



High School  
Curriculum Handbook  
and  
Registration Guide

2019-2020

# **Millard Public Schools**

## **Millard Board of Education**

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### **NOTICE OF NONDISCRIMINATION**

The Millard School District does not discriminate on the basis of race, color, religion, national origin, gender, marital status, disability, age, or on any other basis prohibited by federal, state, or local laws in admission or access 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 (including sexual harassment) shall follow the procedures of District Rule 4001.2. Complaints by students or parents regarding unlawful discrimination or unlawful harassment (including sexual harassment) shall follow the procedures of District Rule 5010.2.

<p>It is the intent of District and High School administrators to offer all courses and programs as noted within the 2019-2020 High School Curriculum Handbook and Registration Guide. However, courses and/or program offerings may be canceled due to budget constraints and/or low enrollment numbers.</p>
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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 while utilizing digital learning tools, participate in activities and make new friends while in high school. Millard Public Schools' goal is to guarantee that each student develops the character traits and masters the knowledge and skills necessary for personal excellence and responsible citizenship. 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. Your desire to learn and the decisions you make determine your future success!

We are pleased with the diverse opportunities in our high schools, consisting of a variety and depth of courses offered including twenty-five Advanced Placement® courses, the International Baccalaureate® Programmes, the Information Technology Mini-Magnet Program, four MPS Career Academies, Early College and Air Force Junior Reserve Officer Training (AFJROTC). 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 standards, challenge yourself to take full advantage of the academic opportunities offered in Millard. Students considering post-secondary education 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. Universities, colleges, and trade schools look for students who take the most rigorous courses available to them while in high school. 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, MPS Diploma Paths, and your post-secondary goals as you select courses.

We wish you success in the 2019-2020 school year.

A handwritten signature in black ink that reads "Angie Craft".

Angie Craft  
Principal  
Keith Lutz Horizon High School

A handwritten signature in blue ink that reads "Brian Begley".

Brian Begley  
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  
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 2019-2020 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. A Four Year Plan Sheet is provided to assist in thoughtful discussions and decisions towards post-secondary plans.
- 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, Information Technology Mini-Magnet, International Baccalaureate®, Early College, AFJROTC, 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 three 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)

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.

<b>Program</b>	<b>Location</b>	<b>Student Assignment Status</b>
AFJROTC	Millard South High School	Students must transfer to Millard South.
Early College	Millard South High School	Students must transfer to Millard South.
International Baccalaureate® Programme	Millard North High School	Students must transfer to Millard North.
Information Technology Mini-Magnet	Millard South High School	Students must transfer to Millard South.
Business and Entrepreneurship Academy	Millard South High School	Students attend their home high school for half the school day and travel to Millard South for the other half day.
Business and Logistics Management Academy	Millard North High School	Students attend their home high school for half the school day and travel to Millard North for the other half day.
Education Academy	Millard West High School	Students attend their home high school for half the school day and travel to Millard West for the other half day.
Health Sciences Academy	Keith Lutz Horizon High School	Students attend their home high school for half the school day and travel to Keith Lutz Horizon for the other half day.
Academies at Metropolitan Community College	Metropolitan Community College (MCC)	Students attend their home high school for half the school day and travel to MCC for the other half day.
UNMC Academy	University of Nebraska Medical Center (UNMC)	Students attend their home high school for half the school day and travel to UNMC for the other half day.
Zoo Academy	Henry Doorly Zoo	Students attend their home high school for half the school day and travel to Henry Doorly Zoo for the other half day.

## GRADUATION REQUIREMENTS CLASSES OF 2020 and Beyond

Program	Total Course/Subject Credits	Course or Subject Areas	Credits	University of Nebraska System Requirements**
Language Arts	40	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> <ul style="list-style-type: none"><li>Competitive Debate</li><li>Debate (Debate 1)</li><li>Forensics: Competitive Speech (Forensics)</li><li>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>		<i>English Selected Courses:</i> <ul style="list-style-type: none"><li>AP English Language and Composition</li><li>AP English Literature and Composition</li><li>College Writing (Research Methods)</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 (21<sup>st</sup> Century Media Literacy)</li><li>Popular Genres in Literature</li></ul>		
Social Studies	30	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	
Mathematics	30	Algebra I or Algebra I: Foundations 1	10	4 years*  Algebra I, Geometry, Algebra II and 1 year that builds on Algebra II  *UNL requires 4 years of mathematics *UNO and UNK require 3 years of mathematics
		A mathematics course numbered 220 or higher	10	
		An additional mathematics course	10	
		Note: Computer Science courses may not be applied toward mathematics credit.		
Science	30	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 CLASSES OF 2020 and 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	Healthy Living (Everyday Living)	5	
Financial Literacy	5	<ul style="list-style-type: none"> <li>Personal Finance</li> <li>Wealth Building and Personal Finance (Business and Entrepreneurship Academy)</li> <li>Life Skills &amp; Career Opportunities (AFJROTC)</li> </ul>	5	
Fine and Performing Arts	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	
Human Resources	5	Choice of a Human Resources course: <ul style="list-style-type: none"> <li>Adult Life and Parenting</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>Introduction to Behavioral Sciences</li> <li>Psychology</li> <li>Sociology</li> </ul>	5	
Electives	65	A total of 65 additional credits selected from any course areas	65	2 years of the same World Language

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

\*\* In addition, students must graduate in the upper half of their high school class, have an ACT® score of 20 or higher, or an SAT® score of 950 or higher.

Credit Summary					
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>

## 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 approved by the principal.
4. Grading Guidelines for Second – Twelfth Grade (Board of Education Rule 6330.1)

The Millard Public Schools Grading Guidelines for second through twelfth grade shall be used to report achievement, academic progress, and compute Grade Point Averages (GPA) where applicable.

Number Grade	Letter Grade	% Grade Range	Standard Grade Points	Weighted Grade Points
1 =	A =	100-93 =	20 Grade points or	25 Grade points
2 =	B =	92-85 =	15 Grade points or	20 Grade points
3 =	C =	84-77 =	10 Grade points or	15 Grade points
4 =	D =	76-69 =	5 Grade points or	10 Grade points
5 =	F =	68-0 =	0 Grade points	0 Grade points
P =	P =	Pass =	0 Grade points	0 Grade points
F =	F =	Fail =	0 Grade points	0 Grade points

Weighted grade points will apply to Advanced Placement® courses, to those courses taken for International Baccalaureate® Diploma Programme purposes wherein students are required to meet IB requirements for standard level or higher level assessment, and to those courses which are beyond the Advanced Placement® course sequence within a specific content area as identified in the *Millard Public Schools High School Curriculum Handbook and Registration Guide*. IB Middle Years Programme and IB Diploma prerequisite courses do not qualify for weighted grade points.

A student’s Grade Point Average (GPA) shall be calculated by dividing the total Grade Points achieved (standard and weighted) by the total course credits attempted.

Effective with the high school class of 2020 and thereafter, class rank will no longer be calculated.

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 (Millard West and Keith Lutz Horizon block, 10 credits per term) and has consistent attendance as well as having received 20 credit hours (Millard West and 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 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.

During their freshman year of high school, students begin to create their resumés and then update them at least annually. The resumé could be used for upcoming job interviews or college entrance interviews. Additional requirements include the following:

## Freshman

- Career Interest Profiler
- Four Year Course Plan
- Learning Styles Inventory
- Developmental Asset Profile®

## Sophomore

- Four Year Course Plan
- College and Career Readiness Measure
- Do What You Are Inventory
- Pre-ACT™ Test Reflection

## Junior

- My Game Plan
- Four Year Course Plan
- ACT® Test Reflection

## Senior

- My Game Plan
- Four Year Course Plan
- Resumé Page Finalized
- Counselor Interview

The PLP will be completed using the *Naviance Family Connection* website. Student progress will be monitored and recorded in Naviance by a school representative such as an advisor, counselor, and/or an administrator. Parents are encouraged to visit their child's Personal Learning Plan to hold conversations, to monitor progress, and to encourage their child's efforts.

At least one month prior to graduation, the Senior PLP must be completed and finalized through *Naviance Family Connection*. 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.

Students and parents may access *Naviance Family Connection* from the link on each high school web page.

# ASSESSMENT REQUIREMENTS

In addition to 230 credits required for graduation, 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).

Secondary Grade Level Measurements:

- 10<sup>th</sup> Grade MPS Writing Assessment  
Pre-ACT™
- 11<sup>th</sup> Grade ACT® Assessment

### III. Effect of Student Performance

- A. When a student has successfully met the Essential Learner Outcomes of College and Career Readiness metric for each outcome:
1. A notation shall be made in the student's cumulative record. Such information will be communicated to parent(s)/guardian(s) in writing.
  2. Students who meet the College and Career Readiness metric for the high school Essential Learner Outcomes of College and Career Readiness assessments have met an essential criterion for graduating from the Millard Public Schools. Upon successful completion of the required number of credits and Personal Learning Plan as defined by Policy 6320 and Rule 6320.1, students shall be eligible for a graduation diploma from the Millard Public Schools.
- B. If a student has not met the College and Career Readiness metric for a given Essential Learner Outcome of College and Career Readiness, the following shall occur:
1. The school/district will initiate a consistent and collaborative problem solving and intervention model called Multi-tiered Systems of Support (MTSS). Records of problem solving and intervention strategies are required.
  2. Utilizing the MTSS problem solving process, school representatives will offer the student learning activities that address recognized Essential Learner Outcomes of College and Career Readiness deficiencies. Learning activities may include, but are not limited to, the following:
    - a. Differentiated/complementary instruction during regular classes (i.e., peer tutoring, needs groups, individualized instruction);
    - b. Before or after school tutorials;
    - c. Study hall tutorials;
    - d. Change of interdisciplinary teams or level of instruction;
    - e. Repeat of specific course(s) of study;
    - f. Assignment to and attendance at specific class(es) designed to address deficiencies;
    - g. Attendance at summer school; and/or
    - h. Use of specific District identified interventions designed to support student achievement.
  3. If the student is verified with a disability the IEP Team may reconvene to review the problem solving and intervention strategies and to ensure that the IEP is written to assist the student in areas of weakness and that appropriate accommodations are in place.
  4. If the student has a 504 Accommodation Plan, the 504 Team may reconvene to review the problem solving and intervention strategies and to ensure that needed accommodations are in place in areas of weakness.
  5. If the student is identified as an English Language Learner (ELL), a school team responsible for planning the student's academic program may reconvene to review the problem solving and intervention strategies and to ensure that needed accommodations are in place in areas of weakness.
- C. Procedures for high school students
1. If a student has not met the College and Career Readiness metric for a given Essential Learner Outcomes of College and Career Readiness as measured by the ACT® Assessment, the following shall occur:
    - a. The problem solving and intervention strategies will be reviewed by a qualified team and, if necessary, redesigned. Students shall be referred to Building Problem Solving Team for identification of needs if not previously referred.
    - b. The building will review the student's results of the Nebraska State Accountability Test. If the student has successfully met the Essential Learner Outcomes of College and Career Readiness metric measured by Nebraska State Accountability Test for each outcome, then
      - i. A notation shall be made in the student's cumulative record. Such information will be communicated to parent(s)/guardian(s) in writing.

- ii. Students who meet the College and Career Readiness metric for the high school Essential Learner Outcomes of College and Career Readiness assessments have met an essential criterion for graduating from the Millard Public Schools. Upon successful completion of the required number of credits and Personal Learning Plan as defined by Policy 6320 and Rule 6320.1, the students shall be eligible for a graduation diploma from the Millard Public Schools.
  - c. Students may submit additional ACT® results for consideration in meeting the College and Career Ready metrics from testing occasions for which they have independently registered.
- 2. If after review of the student's results of the Nebraska State Accountability Test a student has not met the College and Career Readiness metric for a given Essential Learner Outcomes of College and Career Readiness, the following shall occur:
  - a. The problem solving and intervention strategies will be reviewed by a qualified team and, if necessary, redesigned. Students shall be referred to Building Problem Solving Team for identification of needs if not previously referred.
  - b. The building will review the student's results of Pre-ACT® or ACT® Plan or ACT® 10th Grade Aspire Assessment. If the student has successfully met the Essential Learner Outcomes of College and Career Readiness metric measured by Pre-ACT® or ACT® Plan or ACT® 10th Grade Aspire Assessment for each outcome, then
    - i. A notation shall be made in the student's cumulative record. Such information will be communicated to parent(s)/guardian(s) in writing.
    - ii. Students who meet the College and Career Readiness metric for the high school Essential Learner Outcomes of College and Career Readiness assessments have met an essential criterion for graduating from the Millard Public Schools. Upon successful completion of the required number of credits and Personal Learning Plan as defined by Policy 6320 and Rule 6320.1, the students shall be eligible for a graduation diploma from the Millard Public Schools.
- 3. If after review of the student's results of the student's results of Pre-ACT® or ACT® Plan or ACT® 10th Grade Aspire Assessment a student has not met the College and Career Readiness metric for the Essential Learner Outcomes of College and Career Readiness, the following shall occur:
  - a. The problem solving and intervention strategies will be reviewed by a qualified team and, if necessary, redesigned. Students shall be referred to Building Problem Solving Team for identification of needs if not previously referred.
  - b. The building will review and administer locally-developed Essential Learner Outcome assessments. If the student has successfully met the Essential Learner Outcomes of College and Career Readiness metric measured by locally-developed ELO assessments for each outcome, then
    - i. A notation shall be made in the student's cumulative record. Such information will be communicated to parent(s)/guardian(s) in writing.
    - ii. Students who meet the College and Career Readiness metric for the high school Essential Learner Outcomes of College and Career Readiness assessments have met an essential criterion for graduating from the Millard Public Schools. Upon successful completion of the required number of credits and Personal Learning Plan as defined by Policy 6320 and Rule 6320.1, the students shall be eligible for a graduation diploma from the Millard Public Schools.
    - iii. The student shall be retested using the appropriate Essential Learner Outcomes of College and Career Readiness assessment. Students shall be given the opportunity to be retested multiple times until the requisite College and Career Readiness metric is achieved. Students shall be given notice of the opportunities for retesting.
- 4. The student will be considered ineligible for a diploma from the Millard Public Schools until such time that the requisite College and Career Readiness metrics are achieved for high school Essential Learner Outcomes of College and Career Readiness assessments.
- 5. If the student is verified with a disability or has a 504 Accommodation Plan, then the IEP or 504 Team will reconvene to review the education plan and may consider lowering the College and Career Readiness metric requirement as part of the IEP or 504 Accommodation Plan. The student's parent(s) and/or guardian(s) shall be notified and shall also be advised of the effect of lowering the College and Career Readiness metric.
  - a. Applications for approval of lowered College and Career Readiness metric requirements may be submitted by the student's IEP or 504 Team to the Associate Superintendent of Educational Services for consideration and where appropriate, approval. The Associate Superintendent of Educational Services or designee shall decide and respond to all such requests.

- b. If the lowered College and Career Readiness metric is approved, the student shall then be eligible to receive a graduation diploma with appropriate notation from the Millard Public Schools as provided in Rule 6320.1.

**D. Demonstration of Proficiency –**

Additional opportunities are available to demonstrate student proficiency.

After review of ACT® Assessment, Nebraska State Accountability Tests, Pre-ACT® or ACT® Plan or ACT® 10th Grade Aspire Assessment and one or more attempts on Essential Learner Outcome of College and Career Readiness locally-developed assessments without achieving the College and Career Readiness metric, students, under building supervision, shall participate in a process, as provided in the District's Assessment Procedures, to demonstrate an appropriate level of proficiency in reading, writing, math, or science (science for class of 2017 or prior). A student who successfully meets the standards and requirements of a Demonstration of Proficiency shall have met one of the essential criteria for graduating from the Millard Public Schools. Mechanisms by which students may demonstrate proficiency include:

1. Performance portfolios comprised of District developed course assessment scores reading, writing, and math.
2. Approved Advanced Placement course grades of a "C" or higher or an approved AP exam score of a 2 or higher for an AP English course as evidence of Reading and Writing competency, or grades of a "C" or higher or an AP exam score of a 2 or higher for an AP mathematics exam. All AP courses and exams used for this purpose shall have been provided by and/or taken while enrolled in an accredited institution.
3. Approved dual enrollment course grades as evidence of Reading, Writing, or Mathematics competencies e.g. the Metropolitan Community College (MCC) Developmental Math Course.
4. Measures of Academic Progress (MAP) RIT score in high school Reading or Mathematics comparable to near College and Career Ready ACT score.

**IV. District Procedures for Opting Out of Recommended Reteaching**

- A. Should a student participating in the Assessment Program not meet the requisite College and Career Readiness metric and be recommended for one of the problem solving and intervention strategies listed above, including placement in a specific required course, the student's parent(s)/guardian(s) shall have the right to refuse placement of their student within the recommended strategy and either:
  1. Request an alternative teaching strategy; or
  2. Refuse such placement at all.
- B. Such requests for an alternative teaching strategy shall be submitted in writing to the appropriate building principal. The building principal or designee shall respond within thirty (30) calendar days.

**V. District Procedures for New Students**

- A. At the high school level, incoming students who enroll after district administration of Pre-ACT® or ACT® Assessment and/or ACT® Plan or ACT® 10th Grade Aspire Assessment may provide verified results of these assessments from prior administration. If verified results are not provided, students will take all high school locally-developed assessments designated per Essential Learner Outcome of College and Career Readiness.

**VI. District Procedures for Students with Disabilities and ELL Students**

Pursuant to the Assessment Accommodations section of the District's Assessment Procedures Manual, all students are to participate in the District's regular assessments and the only students to be excluded are those with a disability or language proficiency which has excluded the student from the norm sample of the standardized assessment, and/or those students who have not participated in the area and/or level of the curriculum that the assessment measures. Even for such students, they are not totally exempt and they must take an alternate assessment.

**A. Procedures for Students with Disabilities**

1. The preceding assessments may not be appropriate for some students with disabilities whose individualized education programs prescribe a different course of instruction and/or different requirements for graduation. The participation of students with disabilities, the provision of accommodations, and the provision of alternate assessments will be in accordance with the District's Assessment Procedures, which include the process for identifying appropriate assessment accommodations and alternate assessments.

**B. Procedure for ELL Students**

1. Students must meet all graduation requirements in the English language to earn a Millard Public Schools diploma. ELL students who have not demonstrated adequate English language proficiencies may postpone testing according to district procedures.



## **VII. Student's Right to Appeal**

- A. Students who have not achieved the necessary high school College and Career Readiness metrics as approved by the Millard Board of Education may appeal the denial of a diploma.
- B. A student may appeal the denial of a diploma only on the grounds that the student's failure to achieve the required cutscore is due to:
  - 1. The failure of the District to provide a reasonable accommodation that was previously requested by the student and denied by the District.
  - 2. The failure of the District to provide an alternate assessment or approve a demonstration of proficiency, which had been previously requested by the student and denied by the District.

## **VIII. Procedures for Appeal**

- A. Within seven (7) days after the receipt of the notice that the student failed to achieve the cutscore required for graduation from the Millard Public Schools, a written notice of appeal shall be served upon the Superintendent of the Millard Public Schools or his/her designee. Such appeal shall set forth all of the reasons for the appeal as provided herein and shall set forth the relief sought by the student, parent(s) or guardian(s). Such notice of appeal may also include any additional information, which is relevant to the appeal.
- B. Within seven (7) days after the receipt of the written notice of appeal and any supporting information relevant to the appeal, the Superintendent or designee shall consider and render a decision on the appeal based on whether the decision of the District was unreasonable. Such decision shall then be forwarded to the student's parent(s) and/or guardian(s) advising the student's parent(s) and/or guardian(s) of the basis for the Superintendent's decision and the reasons therefore.
- C. Within seven (7) days after the receipt of the written notification from the Superintendent or the Superintendent's designee, a written request may be made by the student, parent(s), or guardian(s) to the secretary of the Millard Board of Education or the Superintendent, or designee for a hearing before the Millard Board of Education, or a committee of the Board consisting of not less than two (2) members or more than three (3) members to be held on the issue whether the decision of the Superintendent or designee was unreasonable.
- D. Such hearing shall be held before the Millard Board of Education or committee within thirty (30) days of the date the request for hearing was received. If a hearing request is not received in a timely manner, the decision of the Superintendent or the Superintendent's designee shall be final.
- E. The student, parent(s) and/or guardian(s) shall be advised at least seven (7) days prior to the date of the hearing before the Board and such notification shall set forth the date, time, and place for the hearing before the Millard Board of Education or committee.
- F. The parties may, by mutual written agreement, extend the time for hearing or final determination.
- G. The student, parent(s), and/or guardian(s) shall have the right to be represented by legal counsel and shall have the opportunity to present such evidence that is material to the issue or issues stated in the appeal.
- H. The hearing shall be conducted in closed session and in accordance with the student privacy laws unless the student, parent(s), and/or guardian(s) shall request, in writing, that the hearing be held in open session. Any formal action of the Millard Board of Education or committee shall be taken in closed session unless such proceeding was requested by the student, parent(s), or guardian(s) to be held in open session.
- I. The decision of the Millard Board of Education or committee shall be by vote of a majority of the members of the Millard Board of Education and the Millard Board of Education or committee shall reduce its findings and decision to writing and provide the written findings and decision to the student, parent(s), and/or guardian(s) within ten (10) days of the hearing. When conducting such proceedings, the Millard Board of Education or committee shall be exercising a judicial function and deciding a dispute of adjudicative facts.

