is (877) 262-1492; Monday through Friday from 8 a.m. to 6 p.m. Eastern time. This document is also available on-line at [www.ncaa.org](http://www.ncaa.org).

### NCAA Freshman-Eligibility Standards Quick Reference Information

The list of Millard courses approved by NCAA can be found on the NCAA website and should be utilized when completing your 4-year plan.

### Core Courses

- NCAA Division I requires **16 core courses**. NCAA Division I requires 10 core courses to be completed prior to the seventh semester (seven of the 10 must be a combination of English, mathematics or natural or physical science that meet the distribution requirement). These 10 courses become “locked in” at the seventh semester and cannot be retaken for grade improvement. See the chart on the next page for the breakdown of the complete 16 core-course requirement.
  - Beginning August 1, 2016, it will be possible for a Division I college-bound student-athlete to still receive athletics aid and the ability to practice with the team if he or she fails to meet the 10 course requirement, but would not be able to compete.
- NCAA Division II requires **16 core courses** for students enrolling on or after August 1, 2013.
  - Beginning August 1, 2016, it will be possible for a Division II college-bound student-athlete to still receive athletics aid and the ability to practice with the team if he or she fails to meet the 10 course requirement, but would not be able to compete.

### Test Scores

- In January 2023, NCAA Divisions I and II adopted legislation to remove standardized test scores from initial-eligibility requirements for **all** student-athletes who initially enroll full time on or after August 1, 2023. Check with the NCAA school you plan to attend regarding whether standardized test scores are necessary for admission or scholarship requirements.

### Grade-Point Average

- Only core courses are used in the calculation of the grade-point average.
- Be sure to look at your high school's list of NCAA-approved core courses on the Eligibility Center's website to make certain that courses being taken have been approved as core courses. The website is [www.eligibilitycenter.org](http://www.eligibilitycenter.org).
- **Division I** core grade-point-average requirement is a minimum of 2.3.
- The **Division II** core grade-point-average requirement is a minimum of 2.2.

<b>Division I 16 Core Courses</b>	
4	years of English
3	years of mathematics (Algebra I or higher)
2	years of natural/physical science (1 year of lab if offered by high school)
1	year of additional English, mathematics, or natural/physical science
2	years of social science
4	years of additional courses (from any area above, foreign language, or comparative religion/philosophy)
<i>Note: Courses with similar content may be deemed duplicative by the NCAA Eligibility Center.</i>	

<b>Division II 16 Core Courses</b>	
3	years of English
2	years of mathematics (Algebra I or higher)
2	years of natural/physical science (1 year of lab if offered by high school)
3	years of additional English, mathematics, or natural/physical science
2	years of social science
4	years of additional courses (from any area above, foreign language, or comparative religion/philosophy)

### Amateurism Certification

Students who enroll at an NCAA Division I or II institution for the first time need to also complete the amateurism questionnaire through the Eligibility Center website. Students need to request final amateurism certification prior to enrollment.

### Division III

Student athletes who wish to participate in NCAA Division III are not currently certified by the NCAA Initial-Eligibility Clearinghouse. Those wanting to participate in Division III athletics should contact the Division III institutions of interest regarding their policies on admission, financial aid, athletic eligibility, practice, and competition. In Division III, certification of an individual's amateurism status is completed by each college or university, not the Eligibility Center.

### NAIA

The National Association of Intercollegiate Athletics requires a participant in athletics during the first year in school to meet two of three basic education requirements.

- Achieve a minimum of 18 on the ACT<sup>®</sup> or 970 on the SAT<sup>®</sup>. The ACT<sup>®</sup>/SAT<sup>®</sup> test must be taken on a national testing date.
- Achieve a minimum overall high school grade point average of 2.000 on a 4.000 scale.
- Graduate in the top half of his/her high school graduating class.

### NJCAA

For updated information on National Junior College Athletic Association requirements visit [njcaa.org](http://njcaa.org).

## QUICK REFERENCE TABLE OF ALL MILLARD COURSES

ART			
Course #	Course Name	Credits	Grad Requirement
0701	Art History: Art Through the Ages	5	F
0703	Intro to 3D Art	5	F
0707	Intro to 2D Art	5	F
0709	Digital and Graphic Arts	5	
0710	Pottery and Sculpture	5	
0711	Advanced Pottery and Sculpture	5	
0720	Drawing	5	
0722	Painting	5	
0723	Advanced 2D Art	5	
0724 A/B	AP Drawing	10	
0727 A/B	IB Visual Arts SL	10	
0728 A/B	IB Visual Arts HL I	10	
0729 A/B	IB Visual Arts HL II	10	