## **GRADUATION**

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

## Four Year Plan Sheet: Classes of 2020 and Beyond

Requirements	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade	Total Credits
<b>Language Arts (35)</b>	<ul style="list-style-type: none"> <li>English 9</li> <li>English 9/Literacy Enrichment</li> <li>Honors English 9</li> </ul>	<ul style="list-style-type: none"> <li>English 10</li> <li>English 10/Literacy Enrichment</li> <li>Honors English 10</li> </ul>	<ul style="list-style-type: none"> <li>English 11</li> </ul>		
<b>Mathematics (30)</b>					
<b>Science (30)</b>	<ul style="list-style-type: none"> <li>Biology</li> </ul>	<ul style="list-style-type: none"> <li>Chemistry or Physical Science: Chemistry</li> <li>Physics or Physical Science: Physics</li> </ul>	<ul style="list-style-type: none"> <li>Chemistry or Physical Science: Chemistry</li> <li>Physics or Physical Science: Physics</li> </ul>		
<b>Social Studies (30)</b>	<ul style="list-style-type: none"> <li>World Geography</li> </ul>	<ul style="list-style-type: none"> <li>World History</li> </ul>	<ul style="list-style-type: none"> <li>United States History or U.S. Govt. &amp; Economics</li> </ul>	<ul style="list-style-type: none"> <li>United States History or U.S. Govt. &amp; Economics</li> </ul>	
<b>Human Resources (5)</b>					
<ul style="list-style-type: none"> <li>Adult Life and Parenting</li> <li>Child Development</li> <li>Introduction to Behavioral Sciences</li> <li>Psychology</li> <li>Sociology</li> <li>Human Diversity</li> <li>International Relations</li> </ul>					
<b>Health (5)</b>					
<ul style="list-style-type: none"> <li>Healthy Living (Everyday Living) (preferred 10<sup>th</sup> grade)</li> </ul>					
<b>Physical Education (15)</b>					
<b>Fine and Performing Arts (5)</b>					
<b>Financial Literacy (5)</b>					
<ul style="list-style-type: none"> <li>Personal Finance</li> <li>Wealth Building (Business and Entrepreneurship Academy)</li> </ul>					
<b>Oral Communications (5)</b>					
<ul style="list-style-type: none"> <li>Debate (Debate I)</li> <li>Forensics: Competitive Speech (Forensics)</li> <li>Speech</li> <li>Professional Speaking (Education Academy)</li> </ul>					
<b>Electives (65)</b>					
<b>Total Credits By Grade</b>					

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Advisor: \_\_\_\_\_

Post-secondary goal/career: \_\_\_\_\_

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. Honors English 9	1. Honors English 10	1. IB English HL I	1. IB English HL II
Group II: Language B	2.	2.	2.	2. IB SL
Group III: Individuals and 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:**

- TOK is a Human Resources class
- Remember to include other graduation requirements:
 

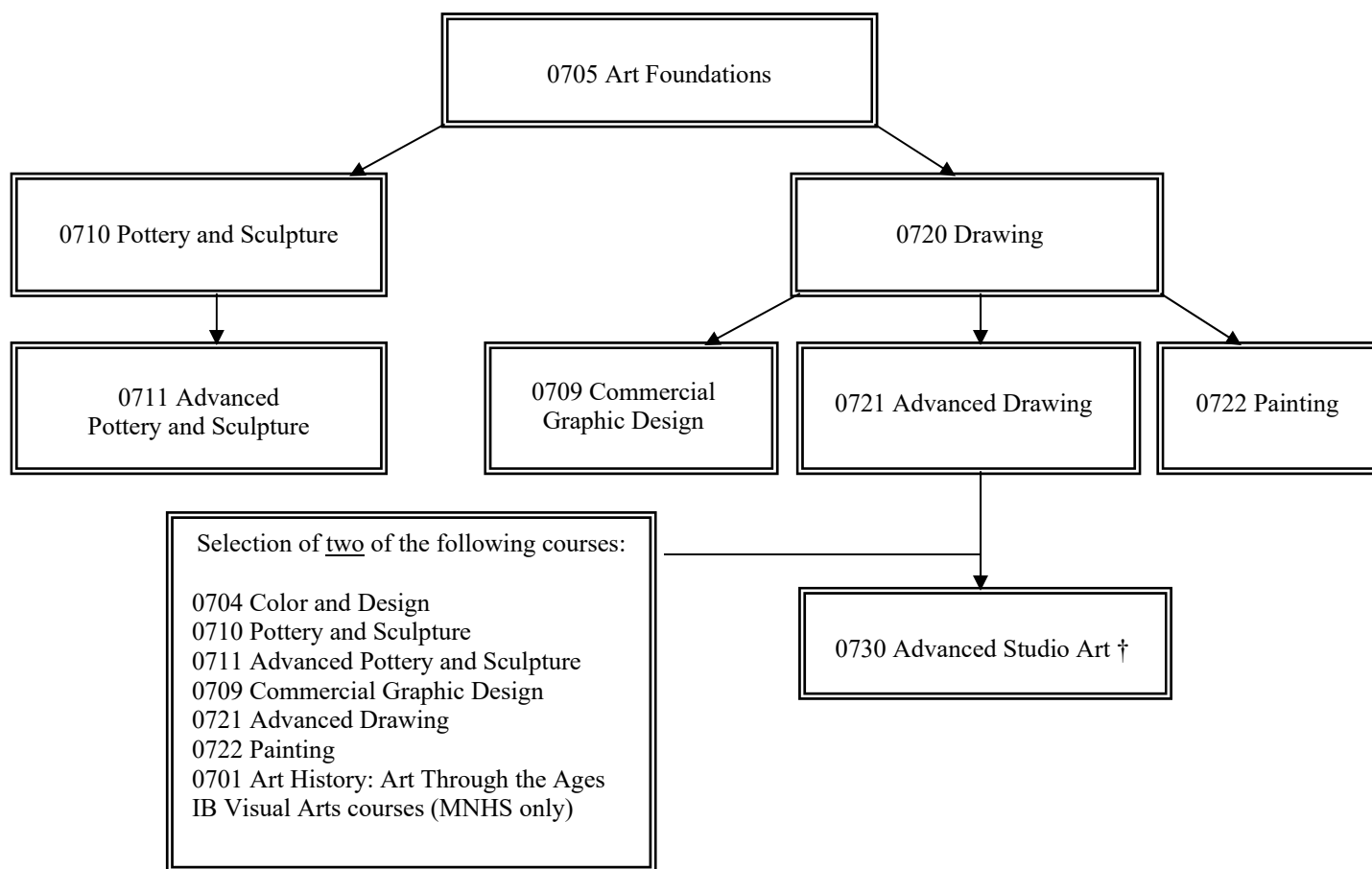
3 semesters of PE	Fine and Performing Arts
Healthy Living (Everyday Living)	Personal Finance

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# Course Descriptions



## ART

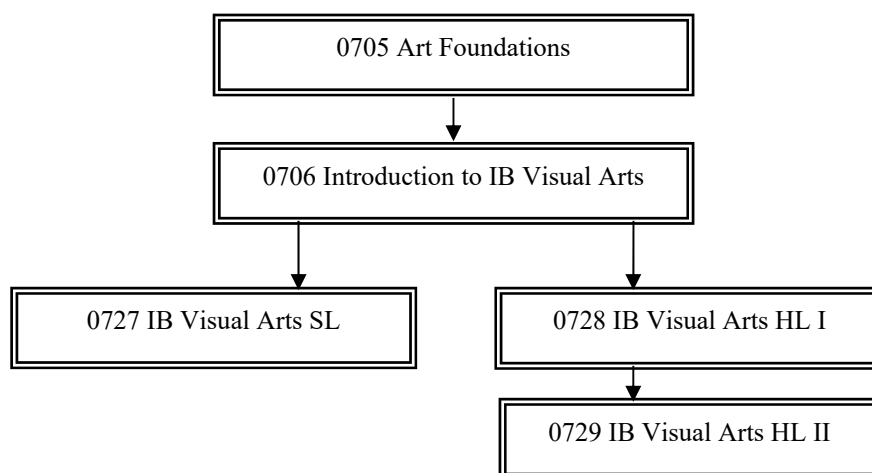


† See course descriptions for additional requirements

### Stand-Alone Art Courses



### MILLARD NORTH HIGH SCHOOL IB DIPLOMA PROGRAMME STUDENTS ONLY



## ART

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>ART</b>										
0701	Art History: Art Through the Ages	5		F				•	•	•
0704	Color and Design	5		F			•	•	•	•
0705	Art Foundations	5		F			•	•	•	•
0709	Commercial Graphic Design	5			0720			•	•	•
0710	Pottery and Sculpture	5			0705		•	•	•	•
0711	Advanced Pottery and Sculpture	5			0710		•	•	•	•
0720	Drawing	5			0705		•	•	•	•
0721	Advanced Drawing	5			0720			•	•	•
0722	Painting	5			0720			•	•	•
0730 A/B	Advanced Studio Art	10			0721+			•	•	•
0706 A/B	Introduction to IB Visual Arts	10	10-11		0705			•		
0727 A/B	IB Visual Arts SL	10	11-12		0706			•		
0728 A/B	IB Visual Arts HL I	10	11		0706			•		
0729 A/B	IB Visual Arts HL II	10	12		0728			•		

F = Fulfills Fine and Performing Arts Graduation Requirement

† = See course descriptions for additional requirements

Please refer to each course description for prerequisites.

Note that Art Foundations is the prerequisite course for all art courses except for the following two courses:

- Color and Design
- Art History: Art Through the Ages

## ART

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:** Art History: Art Through the Ages is an art history class that investigates the many roles of the visual arts and artists through historical, political, and other social contexts. This is a non-production art class. It is not a prerequisite for any other art course, but is highly recommended for enrollment in Advanced Studio Art. This course fulfills the Fine and Performing Arts Graduation Requirement.

**Prerequisites:** None

### 0704 COLOR AND DESIGN

5 Credits

**Description:** This course gives the student an opportunity to explore the expressive qualities of color and design theory. Projects will involve two-dimensional and three-dimensional media. This course is not a prerequisite for any other art course. This course fulfills the Fine and Performing Arts Graduation Requirement.

**Prerequisites:** None



**0705 ART FOUNDATIONS**

5 Credits

**Description:** This course enables students to communicate ideas through a variety of media and techniques. Students will work with the elements of art and the principles of design through exploration of both two-dimensional and three-dimensional art forms. In addition to art production, students will use a variety of learning strategies including reading, analyzing, and responding to develop a deeper understanding of art. This course fulfills the Fine and Performing Arts Graduation Requirement and is a prerequisite for most art courses.

**Prerequisites:** None

**0706 INTRODUCTION TO IB VISUAL ARTS**

10-11

North only

10 Credits

**Description:** This course will introduce the student to the IB perspective through art curriculum developed by Millard Public Schools. Students will be involved in studio production and the development of a research workbook. Studio production will emphasize the following: exploration of visual design, personal and global influences on artwork created, technical skill development, and production of work with imagination, originality and creativity. 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. A variety of media will be incorporated into the curriculum. Projects will include the following: observational drawing, contour drawing, design concepts, fantasy and surrealism, and perspective units.

**Prerequisites:** Art Foundations

**0709 COMMERCIAL GRAPHIC DESIGN**

5 Credits

**Description:** In Commercial Graphic Design, students will explore and experience the numerous aspects of computerized graphic design and advertising utilizing technology as a tool to relay principles of artistic design. A visual arts approach, including the principles of art, will be emphasized which includes the essential areas of typography, layout, design and illustration.

**Prerequisites:** Drawing

**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. Introduction to the potter's wheel is covered as well as simple glaze methods. In addition to art production, students will use a variety of learning strategies including reading, responding, and analyzing to develop a deeper understanding of art.

**Prerequisites:** Art Foundations

**0711 ADVANCED POTTERY AND SCULPTURE**

5 Credits

**Description:** This is a course that involves three-dimensional art production. Students learn advanced hand-building and sculpture techniques, further development on the potter's wheel, more complex glaze application, and surface decoration. In addition to art production, students will use a variety of learning strategies including reading, responding, and analyzing to develop a deeper understanding of art.

**Prerequisites:** Pottery and Sculpture

**0720 DRAWING**

5 Credits

**Description:** Drawing is a course that provides students with an in-depth study of drawing techniques, processes, and media. In addition to art production, students will use a variety of learning strategies including reading, responding, and analyzing to develop a deeper understanding of art.

**Prerequisites:** Art Foundations

**0721 ADVANCED DRAWING**

5 Credits

**Description:** This course provides the student an advanced experience in drawing techniques, composition development, and media. In addition to art production, students will use a variety of learning strategies including reading, responding, and analyzing to develop a deeper understanding of art.

**Prerequisites:** Drawing

**0722 PAINTING**

5 Credits

**Description:** Painting is a course designed to give students an in-depth experience in painting techniques and media usage. Students will develop an understanding of realistic, abstract, and non-objective painting styles. In addition to art production, students will use a variety of learning strategies including reading, writing, and analyzing to develop a deeper understanding of art.

**Prerequisites:** Drawing

**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:** Introduction to IB Visual 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:** Introduction to IB Visual 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.

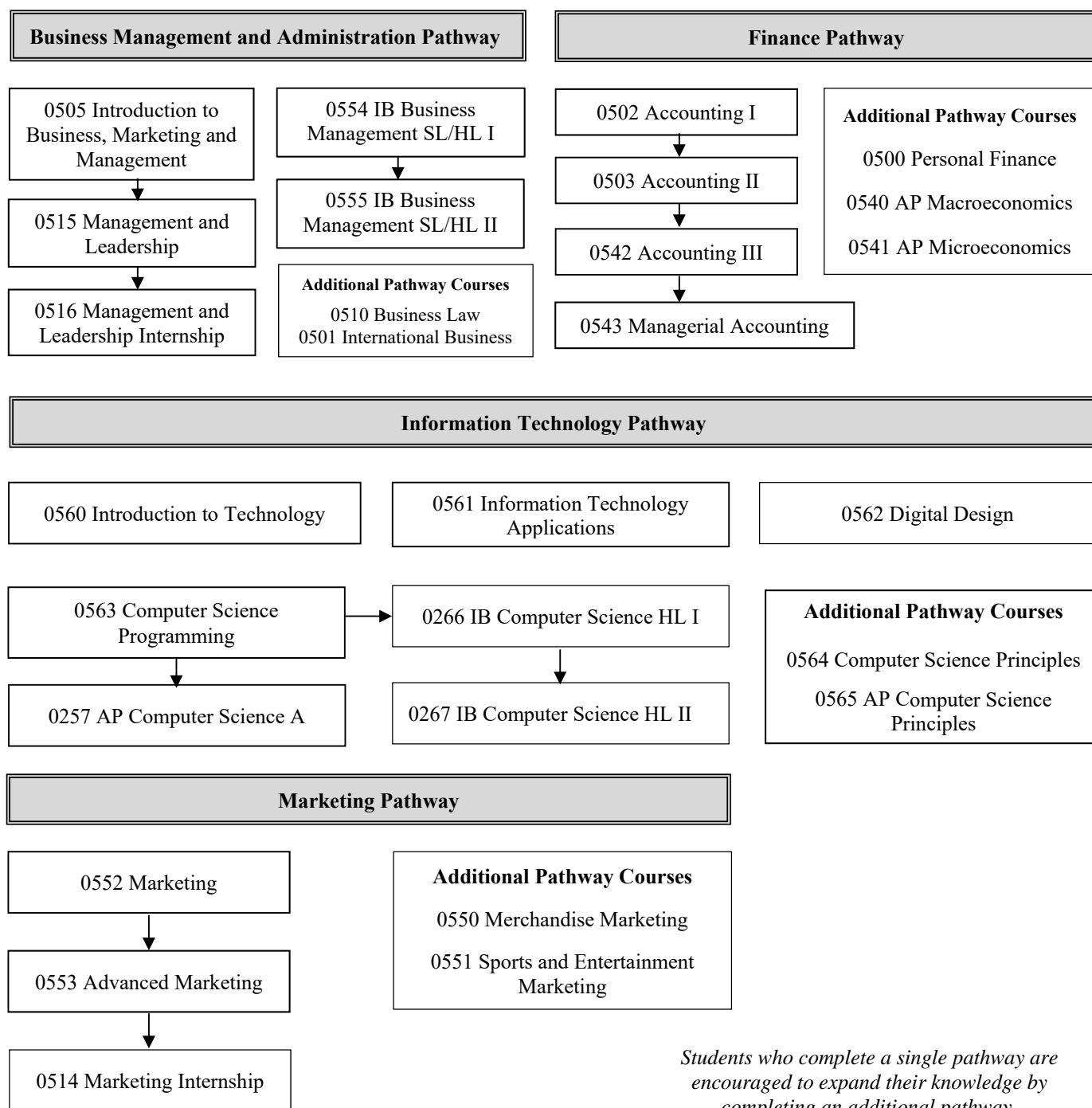
**Prerequisites:** IB Visual Arts HL I

**0730 ADVANCED STUDIO ART****10 Credits**

**Description:** This is an intensive two-semester studio art class designed for the serious art student. Students will complete assigned projects each semester following the specific art curriculum. Artwork will be compiled into a personal portfolio. This portfolio can be used for possible submission to art schools or universities. Art History: Art Through the Ages is recommended, but not required.

**Prerequisites:** Advanced Drawing, plus two other offerings in the visual arts.

# BUSINESS AND INFORMATION TECHNOLOGY



The following stand-alone course is not part of any pathway and may be taken at any time.

0504 Keyboarding & Input Technology

## BUSINESS AND INFORMATION TECHNOLOGY

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>BUSINESS AND INFORMATION TECHNOLOGY</b>										
	<b>Business Management and Administration Pathway</b>									
0505	Introduction to Business Marketing and Management	5						•	•	•
0515	Management and Leadership	5	11-12					•	•	•
0516 A/B	Management and Leadership Internship	10	11-12		†			•	•	•
0510	Business Law	5						•	•	•
0501	International Business	5						•	•	•
0554 A/B	IB Business Management SL/HL I	10	11					•		
0555 A/B	IB Business Management SL/HL II	10	12		0554			•		
	<b>Finance Pathway</b>									
0500	Personal Finance	5		FL			•	•	•	•
0502	Accounting I	5						•	•	•
0503	Accounting II	5			0502			•	•	•
0542	Accounting III	5			0503			•	•	•
0543	Managerial Accounting	5			0542			•	•	•
0540	AP Macroeconomics	5			0204 or 0211			•	•	•
0541	AP Microeconomics	5			0204 or 0211			•	•	•
	<b>Information Technology Pathway</b>									
0560	Introduction to Technology	5						•	•	•
0561	Information Technology Applications	5					•	•	•	•
0562	Digital Design	5						•	•	•
0563	Computer Science Programming	5						•	•	•
0564	Computer Science Principles	5						•	•	•
0257 A/B	AP Computer Science A	10			0563			•	•	•
0565 A/B	AP Computer Science Principles	10			0204 or 0211			•	•	•
0266 A/B	IB Computer Science HL I	10	11		0563			•		
0267 A/B	IB Computer Science HL II	10	12		0266			•		
	<b>Marketing Pathway</b>									
0550	Merchandise Marketing	5						•	•	•
0551	Sports and Entertainment Marketing	5						•	•	•
0552 A/B	Marketing	10	11-12					•	•	•
0553 A/B	Advanced Marketing	10	11-12		0552			•	•	•
0514 A/B	Marketing Internship	10	11-12		0552 or 0553†			•	•	•
	<b>Stand-Alone Course</b>									
0504	Keyboarding and Input Technology	5						•	•	•

FL = Fulfills Financial Literacy Graduation Requirement

† = See course descriptions for additional requirements.

## BUSINESS AND INFORMATION TECHNOLOGY

### STAND-ALONE COURSE

#### 0504 KEYBOARDING AND INPUT TECHNOLOGY

5 Credits

**Description:** Students will develop mastery of the keyboard with efficient keyboarding techniques, development of speed and accuracy, and proper care of the equipment. Students will learn to format letters, papers, and reports. Students will acquire keyboarding skills to support personal and/or career applications. Students will apply the ethical, legal and social responsibilities of computing.

**Prerequisites:** None

## BUSINESS MANAGEMENT AND ADMINISTRATION PATHWAY

### 0505 INTRODUCTION TO BUSINESS MARKETING AND MANAGEMENT

5 Credits

**Description:** Students will explore the economic roles of consumer, worker, and citizen. Students will learn the basics of the business world and how it functions. Students will examine economics, accounting, marketing, management, and entrepreneurship. Concepts in this course will provide a background for other business courses students may take in high school or college, 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. Students will learn what makes people successful and begin developing these traits. Major topics include the management functions of planning, organization, directing, and controlling. The intra-personal and human relations aspects of management are covered. This course is recommended for all students planning to major in Business in college.

**Prerequisites:** None

### 0516 MANAGEMENT AND LEADERSHIP INTERNSHIP

11-12

10 Credits

**Description:** Through this Internship, students will apply concepts studied in the Management and Leadership course. Internship experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students apply technical skills to address business applications of emerging technologies. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions. Students enrolled in the Management and Leadership Internship must work an average of 10 hours per week. Students may enroll in only one internship course within the same semester.

**Prerequisites:** Concurrent enrollment with Management and Leadership one semester and another Business course the following semester

### 0501 INTERNATIONAL BUSINESS

5 Credits

**Description:** Students will understand the importance of international business and trade in the global economy and explore factors that influence success in the international business environment. Students will analyze techniques and strategies associated with marketing, distribution, and business management in a global economy. Students will explore the relationship of cultural, political, legal, economic, and ethical systems.

**Prerequisites:** None

### 0510 BUSINESS LAW

5 Credits

**Description:** Students will learn the legal principles under which a business operates. Students will develop an appreciation for law and a practical understanding of the legal framework within personal, social, and business functions. Students will analyze court systems, trial procedures, contracts, consumer protection, and civil, criminal, corporate, and consumer law.

**Prerequisites:** None

### 0554 IB BUSINESS MANAGEMENT SL/HL I

11

10 Credits

**Description:** Business Management SL/HL I is year one of an IB Diploma course to develop 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. The course 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 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 SL/HL II****12****10 Credits**

**Description:** Business Management SL/HL II is year two of a business management course in which students 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****5 Credits**

**Description:** Students will learn the skills necessary to manage their financial resources for lifetime financial security. Students will gain knowledge in taxes, banking and financial services, checkbook, savings and investments, retirement, loans and interest, credit card debt, e-commerce, identity fraud and theft, and insurance. 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. This is 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 and interpret financial data. In addition, students will apply the analysis of financial data to propose accounting adjustments. 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 continue 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:** 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® Macroeconomics exam.

**Prerequisites:** Alg I/Geo: Foundations 2 or Algebra I

**0541 ADVANCED PLACEMENT® MICROECONOMICS****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:** Alg I/Geo: Foundations 2 or Algebra I

## INFORMATION TECHNOLOGY PATHWAY

### 0560 INTRODUCTION TO TECHNOLOGY

5 Credits

**Description:** Students will explore multiple aspects of technology such as computer applications, computer programming principles and digital design. Students will use critical thinking and problem solving skills to explore and evaluate emerging technologies and the application for innovation. Students will collaborate to complete projects using input technology and a variety of productivity tools. Students will apply the ethical, legal, and social responsibilities of computing.

**Prerequisites:** None

### 0561 INFORMATION TECHNOLOGY APPLICATIONS

5 Credits

**Description:** Students will think analytically, manipulating information and using the computer as a productivity tool. This course will focus on advanced skill development in word processing, spreadsheet, database, integration of applications utilizing advanced features, and exploring web technologies. Students will apply the ethical, legal, and social responsibilities of computing. Students will practice professional communication techniques by collaborating and communicating via the Internet.

**Prerequisites:** None

### 0562 DIGITAL DESIGN

5 Credits

**Description:** Students will interact with the digital design process model through the use of technology, which includes typography, color, and imagery. Processes include advanced computer navigation, graphic communications design, image generation and assembly, computer desktop publishing, and web page design. Students will apply the ethical, legal, and social responsibilities of computing.

**Prerequisites:** None

### 0563 COMPUTER SCIENCE PROGRAMMING

5 Credits

**Description:** Students will manipulate object-oriented computer language. Students will apply algorithm analysis as well as steps to design, implement, test, and maintain programs. Students will apply the ethical, legal, and social responsibilities of computing.

**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. Completion of this course will prepare students to take the Advanced Placement® Computer Science A exam.

**Prerequisites:** Computer Science Programming

### 0564 COMPUTER SCIENCE PRINCIPLES

5 Credits

**Description:** Students will apply computational thinking to a variety of computing topics. Concepts will include creativity in computing, abstraction, data and information, algorithms, programming, the Internet, and the global impacts of computing. Students will apply the ethical, legal, and social responsibilities of computing.

**Prerequisites:** None

### 0565 ADVANCED PLACEMENT® COMPUTER SCIENCE PRINCIPLES

10 Credits

**Description:** The student will focus on the creative aspect of computing and computational thinking practices that enable them to experience how computing impacts everyday lives. Students will apply the ethical, legal and social responsibilities of computing. This course will prepare students to take the Advanced Placement® Computer Science Principles exam.

**Prerequisites:** Alg I/Geo: Foundations 2 or Algebra I

### 0266 IB COMPUTER SCIENCE HL I

11

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 and completion of or concurrent enrollment in Algebra II

**0267 IB COMPUTER SCIENCE HL II****12****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 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

**MARKETING PATHWAY****0550 MERCHANDISE MARKETING****5 Credits**

**Description:** Students will develop skills in the areas of forecasting, target market analysis, and retail environment management. Merchandise Marketing is a specialized course to develop marketing knowledge and skills in the areas of merchandising and fashion. Students enrolled in this course are eligible to participate in DECA.

**Prerequisites:** None

**0551 SPORTS AND ENTERTAINMENT 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 sports and entertainment industry. Sports and Entertainment Marketing is a specialized course to develop marketing knowledge and skills related to the growing sports and entertainment industry. Students enrolled in this course are eligible to participate in DECA.

**Prerequisites:** None

**0552 MARKETING****11-12****10 Credits**

**Description:** Students will understand basic marketing and economic concepts, legal and ethical issues, selling, advertising and promotion. Students will apply communication, interpersonal, leadership, technology skills, employability, and career development strategies. Students enrolled in this course are eligible to participate in DECA.

**Prerequisites:** None

**0553 ADVANCED MARKETING****11-12****10 Credits**

**Description:** Students will apply concepts of business development to conduct market research analysis, create start-up plans and propose promotional activities for current businesses and local organizations. Students will demonstrate communication, interpersonal, leadership, technology skills, employability, and career development strategies in project-based activities. Students enrolled in this course are eligible to participate in DECA.

**Prerequisites:** Marketing

**0514 MARKETING INTERNSHIP****11-12****10 Credits**

**Description:** Students will enhance their skills in areas of advertising, customer service, display, employer/employee relationships, pricing, sales, and merchandise activities through part-time employment. Students must work an average of 10 hours per week to receive credit. Students enrolled in this course are eligible to participate in DECA. Students may enroll in only one internship course within the same semester.

**Prerequisites:** Concurrent enrollment in Marketing or Advanced Marketing



## ENGLISH LANGUAGE LEARNER (ELL) MILLARD SOUTH ONLY

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>ENGLISH LANGUAGE LEARNER (ELL)</b>										
0989 A/B/C	ELL Basic Beginner	15			†				•	
0990 A/B/C	ELL Beginner	15			†				•	
0991 A/B	ELL Low Intermediate	10			†				•	
0992	ELL High Intermediate	5			†				•	
0993	ELL Advanced	5			†				•	

† = See course descriptions for additional requirements.

### ENGLISH LANGUAGE LEARNER (ELL)

#### 0989 ELL BASIC BEGINNER (LEVEL 1)

15 Credits

**Description:** This course is designed for students who are beginning to learn English as an additional language. Students enroll in three blocks of this course each semester. Students learn to identify key words and phrases in oral communications and simple oral and written texts, express an opinion, and identify a point an author or speaker makes. They participate in short conversational and written exchanges, communicate information about familiar texts and topics, and gather information from a few provided print and digital sources. Students learn to recognize the meaning of words learned through conversations, reading and being read to, as well as frequently occurring words, simple phrases and formulaic expressions. Students learn to communicate basic information about an event or topic and to recognize and use frequently occurring nouns, noun phrases, verbs, conjunctions, and prepositions. They also acquire language to understand and respond to simple questions.

**Prerequisites:** Qualification as Limited English Proficient (LEP) by the ELL Department. This course may be repeated.

#### 0990 ELL BEGINNER (LEVEL 2)

15 Credits

**Description:** This course is designed for students who have begun to learn English as an additional language, but still require language support. Students enroll in three blocks of this course each semester. Students learn to identify the main topic and retell a few key details in oral presentations and simple oral and written texts, to construct a claim about familiar topics, and to identify the main argument an author or speaker gives. They participate in short conversational and written exchanges. They will deliver short oral presentations, compose written narratives or informational papers about familiar texts, topics and experiences, and gather information from provided print and digital sources. Students learn to adapt language choices to task and audience and to use some frequently occurring general academic and content-specific words in conversation and discussion. Students learn to determine the meaning of frequently occurring words, phrases, and expressions in texts, experiences, or events as well as to recount a short sequence of events in order. They also learn to use frequently occurring verbs, nouns, adjectives, adverbs, prepositions, and conjunctions to produce simple and compound sentences.

**Prerequisites:** Qualification as Limited English Proficient (LEP) by the ELL Department and/or demonstration of mastery of objectives of ELL Basic Beginner course. This course may be repeated.

**0991 ELL LOW INTERMEDIATE (LEVEL 3)**

10 Credits

**Description:** This course is designed for students who are learning English as an additional language. Students enroll in two blocks of this course each semester. Students learn to determine and explain the central idea or theme in oral presentations and written texts, to construct a claim about familiar topics, and to explain the reasons an author or a speaker gives to support a claim. They participate in conversations, discussions, and written exchanges on familiar topics, texts, and issues. They deliver short oral presentations, compose written informational papers, and carry out short research projects. Students learn to adapt language choices and style according to purpose, task, and audience. Students learn to determine the meaning of general academic and content-specific words and phrases and frequently occurring expressions. They also acquire language to recount a sequence of events, use simple phrases and clauses, and produce and expand simple, compound and a few complex sentences.

**Prerequisites:** Qualification as Limited English Proficient (LEP) by the ELL Department and/or demonstration of mastery of objectives of ELL Beginner course. This course may be repeated.

**0992 ELL HIGH INTERMEDIATE (LEVEL 4)**

5 Credits

**Description:** This course is designed for students who are learning English as an additional language. Students enroll in one block of this course each semester. Students learn to determine two central ideas or themes, and analyze their development in oral presentations and written texts, to construct a claim and provide logically ordered reasons or facts that support the claim, and to analyze the reasoning and use of rhetoric in persuasive texts or speeches. Students participate in conversations, discussions, and written exchanges. They deliver oral presentations, compose written informational papers, and carry out both short and more sustained research projects. Students learn to adapt language choices and style according to purpose, task, and audience. They learn to determine the meaning of general academic and content-specific words and phrases, figurative language, and a growing number of idiomatic expressions in texts. They acquire language to recount longer, more detailed sequence of events and to use increasingly complex phrases and clauses, and produce and expand simple, compound, and complex sentences.

**Prerequisites:** Qualification as Limited English Proficient (LEP) by the ELL Department and/or demonstration of mastery of objectives of ELL Low Intermediate course. This course may be repeated.

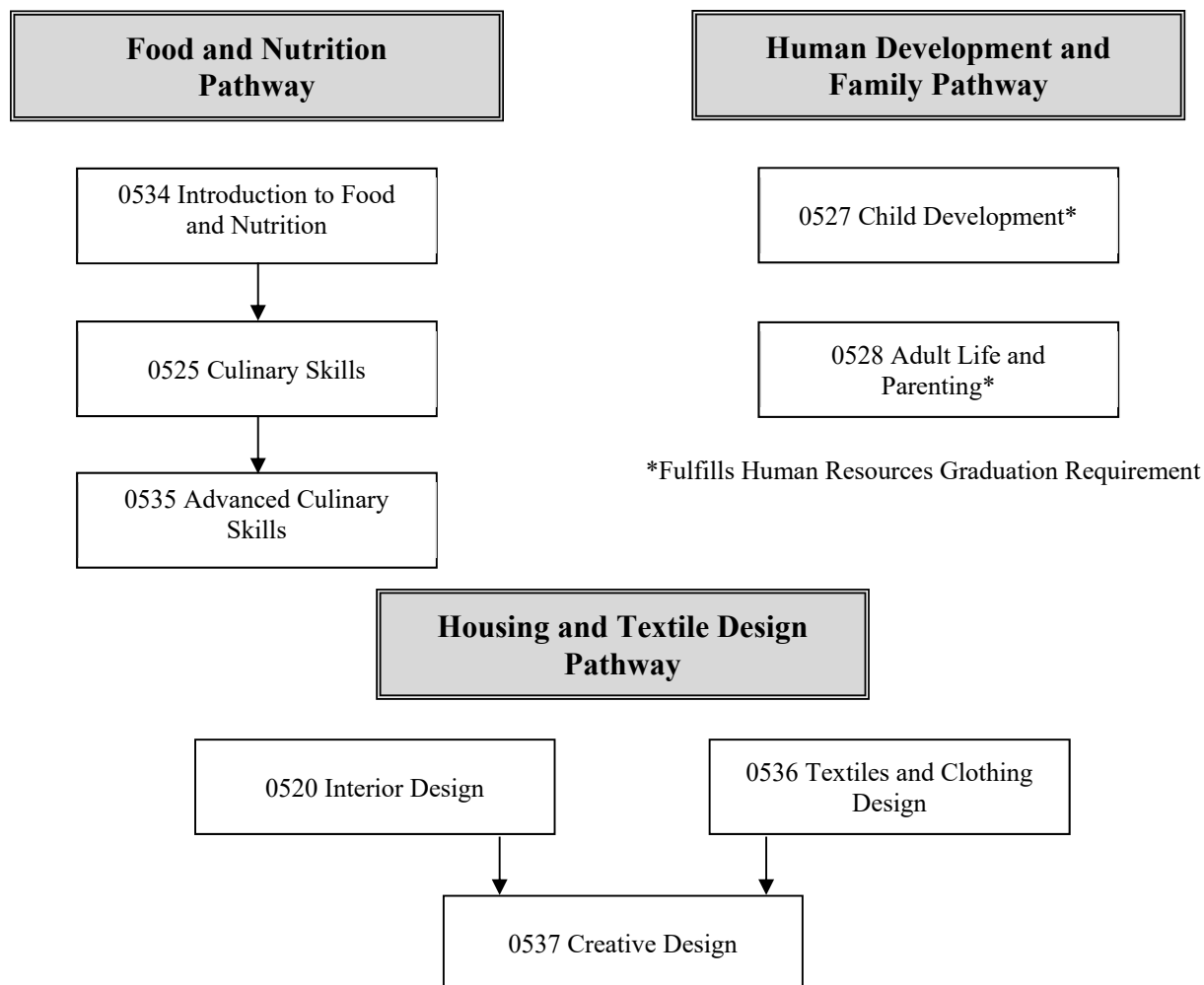
**0993 ELL ADVANCED (LEVEL 5)**

5 Credits

**Description:** This course is designed for students who are learning English as an additional language. Students enroll in one block of this course each semester. Students learn to determine central ideas or themes in presentations and written texts, to construct a substantive claim, and to analyze and evaluate the reasoning and use of rhetoric in persuasive texts. Students participate in extended conversations, discussions, and written exchanges on a range of substantive topics, texts, and issues. They deliver oral presentations, compose written informational papers, carry out both short and more sustained research projects, and evaluate the reliability of sources. Students learn to adapt language choices and style according to purpose, task, and audience. They learn to determine the meaning of general academic and content-specific words and phrases, figurative language, and idiomatic expressions in texts. Students learn to recount a complex and detailed sequence of events or steps in a process. They also acquire language to use complex phrases and clauses, and to produce and expand simple, compound, and complex sentences.

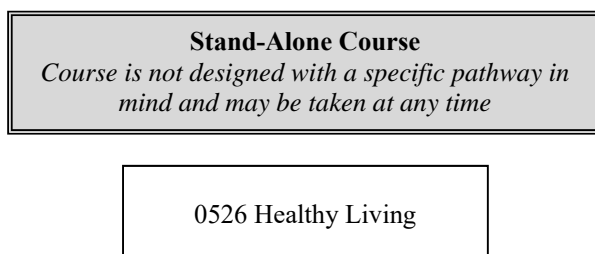
**Prerequisites:** Qualification as Limited English Proficient (LEP) by the ELL Department and/or demonstration of mastery of objectives of ELL High Intermediate course. This course may be repeated.

## FAMILY AND CONSUMER SCIENCES



Students who have enrolled in Family and Consumer Sciences courses may participate in Family, Career and Community Leaders of America (FCCLA).

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



Healthy Living is required of all students to meet state-mandated health education requirements. This course must be taken before the start of 12<sup>th</sup> grade, 10<sup>th</sup> grade preferred.

## FAMILY AND CONSUMER SCIENCES

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>FAMILY AND CONSUMER SCIENCE</b>										
0520	Interior Design	5						•	•	•
0525	Culinary Skills	5			0523 or 0534			•	•	•
0526	Healthy Living	5	9-11	H			•	•	•	•
0527	Child Development	5		HR			•	•	•	•
0528	Adult Life and Parenting	5		HR			•	•	•	•
0534	Introduction to Food and Nutrition	5						•	•	•
0535	Advanced Culinary Skills	5			0525			•	•	•
0536	Textiles and Clothing Design	5						•	•	•
0537	Creative Design	5			0520 or 0533 or 0536			•	•	•

H = Fulfills Health Education Graduation Requirement

HR = Fulfills Human Resources Graduation Requirement

## FAMILY AND CONSUMER SCIENCES

### 0534 INTRODUCTION TO FOOD AND NUTRITION

5 Credits

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

**Prerequisites:** None

### 0525 CULINARY SKILLS

5 Credits

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

**Prerequisites:** Introduction to Food and Nutrition or Foods For Today (before 2018-2019)

### 0535 ADVANCED CULINARY SKILLS

5 Credits

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

**Prerequisites:** Culinary Skills

### 0520 INTERIOR DESIGN

5 Credits

**Description:** Students will evaluate and create floor plans for residential spaces. Students will utilize the elements and principles of design to create aesthetically pleasing spaces while considering functionality and eco-friendly design. Interior design is a project-oriented class that will use technology to enhance learning.

**Prerequisites:** None

### 0536 TEXTILES AND CLOTHING DESIGN

5 Credits

**Description:** Students will learn clothing construction techniques and garment design while working individually and collaboratively. Students will research careers in the textile, clothing, and design industry to explore employment and entrepreneurial endeavors. Students will design and create their own textile project using digital sewing equipment and patterns.

**Prerequisites:** None

**0537 CREATIVE DESIGN**

5 Credits

**Description:** Students will be using reasoning skills to solve practical real-world problems in the areas of fashion design and interior design. Students will create individualized design projects to be documented in a professional portfolio.

**Prerequisites:** Interior Design or Textiles and Clothing Design or Clothing, Textiles and Design (before 2018 – 2019)

**0527 CHILD DEVELOPMENT**

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

**0528 ADULT LIFE AND PARENTING**

5 Credits

**Description:** Students will analyze factors that influence human growth and development through a lifespan. Class activities will focus on impacts of life events, resource management, and support systems required throughout life. The course helps students enhance interpersonal relationships and understand the effect of these relationships on families, work, and society. This course fulfills the Human Resources Graduation Requirement.

**Prerequisites:** None

**0526 HEALTHY LIVING****9-11 (10<sup>th</sup> grade preferred)**

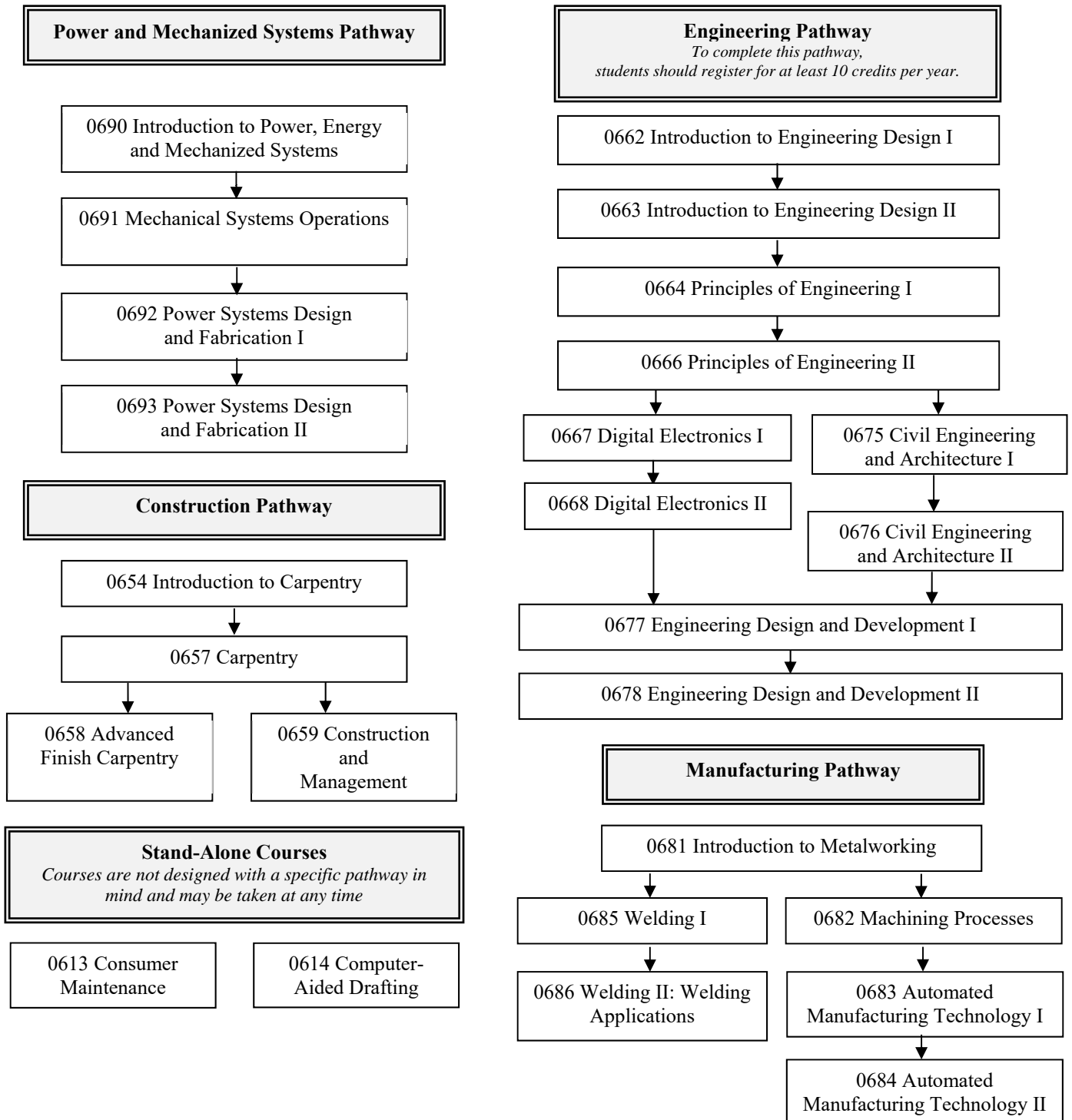
5 Credits

**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

# INDUSTRIAL TECHNOLOGY SKILLED AND TECHNICAL SCIENCES (STS)



Students who complete a single pathway are encouraged to expand their knowledge through an additional pathway. Students should begin the second pathway with the course listed below (which in some cases exempts them from a prerequisite course):

- Power and Mechanized Systems Pathway: Introduction to Power, Energy and Mechanized Systems
- Engineering Pathway: Introduction to Engineering Design I
- Construction Pathway: Carpentry
- Manufacturing Pathway: Machining Processes or Welding I

# INDUSTRIAL TECHNOLOGY

## SKILLED AND TECHNICAL SCIENCES (STS)

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>INDUSTRIAL TECHNOLOGY Skilled and Technical Sciences (STS)</b>										
	<b>Construction Pathway</b>									
0654	Introduction to Carpentry	5						•	•	•
0657	Carpentry	5			0654			•	•	•
0658	Advanced Finish Carpentry	5			0657			•	•	•
0659	Construction and Management	5			0657			•	•	•
	<b>Engineering Pathway</b>									
0662	Introduction to Engineering Design I	5						•	•	•
0663	Introduction to Engineering Design II	5			0662			•	•	•
0664	Principles of Engineering I	5			0663			•	•	•
0666	Principles of Engineering II	5			0664			•	•	•
0667	Digital Electronics I	5			0666			•	•	•
0668	Digital Electronics II	5			0667			•	•	•
0675	Civil Engineering and Architecture I	5			0663			•	•	•
0676	Civil Engineering and Architecture II	5			0675			•	•	•
0677	Engineering Design and Development I	5			0668 or 0676			•	•	•
0678	Engineering Design and Development II	5			0677			•	•	•
	<b>Manufacturing Pathway</b>									
0681	Introduction to Metalworking	5						•	•	•
0682	Machining Processes	5			0681			•	•	•
0683 A/B	Automated Manufacturing Technology I	10			0682			•	•	•
0684 A/B	Automated Manufacturing Technology II	10			0683			•	•	•
0685	Welding I	5			0681			•	•	•
0686	Welding II: Welding Applications	5			0685			•	•	•
	<b>Power, Energy and Mechanized Systems Pathway</b>									
0690	Introduction to Power, Energy, and Mechanized Systems	5						•	•	•
0691	Mechanical Systems Operations	5			0690			•	•	•
0692	Power Systems Design and Fabrication I	5			0691			•	•	•
0693	Power Systems Design and Fabrication II	5			0692			•	•	•
	<b>Stand-Alone Courses</b>									
0613	Consumer Maintenance	5						•	•	•
0614	Computer-Aided Drafting	5					•	•	•	•

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 the cost of consumable materials or provide appropriate personal equipment. Students who qualify for free and reduced waivers should discuss cost with their instructors.