BUSINESS, MARKETING, & MANAGEMENT			
Course #	Course Name	Credits	Grad Requirement
<b>Business Management and Administration Pathway</b>			
0505	Introduction to Business	5	
0510	Business Law and Ethics	5	
0515	Management and Leadership	5	
0538	Entrepreneurship	5	
0553 A/B	IB Business Management SL	10	
0554 A/B	IB Business Management HL I	10	
0555 A/B	IB Business Management HL II	10	
<b>Finance Pathway</b>			
0500	Personal Finance	5	FL
0502	Accounting I	5	
0503	Accounting II	5	
0540	AP Macroeconomics	5	
0541	AP Microeconomics	5	
0542	Accounting III	5	
0543	Managerial Accounting	5	
<b>Marketing Pathway</b>			
0551	Entertainment and Sports Marketing	5	
0552 A/B	Marketing	10	
0553 A/B	Applied Marketing	10	
V0553 A/B	Applied Marketing	10	
0556	Digital Marketing	5	
<b>Work-Based Learning</b>			
0557	Business Management Work-Based Learning	5	
0558	Finance Work-Based Learning	5	
0559	Marketing Work-Based Learning	5	

## COMMUNICATION & INFORMATION SYSTEMS

Course #	Course Name	Credits	Grad Requirement
<b>Business Technology Pathway</b>			
0566	Business Technologies	5	T
0567	Emerging Technologies	5	T
<b>Computer Science Pathway</b>			
0266 A/B	IB Computer Science HL I	10	
0267 A/B	IB Computer Science HL II	10	
0569	Computer Science Programming	5	T
0565 A/B	AP Computer Science Principles	10	T
0257 A/B	AP Computer Science A	10	
0573	Cybersecurity	5	
<b>Digital Design Pathway</b>			
0570	Digital Media	5	T
0568	Digital Production	5	
0574	Advanced Digital Media	5	

ENGLISH LANGUAGE ARTS			
Course #	Course Name	Credits	Grad Requirement
0001 A/B	English 9	10	
0059 A/B	English 9 Literacy Enrichment	10/10	
0003 A/B	Honors English 9	10	
0002 A/B	English 10	10	
0060 A/B	English 10 Literacy Enrichment	10/10	
0004 A/B	Honors English 10	10	
0007 A/B	English 11	10	
0061 A/B	Literacy Enrichment 11	10	
0047 A/B	AP English Language and Composition	10	
0048 A/B	AP English Language and Composition	10	
0016 A/B	IB English: Literature HL I	10	
0017 A/B	IB English: Literature HL II	10	
<b>English Electives</b>			
0033	Creative Writing	5	
0035	College Writing	5	
V0035	College Writing	5	
0062	Literacy for Life	5	
0065	Literature and Film	5	
0067	Global Perspectives Through Literature	5	
0068	Contemporary Literature	5	
0069	Media Analysis	5	
0076	Popular Genres in Literature	5	
<b>Oral Communications</b>			
0020	Speech	5	OC
0021 A/B	Forensics: Competitive Speech	10	OC
0022	Debate	5	OC
0023 A/B	Competitive Debate	10	OC
<b>Drama</b>			
0024	Theatre and Performance I	5	F
0025	Theatre and Performance: Advanced Studies	5	
0026	Theatre Technology	5	
0039	Theatre Appreciation	5	F
<b>Journalism</b>			
0064	Introduction to Journalism, Photojournalism, and Broadcast Journalism	5	
0066 A/B	Advanced Journalism	10	
0013 A/B	Yearbook	10	
0077	Broadcast Journalism	5	
0073 A/B	IB Film SL	10	
0074 A/B	IB Film HL I	10	
0075 A/B	IB Film HL II	10	

ENGLISH LEARNER			
Course #	Course Name	Credits	Grad Requirement
<b>Beginning English Learner</b>			
EL01 A/B	EL Beginning Reading	10	
EL02 A/B	EL Beginning Writing	10	
EL03 A/B	EL Beginning Communication	10	
<b>Emerging English Learner</b>			
EL04 A/B	EL Emerging Reading	10	
EL05 A/B	EL Emerging Writing	10	
EL06 A/B	EL Emerging Communication	10	
<b>Progressive English Learner</b>			
EL07 A/B	EL Progressive Literacy	10	
EL08 A/B	EL Progressing Communication	10	
<b>Advanced English Learner</b>			
EL09 A/B	EL Advanced Literacy and Communication I	10	
EL10 A/B	EL Advanced Literacy and Communication II	10	
<b>Other English Language Development Courses</b>			
EL11	ELD Computer Literacy	5	T
EL12	ELD Health	5	H
EL14	ELD Mathematics	5	
EL15	ELD Financial Literacy	5	FL

FAMILY & CONSUMER SCIENCES			
Course #	Course Name	Credits	Grad Requirement
<b>Food and Nutrition Pathway</b>			
0534	Introduction to Food and Nutrition	5	
0525	Culinary Skills	5	
0535	Advanced Culinary Skills	5	
<b>Housing and Textile Design Pathway</b>			
0520	Introduction to Design	5	
0539	Interior Design	5	
0536	Textiles and Clothing Design	5	
<b>Human Development and Family Pathway</b>			
0527	Child Development	5	HR
0528	Adult Life and Parenting	5	HR
<b>Stand-Alone Course</b>			
0526	Healthy Living	5	H