<b>INDUSTRIAL TECHNOLOGY SKILLED AND TECHNICAL SCIENCES (STS)</b>
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**STAND-ALONE COURSES****0613 CONSUMER MAINTENANCE**

5 Credits

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

**Prerequisites:** None

**0614 COMPUTER-AIDED DRAFTING**

5 Credits

**Description:** Computer-Aided Drafting introduces the students to the software tools and techniques used in the drafting industry. Activities prepare the students for design communication in all areas of industrial technology.

**Prerequisites:** None

**CONSTRUCTION PATHWAY****0654 INTRODUCTION TO CARPENTRY**

5 Credits

**Description:** Introduction to Carpentry provides instruction in the use and care of hand tools and portable power equipment. Fundamental principles of construction design, fabrication, and career exploration are also addressed.

**Prerequisites:** None

**0657 CARPENTRY**

5 Credits

**Description:** Carpentry provides students with the introductory skills and knowledge needed to correctly perform construction/woodworking operations using hand tools and power equipment. Instruction emphasizes safe, proper operation and care of equipment, selection of construction materials, understanding processes, and the importance of design.

**Prerequisites:** Introduction to Carpentry

**0658 ADVANCED FINISH CARPENTRY**

5 Credits

**Description:** Advanced Finish Carpentry provides students with advanced skills and knowledge needed to perform upper level construction/woodworking operations using power equipment. Students will obtain job-related, entry-level skills in cabinet design, material selection, and construction.

**Prerequisites:** Carpentry

**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 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:** Carpentry



## ENGINEERING PATHWAY

The following engineering courses are part of *Project Lead the Way*®, a nationally-recognized Science, Technology, Engineering, and Mathematics (STEM) curriculum.

To complete this pathway, students should register for at least 10 credits per year.

### 0662 INTRODUCTION TO ENGINEERING DESIGN I

5 Credits

**Description:** Introduction to Engineering Design I encourages students to use a problem-solving model to improve existing products and invent new ones. They learn how to apply this model to solve any problems, even outside of the classroom. Students use sophisticated three-dimensional modeling software to communicate the details of these products. Emphasis is placed on analyzing potential solutions and communicating ideas to others.

**Prerequisites:** None

### 0663 INTRODUCTION TO ENGINEERING DESIGN II

5 Credits

**Description:** Introduction to Engineering Design II continues to encourage students to use a problem-solving model to improve existing products and invent new ones. They learn how to apply this model to solve any problems, even outside of the classroom. Students use sophisticated three-dimensional modeling software to communicate the details of these products. Emphasis is placed on analyzing potential solutions and communicating ideas to others.

**Prerequisites:** Introduction to Engineering Design I

### 0664 PRINCIPLES OF ENGINEERING I

5 Credits

**Description:** Principles of Engineering I helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use mathematics, science, and technology in an engineering problem-solving process to benefit people.

**Prerequisites:** Introduction to Engineering Design II

### 0666 PRINCIPLES OF ENGINEERING II

5 Credits

**Description:** Principles of Engineering II continues to help students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use mathematics, science, and technology in an engineering problem-solving process to benefit people.

**Prerequisites:** Principles of Engineering I

### 0667 DIGITAL ELECTRONICS I

5 Credits

**Description:** Digital Electronics I explores the application of electronic circuits and devices. Students use their knowledge of both computer simulation and breadboards to design, build and test their own circuits. Students will use a mathematical logic approach to simplify complex circuits.

**Prerequisites:** Principles of Engineering II

### 0668 DIGITAL ELECTRONICS II

5 Credits

**Description:** Digital Electronics II continues to explore the application of electronic circuits and devices. Students use their knowledge of both computer simulation and breadboards to design, build and test their own circuits. Students will use a mathematical logic approach to simplify complex circuits.

**Prerequisites:** Digital Electronics I

### 0675 CIVIL ENGINEERING AND ARCHITECTURE I

5 Credits

**Description:** Civil Engineering and Architecture I utilizes teams of students to collaborate on the development of community-based projects and conceptual design for project presentations.

**Prerequisites:** Principles of Engineering II

### 0676 CIVIL ENGINEERING AND ARCHITECTURE II

5 Credits

**Description:** Civil Engineering and Architecture II continues to utilize teams of students to collaborate on the development of community-based projects and conceptual design for project presentations.

**Prerequisites:** Civil Engineering and Architecture I

### 0677 ENGINEERING DESIGN AND DEVELOPMENT I

5 Credits

**Description:** Engineering Design and Development I is an engineering research course in which students work in teams to research, design, and construct a solution to an open-ended engineering problem.

**Prerequisites:** Civil Engineering and Architecture II or Digital Electronics II

**0678 ENGINEERING DESIGN AND DEVELOPMENT II**

5 Credits

**Description:** Engineering Design and Development II is an engineering research course in which students work in teams to research, design, and construct a solution to an open-ended engineering problem.

**Prerequisites:** Engineering Design and Development I

## **MANUFACTURING PATHWAY**

**0681 INTRODUCTION TO METALWORKING**

5 Credits

**Description:** Introduction to Metalworking introduces the student to tools, materials, and manufacturing techniques and processes in the areas of welding, sheet metal, foundry, plastics, and bench metals.

**Prerequisites:** None

**0682 MACHINING PROCESSES**

5 Credits

**Description:** Machining Processes develops technical skills in the areas of machining, foundry, bench metal, and sheet metal. The student will create simple sketches and apply the menus in drafting software while learning turning and milling operations and computerized machining.

**Prerequisites:** Introduction to Metalworking

**0683 AUTOMATED MANUFACTURING TECHNOLOGY I**

10 Credits

**Description:** Automated Manufacturing Technology I provides advanced skill development in machining, foundry, and sheet metal. The student will also become familiar with Computer Numerical Control (C.N.C.) lathe and milling operations, program writing, and Computer Aided Manufacturing (C.A.M.) which allows the student to design, program, and produce a product through computer use.

**Prerequisites:** Machining Processes

**0684 AUTOMATED MANUFACTURING TECHNOLOGY II**

10 Credits

**Description:** Automated Manufacturing Technology II is a continuation of Automated Manufacturing Technology I. An introduction to machines, tools, and processes associated with the machine trade is included. Fundamentals in bench layout, basic machine tool operation, metal removal processes, measuring devices, and classifications of materials in industry are explored.

**Prerequisites:** Automated Manufacturing Technology I

**0685 WELDING I**

5 Credits

**Description:** Welding I develops welding skills in flat position arc, oxyacetylene welding, brazing, and gas and plasma cutting, gas metal arc and gas tungsten arc welding.

**Prerequisites:** Introduction to Metalworking

**0686 WELDING II: WELDING APPLICATIONS**

5 Credits

**Description:** Welding II: Welding Applications covers fundamental understanding and skills in the safe use of arc welding equipment. Typical operations include striking the arc, making fillet welds in the flat and horizontal positions and groove welds in the flat position. A variety of methods are used to examine the weldments.

**Prerequisites:** Welding I

## POWER, ENERGY, AND MECHANIZED SYSTEMS PATHWAY

### 0690 INTRODUCTION TO POWER, ENERGY, AND MECHANIZED SYSTEMS

5 Credits

**Description:** Introduction to Power, Energy, and Mechanized Systems is a pre-robotics course that uses multiple hands-on experiences to demonstrate how power is produced and mechanisms are utilized to move a vehicle from point A to point B faster and more efficiently. Through individual and group projects, students will be challenged to engineer, construct and test vehicles using mechanical, electrical, robotic, wind, solar and chemical power. When this course is completed, students will have a better understanding of basic concepts of engineering, mechanical, electrical, critical thinking, and problem solving skills. Students will also gain a better understanding of potential career opportunities and additional courses available in the Power, Energy, and Mechanized Systems pathway.

**Prerequisites:** None

### 0691 MECHANICAL SYSTEMS OPERATIONS

5 Credits

**Description:** Mechanical Systems Operations is an introduction to robotics course that offers students an exciting platform for learning. Through completing computer-based curriculum, hands-on programmable robotics projects, and dramatic challenges, students will build, program and operate their own robot and gain knowledge of electrical mechanisms and sensor technology. Students will work in teams and individually to problem solve real-life challenges.

**Prerequisites:** Introduction to Power, Energy, and Mechanized Systems

### 0692 POWER SYSTEMS DESIGN AND FABRICATION I

5 Credits

**Description:** Power Systems Design and Fabrication I is the first part of a two-part capstone class for the Power Systems Pathway. Through advanced robotics or other mechanical projects, students will start the process of designing, engineering, and constructing a project that explores electrical-powered applications. Students will apply mathematics, science, electrical engineering design, electrical and mechanical skills, and team-based problem solving on projects. Students are encouraged to continue with the second part of this course, 0693 Power Systems Design and Fabrication II.

**Prerequisites:** Mechanical Systems Operations

### 0693 POWER SYSTEMS DESIGN AND FABRICATION II

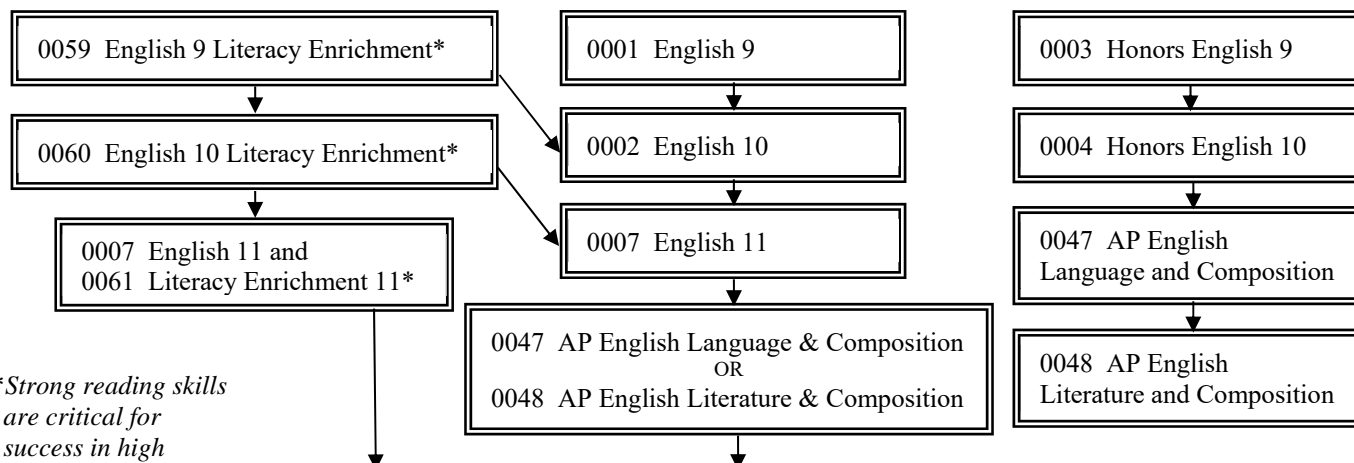
5 Credits

**Description:** Power Systems Design and Fabrication II is the final part of the capstone course for the Power Systems Pathway. Through advanced robotics or other mechanical projects students will finish the process of designing, engineering and constructing a project. Through teamwork, students will continue to apply engineering, electrical, fabrication, and mechanical skills. Students will then have the opportunity to showcase their work in a variety of ways in our community.

**Prerequisites:** Power Systems Design and Fabrication I

## LANGUAGE ARTS

### Preferred Sequences



*\*Strong reading skills are critical for success in high school, college and the work place. These courses fulfill the English requirement for Grades 9 and 10 while also providing elective credits. Selected students who have the need for further development and improvement of reading and writing skills and strategies are recommended for these courses.*

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

#### Oral Communications Graduation Requirement

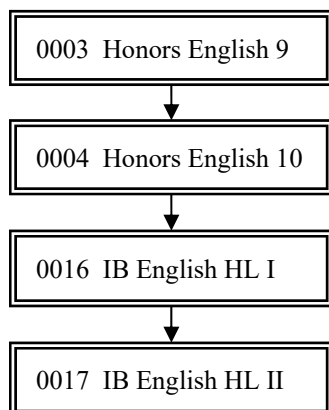
*Students must take at least one of the following in high school.*

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

At North High School the combination of IB Language A1 and IB Language B and Theory of Knowledge I and II fulfills this requirement.

*When planning for post-secondary coursework, note that most universities require four full years of English. Speech or Debate may not count as English for some colleges.*

#### Sequence for North High IB Students



#### Additional General Electives: do not fulfill English credit

- 0013 Yearbook
- 0020 Speech
- 0021 Forensics: Competitive Speech
- 0022 Debate
- 0023 Competitive Debate
- 0024 Theatre and Performance I \*\*
- 0025 Theatre and Performance: Advanced Studies
- 0026 Theatre Technology
- 0039 Theatre Appreciation \*\*
- 0064 Introduction 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

North High only  
North High only  
North High only

\*\* Fulfills Fine and Performing Arts requirement

## LANGUAGE ARTS

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>LANGUAGE ARTS</b>										
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			0001 or 0059	•	•	•	•	•
0060 A/B	English 10 Literacy Enrichment	10/10			†	•	•	•	•	•
0004 A/B	Honors English 10	10			0003	•		•	•	•
0007 A/B	English 11	10			0002 or 0060	•	•	•	•	•
0061 A/B	Literacy Enrichment 11	10			†		•	•	•	•
0047 A/B	AP English Language and Composition	10			0004 or 0007	•		•	•	•
0048 A/B	AP English Literature and Composition	10			0004 or 0007	•		•	•	•
0016 A/B	IB English HL I	10	11		0004	•		•		
0017 A/B	IB English HL II	10	12		0016	•		•		
<b>English Electives</b>										
0033	Creative Writing	5			0004 or 0007	•	•	•	•	•
0035	College Writing	5			0004 or 0007	•		•	•	•
0062	Literacy for Life	5			0007 or 0061		•	•	•	•
0065	Literature and Film	5			0004 or 0007	•		•	•	•
0067	Global Perspectives Through Literature	5			0004, 0007 or 0061	•		•	•	•
0068	Contemporary Literature	5			0004, 0007 or 0061	•	•	•	•	•
0069	Media Analysis	5			0004 or 0007			•	•	•
0076	Popular Genres in Literature	5			0004, 0007 or 0061		•	•	•	•
<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			0024			•	•	•
0026	Theatre Technology	5			0024 or 0039			•	•	•
0039	Theatre Appreciation	5		F				•	•	•
<b>Journalism</b>										
0064	Introduction to Journalism, Photojournalism, and Broadcast Journalism	5						•	•	•
0066 A/B	Advanced Journalism (20 credits at WHS)	10			0064†			•	•	•
0013 A/B	Yearbook (20 credits at WHS)	10			0064†			•	•	•
0077	Broadcast Journalism	5			0064			•	•	•
0073 A/B	IB Film SL	10	11-12					•		
0074 A/B	IB Film HL I	10	11					•		
0075 A/B	IB Film HL II	10	12		0074			•		

F = Fulfills Fine and Performing Arts Graduation Requirement

† = See course descriptions for additional requirements.

OC = Fulfills Oral Communications Graduation Requirement

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

## 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 multi-media texts to prepare for the demands of the 21st 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 (20 at West HS)

**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 HL I**

**11 North only**

10 Credits

**Description:** IB English HL I consists of Part 4 and Part 1 of the IB English curriculum for testing. Part 4 is the “school’s free choice” section which utilizes selections from the IB reading list that encompass the theme Individual and Society. IB required testing over these works is a prepared ten-minute oral presentation. The presentation is worth 15% of the IB English grade. Part 1 is “World Literature” which includes selections from the IB reading list. Part 1 culminates in the writing/preparation of two World Literature papers. Each paper is 10% of the final IB English grade. Students must possess a high level of commitment to close, detailed, and critical examination of world literature. Skills in studying, organizing, and managing time outside of class are essential, as well as the ability to communicate orally.

**Prerequisites:** Honors English 10

### **0017 IB ENGLISH HL II**

**12 North only**

10 Credits

**Description:** IB English HL II consists of Part 2 and Part 3 of the IB English curriculum for testing. Part 2 is the “detailed study” section where students study in detail some of the most important works and/or authors in the major genres of their respective Language A1. All selections are chosen from the IB reading list. IB required testing over these works is a formal oral commentary. The presentation is worth 15% of the IB English grade. Part 3 is “groups of works” which includes selections from the IB reading list. Here, groups of works are selected from the same genre category and studied in depth. Part 3 culminates in the writing of two papers, a commentary and an essay. Each is worth 25% of the English IB grade. Students should be able to think at higher levels such as inference, interpretation, compare-contrast, cause-effect, analysis, evaluation, and speculation. They should be able to write a well-organized, well-supported multi-paragraph essay. Students will be required to reach within themselves to interpret literature using appropriate approaches and techniques.

**Prerequisites:** IB English 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 I 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:** Advanced 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/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 elect to repeat it for additional semesters of theatre experience. Upon successful completion, this course may be repeated 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 elect to repeat it for additional semesters of theatre experience.

**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



**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 (20 at West HS)

**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

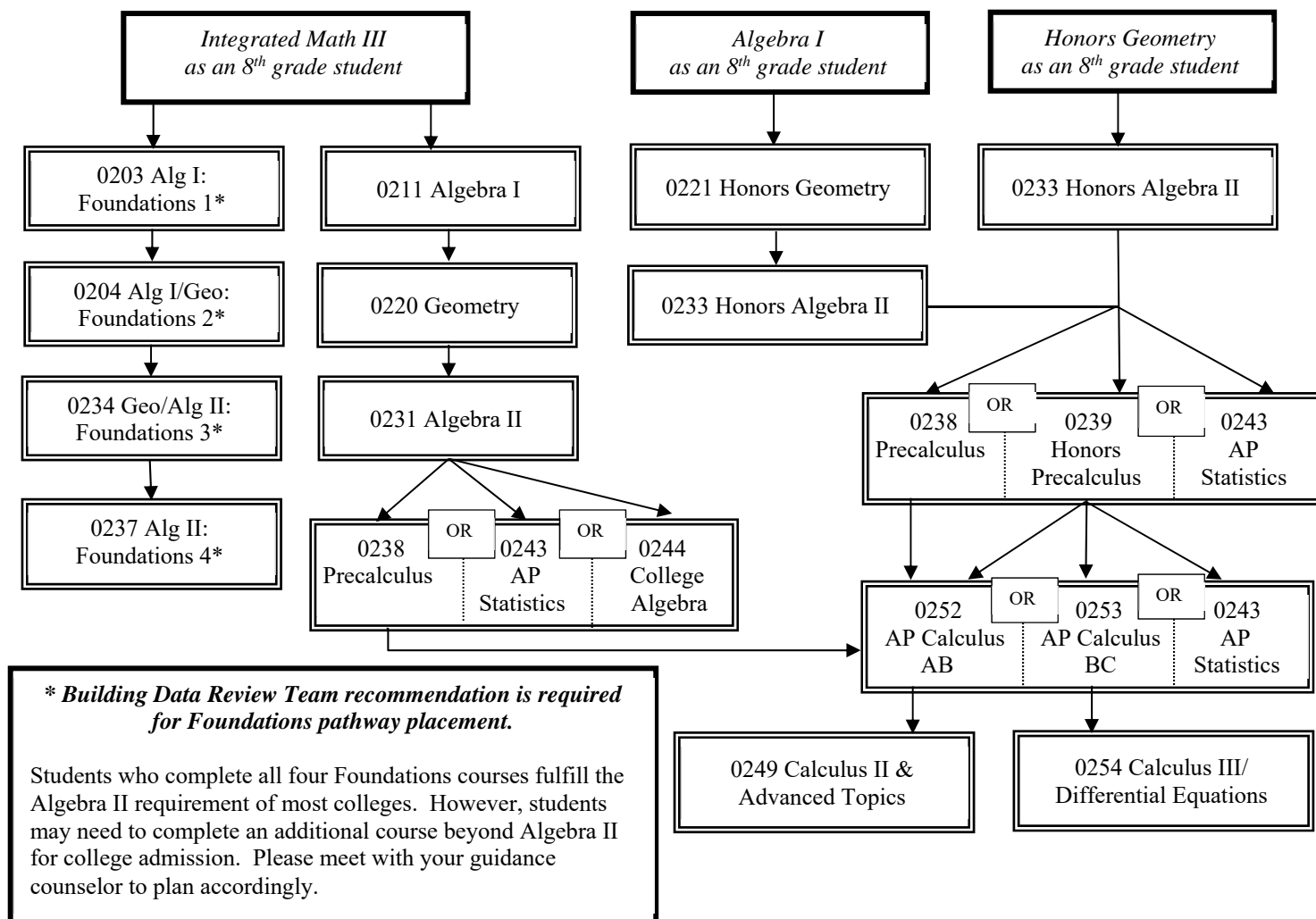
**Description:** Students will create projects in a variety of media, such as video broadcast, website, podcast and social media. Students will expand their media skills of photography and videography, interviewing, reporting, writing, and editing to create professional products while meeting deadlines. 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

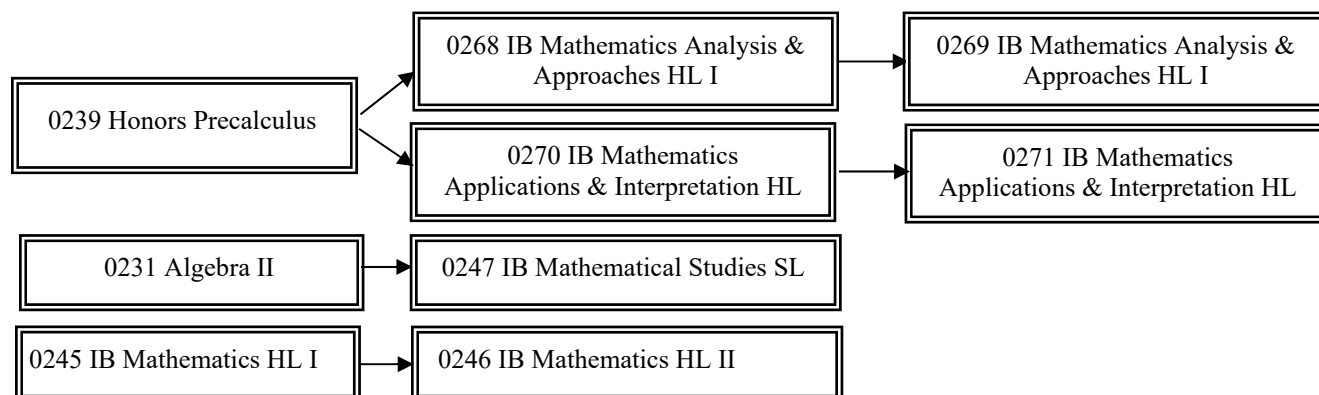
# MATHEMATICS

A student's 8<sup>th</sup> grade mathematics course determines where a student enters this flowchart in 9<sup>th</sup> grade.

Advanced Placement® (AP) Statistics can be taken any time after successful completion of Algebra II and concurrently with another mathematics course.



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



## MATHEMATICS

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>MATHEMATICS</b>										
0203 A/B	Alg I: Foundations 1	10			†	•	•	•	•	•
0204 A/B	Alg I/Geo: Foundations 2	10			0203†	•	•	•	•	•
0211 A/B	Algebra I	10				•	•	•	•	•
0220 A/B	Geometry	10			0211 or 0204†	•	•	•	•	•
0221 A/B	Honors Geometry	10			0211	•		•	•	•
0234 A/B	Geo/Alg II: Foundations 3	10			0204†	•	•	•	•	•
0237 A/B	Alg II: Foundations 4	10			0234†	•	•	•	•	•
0231 A/B	Algebra II	10			0220 or 0234	•	•	•	•	•
0233 A/B	Honors Algebra II	10			0221	•		•	•	•
0244 A/B	College Algebra	10			0231	•	•	•	•	•
0238 A/B	Precalculus	10			0231	•		•	•	•
0239 A/B	Honors Precalculus	10			0233	•		•	•	•
0243 A/B	AP Statistics	10			0231	•		•	•	•
0245 A/B	IB Mathematics HL I	10	11		0239	•		•		
0246 A/B	IB Mathematics HL II	10	12		0245	•		•		
0247 A/B	IB Mathematical Studies SL	10	11-12		0231 or 0233	•		•		
0248 A/B	IB Mathematics SL	10	11-12		0239	•		•		
0249 A/B	Calculus II and Advanced Topics	10			0252	•		•	•	•
0252 A/B	AP Calculus AB	10			0238 or 0239	•		•	•	•
0253 A/B	AP Calculus BC	10			0239	•		•	•	•
0254 A/B	Calculus III/Differential Equations *	10			0253	•		*	*	*
0268 A/B	IB Mathematics Analysis & Approaches HL I	10	11		0233			•		
0269 A/B	IB Mathematics Analysis & Approaches HL II	10	12		0268			•		
0270 A/B	IB Mathematics Applications & Interpretation HL I	10	11		0233			•		
0271 A/B	IB Mathematics Applications & Interpretation HL II	10	12		0270			•		
0272 A/B	IB Mathematics Applications & Interpretation SL	10	11		0231			•		

† = See course descriptions for additional requirements.

All students must successfully complete 30 credits of mathematics in high school in order to meet the minimum graduation requirement. All students should complete 3 to 4 years of mathematics including Algebra II or Alg II: Foundations 4 for minimum college preparation.

School calculators are available for use in all mathematics classes. Students may also use their own calculators.

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

## MATHEMATICS

### 0203 ALG I: FOUNDATIONS 1

10 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 solve linear equations and inequalities and analyze solutions. Successful completion of both Alg I: Foundations 1 and Alg I/Geo: Foundations 2 will satisfy the Algebra I graduation requirement. Upon completion, students should enroll in either Alg I/Geo: Foundations 2 or Algebra I.

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

**0204 ALG I/GEO: FOUNDATIONS 2**

10 Credits

**Description:** Students will investigate and solve problems involving systems of equations, polynomials, exponential equations, and quadratics. They will also study basic two- and three-dimensional geometric concepts including trigonometry and proofs. Successful completion of both Alg I: Foundations 1 and Alg I/Geo: Foundations 2 will satisfy the Algebra I graduation requirement. Upon completion, students should enroll in either Geo/Alg II: Foundations 3 or Geometry.

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

**0211 ALGEBRA I**

10 Credits

**Description:** Students will explore linear, quadratic, and exponential equations in depth. They will also study probability concepts as an extension of the middle school courses: Integrated Math II and III. Algebra I 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

**0220 GEOMETRY**

10 Credits

**Description:** Students will study the properties and applications of geometric figures in two and three dimensions. This includes inductive and deductive thinking skills in problem solving situations as well as transformations, right triangle trigonometry, properties of circles, and perimeter, area, and volume applications. Writing proofs to prove properties of geometric figures is emphasized.

**Prerequisites:** Algebra I or Alg I/Geo: Foundations 2

**0221 HONORS GEOMETRY**

10 Credits

**Description:** Students will study the properties and applications of geometric figures in two and three dimensions. This includes inductive and deductive thinking skills in problem solving situations as well as transformations, right triangle trigonometry, properties of circles, and perimeter, area, and volume applications. Writing proofs to prove properties of geometric figures is emphasized. This course will go into greater depth than Geometry and is recommended for students who plan to pursue Advanced Placement® or International Baccalaureate® mathematics classes.

**Prerequisites:** Algebra I

**0231 ALGEBRA II**

10 Credits

**Description:** Students will explore a variety of advanced, integrated algebraic topics such as systems of equations and inequalities, higher-ordered polynomials, and advanced functions. Algebra II completes the three-year mathematics sequence required by many colleges.

**Prerequisites:** Geometry or Geo/Alg II: Foundations 3

**0233 HONORS ALGEBRA II**

10 Credits

**Description:** Students will further develop understanding of a variety of advanced algebraic topics such as systems of equations and inequalities, higher-ordered polynomials, advanced functions and discrete mathematics topics. This course will go into greater depth than Algebra II and is recommended for students who plan to pursue Advanced Placement® or International Baccalaureate® mathematics classes.

**Prerequisites:** Honors Geometry

**0234 GEO/ALG II: FOUNDATIONS 3**

10 Credits

**Description:** Students will investigate geometric concepts including both two- and three-dimensional figures, apply geometric properties to solve problems, prove geometric theorems, and use coordinate geometry. Additionally, students will expand their understanding of algebraic concepts. Upon completion, students should enroll in Alg II: Foundations 4 or Algebra II for completion of Algebra II content.

**Prerequisites:** Alg I/Geo: Foundations 2 and/or placement recommendation from Building Data Team

**0237 ALG II: FOUNDATIONS 4**

10 Credits

**Description:** Students will investigate a variety of advanced algebraic topics such as systems of equations and inequalities, higher-ordered polynomials, advanced functions, and discrete mathematics topics.

**Prerequisites:** Geo/Alg II: Foundations 3 and/or placement recommendation from Building Data Team

**0244 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 Precalculus or Honors Precalculus.

**Prerequisites:** Algebra II

**0238 PRECALCULUS**

10 Credits

**Description:** Students will investigate functions, conic sections, and trigonometry through an algebraic, analytical, numerical, and graphical approach, including mathematical modeling for real-world application.

**Prerequisites:** Algebra II

**0239 HONORS PRECALCULUS**

10 Credits

**Description:** Students will investigate functions, conic sections, and trigonometry through an algebraic, analytical, numerical, and graphical approach, including mathematical modeling for real-world application. This course will go into greater depth than Precalculus and is recommended for students who plan to pursue Advanced Placement® or International Baccalaureate® mathematics classes.

**Prerequisites:** Honors Algebra II

**0243 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

**0249 CALCULUS II AND 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

**0252 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 or Honors Precalculus

**0253 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

**0254 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

**0245 IB MATHEMATICS HL I****11 North only 10 credits**

**Description:** Students with excellent mathematics abilities will study differential and integral calculus. This is the first course in a two-year sequence culminating with the IB HL Mathematics test during the spring of a student's senior year.

**Prerequisites:** Honors Precalculus

**0246 IB MATHEMATICS HL II****12 North only 10 credits**

**Description:** Students who have successfully completed Mathematics HL I will engage further with proofs, vectors, probability, statistics, trigonometry, complex numbers, and calculus. This is the second course in a two-year sequence culminating with the IB HL Mathematics test.

**Prerequisites:** IB Mathematics HL I

**0247 IB MATHEMATICAL STUDIES SL****11-12 North only 10 credits**

**Description:** Students pursuing non-math intensive fields will concentrate on advanced mathematics topics such as numbers and algebra, sets and logic, geometry and trigonometry, functions, financial mathematics, calculus, statistics, and probability. This course is designed for students who intend to take the IB SL Mathematics test.

**Prerequisites:** Algebra II or Honors Algebra II

**0248 IB MATHEMATICS SL****11-12 North only 10 credits**

**Description:** Students will engage in a rigorous study of matrices, vectors, probability, statistics, complex numbers and calculus. Mathematics SL is intended for students with strong mathematics abilities.

**Prerequisites:** Honors Precalculus

**0268 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:** Honors Precalculus

**0269 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

**0270 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:** Honors Precalculus



**0271 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

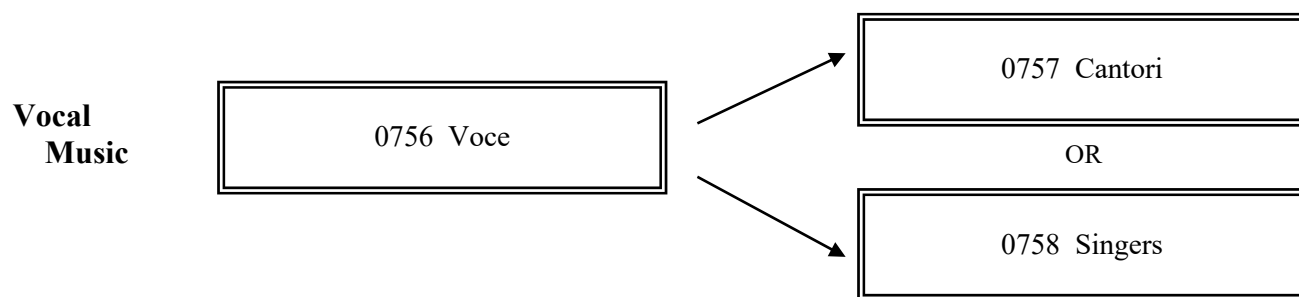
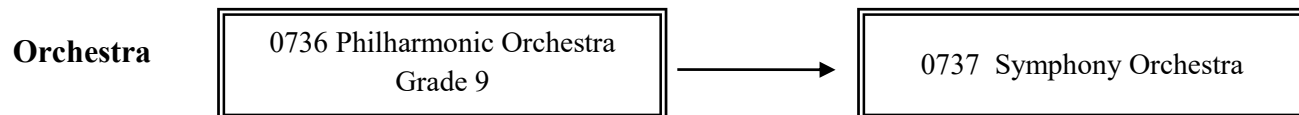
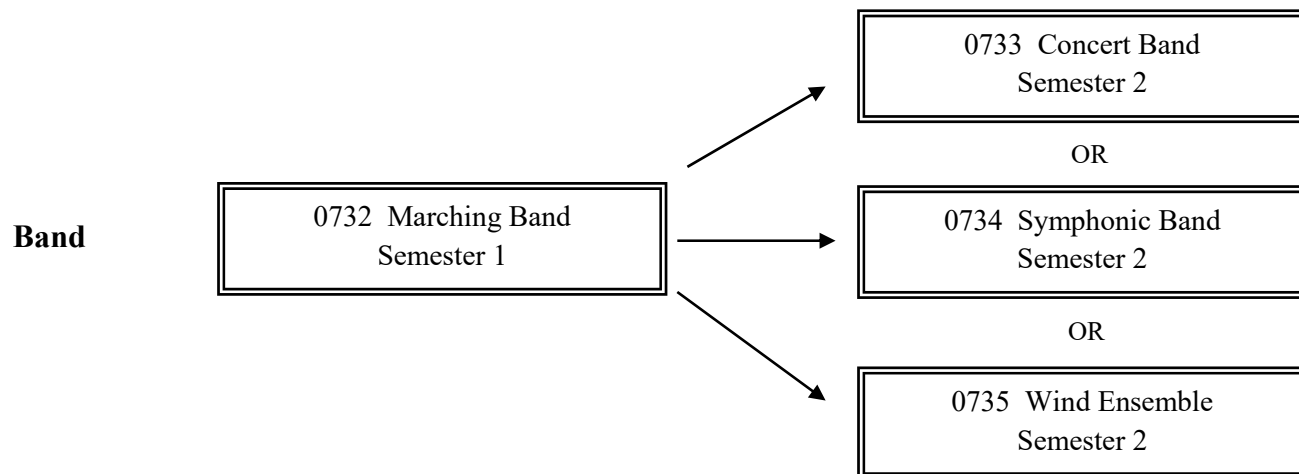
**0272 IB MATHEMATICS APPLICATIONS & INTERPRETATION SL    11 or 12    North only    10 credits**

**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.

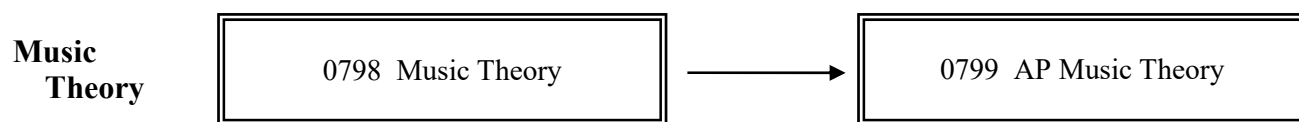
**Prerequisites:** Algebra II

# MUSIC

## Performance Courses



## Non-Performance Courses



## MUSIC

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>MUSIC</b>										
0732	Marching Band	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		F	0736+			•	•	•
0756 A/B	Voce	10		F				•	•	•
0757 A/B	Cantori	10		F	†			•	•	•
0758 A/B	Singers	10		F	†			•	•	•
0746	Contemporary Ensemble	5		F				•	•	
0798	Music Theory	5		F				•	•	•
0799	AP Music Theory	5			0798			•	•	•
0747	Music Connections	5		F				•	•	•
0767 A/B	IB Music SL - Band	10	11-12	F	†			•		
0769 A/B	IB Music SL - Orchestra	10	11-12	F	†			•		

F = Fulfills Fine and Performing Arts Graduation Requirement

† = See course descriptions for additional requirements.

Students may be asked to provide specialized attire or to make a donation in these courses in compliance with Rule 6750.1. Students who qualify for free and reduced waivers should discuss cost or instrument needs with their instructors.

## MUSIC

### 0732 MARCHING BAND

5 Credits

**Description:** This course is for all ninth, tenth, eleventh, and twelfth grade students who play a band instrument and have an interest in band music literature. All students registered for Marching Band are required to participate in either Concert Band, Symphonic Band, or Wind Ensemble during second semester based on auditions. This course will include concerts outside of the school day.

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

### 0733 CONCERT BAND

5 Credits (15 at WHS)

**Description:** This course is for all ninth, tenth, eleventh, and twelfth grade students who play a band instrument and have an interest in progressing band music literature. All students registered for Concert Band are required to participate in Marching Band and Pep Band. This course will include concerts outside of the school day.

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

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

**0734 SYMPHONIC BAND**

5 Credits (15 at WHS)

**Description:** This course is for all ninth, tenth, eleventh, and twelfth grade students who play a band instrument and have an interest in advancing band music literature. All students registered for Symphonic Band are required to participate in Marching Band and Pep Band. This course will include concerts outside of the school day.

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

**0735 WIND ENSEMBLE**

5 Credits (10 at WHS)

**Description:** This course is for all ninth, tenth, eleventh, and twelfth grade students who play a band instrument and have an interest in advanced music literature. All students registered for Wind Ensemble are required to participate in Marching Band and Pep Band. This course will include concerts outside of the school day.

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

**0736 PHILHARMONIC ORCHESTRA**

10 Credits (20 at WHS)

**Description:** Philharmonic Orchestra is geared for ninth grade ensemble which emphasizes fundamental skills that prepare students for Symphony Orchestra. Students will have opportunities for large ensemble, chamber music, and solo performances as part of a rigorous curriculum that develops artistry. Freshmen are encouraged to audition for special ensembles within the department. Instruction is differentiated to involve and challenge all students. Orchestra students will be asked to provide performance appropriate clothing and their instrument (some school instruments available for rental). This course will include concerts outside of the school day.

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

**0737 SYMPHONY ORCHESTRA**

10 Credits (20 at WHS)

**Description:** This orchestra continues the momentum built in Philharmonic Orchestra with great classical, pop, and jazz repertoire. A three year rotated cycle of study provides advanced skill development and keeps the orchestra fresh each year. Following Marching Band season, the string orchestra will be joined by wind, brass, and percussion players selected from the bands to form the full orchestra. Students will have opportunities for chamber music, conducting, solo performances, and participation in honor groups, contests, studio orchestra (jazz and pop), and chamber orchestra (by audition). Students will play for the director the previous year to determine proper placement in this group. This course will include concerts outside of the school day.

**Prerequisites:** Successful completion of Philharmonic Orchestra or recommendation of instructor.

**0756 VOCE**

10 Credits (20 at WHS)

**Description:** This course is designed for any student who wants to sing. No experience necessary. Emphasis will be placed on developing basic vocal techniques and rehearsing skills, music literacy, and appropriate performance practice. Musical repertoire will range from Pop and Broadway to choral master works including sacred and secular texts. Emphasis will focus on developing vocal skills, choral rehearsal techniques, music literacy, and performing technique. This course will include concerts outside of the school day.

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

**0757 CANTORI**

10 Credits (20 at WHS)

**Description:** This is a course for students wanting to experience singing and performing in a large choral ensemble. Musical repertoire will range from Pop and Broadway to choral master works including sacred and secular texts. Emphasis will focus on developing vocal skills, choral rehearsal techniques, music literacy, and performing technique. This course will include concerts outside of the school day.

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

**0758 SINGERS**

10 Credits (20 at WHS)

**Description:** This is a select mixed chorus designed for students who want to experience singing in a large ensemble. Emphasis will focus on advanced vocal technique and choral rehearsal skills, music literacy and sacred and secular texts. This is a yearlong class and will include concerts outside of the school day.

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

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

**0746 CONTEMPORARY ENSEMBLE****North and South** 5 Credits

**Description:** Contemporary Music Ensemble is a course for students to explore music with more modern ensemble settings. The focus of this class will be to advance any skills the students already possess and focus on improvisation and composition. Students will improvise and compose music with the aid of electronic devices. Students will work in groups and alone to write, arrange, and share their work.