## MATHEMATICS

Course #	Course Name	Credits	Grad Requirement
MA02	Algebra 1 Enrichment	5	
MA04	Algebra 2 Enrichment	5	
MA06	Algebra 3 Enrichment	5	
MA08	Foundations Algebra 1	5	
MA10	Algebra 1	5	
MA12	Foundations Geometry 1	5	
MA14	Geometry 1	5	
MA16	Foundations Algebra 2	5	
MA18	Algebra 2	5	
MA20	Honors Algebra 2	5	
MA22	Foundations Geometry 2	5	
MA24	Geometry 2	5	
MA26	Honors Geometry 2	5	
MA28	Foundations Algebra 3	5	
MA30	Algebra 3	5	
MA32	Honors Algebra 3	5	
MA34	Foundations Algebra 4: Probability & Statistics	5	
MA36	Algebra 4: Probability & Statistics	5	
MA38	Trigonometry	5	
MA40	Discrete Math	5	
MA42	Sports Math & Game Theory	5	
MA44	Math in the Arts	5	
MA46	Math for Life	5	
MA48	Skilled and Technical Math	5	
MA50 A/B	Modular Mathematics	10	
MA52 A/B	College Algebra	10	
VMA53 A/B	College Algebra	10	
MA54 A/B	AP Precalculus	10	
MA56 A/B	AP Statistics	10	
MA58 A/B	AP Calculus AB	10	
MA60 A/B	AP Calculus BC	10	
MA62 A/B	Calculus II and Advanced Topics	10	
MA64 A/B	Calculus III/Differential Equations*	10	
MA66 A/B	IB Mathematics Analysis & Approaches HL I	10	
MA68 A/B	IB Mathematics Analysis & Approaches HL II	10	
MA70 A/B	IB Mathematics Applications & Interpretation HL I	10	
MA72 A/B	IB Mathematics Applications & Interpretation HL II	10	
MA74 A/B	IB Mathematics Applications & Interpretation SL	10	

MUSIC			
Course #	Course Name	Credits	Grad Requirement
0731	Marching Band Exhibition/Fall Ensembles	5	F
0732	Marching Band Competitive/Fall Ensembles	5	F
0733	Concert Band	5	F
0734	Symphonic Band	5	F
0735	Wind Ensemble	5	F
0736 A/B	Philharmonic Orchestra	10	F
0737 A/B	Symphony Orchestra	10	
0739 A/B	Chamber Orchestra	10	
0746	Digital Music Production/Songwriting	5	F
0747	Music Exploration	5	F
0756 A/B	Concert Choir	10	F
0757 A/B	Chorale	10	F
0758 A/B	Singers	10	F
0767 A/B	IB Music SL - Band	10	F
0769 A/B	IB Music SL - Orchestra	10	F
0798	Introduction to Music Theory	5	F
0799	AP Music Theory	5	

PHYSICAL EDUCATION			
Course #	Course Name	Credits	Grad Requirement
0800	Sport Skills and Fitness	5	PE
0801	Cross Training I	5	PE
0802	Cross Training II	5	PE
0803	Lifetime Fitness	5	PE
0805	Weight Training and Conditioning I	5	PE
0806	Weight Training and Conditioning II	5	PE
0808	Aquatics I	5	PE
0809	Lifeguard Training	5	PE
0810	Aquatics II	5	PE
0814	Athletic Training and Sports Injury	5	
0815 A/B	Athletic Training and Sport Injuries Internship	10	
0816	Sports Performance	5	PE
0817	Sport Officiating	5	PE

SCIENCE			
Course #	Course Name	Credits	Grad Requirement
0321 A/B	Introduction to IB Chemistry and IB Physics (North Only)	10	C, P
0327 A/B	Biology	10	
0328	Physical Science: Chemistry	5	C
0329	Physical Science: Physics	5	P
0333	Zoology	5	
0334 A/B	Chemistry	10	C
0335	Astronomy	5	
0346	Environmental Science	5	
0347 A/B	AP Environmental Science	10	
0352 A/B	Physics	10	P
0362 A/B	Human Anatomy and Physiology	10	
0370 A/B	AP Chemistry	10	
0371 A/B	IB Chemistry HL I	10	
0372 A/B	IB Chemistry HL II	10	
0375 A/B	IB Biology SL	10	
0376 A/B	IB Biology HL I	10	
0377 A/B	AP Biology	10	
0378 A/B	AP Biology HL II	10	
0383 A/B	AP Physics 1: Algebra-Based	10	P
0384 A/B	AP Physics 2: Algebra-Based	10	
0380 A/B	IB Physics SL	10	
0381 A/B	IB Physics HL I	10	
0382 A/B	IB Physics HL II	10	

## SKILLED AND TECHNICAL SCIENCES

Course #	Course Name	Credits	Grad Requirement
<b>Construction Pathway</b>			
0654	Introduction to Carpentry	5	
0657	Carpentry	5	
0658	Advanced Carpentry	5	
0613	Home Maintenance	5	
0696	Construction Systems	5	
0659	Construction and Management	5	
<b>Engineering Pathway</b>			
0662	Introduction to Engineering	5	T
0663	Engineering and Design A	5	
0664	Engineering and Design B	5	
0675	Civil Engineering and Architecture A	5	
0676	Civil Engineering and Architecture B	5	
0692	Robotics A	5	
0693	Robotics B	5	
<b>Manufacturing Pathway</b>			
0681	Introduction to Metalworking	5	
0682	Precision Machining A	5	
0683	Precision Machining B	5	
0684	Computer Integrated Machining	5	
0694	Advanced Precision Machining	5	
0695	Small Engines	5	
0685	Welding I	5	
0686	Welding II	5	
<b>Advanced Topics</b>			
0698 A/B	STEM Design and Development	10	