**Prerequisites:** None. This is a non-performance course.

**0747 MUSIC CONNECTIONS**

5 Credits

**Description:** In this course, students will learn about music connections by completing projects based on students' interest. Students will have the chance to explore careers in music, history and culture, styles and genres, connections with other disciplines, and evaluate and analyze music. Project based learning will occur varying from creating your own music video to discovering other musical opportunities.

**Prerequisites:** None. This is a non-performance course.

**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.

**0798 MUSIC THEORY**

5 Credits

**Description:** A course which offers students insights into music with respect to melody, rhythm, intervals, triads, harmony, notation, ear training, and history. There will be a brief introduction to music history as it relates to music theory. This course is designed to educate students who wish to better understand the elements of music, with the aid of music technology.

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

**0799 ADVANCED PLACEMENT® MUSIC THEORY**

5 Credits

**Description:** This course is an intense study of music theory, critical analysis of literature, history, and composition, with emphasis on individual student composition project and use of music technology. Students should have a strong background in music theory. Completion of this course will prepare students to take the Advanced Placement® Music Theory exam.

**Prerequisites:** Successful completion of Music Theory and/or permission of the Instructor.

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

## PHYSICAL EDUCATION

The Physical Education requirement for graduation is 15 credit hours. The courses listed below are all the offerings in Physical Education, with each course worth 5 credits. In order for students to experience diverse physical activities, each Physical Education course may be taken only once to meet the required 15 credits towards graduation.

Once the 15 credits towards graduation are completed, Cross Training II, Weight Training and Conditioning II, Aquatics, and Advanced Performance may be repeated for elective credit (pending available space).

9th Grade Offerings			
0800	Sport Skills and Fitness	0810	Aquatics
0801	Cross Training I	0814	Athletic Training and Sports Injury*
0802	Cross Training II	0816	Advanced Performance
0808	Introduction to Aquatics	0817	Sport Officiating

10th Grade Offerings			
0800	Sport Skills and Fitness	0809	Lifeguard Training
0801	Cross Training I	0810	Aquatics
0802	Cross Training II	0814	Athletic Training and Sports Injury*
0805	Weight Training and Conditioning I	0816	Advanced Performance
0806	Weight Training and Conditioning II	0817	Sport Officiating
0808	Introduction to Aquatics		

11th & 12th Grade Offerings			
0800	Sport Skills and Fitness	0809	Lifeguard Training
0801	Cross Training I	0810	Aquatics
0802	Cross Training II	0814	Athletic Training and Sports Injury*
0803	Lifetime Fitness	0815	Athletic Training and Sports Injuries Internship*
0805	Weight Training and Conditioning I	0816	Advanced Performance
0806	Weight Training and Conditioning II	0817	Sport Officiating
0808	Introduction to Aquatics		

\*elective credit only

## PHYSICAL EDUCATION

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>PHYSICAL EDUCATION</b>										
0800	Sport Skills and Fitness	5		PE			•	•	•	•
0801	Cross Training I	5		PE			•	•	•	•
0802	Cross Training II	5		PE	0801		•	•	•	•
0803	Lifetime Fitness	5	11-12	PE			•	•	•	•
0805	Weight Training and Conditioning I	5	10-12	PE			•	•	•	•
0806	Weight Training and Conditioning II	5	10-12	PE	0805		•	•	•	•
0808	Introduction to Aquatics	5		PE	†			•	•	•
0809	Lifeguard Training	5	10-12	PE	†			•	•	•
0810	Aquatics	5		PE	†			•	•	•
0814	Athletic Training and Sports Injury	5						•	•	•
0815 A/B	Athletic Training and Sports Injuries Internship	10	11-12		†			•	•	•
0816	Advanced Performance	5		PE	†			•	•	•
0817	Sport Officiating	5		PE	0800 or 0803			•	•	•

PE = Fulfills Physical Education Graduation Requirement

† = See course descriptions for additional requirements.

### PHYSICAL EDUCATION

Students provide athletic shoes, sweatpants or shorts, t-shirt or sweatshirt, and cold weather attire as needed.

#### 0800 SPORT SKILLS AND FITNESS

5 Credits

**Description:** Students will engage in lifelong individual/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   | 6. Tennis                          |
| 2. Badminton    | 7. Cooperative Games/Team Building |
| 3. Volleyball   | 8. Softball                        |
| 4. Soccer       | 9. Football                        |
| 5. Floor Hockey | 10. Fitness Knowledge/FitnessGram  |

Optional Enrichment Activities:

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

**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 based on the learning experience gained from Cross Training I. This course fulfills the Physical Education Graduation Requirement.

**Prerequisites:** Cross Training I. Cross Training II may be repeated for elective credit after the required 15 credit Physical Education Graduation Requirement has been met and space is available.

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-type 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/FitnessGram   |
| 6. Basketball       | 13. Nutrition                       |
| 7. Volleyball       |                                     |

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

- |  |                    |
|--|--------------------|
| 1. Frisbee Golf  | 8. Bowling         |
| 2. Roller Skating/Laser Runner   | 9. Roller Hockey   |
| 3. Floor Hockey  | 10. Ice Skating    |
| 4. Rock Climbing/Rappelling  | 11. Batting Cages  |
| 5. Ping Pong   | 12. Guest Speakers |
| 6. Fitness/Health Centers/Weight Room  |                    |
| 7. Swimming/Aquatic activities (Pending instructor American Red Cross certification and pool availability) |                    |



**0805 WEIGHT TRAINING AND CONDITIONING I****10-12****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. Enrollment is limited to one semester.

**Prerequisites:** None

Activities:

- |  |   |
|--|---|
| 1. Introduce weight lifting exercises                  | 6. Use free weights and universal gym weights |
| 2. Introduce and develop proper lifting techniques     | 7. Conditioning activities                    |
| 3. Introduce and establish workout routines            | 8. Fitness Knowledge/FitnessGram              |
| 4. Introduce physiological and kinesiological concepts | 9. Nutrition                                  |
| 5. Introduce weight training principles                |   |

**0806 WEIGHT TRAINING AND CONDITIONING II****10-12****5 Credits**

**Description:** Students will expand on learning experiences gained from Weight Training & Conditioning I. This course fulfills the Physical Education Graduation Requirement.

**Prerequisites:** Weight Training & Conditioning I. Weight Training & Conditioning II may be repeated for elective credit after the required 15 credit Physical Education Graduation Requirement has been met and space is available.

Activities:

- |  |   |
|--|---|
| 1. Introduce advanced weight lifting exercises           | 5. Apply advanced weight training principles  |
| 2. Improve on proper lifting techniques                  | 6. Use free weights and universal gym weights |
| 3. Develop, assess, and select advanced workout routines | 7. Conditioning activities                    |
| 4. Apply physiological and kinesiological concepts       | 8. Fitness Knowledge/FitnessGram              |
|  | 9. Nutrition                                  |

**0808 INTRODUCTION TO AQUATICS****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:** Students are required to furnish their own towels and swim suits. They should have the ability to dive into deep water. Students should be able to swim the length of the pool non-stop using the crawl stroke, breast stroke, or back stroke.

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. Students are required to furnish their own towels, swim suit, and CPR mouth guards (BOE Rule 6750.1); be 15 years of age on or before the beginning of the course, swim 500 yards continuously demonstrating breath control and rhythmic breathing. Candidates may swim using the front crawl, breaststroke, or a combination of both, but swimming on the back or side is not allowed. Swim goggles may be used. Candidates need to also tread water for two minutes, using only the legs and should place their hands under the armpits. Candidates need to also complete a timed event within 1 minute and 40 seconds:

- Starting in the water, swim 20 yards. Swim goggles are not allowed.
- Surface dive, feet-first or head-first, to a depth of 7-10 feet to retrieve a 10-pound object.
- Return to the surface and swim 20 yards on the back to return to the starting point with both hands holding the object and keeping the face at or near the surface so they are able to get a breath.
- 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

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 500 yards continuously using the crawl stroke, backstroke and breaststroke in any combination. Students are required to furnish their own towels and swim suits. Aquatics may be repeated for elective credit after the required 15 credit Physical Education Graduation Requirement has been met and space is available.

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 ADVANCED PERFORMANCE

5 Credits

**Description:** Designed for the highly motivated student interested in advanced performance training, this class will help build potential health and fitness career opportunities and knowledge of those careers. Focus is on incorporating intense training techniques, nutrition, goal setting, and research in the area of exercise science. Students will also participate in FitnessGram and develop a fitness and wellness plan. This course fulfills the Physical Education Graduation Requirement.

**Prerequisites:** Weight Training & Conditioning II or Cross Training II. Advanced Performance may be repeated for elective credit after the required 15 credit Physical Education Graduation Requirement has been met and space is available.

## 0817 SPORT OFFICIATING

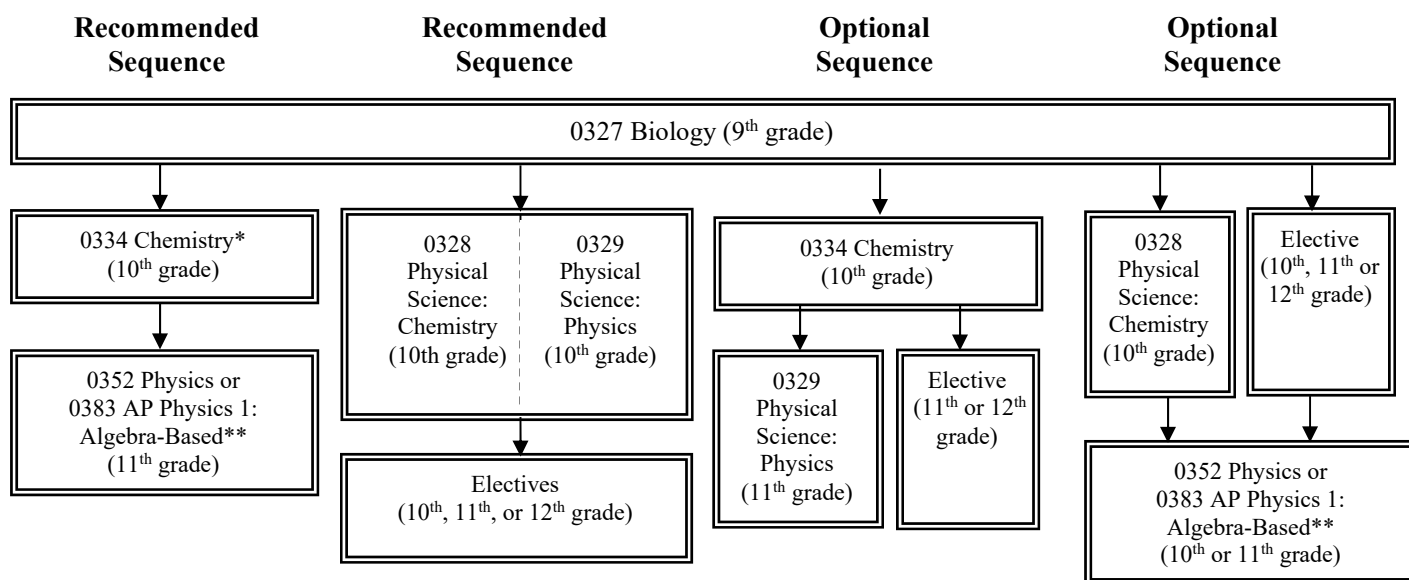
5 Credits

**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 FitnessGram. This course fulfills the Physical Education Graduation Requirement.

**Prerequisites:** Sport Skills and Fitness or Lifetime Fitness

# SCIENCE

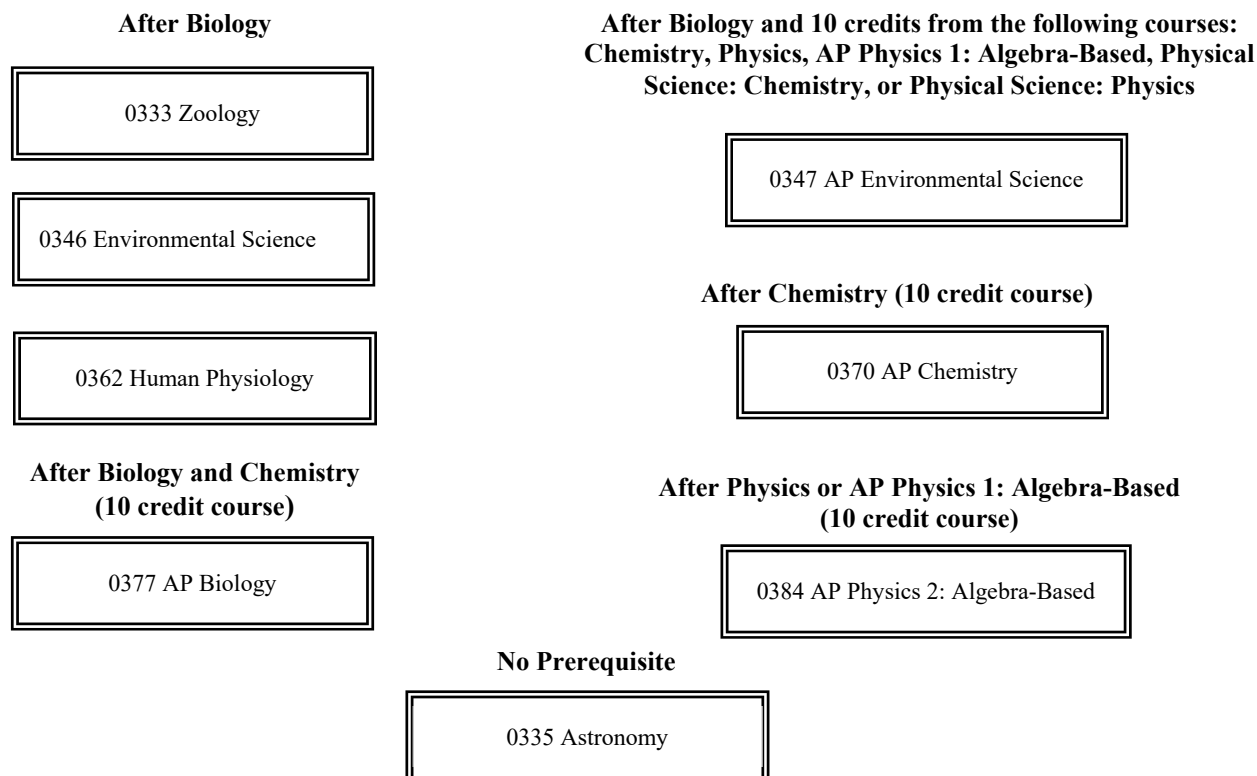
Required science courses: Follow one of the sequences depicted below.



\*When taking Chemistry (0334) students must successfully complete the entire course. If 0334 Chemistry is dropped, a student will need to enroll in 0328 Physical Science: Chemistry.

\*\*When taking Physics (0352) or AP Physics 1: Algebra-Based (0383) students must successfully complete the entire course. If 0352 Physics or 0383 AP Physics 1: Algebra-Based is dropped, a student will need to enroll in 0329 Physical Science: Physics.

Science electives: May be taken after the specified prerequisites listed below.



## SCIENCE

All students must successfully complete 30 credits of science in order to meet the minimum graduation requirements.

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>SCIENCE</b>										
0321 A/B	Introduction to IB Chemistry and IB Physics	10	10	C, P	0327	•		•		
0327 A/B	Biology	10	9			•	•	•	•	•
0328	Physical Science: Chemistry	5	10-11	C	0327	•	•	•	•	•
0329	Physical Science: Physics	5	10-11	P	0327	•	•	•	•	•
0333	Zoology	5			0327	•	•	•	•	•
0334 A/B	Chemistry	10		C	0211, 0327	•	•	•	•	•
0335	Astronomy	5				•	•	•	•	•
0346	Environmental Science	5			0327	•	•	•	•	•
0347 A/B	AP Environmental Science	10			0327†	•		•	•	•
0352 A/B	Physics	10	10-11	P	0231 or 0233†, 0327	•		•	•	•
0362 A/B	Human Physiology	10			0327	•		•	•	•
0370 A/B	AP Chemistry	10			0231†	•		•	•	•
0371 A/B	IB Chemistry HL I	10	11		0321†	•		•		
0372 A/B	IB Chemistry HL II	10	12		0371	•		•		
0375 A/B	IB Biology SL	10	11-12		0334	•		•		
0376 A/B	IB Biology HL I	10	11		0334	•		•		
0377 A/B	AP Biology	10			0327, 0334	•		•	•	•
0378 A/B	IB Biology HL II	10	12		0376	•		•		
0383 A/B	AP Physics 1: Algebra-Based	10	10-12	P	0231 or 0233†, 0327	•		•	•	•
0384 A/B	AP Physics 2: Algebra-Based	10			0352 or 0383†	•		•	•	•
0380 A/B	IB Physics SL	10	11-12		0321†	•		•		
0381 A/B	IB Physics HL I	10	11		0321†	•		•		
0382 A/B	IB Physics HL II	10	12		0381	•		•		

† = See course descriptions for additional requirements

C = Fulfills the Chemistry Graduation Requirement

P = Fulfills the Physics Graduation Requirement

## SCIENCE

### **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 student basic concepts taught in IB Chemistry and IB Physics. Students will be able to make informed decisions as to which IB courses (Chemistry or Physics) they will choose the following year. Chemistry and Physics topics will be taught in an 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. Student must be enrolled in the DP 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, genetics, biochemistry and 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:** None

**0333 ZOOLOGY****5 Credits**

**Description:** Zoology is an opportunity for students to explore the animal kingdom. In this lab course, students will use scientific inquiry to observe the behavior and interaction of animals in their environments. In addition, students will examine the structure and function of animal systems through the dissection of preserved specimens.

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

**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.

**Prerequisites:** Biology

**0335 ASTRONOMY****5 Credits**

**Description:** This course offers an opportunity to explore various astronomy topics. 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. 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. 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:** Completion of or concurrent enrollment in Algebra II (or Algebra II: Foundations 4) and Biology

**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.

**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 PHYSIOLOGY**

10 Credits

**Description:** This course is an in-depth study of the structure and function of human body systems. Through inquiry, 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, acquire health occupational skills, and gain insight into various health and medical careers.

**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 and completion or concurrent enrollment in Algebra II

**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 or concurrent enrollment in Algebra II and Introduction to IB Chemistry and IB Physics in 10th grade.

**0372 IB CHEMISTRY HL II****12 North only** 10 Credits

**Description:** This course provides an in-depth study of organic chemistry. Subjects will include chemical bonding, homologous series, functional groups, hydrocarbons, various substitution reactions, various addition reactions, various elimination reactions, acid-base reactions, and human biochemistry. IB Chemistry HL II is designed to be similar to introductory first semester Organic Chemistry courses offered at colleges and universities, 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 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

**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

**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:** Completion of Introduction to IB Chemistry and IB Physics and completion of or concurrent enrollment in Precalculus

**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:** Completion of Introduction to IB Chemistry and IB Physics and completion of or concurrent enrollment in Precalculus

**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:** Completion of or concurrent enrollment in Algebra II (or Algebra II: Foundations 4) and Biology

**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.

## SOCIAL STUDIES

Required for Graduation (Suggested Sequence)		
9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> or 12 <sup>th</sup> Grade
0408 World Geography OR 0456 AP Human Geography	0420 World History OR 0424 AP World History	0449 United States History OR 0450 AP United States History  <b>AND</b>  0414 United States Government and Economics OR 0415 AP United States Government and Politics

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* (North)
0442	Law Studies
0450	AP United States History**
0451	AP European History
0453	AP Psychology
0456	AP Human Geography**
0457	AP Comparative Government and Politics

\* Fulfills Human Resources Graduation Requirement

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

IB Courses (North High School)	
11-12 <sup>th</sup> Grade	12 <sup>th</sup> Grade
0458 IB Early Modern World History SL/HL I 0433 IB Psychology SL (HR)	0455 IB History of the Americas HL II



## SOCIAL STUDIES

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>SOCIAL STUDIES</b>										
0408	World Geography	5	9			•	•	•	•	•
0414	United States Government and Economics	5	11-12			•	•	•	•	•
0415	AP United States Government and Politics	5	11-12			•		•	•	•
0458 A/B	IB Early Modern World History SL/HL I	10	11-12			•		•		
0420 A/B	World History	10	10-12			•	•	•	•	•
0424 A/B	AP World History	10	10-12			•		•	•	•
0422	World Religions	5			0408 or 0456	•		•	•	•
0425	Human Diversity	5		HR		•	•	•	•	•
0426	International Relations	5		HR		•	•	•	•	•
0430	Introduction to Behavioral Sciences	5		HR		•		•	•	•
0431	Sociology	5	11-12	HR		•	•	•	•	•
0432	Psychology	5	11-12	HR		•	•	•	•	•
0433 A/B	IB Psychology SL	10	11-12	HR		•		•		
0442	Law Studies	5	11-12			•	•	•	•	•
0449 A/B	United States History	10	11-12			•	•	•	•	•
0450 A/B	AP United States History	10	11-12			•		•	•	•
0451 A/B	AP European History	10			0408 or 0456	•		•	•	•
0453	AP Psychology	5			0432	•		•	•	•
0455 A/B	IB History of the Americas HL II	10	12		0418	•		•		
0456 A/B	AP Human Geography	10				•		•	•	•
0457	AP Comparative Government and Politics	5			0420 or 0424	•		•	•	•

HR = Fulfills Human Resources Graduation Requirement

## SOCIAL STUDIES

### 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

### 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® exam.

**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

**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 the interaction of humans and their environment, development and interaction of cultures, and comparison of economic, political and social structures to analyze their historical impact upon one another. This course explores the time periods from prehistory to the present. Completion of this course will prepare students to take the World History Advanced Placement® exam.

**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.

**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****11-12 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

**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.

**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****5 Credits**

**Description:** Students will continue to focus on the concepts started in Psychology. Students will further 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. Completion of this course will prepare students to take the Advanced Placement® Psychology exam.

**Prerequisites:** Psychology

**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.

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

**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.

**Prerequisites:** None

**0457 ADVANCED PLACEMENT® COMPARATIVE GOVERNMENT AND POLITICS**

5 Credits

**Description:** Students will be introduced to the fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of settings. Six countries form the core of this course: China, Great Britain, Iran, Mexico, Nigeria, and Russia. The aim is to illustrate the rich diversity of political life, to analyze institutional alternatives, to explain differences in processes and policy outcomes, and to appreciate the importance of global and economic changes. Completion of this course will prepare students to take the Advanced Placement® Comparative Government and Politics exam.

**Prerequisites:** World History or AP World History

## 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.

Course	Course Name	Credits	Grade	Graduation Requirement		ACT Core	Horizon High School	North High School	South High School	West High School
<b>SPECIAL EDUCATION</b>										
0900 A/B	Fundamental English	10			†			•	•	•
0903 A/B	Essentials of English 11	10	11		†			•	•	•
0908 A/B	Fundamental Reading	10			†			•	•	•
0920 A/B	Fundamental Mathematics	10			†			•	•	•
0930 A/B	Fundamental Science	10			†			•	•	•
0932 A/B	Essentials of Biology	10	9		†			•	•	•
0933	Essentials of Human Physiology I	5	11-12		†			•	•	•
0934	Essentials of Human Physiology II	5	11-12		†			•	•	•
0935	Essentials of Environmental Science	5	10-12		†			•	•	•
0936	Essentials of Physical Science: Chemistry	5	10-11	C	†			•	•	•
0937	Essentials of Physical Science: Physics	5	10-11	P	†			•	•	•
0940 A/B	Fundamental Social Studies	10			†			•	•	•
0944	Essentials of United States Government & Economics	5	11-12		†			•	•	•
0946	Essentials of World Geography	5	9		†			•	•	•
0947	Essentials of Human Diversity	5		HR	†			•	•	•
0948 A/B	Essentials of World History	10	10		†			•	•	•
0949 A/B	Essentials of United States History	10	11-12		†			•	•	•
0950	Fundamental Daily Living	5	10-12	H	†			•	•	•
0951	Fundamental Independent Living	5			†			•	•	•
0952	Career Readiness Skills and Exploration	5			†			•	•	•
0953	College Readiness Skills and Exploration	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

FL = 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

† = See course descriptions for additional requirements.

## 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 Department Head and Building Administrator

### 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

### 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 Department 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. Completion of this 5-credit course fulfills the chemistry graduation requirement.

**Prerequisites:** IEP Team recommendation and approval by Special Education Department 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. Completion of this 5-credit course fulfills the physics graduation requirement.

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

<b>0933 ESSENTIALS OF HUMAN PHYSIOLOGY I</b>	<b>11-12</b>	5 Credits
<b>0934 ESSENTIALS OF HUMAN PHYSIOLOGY II</b>	<b>11-12</b>	5 Credits
<b>Description:</b> 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 and gaining insight into various health and medical careers.		
<b>Prerequisites:</b> IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator		
<b>0935 ESSENTIALS OF ENVIRONMENTAL SCIENCE</b>	<b>10-12</b>	5 Credits
<b>Description:</b> This course will help students become aware of how they fit into the delicate balance of their environment. 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.		
<b>Prerequisites:</b> IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator		
<b>0940 FUNDAMENTAL SOCIAL STUDIES</b>		10 Credits
<b>Description:</b> This course is designed for students who require an alternate curriculum in social studies. This course's grading system is pass/fail.		
<b>Prerequisites:</b> Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team		
<b>0946 ESSENTIALS OF WORLD GEOGRAPHY</b>	<b>9</b>	5 Credits
<b>Description:</b> 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.		
<b>Prerequisites:</b> IEP Team recommendation and approval by Special Education Department Head and Building Administrator		
<b>0944 ESSENTIALS OF UNITED STATES GOVERNMENT AND ECONOMICS</b>	<b>11-12</b>	5 Credits
<b>Description:</b> 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.		
<b>Prerequisites:</b> IEP Team recommendation and approval by Special Education Department Head and Building Administrator		
<b>0947 ESSENTIALS OF HUMAN DIVERSITY</b>		5 Credits
<b>Description:</b> 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.		
<b>Prerequisites:</b> IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator		
<b>0948 ESSENTIALS OF WORLD HISTORY</b>	<b>10</b>	10 Credits
<b>Description:</b> 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.		
<b>Prerequisites:</b> IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator		
<b>0949 ESSENTIALS OF UNITED STATES HISTORY</b>	<b>11-12</b>	10 Credits
<b>Description:</b> 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.		
<b>Prerequisites:</b> IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator		
<b>0950 FUNDAMENTAL DAILY LIVING</b>	<b>10-12</b>	5 Credits
<b>Description:</b> 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.		
<b>Prerequisites:</b> 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

**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

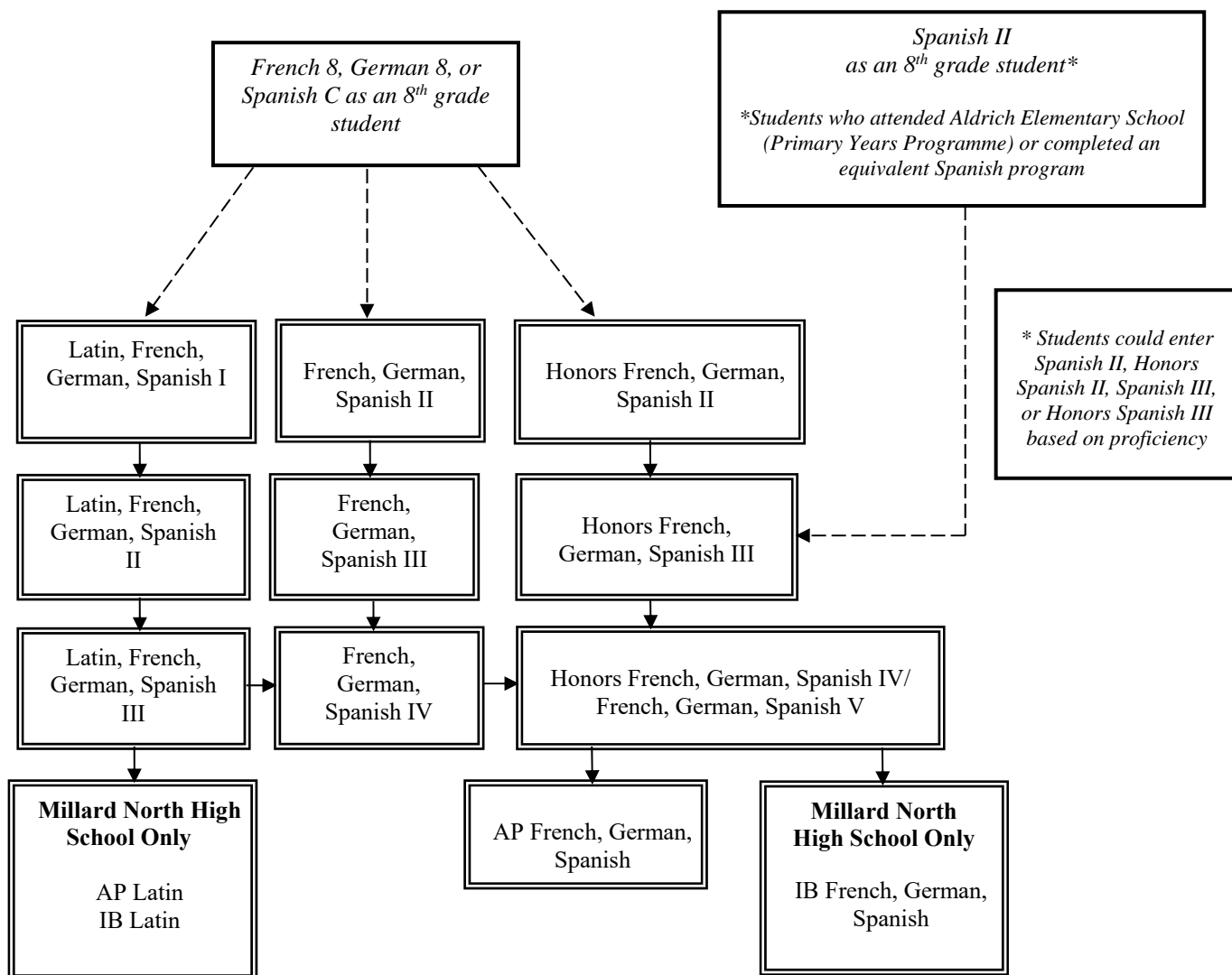
**Description:** This course provides students with an opportunity to explore occupations in non-paid work experiences at pre-approved school or community sites. These functional experiences will provide students with hands-on training and exploration of actual job duties in various career interest areas 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

Students have the opportunity to begin exploring World Language in middle school. At the end of eighth grade, a collaborative recommendation for ninth grade World Language placement will be made based on 6<sup>th</sup> - 8<sup>th</sup> grade World Language course enrollments and reflective input by the student.



Students are advised to take consecutive years of the same language. University of Nebraska System admissions requirements include two years of the same language, and some programs may require more.

Students are highly encouraged to extend their language study throughout their high school years. Although based on individual proficiency, students normally follow one of the above paths. A student may take a different path, however.

Students who demonstrate language proficiency are encouraged to learn a second language in high school while continuing the first language.

## WORLD LANGUAGE

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>WORLD LANGUAGE</b>										
0112 A/B	German I	10						•	•	•
0113 A/B	German II	10			0112			•	•	•
0114 A/B	Honors German II	10			0112			•	•	•
0115 A/B	German III	10			0113			•	•	•
0116 A/B	Honors German III	10			0113 or 0114			•	•	•
0117 A/B	German IV	10			0115			•	•	•
0118 A/B	Honors German IV/German V	10			0116 or 0117			•	•	•
0119 A/B	AP German Language and Culture	10			0118			•	•	•
0120 A/B	IB German B SL	10	12		0118			•		
0132 A/B	French I	10						•	•	•
0133 A/B	French II	10			0132			•	•	•
0134 A/B	Honors French II	10			0132			•	•	•
0135 A/B	French III	10			0133			•	•	•
0136 A/B	Honors French III	10			0133 or 0134			•	•	•
0137 A/B	French IV	10			0135			•	•	•
0138 A/B	Honors French IV/French V	10			0136 or 0137			•	•	•
0139 A/B	AP French Language and Culture	10			0138			•	•	•
0140 A/B	IB French B SL	10	12		0138			•		
0152 A/B	Spanish I	10					•	•	•	•
0153 A/B	Spanish II	10			0152		•	•	•	•
0154 A/B	Honors Spanish II	10			0152			•	•	•
0155 A/B	Spanish III	10			0153			•	•	•
0156 A/B	Honors Spanish III	10			0153 or 0154			•	•	•
0157 A/B	Spanish IV	10			0155			•	•	•
0158 A/B	Honors Spanish IV/Spanish V	10			0156 or 0157			•	•	•
0159 A/B	AP Spanish Language and Culture	10			0158			•	•	•
0160 A/B	IB Spanish B SL	10	12		0158			•		
0171 A/B	IB Spanish A2 HL A	10	12					•		
0161 A/B	IB Latin SL	10	12		0164			•		
0162 A/B	Latin I	10						•		
0163 A/B	Latin II	10			0162			•		
0164 A/B	Latin III	10			0163			•		
0172 A/B	AP Latin	10			0164			•		

## 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.

**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 French.

**Prerequisites:** French 8 or 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 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 8 or 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

**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

**0138 HONORS FRENCH IV/ FRENCH 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 French. Honors Level IV is recommended for all students who plan to pursue Advanced Placement® or International Baccalaureate® courses.

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

**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:** Honors French IV/French V

**0140 IB FRENCH B SL**

12

North only

10 Credits

**Description:** 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 understand better 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:** Honors French IV/French V

**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.

**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 German.

**Prerequisites:** German 8 or 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 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 8 or 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

**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

**0118 HONORS GERMAN IV/ GERMAN 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 German. Honors Level IV is recommended for all students who plan to pursue Advanced Placement® or International Baccalaureate® courses.

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

**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:** Honors German IV/German V

**0120 IB GERMAN B SL****12****North only****10 Credits**

**Description:** 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:** Honors German IV/German V

**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.

**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 Spanish.

**Prerequisites:** Spanish C or Spanish I

**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 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:** Spanish C or Spanish I

**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:** Spanish II

**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:** Spanish II or Honors Spanish II

**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

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

**0160 IB SPANISH B SL**

12

North only

10 Credits

**Description:** 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. 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® exam.

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

**0171 IB SPANISH A2 HL A**

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, native Spanish speaker

**0162 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 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:** Latin I

**0164 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:** 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:** Latin III

**0161 IB LATIN SL****12****North only****10 Credits**

**Description:** 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:** Latin III

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# **Specialized Programs**



## ACADEMIES AT MILLARD HIGH SCHOOLS

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

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Dual Enrollment Credit	
<b>ACADEMIES IN MILLARD HIGH SCHOOLS</b>								
	<b>Business and Entrepreneurship Academy</b>				Application			
0007 A/B	English 11	10	11			•	M	This academy is located at Millard South High School.  Application is open to all Millard students.
AEN01 A/B	College Accounting I	10	11				M	
AEN05	Wealth Building and Personal Finance	5	11	FL			M	
AEN10	Introduction to Business	5	11				O	
AEN20	Introduction to Entrepreneurship	5	11				M	
AEN25	Legal Issues for the Entrepreneur	5	11				M	
AEN30	Entrepreneurship Feasibility Study	5	12				M	
AEN15	College Accounting II	5	12				M	
AEN40	Marketing for the Entrepreneur	5	12				M	
AEN45 A/B	Entrepreneurship Internship	10	12				M	
0540	AP Macroeconomics	5	12		0211		O	
0541	AP Microeconomics	5	12		0211		O	
AEN55	Principles of Management	5	12				M	
	<b>Business and Logistics Management</b>				Application			
0007 A/B	English 11	10	11			•		This academy is located at Millard North High School.  Application is open to all Millard students.
ATD10	Introduction to Business	5	11				M	
ATD01	Intro. Transportation, Distribution & Logistics	5	11				M	
ATD05	Industrial Safety and Health	5	11				M	
ATD15	Introduction to Distribution	5	11				M	
ATD20	Principles of Marketing	5	11				M	
ATD25	Principles of Management	5	11				M	
ATD30	Mechanical Print Reading	5	12				M	
ATD35	Business Logistics	5	12				M	
ATD40	Purchasing and Material Management	5	12				M	
ATD50	Production & Operations Management	5	12				M	
ATD55 A/B	Business and Logistics Management Internship	10	12					
ATD60	College Composition and Research	5	12	EE	0004 or 0007	•		
ATD65	Radio Frequency Identification	5	12				M	

EE = English Elective

FL = Fulfills Financial Literacy Graduation Requirement

M=Metropolitan Community College

O=University of Nebraska at Omaha

## ACADEMIES AT MILLARD HIGH SCHOOLS

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

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Dual Enrollment Credit	
<b>ACADEMIES IN MILLARD HIGH SCHOOLS</b>								
	<b>Education Academy</b>				Application			
0007 A/B	English 11	10	11			•	M	This academy is located at Millard West High School.  Application is open to all Millard students.
0527	Child Development	5	11	HR			M	
AED02	Preschool Child Development	5	11				M	
AED35	Professional Speaking	5	11	OC		•	M	
AED10	Introduction to Professional Education	5	11				O	
AED15	Education Seminar I	5	11					
0422	World Religions	5	11		0408 or 0456		O	
AED20	Behavior Modifications and Principles of Learning	5	12				M	
0453	AP Psychology	5	12		0432	•	O	
AED25	Introduction to Communication Disorders	5	12				O	
AED30	Best Practices in Education	5	12					
AED05	College Composition and Research	5	12	EE	0004 or 0007	•	M	
AED40	Education Seminar II	5	12					
AED45	Education Seminar III	5	12					
AED50	Education Practicum	5	12					
	<b>Health Sciences Academy</b>				Application			
AHS01	Human Anatomy and Physiology	10	11	SE		•	M	This academy is located at Keith Lutz Horizon High School.  Application is open to all Millard students.
AHS05	Medical Terminology I	5	11				M	
AHS10	Medical Terminology II	5	11				M	
AHS15	Health Sciences Orientation Seminar	5	11				M	
AHS20	Introduction to Medical Law and Ethics	5	11				M	
AHS25	Nutrition in the Life Cycle	5	11				M	
AHS30	Disease Processes	5	11	SE		•	M	
0432	Psychology	5	12	HR				
0453	AP Psychology	5	12		0432	•		
AHS35	Long Term Care/Certified Nursing Assistant	10	12				M	
AHS40	Genetics	5	12	SE		•	M	
AHS45	Emergency Medical Technician-Basic	10	12				M	
AHS50	Health Sciences Internship	10	12					
0035	College Writing	5	12		0004 or 0007			

EE = English Elective

HR = Fulfills Human Resources Graduation Requirement

OC = Fulfills Oral Communications Graduation Requirement

SE = Science Elective

M=Metropolitan Community College

O=University of Nebraska at Omaha

## BUSINESS AND ENTREPRENEURSHIP ACADEMY

Earn high school and college credit while participating in the Business and Entrepreneurship Academy. Jump-start your career by entering the workforce with specialized training. Explore how to launch a business and be your own boss. Learn how to be a profitable, innovative risk taker.

Business and Entrepreneurship Academy Course Sequence Sample			
Year One		Year Two	
<u>Semester One</u> (Terms 1 & 2)	<u>Semester Two</u> (Terms 3 & 4)	<u>Semester One</u> (Terms 1 & 2)	<u>Semester Two</u> (Terms 3 & 4)
College Accounting I	College Accounting I	College Accounting II	Entrepreneurship Feasibility Study
Introduction to Business	Wealth Building and Personal Finance	Marketing for the Entrepreneur	Advanced Placement® Macroeconomics
Introduction to Entrepreneurship	Legal Issues for the Entrepreneur	Advanced Placement® Microeconomics	Principles of Management
English 11	English 11	Entrepreneurship Internship	Entrepreneurship Internship

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

### 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.

### 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 Accounting 2010 and 2020 (6 credits).

### 0540 ADVANCED PLACEMENT® 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® Macroeconomics exam.

**Prerequisites:** Alg I/Geo: Foundations 2 or Algebra I

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for Economics 2220 at the University of Nebraska at Omaha.

### 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:** Alg I/Geo: Foundations 2 or Algebra I

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for Economics 2200 at the University of Nebraska at Omaha.

**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 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ENGL 1150 (3 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 INTERNSHIP****12****10 Credits**

**Description:** The student participates in a workplace readiness seminar first semester and will apply entrepreneurship principles in a business setting through an internship second semester.

**Prerequisites:** Completion of Year I Entrepreneurship Academy courses

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for BSAD 2981 (4.5 credits) from Metropolitan Community College.

**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 AEN20 Introduction to Entrepreneurship (3 credits).

**AEN25 LEGAL ISSUES FOR THE ENTREPRENEUR****11****5 Credits**

**Description:** The student will explore state and local legal issues related to business entities including sole proprietorship, general partnerships, limited partnerships, and corporations. Students will review contract law, articles of incorporation and the filing process, employment law (including FEPA, ADA, and FMLA), personnel policies and procedures, the hiring process, job descriptions, and disciplinary actions.

**Prerequisites:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for ENTR 2060 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as College of Business Administration elective (3 credits).

**AEN40 MARKETING FOR THE ENTREPRENEUR****12****5 Credits**

**Description:** Students will gain insights essential for marketing their entrepreneurial venture utilizing innovative and financially responsible marketing strategies. The student will analyze marketing philosophies implemented by key successful entrepreneurs. The student will prepare a marketing plan to launch the entrepreneurial venture and implement the first two years of business operation.

**Prerequisites:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for ENTR 2050 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as College of Business Administration elective (3 credits).

**AEN05 WEALTH BUILDING AND PERSONAL FINANCE****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****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 BSAD 2100 (4.5 credits) Principles of Management from Metropolitan Community College.

## BUSINESS AND LOGISTICS MANAGEMENT ACADEMY

Earn high school and college credits while participating in the Business and Logistics Management Academy. Jump-start your career by entering the workforce with specialized training. Join the fastest growing career field in our state. Nebraska's central location makes it an ideal location to provide services to support manufacturing and to distribute products to the nation.

Business and Logistics Management Academy Course Sequence Sample				
Year One		Year Two		
<u>Semester One</u> (Terms 1 & 2)	<u>Semester Two</u> (Terms 3 & 4)	<u>Semester One</u> (Terms 1 & 2)	<u>Semester Two</u> (Terms 3 & 4)	
English 11	Industrial Safety & Health	College Composition and Research	Production and Operations Management	Purchasing and Materials Management
	Introduction to Distribution	Mechanical Print Reading	Radio Frequency Identification	
Introduction to Business	Principles of Marketing	Business Logistics		
Introduction to Transportation, Distribution & Logistics	Principles of Management	Business & Logistics Management Internship		

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

### 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

### 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

### 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) Introduction to Business from Metropolitan Community College.

### 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) Industrial Safety and Health 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) Introduction to Distribution 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) Principles of Marketing from Metropolitan Community College and will transfer to University of Nebraska at Omaha as Marketing 3310.

**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 BSAD 2100 (4.5 credits) Principles of Management from Metropolitan Community College and will transfer to University of Nebraska at Omaha as Management 3490.