## SOCIAL STUDIES

Course #	Course Name	Credits	Grad Requirement
0408	World Geography	5	
0414	United States Government and Economics	5	
V0414	United States Government and Economics	5	
0415	AP United States Government and Politics	5	
0420 A/B	World History	10	
0424 A/B	AP World History	10	
0422	World Religions	5	HR †
0425	Human Diversity	5	HR
0426	International Relations	5	HR
0430	Introduction to Behavioral Sciences	5	HR
0431	Sociology	5	HR
0432	Psychology	5	HR
V0432	Psychology	5	HR
0433 A/B	IB Psychology SL	10	HR
0442	Law Studies	5	HR †
0449 A/B	United States History	10	
0450 A/B	AP United States History	10	
0451 A/B	AP European History	10	
0453 A/B	AP Psychology	10	HR
0455 A/B	IB History of the Americas HL II	10	
0456 A/B	AP Human Geography	10	
0458 A/B	IB Early Modern World History SL/HL I	10	
0850	IB Theory of Knowledge I	5	HR

## SPECIAL EDUCATION

Course #	Course Name	Credits	Grad Requirement
0900 A/B	Fundamental English	10	
0903 A/B	Essentials of English 11	10	
0908 A/B	Fundamental Reading	10	
0920 A/B	Fundamental Mathematics	10	
0927	Foundational Mathematics	5	
0930 A/B	Fundamental Science	10	
0932 A/B	Essentials of Biology	10	
0933	Essentials of Human Anatomy and Physiology I	5	
0934	Essentials of Human Anatomy and Physiology II	5	
0935	Essentials of Environmental Science	5	
0936	Essentials of Physical Science: Chemistry	5	C
0937	Essentials of Physical Science: Physics	5	P
0940 A/B	Fundamental Social Studies	10	
0944	Essentials of United States Government & Economics	5	
0946	Essentials of World Geography	5	
0947	Essentials of Human Diversity	5	HR
0948 A/B	Essentials of World History	10	
0949 A/B	Essentials of United States History	10	
0950	Fundamental Daily Living	5	H
0951	Fundamental Independent Living	5	
0952	Career Readiness Skills and Exploration	5	
0953	College Readiness Skills and Exploration	5	
0957	Transition to Adult Living	5	
0960	Fundamental Personal Finance	5	FL
0970 A/B	Fundamental Technology	10	
0971 A/B	Fundamental Prevocational Skills	10	
0972	Fundamentals of Speech	5	OC
0973	Work Introduction Network I	5	HR
0974	Work Introduction Network II	5	

## WORLD LANGUAGE

Course #	Course Name	Credits	Grad Requirement
0132 A/B	French I	10	
0130 A/B	Honors French I	10	
0133 A/B	French II	10	
0134 A/B	Honors French II	10	
0135 A/B	French III	10	
0136 A/B	Honors French III	10	
0137 A/B	French IV	10	
0139 A/B	AP French Language and Culture	10	
0140 A/B	IB French SL I	10	
0141 A/B	IB French SL II	10	
0112 A/B	German I	10	
0110 A/B	Honors German I	10	
0113 A/B	German II	10	
0114 A/B	Honors German II	10	
0115 A/B	German III	10	
0116 A/B	Honors German III	10	
0117 A/B	German IV	10	
0119 A/B	AP German Language and Culture	10	
0120 A/B	IB German SL I	10	
0121 A/B	IB German SL II	10	
0162 A/B	Honors Latin I	10	
0163 A/B	Honors Latin II	10	
0164 A/B	Honors Latin III	10	
0172 A/B	AP Latin	10	
0161 A/B	IB Latin SL I	10	
0174 A/B	IB Latin SL II	10	
0152 A/B	Spanish I	10	
0147 A/B	Honors Spanish I	10	
0153 A/B	Spanish II	10	
0154 A/B	Honors Spanish II	10	
0155 A/B	Spanish III	10	
0156 A/B	Honors Spanish III	10	
0157 A/B	Spanish IV	10	
0158 A/B	Honors Spanish IV/Spanish V	10	
0159 A/B	AP Spanish Language and Culture	10	
0160 A/B	IB Spanish SL I	10	
0173 A/B	IB Spanish SL II	10	
0171 A/B	IB Spanish A HL II	10	

## ACADEMIES

### Business and Entrepreneurship Academy

Location: Millard South High School  
Application open to all Millard Students

Course #	Course Name	Credits	Grad Requirement
0007 A/B	English 11	10	E
AEN01 A/B	College Accounting I	10	
AEN05	Financial Literacy	5	FL
AEN10	Introduction to Business	5	
AEN20	Introduction to Entrepreneurship	5	
AEN60	Business Law	5	
AEN30	Entrepreneurship Feasibility Study	5	
AEN15	College Accounting II	5	
AEN45 A/B	Entrepreneurship Work-Based Learning Experience	10	
0540	AP Macroeconomics	5	
0541	AP Microeconomics	5	
AEN55	Principles of Management	5	
AEN65	Principles of Marketing	5	

### Business and Logistics Management Academy

Location: Millard North High School  
Application open to all Millard Students

Course #	Course Name	Credits	Grad Requirement
0007 A/B	English 11	10	E
ATD10	Introduction to Business	5	
ATD01	Intro. Transportation Distribution & Logistics	5	
ATD05	Industrial Safety and Health	5	
ATD15	Introduction to Distribution	5	
ATD20	Principles of Marketing	5	
ATD25	Principles of Management	5	
ATD30	Mechanical Print Reading	5	
ATD35	Business Logistics	5	
ATD40	Purchasing and Material Management	5	
ATD45	Problem Solving	5	
ATD50	Production & Operations Management	5	
ATD55 A/B	Business and Logistics Management Work-Based Learning	10	
ATD60	College Composition and Research	5	

E = English Elective

FL = Fulfills Financial Literacy Graduation Requirement



## ACADEMIES

### Education Academy

Location: Millard North & Millard West High Schools  
Application open to all Millard Students

Course #	Course Name	Credits	Grad Requirement
0007 A/B	English 11	10	E
0527	Child Development	5	HR
AED02	Preschool Child Development	5	
AED35	Professional Speaking	5	OC
AED10	Introduction to Professional Education	5	
AED15	Education Seminar I	5	
0422	World Religions	5	HR †
0414	US Government and Economics	5	
0453 A/B	AP Psychology	10	HR
AED30	Best Practices in Education	5	
AED05	College Composition and Research	5	EE
AED40	Education Seminar II	5	
AED45	Education Seminar III	5	
AED50	Education Practicum	5	
AED55	Introduction to Special Education	5	
AED60	Introduction to Teaching ESL	5	

### Health Sciences Academy

Location: Keith Lutz Horizon High School  
Application open to all Millard Students

Course #	Course Name	Credits	Grad Requirement
AHS01 A/B	Human Anatomy and Physiology	10	SE
AHS05	Medical Terminology I	5	
AHS10	Medical Terminology II	5	
AHS15	Health Sciences Orientation Seminar	5	
AHS20	Introduction to Medical Law and Ethics	5	
AHS25	Nutrition in the Life Cycle	5	
AHS30	Disease Processes	5	SE
0453 A/B	AP Psychology	10	HR
AHS35 A/B	Long Term Care/Certified Nursing Assistant	10	
AHS50 A/B	Health Sciences Work-Based Learning Experience	10	
AHS60	Fundamentals of Pharmacology	5	
V0035	College Writing	5	EE
0377	AP Biology	5	

## ACADEMIES

### STEM Academy

Location: Millard West High School  
Application open to all Millard Students

Course #	Course Name	Credits	Grad Requirement
AST01	Engineering Design and Systems Thinking	5	
AST02	STEM Information Technology	5	T
AST03	Engineering Problem Solving	5	
AST04	STEM Computer Science	5	
0383 A/B	AP Physics 1: Algebra-Based	10	P
YBC03	Human Relations	5	
AST05	Industrial Design II	5	
AST06 A/B	STEM Capstone	10	
AST10	Industrial Design I	5	F
MA56 A/B	AP Statistics	10	Ma
AST08	Public Speaking	5	OC
AST09 A/B	STEM Work-Based Learning Experience	10	

## AIR FORCE JUNIOR RESERVE OFFICER TRAINING CORPS

Location: Millard South High School

*Students interested must attend or transfer to Millard South High School.*

*Within district transfer is required to participate*

Course #	Course Name	Credits	Grad Requirement
AS100	Milestone in Aviation History	5	
LE100	Traditions, Wellness, and Foundations of Citizenship	5	PE
AS220	Cultural Studies: An Intro to Global Awareness	5	WG
AS200	The Science of Flight: A Gateway to New Horizons	5	SE
LE200	Communication, Awareness, and Leadership	5	
AS300	Exploring Space: The High Frontier	5	
LE300	Life Skills and Career Opportunities	5	FL
AS400	Management of Cadet Corps	5	
LE400	Fundamentals of Management	5	
AS410	Survival	5	

## AP CAPSTONE™

Location: Millard West High School

Application is open to all Millard Students

*Within district transfer is required to participate*

Course #	Course Name	Credits	Grad Requirement
<b>AP Capstone™</b>			
PD80	Academic Seminar	5	
AP01 A/B	AP Seminar	10	
AP02 A/B	AP Research	10	

## EARLY COLLEGE HIGH SCHOOL

The following courses are dual enrolled with Metropolitan Community College

Millard South High School			Metropolitan Community College		
Course #	Course Name	Credits	Course #	Course Name	Credits
<b>Art, Business, Music, and Theatre</b>					
0540	AP Macroeconomics	5	ECON 1000	Macroeconomics	4.5
0541	AP Microeconomics	5	ECON 1100	Microeconomics	4.5
0701	Art History through the Ages	5	ARTS 1000	Introduction to the Visual Arts	4.5
0566	Business Technologies	5	INFO 1001	Information Systems & Literacy	4.5
0720	Drawing	5	ARTS 1010	Elementary Drawing	4.5
0747	Music Exploration	5	MUSC 1050	Music Appreciation	4.5
0039	Theatre Appreciation	5	THEA 1000	Theatre Appreciation	4.5
<b>English Language Arts</b>					
0035 or V0035	College Writing	5	ENGL 1020	English Composition II	4.5
0033	Creative Writing	5	ENGL 1310	Creative Writing	4.5
0007A	English 11 A	5	ENGL 1010	English Composition I	4.5
0007B	English 11 B	5	ENGL 2450	Introduction to Literature	4.5
0067	Global Perspectives Through Literature	5	HUMS 1150	The Humanities in the Non-Western World	4.5
0004A	Honors English 10 A	5	ENGL 1010	English Composition I	4.5
0004B	Honors English 10 B	5	ENGL 2450	Introduction to Literature	4.5
0020	Speech	5	COMS 1110	Public Speaking	4.5
<b>Mathematics</b>					
MA58	AP Calculus AB	10	MATH 2410	Calculus I	7.5
MA60A	AP Calculus BC	5	MATH 2410	Calculus I	7.5
MA60B	AP Calculus BC	5	MATH 2411	Calculus II	7.5
MA54A	AP Precalculus A	5	MATH 1425	Precalculus Algebra	5
MA54B	AP Precalculus B	5	MATH 1430	Trigonometry	5
MA56	AP Statistics	10	MATH 1410	Statistics	4.5
MA64A	Calculus III/Differential Equations	10	MATH 2412	Calculus III	6
MA64B	Calculus III/Differential Equations	10	MATH 2510	Differential Equations	4.5
MA52 or VMA53	College Algebra	10	MATH 1425	Precalculus Algebra	5
MA38	Trigonometry	5	MATH 1430	Trigonometry	4.5
<b>Science</b>					
0383	AP Physics I: Algebra-Based	10	PHYS 110 ABC	Principles of Physics IA, IB, IC	7.5
0327	Biology	10	BIOS 1010	Introduction to Biology	6
0334	Chemistry	10	CHEM 1010	College Chemistry	5
0362	Human Anatomy and Physiology	10	BIOS 1310	Survey of Anatomy & Physiology	5
0352	Physics	10	PHYS 1010	Applied Physics	4.5
<b>Social Studies</b>					
PD80	Academic Seminar	5	HMRL 1010	Human Relations Skills	4.5
0450A	AP US History A	5	HIST 1010	United States History to 1877	4.5
0450B	AP US History B	5	HIST 1020	U.S. History from 1865 to Present	4.5
0424A	AP World History A	5	HIST 1110	World Civil. from Prehistory to 1500	4.5
0424B	AP World History B	5	HIST 1120	World Civil. from 1500 to Present	4.5
0420A	World History A	5	HIST 1110	World Civil. from Prehistory to 1500	4.5
0420B	World History B	5	HIST 1120	World Civil. from 1500 to Present	4.5
0414	US Government & Economics	5	POLS 2050	American National Government	4.5
0415	AP US Government & Politics	5	POLS 2050	American National Government	4.5
0453	AP Psychology	10	PSYC 1010	Introduction to Psychology	4.5
<b>World Language</b>					
0139A	AP French A	5	FREN 2110	Intermediate French I	4.5
0139B	AP French B	5	FREN 2120	Intermediate French II	4.5
0119A	AP German A	5	GERM 2110	Intermediate German I	4.5
0119B	AP German B	5	GERM 2120	Intermediate German II	4.5
0159A	AP Spanish A	5	SPAN 2210	Conversation Skills I	4.5
0159B	AP Spanish B	5	SPAN 2220	Conversation Skills II	4.5
0134	Honors French II	10	FREN 1110	Elementary French I	7.5
0136	Honors French III	10	FREN 1120	Elementary French II	7.5
0114	Honors German II	10	GERM 1010	Elementary German I	7.5
0118	Honors German III	10	GERM 1020	Elementary German II	7.5
0154	Honors Spanish II	10	SPAN 1110	Elementary Spanish I	7.5
0156	Honors Spanish III	10	SPAN 1120	Elementary Spanish II	7.5
0158A	Honors Spanish IV/V	5	SPAN 2110	Intermediate Spanish I	4.5
0158B	Honors Spanish IV/V	5	SPAN 2120	Intermediate Spanish II	4.5
<b>Credit granted by passing AP exam with a 3,4, or 5</b>					
0456	AP Human Geography	10	GEOG 1050	Intro to Human Geography	4.5

## INTERNATIONAL BACCALAUREATE® DIPLOMA PROGRAMME

Location: Millard North High School only

Course #	Course Name	Credits	Grad Requirement
0016 A/B	IB English: Literature HL I	10	
0017 A/B	IB English: Literature HL II	10	
0140 A/B	IB French SL I	10	
0141 A/B	IB French SL II	10	
0120 A/B	IB German SL I	10	
0121 A/B	IB German SL II	10	
0161 A/B	IB Latin SL I	10	
0174 A/B	IB Latin SL II	10	
0160 A/B	IB Spanish SL I	10	
0173 A/B	IB Spanish SL II	10	
0171 A/B	IB Spanish A HL II	10	
0553 A/B	IB Business Management SL	10	
0554 A/B	IB Business Management HL I	10	
0555 A/B	IB Business Management HL II	10	
0266 A/B	IB Computer Science HL I	10	
0267 A/B	IB Computer Science HL II	10	
MA66 A/B	IB Mathematics Analysis & Approaches HL I	10	
MA68 A/B	IB Mathematics Analysis & Approaches HL II	10	
MA70 A/B	IB Mathematics Applications & Interpretations HL I	10	
MA72 A/B	IB Mathematics Applications & Interpretations HL II	10	
0371 A/B	IB Chemistry HL I	10	
0372 A/B	IB Chemistry HL II	10	
0375 A/B	IB Biology SL	10	
0376 A/B	IB Biology HL I	10	
0378 A/B	IB Biology HL II	10	
0380 A/B	IB Physics SL	10	
0381 A/B	IB Physics HL I	10	
0382 A/B	IB Physics HL II	10	
0458 A/B	IB Early Modern World History SL/HL I	10	
0433 A/B	IB Psychology SL	10	
0455 A/B	IB History of the Americas HL II	10	
0727 A/B	IB Visual Arts SL	10	
0728 A/B	IB Visual Arts HL I	10	F
0729 A/B	IB Visual Arts HL II	10	
0767 A/B	IB Music SL Band	10	F
0769 A/B	IB Music SL Orchestra	10	F
0850	IB Theory of Knowledge I	5	HR
0851	IB Theory of Knowledge II	5	
0073 A/B	IB Film SL	10	
0074 A/B	IB Film HL I	10	
0075 A/B	IB Film HL II	10	

## OTHER OPPORTUNITIES

<b>Course #</b>	<b>Course Name</b>	<b>Credits</b>	<b>Location</b>
PD80	Academic Seminar	5	ALL HS
PD85	Academic Seminar Leadership	5	ALL HS
	ACT <sup>®</sup> Prep Workshop	0	ALL HS
	Independent Study Courses	5 or 10	NHS, SHS, WHS
YBC02 A/B	Intern Omaha Experience	10	NHS, SHS
UNMC1-15	UNMS High School Alliance	40	NHS, SHS, WHS
	Zoo Academy	45	NHS, SHS, WHS

## ACADEMIES AT METROPOLITAN COMMUNITY COLLEGE

These academics are located at a Metropolitan Community College Campus

Course #	Course Name	Credits
MCC01 A/B/C	3-D Animation and Games	15
MCC02 A/B/C	Administrative Technology	15
MCC06 A/B/C	Advanced Manufacturing - Year 1	10
MCC43 A/B/C	Advanced Manufacturing - Year 2	10
MCC04 A/B/C	Architecture Technology	15
MCC18 A/B/C	Automotive Collision Technology - Year 1	10
MCC35 A/B/C	Automotive Collision Technology - Year 2	10
MCC19 A/B/C	Automotive Technology	10
MCC45 A/B/C	Business - Year 1	15
MCC46 A/B/C	Business - Year 2	15
MCC28 A/B/C	Certified Nursing Assistant (CNA)	10
MCC05 A/B/C	Civil Engineering Technology	15
MCC14 A/B/C	Construction Technology - Year 1	15
MCC15 A/B/C	Construction Technology - Year 2	15
MCC22 A/B/C	Criminal Justice	15
MCC39 A/B/C	Culinary Arts Foundations	10
MCC47 A/B/C	Data Science	15
MCC24 A/B/C	Diesel Technology - Year 1	10
MCC36 A/B/C	Diesel Technology - Year 2	10
MCC27 A/B/C	Digital Cinema and Filmmaking	10
MCC07 A/B/C	Early Childhood Education	15
MCC23 A/B/C	Electrical Technology - Year 1	15
MCC37 A/B/C	Electrical Technology - Year 2	10
MCC29 A/B/C	Emergency Medical Technician (EMT)	15
MCC32 A/B/C	Fire Science Technology - Year 1	10
MCC33 A/B/C	Fire Science Technology - Year 2	10
MCC08 A/B/C	Heating, Air Conditioning & Refrigeration (HVAC) - Yr 1	10
MCC09 A/B/C	Heating, Air Conditioning & Refrigeration (HVAC) - Yr 2	10
MCC21 A/B/C	Horticulture, Land Systems and Management	10
MCC38 A/B/C	Horticulture, Land Systems and Management	10
MCC48 A/B/C	Human Services	15
MCC11 A/B/C	IT Technician - Cyber Security - Year 1	15
MCC44 A/B/C	IT Technician - Cyber Security - Year 2	15
MCC49 A/B/C	Photography	10
MCC50 A/B/C	Powersports and Outdoor Power Equipment Technician	15
MCC31 A/B/C	Pre-Apprenticeship Plumbing	15
MCC12 A/B/C	Prototype Design	15
MCC16 A/B/C	Theatre Technology - Year 1	20
MCC17 A/B/C	Theatre Technology - Year 2	20
MCC40 A/B/C	Web and Mobile App Programming - Year 1	15
MCC41 A/B/C	Web and Mobile App Programming - Year 2	15
MCC25 A/B/C	Welding and Fabrication - Year 1	10
MCC26 A/B/C	Welding and Fabrication - Year 2	10

PE = Fulfills Physical Education Graduation Requirement

SE = Science Elective  
WG = Fulfills World Geography Graduation Requirement  
C = Fulfills Chemistry Graduation Requirement  
FL = Fulfills Financial Literacy Graduation Requirement  
P = Fulfills Physics Graduation Requirement  
F = Fulfills Fine and Performing Arts Graduation Requirement  
HR = Fulfills Human Resources Graduation Requirement  
† = See course descriptions for additional requirements  
M=Metropolitan Community College  
O = University of Nebraska at Omaha  
OC = Fulfills Oral Communications Graduation Requirement  
T = Fulfills Technology Education Graduation Requirement  
E = Fulfills English Graduation Requirement  
EE = English Elective  
SE = Science Elective

\*Pending instructor availability – may need to arrange schedule to attend available instructor’s assigned high school.

## Millard High School Credit Count Class of 2026

**To graduate students must earn 230 credits, meet District Assessment criteria, complete a Personal Learning Plan (PLP), and complete the FAFSA or complete the required waiver.**

<b>Total Earned Credits</b>	9th grade:	10th grade:	11th grade:	12th grade:	Total: (Need 230)	
<b>Required Assessments</b>	Reading Met		Writing Met		Mathematics Met	
<b>Personal Learning Plan</b>	Requirement Completed		<b>FAFSA</b>		Requirement Completed	
<b>English Language Arts</b>	40 CR	English 9A and 9B	English 10A and 10B	English 11A and 11B	Additional English	<b>Oral Communications:</b> Speech Debate Forensics Competitive Speech Professional Speaking Competitive Debate
<b>Mathematics*</b> *See Mathematics requirements	30 CR					
<b>Science</b>	30 CR	Biology A and B				
<b>Social Studies</b>	30 CR	World Geography	World History A and B	US History A and B	US Govt. and Economics	
						IB Students only: IB History of the Americas HL II
<b>Human Resources</b>	5 CR	Adult Life & Relationships AP Psychology (10 credits) Child Development Human Diversity IB Psychology IB TOK (IB only)		International Relations Intro to Behavioral Sciences Law Studies Psychology World Religions		
<b>Health</b>	5 CR	ELD Health Healthy Living		<b>Electives: 65 Credits</b>		
<b>Physical Education</b>	15 CR					
<b>Financial Literacy</b>	5 CR	ELD Financial Literacy Financial Literacy Personal Finance Life Skills & Career Opportunities				
<b>Fine &amp; Performing Arts</b>	5 CR	Any Art or Music Course Theatre & Performance I Theatre Appreciation				

- Students are responsible for determining courses that will satisfy specific University/College admissions requirements.
- Students may need 20 credits of the same World Language to gain entrance into a University/College.



## Millard High School Credit Count

### Classes of 2027 and Beyond

**To graduate students must earn 230 credits, meet District Assessment criteria, complete a Personal Learning Plan (PLP), and complete the FAFSA or complete the required waiver.**

<b>Total Earned Credits</b>	9th grade:	10th grade:	11th grade:	12th grade:	Total: (Need 230)	
<b>Required Assessments</b>	Reading Met		Writing Met		Mathematics Met	
<b>Personal Learning Plan</b>	Requirements Completed		<b>FAFSA</b>		Requirement Completed	
<b>English Language Arts</b>	40 CR	English 9A and 9B	English 10A and 10B	English 11A and 11B	Additional English	<b>Oral Communications</b> Speech Debate Forensics  Competitive Speech Professional Speaking Competitive Debate
<b>Mathematics*</b> *See Mathematics requirements	30 CR					
<b>Science</b>	30 CR	Biology A and B				
<b>Social Studies</b>	30 CR	World Geography	World History A and B	US History A and B	US Govt. and Econ.	
		IB Students only: IB History of the Americas HL II				
<b>Human Resources</b>	5 CR	Adult Life & Relationships AP Psychology (10 credits) Child Development Human Diversity Human Relations			IB Psychology IB TOK (IB only) International Relations Intro to Behavioral Sciences Law Studies Psychology World Religions	
<b>Health</b>	5 CR	ELD Health Healthy Living			<b>Electives: 60 Credits</b>	
<b>Physical Education</b>	15 CR					
<b>Financial Literacy</b>	5 CR	ELD Financial Literacy Financial Literacy Personal Finance Life Skills & Career Opportunities				
<b>Fine &amp; Performing Arts</b>	5 CR	Any Art or Music Course Theatre & Performance I Theatre Appreciation				
<b>Technology Education</b>	5 CR	AP Computer Science Principles Business Technologies Computer Science Programming ELD Computer Literacy Emerging Technologies Info. Tech. I (STEM Academy) Introduction to Engineering*** Digital Media***				

- Students are responsible for determining courses that will satisfy specific University/College admissions requirements.
- Students may need 20 credits of the same World Language to gain entrance into a University/College.
- \*\*\* Intro to Engineering and Digital Media count for Technology Education graduation credit only if taken in or before the 2024/2025 school year.