**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 PRMA 1050 (4 credits) Print Reading 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) Business Logistics from Metropolitan Community College.

**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) Purchasing and Materials Management 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 BSAD 2420 (4.5 credits) Production and Operations Management from Metropolitan Community College.

**ATD55 BUSINESS AND LOGISTICS MANAGEMENT INTERNSHIP** 12 10 Credits

**Description:** The internship 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

**ATD65 RADIO FREQUENCY IDENTIFICATION** 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 ELEC 1300 (4.5 credits) Radio Frequency Identification from Metropolitan Community College.

## EDUCATION ACADEMY

Earn high school and college credit while participating in the Education Academy. Jump-start your career by entering the workforce with specialized training. Teachers are retiring, and schools will need teachers nationwide.

Education Academy Course Sequence Sample			
Year One		Year Two	
Semester One (Terms 1 & 2)	Semester Two (Terms 3 & 4)	Semester One (Terms 1 & 2)	Semester Two (Terms 3 & 4)
English 11	Professional Speaking	Introduction to Communication Disorders	Behavior Modification and Principles of Learning
	Introduction to Professional Education	College Composition and Research	Education Seminar II
Child Development	World Religions	Advanced Placement <sup>®</sup> Psychology	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<sup>®</sup> PSYCHOLOGY

12

5 Credits

**Description:** Students will continue to focus on the concepts started in Psychology. Students will further 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. Completion of this course will prepare students to take the Advanced Placement<sup>®</sup> Psychology exam.

**Prerequisites:** Psychology

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

### AED20 BEHAVIOR MODIFICATION AND PRINCIPLES OF LEARNING

12

5 Credits

**Description:** This course will expose the student to the history and various theoretical approaches to the study of learning and behavior modification. The student will have opportunities to learn applied behavior modification techniques including observing and recording behavior as well as formulating and writing behavioral objectives. This course will also include an examination of motivation, attitude formation and cognitive intervention approaches.

**Prerequisites:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for PSYCH 2140 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as a College of Education elective.

### 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 is offered for dual enrollment credit for ECED 1150 (4.5 credits) from Metropolitan Community College. Completion of this course will transfer to University of Nebraska at Omaha as a College of Education elective course TED 2250 (3 credits).

**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. Completion of this course will transfer to University of Nebraska at Omaha as a College of Education elective course.

**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 2510 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ENGL 1150 and ENGL 2450 (3 credits).

**AED25 INTRODUCTION TO COMMUNICATION DISORDERS****12****5 Credits**

**Description:** This course is designed to introduce students to the fields of speech-language pathology, audiology, and education of the deaf/hearing impaired. The course is an overview of normal development of speech, language and hearing and the disorders of human communication in children and adults.

**Prerequisites:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for SPED 1400 (3 credits) from University of Nebraska at Omaha.

**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).

**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 SPCH 1110 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as SPCH 1110.

**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.

**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.

## HEALTH SCIENCES ACADEMY

Earn high school and college credit while participating in the Health Sciences Academy. Jump-start your career by entering the workforce with specialized training. Nebraska will continue to need more health care practitioners and health care support specialists. Earn Certified Nursing Assistant and Emergency Medical Technician credentials.

Health Sciences Academy Course Sequence Sample					
Year One		Year Two			
<u>Semester One</u> (Terms 1 & 2)	<u>Semester Two</u> (Terms 3 & 4)	<u>Semester One</u>	<u>Semester Two</u>	<u>Semester Three</u>	<u>Semester Four</u>
Human Anatomy & Physiology for Health Sciences	Health Sciences Orientation Seminar: <ul style="list-style-type: none"><li>• Cardiopulmonary Resuscitation</li><li>• Heart Saver First Aid/AED</li><li>• Foundations of Health Careers</li></ul>	Long Term Care/Certified Nursing Assistant	Emergency Medical Technician-Basic	Genetics	College Writing
	Medical Terminology II			Psychology	AP Psychology
Medical Terminology I	Nutrition in the Life Cycle				
Introduction to Medical Law & Ethics	Disease Processes	Health Sciences Internship	Health Sciences Internship		

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

### 0432 PSYCHOLOGY

11-12

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

### 0453 ADVANCED PLACEMENT® PSYCHOLOGY

12

5 Credits

**Description:** Students will continue to focus on the concepts started in Psychology. Students will further 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. Completion of this course will prepare students to take the Advanced Placement® Psychology exam.

**Prerequisites:** Psychology

### 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.

### 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 AND HEART SAVER FIRST AID/AED**

**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 and EMSP 1010 (1 credit) Heart Saver First Aid/AED 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.

**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; Student Liability Insurance \$14.50

**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.

**AHS40 GENETICS****12****5 Credits**

**Description:** Many of the advances taking place in biology and medicine require a good understanding of genetics. Both classical and modern genetics are discussed in this course. This course fulfills Science elective credit.

**Prerequisites:** Biology

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for HLTH 2010 (4.5 credits) Genetics from Metropolitan Community College.

**AHS45 EMERGENCY MEDICAL TECHNICIAN (EMT) - BASIC****12****10 Credits**

**Description:** The Emergency Medical Technician 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 HLTH 1101 EMT-Basic (7.5 credits) from Metropolitan Community College.

**AHS50 HEALTH SCIENCES INTERNSHIP****12****10 Credits**

**Description:** This internship 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 AHS45 Emergency Medical Technical (EMT)-Basic

**0035 COLLEGE WRITING****12****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



## ADVANCED PLACEMENT® COURSES

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>ADVANCED PLACEMENT®</b>										
0047 A/B	AP English Language and Composition	10			0004 or 0007	•		•	•	•
0048 A/B	AP English Literature and Composition	10			0004 or 0007	•		•	•	•
0119 A/B	AP German Language and Culture	10			0118			•	•	•
0139 A/B	AP French Language and Culture	10			0137			•	•	•
0159 A/B	AP Spanish Language and Culture	10			0158			•	•	•
0172 A/B	AP Latin	10			0164			•		
0243 A/B	AP Statistics	10			0231	•		•	•	•
0252 A/B	AP Calculus AB	10			0238, 0239	•		•	•	•
0253 A/B	AP Calculus BC	10			0239	•		•	•	•
0257A/B	AP Computer Science A	10	10-12		0563			•	•	•
0565 A/B	AP Computer Science Principles	10			0204 or 0211			•	•	•
0347 A/B	AP Environmental Science	10			0327 †	•		•	•	•
0370 A/B	AP Chemistry	10			0231 †	•		•	•	•
0377 A/B	AP Biology	10			0327, 0334	•		•	•	•
0383 A/B	AP Physics 1: Algebra-Based	10	10-12	P	0231 or 0233†, 0327	•		•	•	•
0384 A/B	AP Physics 2: Algebra-Based	10			0352, 0383†	•		•	•	•
0415	AP United States Government and Politics	5	11-12			•		•	•	•
0424 A/B	AP World History	10	10-12			•		•	•	•
0450 A/B	AP United States History	10	11-12			•		•	•	•
0451 A/B	AP European History	10			0408 or 0456	•		•	•	•
0453	AP Psychology	5			0432	•		•	•	•
0456 A/B	AP Human Geography	10			0412 †	•		•	•	•
0457	AP Comparative Government and Politics	5			0420 or 0424	•		•	•	•
0540	AP Macroeconomics	5			0211			•	•	•
0541	AP Microeconomics	5			0211			•	•	•
0799	AP Music Theory	5			0798			•	•	•

P = Fulfills Physics Graduation Requirement

† = See course descriptions for additional requirements.

Individual course descriptions are included within each department.



The Advanced Placement® program is an endeavor among secondary schools, colleges, and universities. AP courses provide students with the opportunity to take college-level courses in a high school setting. Based on performance on AP examinations, students may earn college credit, advanced placement at college or university, or both. This provides students the opportunity to reduce college tuition and graduate from college earlier. Research indicates that students who take an AP course and exam perform better in college than students who have not, even if only a 1 or 2 is earned (5 being the highest score).

Millard Public Schools began building an Advanced Placement® culture during the 2005-2006 school year as a result of the 2004 District Strategic Plan. As the district moved into the next phase of creating an AP culture, we highly encouraged all students to take at least one AP course and exam during their high school experience. In an effort to eliminate a potential financial barrier for students, the MPS Foundation continues their commitment to support the AP culture by contributing to AP exam fees not funded through UNO Dual Enrollment course registration. We thank the MPS Foundation and their donors for supporting this worthwhile endeavor as our students continue to strive toward completing the most rigorous courses during their high school years.

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

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

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	
<b>AIR FORCE JUNIOR RESERVE OFFICER TRAINING CORPS (AFJROTC)</b>							
	Cadet Year 1						The AFJROTC is located at Millard South High School.
AS100	A Journey into Aviation History	5					
LE100	Citizenship, Character and Air Force Tradition	5		PE			
AS220	Cultural Studies: An Intro to Global Awareness	5		WG			
	Cadet Year 2						
AS200	The Science of Flight: A Gateway to New Horizons	5		SE			Within District transfer is required to participate.
LE200	Communication, Awareness and Leadership	5					
	Cadet Year 3						
AS300	Exploring Space: The High Frontier	5					
LE300	Life Skills and Career Opportunities	5		FL			
	Cadet Year 4						
AS400	Management of the Cadet Corps	5	11-12				
LE400	Principles of Management	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 A JOURNEY INTO AVIATION HISTORY

5 Credits

**Description:** Cadets will focus on the history of aviation focusing on the development of flight throughout the centuries with an emphasis on civilian and military contributions including development, modernization, and transformation of the Air Force. Must be taken concurrently with LE100 Citizenship, Character and Air Force Tradition.

**Credit Earned:** Elective

### LE100 CITIZENSHIP, CHARACTER AND AIR FORCE TRADITION

5 Credits

**Description:** Cadets will be introduced to the importance of AFJROTC history, mission, purpose, goals, and objectives while practicing elements of good citizenship. This course includes Cadet and Air Force organizational structures; uniform wear; customs, courtesies, and other military traditions; health, wellness and fitness activities; stress management; and individual self-control. Must be taken concurrently with AS100 Journey into 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 would fulfill 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.

**Credit Earned:** Elective

**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.

**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.

**Credit Earned:** Successful completion of this course fulfills the Financial Literacy Graduation Requirement.

**LE400 PRINCIPLES 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.

**Credit Earned:** Elective

## EARLY COLLEGE

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

Students enrolled in Early College earn a Millard diploma while also fulfilling the requirements for an Associate of Arts degree at Metropolitan Community College. Students may transfer this degree to the University of Nebraska system to fulfill many of the general education requirements for a Bachelor's degree. Students must submit an application and be accepted to participate. 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. The Millard courses listed below are approved for dual enrollment at Metropolitan Community College.

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Dual Enrollment Credit	
<b>EARLY COLLEGE</b>								
	<b>9th Grade</b>				Application			
0327 A/B	Biology	10	9			•	M	This program is located at Millard South High School.
0456 A/B	AP Human Geography	10			†	•		
0561	Information Technology Applications	5					M	
PD80	Academic Seminar	5					M	
0154 A/B	Honors Spanish II	10			0152		M	
	<b>10th Grade</b>				Application			
0004 A/B	Honors English 10	10			0003	•	M	Within District transfer is required to participate.
0334 A/B	Chemistry	10		C	0211, 0327	•	M	
0420 A/B	World History or	10	10-12			•	M	
0424 A/B	AP World History	10	10-12			•	M	
0720	Drawing or	5			0705		M	
0020	Speech	5		OC		•	M	
0136 A/B	Honors French III	10			0133 or 0134		M	
0156 A/B	Honors Spanish III	10			0153 or 0154		M	
	<b>11th Grade</b>				Application			
0007 A/B	English 11	10			0002 or 0060	•	M	
0231 A/B	Algebra II	10			0220	•	M	Application is open to all Millard students.
0243 A/B	AP Statistics	10			0231	•	M	
0233 A/B	Honors Algebra II	10			0221	•	M	
0383 A/B	AP Physics 1: Algebra-Based	10	10-12	P	0231 or 0233†, 0327		M	
0138 A/B	Honors French IV/French V	10			0136 or 0137		M	
0114 A/B	Honors German II or	10			0112		M	
0158 A/B	Honors Spanish IV/Spanish V	10			0156 or 0157		M	
0747	Music Connections	5		F			M	
	<b>12th Grade</b>				Application			
0035	College Writing	5			0004 or 0007	•	M	
0048 A/B	AP English Literature and Composition	10	12		0004 or 0007		M	
0244 A/B	College Algebra or	10			0231	•	M	
0238 A/B	Precalculus or	10			0231	•	M	
0239 A/B	Honors Precalculus	10			0233	•	M	
0252 A/B	AP Calculus AB	10			0238 or 0239	•	M	
0253 A/B	AP Calculus BC	10			0239	•	M	
0254 A/B	Calculus III/Differential Equations *	10			0253	•	M	
0414	United States Government and Economics	5	11-12		0420 or 0424	•	M	
0415	AP United States Government and Economics	5	11-12		0420 or 0424	•	M	
0450 A/B	AP United States History	10	11-12		0420 or 0424		M	
0453	AP Psychology	5			0432		M	
0540	AP Macroeconomics	5			0204 or 0211		M	
0541	AP Microeconomics	5			0204 or 0211		M	
0139 A/B	AP French Language and Culture	10			0138		M	
0118 A/B	Honors German IV/German V	10			0116 or 0117		M	
0119 A/B	AP German Language and Culture	10			0118		M	
0159 A/B	AP Spanish Language and Culture	10			0158		M	

C = Fulfills Chemistry Graduation Requirement

M=Metropolitan Community College

F = Fulfills Fine and Performing Arts Requirement

† = See course descriptions for additional requirements

OC = Fulfills Oral Communications Graduation Requirement

P = Fulfills Physics Graduation Requirement

## EARLY COLLEGE

*Dual Enrollment Credit statements pertain only to the courses within the Early College Program.*

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 must submit an application and be accepted to participate. The Millard Public Schools Foundation pays half of the reduced rate of tuition. This provides students the opportunity to reduce college tuition and graduate from college, or pursue a graduate studies program earlier. We thank the MPS Foundation and their donors for supporting this worthwhile endeavor as our students continue to strive toward completing the most rigorous courses during their high school years.



### PD80 ACADEMIC SEMINAR

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:** An application process to be completed through the High School Guidance Office. Participation in this course is limited to one time and must be taken concurrently with at least one other course that requires increased academic rigor so that techniques learned in this course can be immediately applied outside of this course.

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for HMRL 1010 (4.5 credits) from Metropolitan Community College.

### 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

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for ENGL 1010 (4.5 credits) and ENGL 24500 (4.5 credits) from Metropolitan Community College.

### 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

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for ENGL 1010 and ENGL 2510 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ENGL 1150 and ENGL 2450 (3 credits).

**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

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for SPCH 1110 (4.5 credits) from Metropolitan Community College.

**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

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for ENGL 1020 (4.5 credits) from Metropolitan Community College.

**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

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for ENGL 2450 (4.5 credits) from Metropolitan Community College.

**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 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® courses.

**Prerequisites:** German 8 or German I

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for GERM 1010 (7.5 credits) from Metropolitan Community College

**0118 HONORS GERMAN IV/GERMAN 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 German. Honors Level IV is recommended for all students who plan to pursue Advanced Placement® courses.

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

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for GERM 1020 (7.5 credits) from Metropolitan Community College.

**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:** Honors German IV/German V

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for GERM 2900 (4.5 credits) from Metropolitan Community College.

**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® courses.

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

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

**0138 HONORS FRENCH IV/FRENCH 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 French. Honors Level IV is recommended for all students who plan to pursue Advanced Placement® courses.

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

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for FREN 2110 (4.5 credits) and French 2120 (4.5 credits) from Metropolitan Community College.

**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:** Honors French IV/French V

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for FREN 2900 (4.5 credits) from Metropolitan Community College.

**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 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:** Spanish C or Spanish I

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for SPAN 1110 (4.5 credits) from Metropolitan Community College.

**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:** Spanish II or Honors Spanish II

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

**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® courses.

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

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for SPAN 2110 (4.5 credits) and SPAN 2120 (4.5 credits) from Metropolitan Community College.

**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:** Honors Spanish IV/Spanish V

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for SPAN 2900 (4.5 credits) from Metropolitan Community College.

**0231 ALGEBRA II**

10 Credits

**Description:** Students will explore a variety of advanced, integrated algebraic topics such as systems of equations and inequalities, higher-ordered polynomials, and advanced functions. Algebra II completes the three-year mathematics sequence required by many colleges.

**Prerequisites:** Geometry

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for MATH 1310 (4.5 credits) from Metropolitan Community College.

**0233 HONORS ALGEBRA II**

10 Credits

**Description:** Students will further develop understanding of a variety of advanced algebraic topics such as systems of equations and inequalities, higher-ordered polynomials, advanced functions, and discrete mathematics topics. This course will go into greater depth than Algebra II and is recommended for students who plan to pursue Advanced Placement® mathematics classes.

**Prerequisites:** Honors Geometry

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for MATH 1310 (4.5 credits) from Metropolitan Community College.

**0238 PRECALCULUS**

10 Credits

**Description:** Students will investigate functions, conic sections, and trigonometry through an algebraic, analytical, numerical, and graphical approach, including mathematical modeling for real-world application.

**Prerequisites:** Algebra II

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for MATH 1420 (4.5 credits) and MATH 1430 (4.5 credits) from Metropolitan Community College.

**0239 HONORS PRECALCULUS**

10 Credits

**Description:** Students will investigate functions, conic sections, and trigonometry through an algebraic, analytical, numerical, and graphical approach, including mathematical modeling for real-world application. This course will go into greater depth than Precalculus and is recommended for students who plan to pursue Advanced Placement® mathematics classes.

**Prerequisites:** Honors Algebra II

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for MATH 1420 (4.5 credits) and MATH 1430 (4.5 credits) from Metropolitan Community College.

**0243 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

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for MATH 1410 (4.5 credits) from Metropolitan Community College.



**0244 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 or Trigonometry should enroll in Precalculus or Honors Precalculus.

**Prerequisites:** Algebra II

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for MATH 1420 (4.5 credits) from Metropolitan Community College

**0252 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 or Honors Precalculus

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for MATH 2410 (7.5 credits) from Metropolitan Community College.

**0253 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

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for MATH 2410 (7.5 credits) and MATH 2411 (7.5 credits) from Metropolitan Community College.

**0254 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

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for MATH 2412 (6 credits) and MATH 2510 (4.5 credits) from Metropolitan Community College.

**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, genetics, biochemistry and 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:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for BIOS 1010 (6 credits) from Metropolitan Community College.

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

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for CHEM 1010 (7 credits) from Metropolitan Community College.

**0383 ADVANCED PLACEMENT® PHYSICS 1: ALGEBRA-BASED** 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 and not this course due to repeated content.

**Prerequisites:** Completion of or concurrent enrollment in Algebra II (or Algebra II: Foundations 4) and Biology

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for PHYS110A, 110B, and 110C (6.5 credits) from Metropolitan Community College.

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

**Description:** Students will acquire knowledge and skills necessary to function as an educated, concerned, and active citizen 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 Metropolitan Community College.

**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® exam.

**Prerequisites:** None

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

**0420 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:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for HIST 1110 (4.5 credits) and HIST 1120 (4.5 credits) from Metropolitan Community College.

**0424 ADVANCED PLACEMENT® 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 to analyze their historical impact upon one another. This course explores the time periods from prehistory to the present. Completion of this course will prepare students to take the World History Advanced Placement® exam.

**Prerequisites:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for HIST 1110 (4.5 credits) and HIST 1120 (4.5 credits) from Metropolitan Community College.

**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

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for HIST 1010 (4.5 credits) and HIST 1020 (4.5 credits) from Metropolitan Community College.

**0453 ADVANCED PLACEMENT® PSYCHOLOGY** 5 Credits

**Description:** Students will continue to focus on the concepts started in Psychology. Students will further 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. Completion of this course will prepare students to take the Advanced Placement® Psychology exam.

**Prerequisites:** Psychology

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for PSYCH 1010 (4.5 credits) from Metropolitan Community College.

**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.

**Prerequisites:** None

**Dual Enrollment Credit:** Dual credit by AP exam for GEOG 1020 (4.5 credits) from Metropolitan Community College.

**0540 ADVANCED PLACEMENT® MACROECONOMICS**

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® Macroeconomics exam.

**Prerequisites:** Alg I/Geo: Foundations 2 or Algebra I

**Dual Enrollment Credit:** Dual credit by AP exam for ECON 1000 (4.5 credits) from Metropolitan Community College or dual enrollment through UNO.

**0541 ADVANCED PLACEMENT® MICROECONOMICS**

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:** Alg I/Geo: Foundations 2 or Algebra I

**Dual Enrollment Credit:** Dual credit by AP exam for ECON 1100 (4.5 credits) from Metropolitan Community College or dual enrollment through UNO.

**0561 INFORMATION TECHNOLOGY APPLICATIONS**

5 Credits

**Description:** Students will think analytically, manipulating information and using the computer as a productivity tool. This course will focus on advanced skill development in word processing, spreadsheet, database, integration of applications utilizing advanced features, and exploring web technologies. Students will apply the ethical, legal, and social responsibilities of computing. Students will practice professional communication techniques by collaborating and communicating via the Internet.

**Prerequisites:** None

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for INFO 1001 (4.5 credits) from Metropolitan Community College.

**0720 DRAWING**

5 Credits

**Description:** Drawing is a course that provides students with an in-depth study of drawing techniques, processes, and media. In addition to art production, students will use a variety of learning strategies including reading, responding, and analyzing to develop a deeper understanding of art.

**Prerequisites:** Art Foundations

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for ARTS 1010 (5 credits) from Metropolitan Community College.

**0747 MUSIC CONNECTIONS**

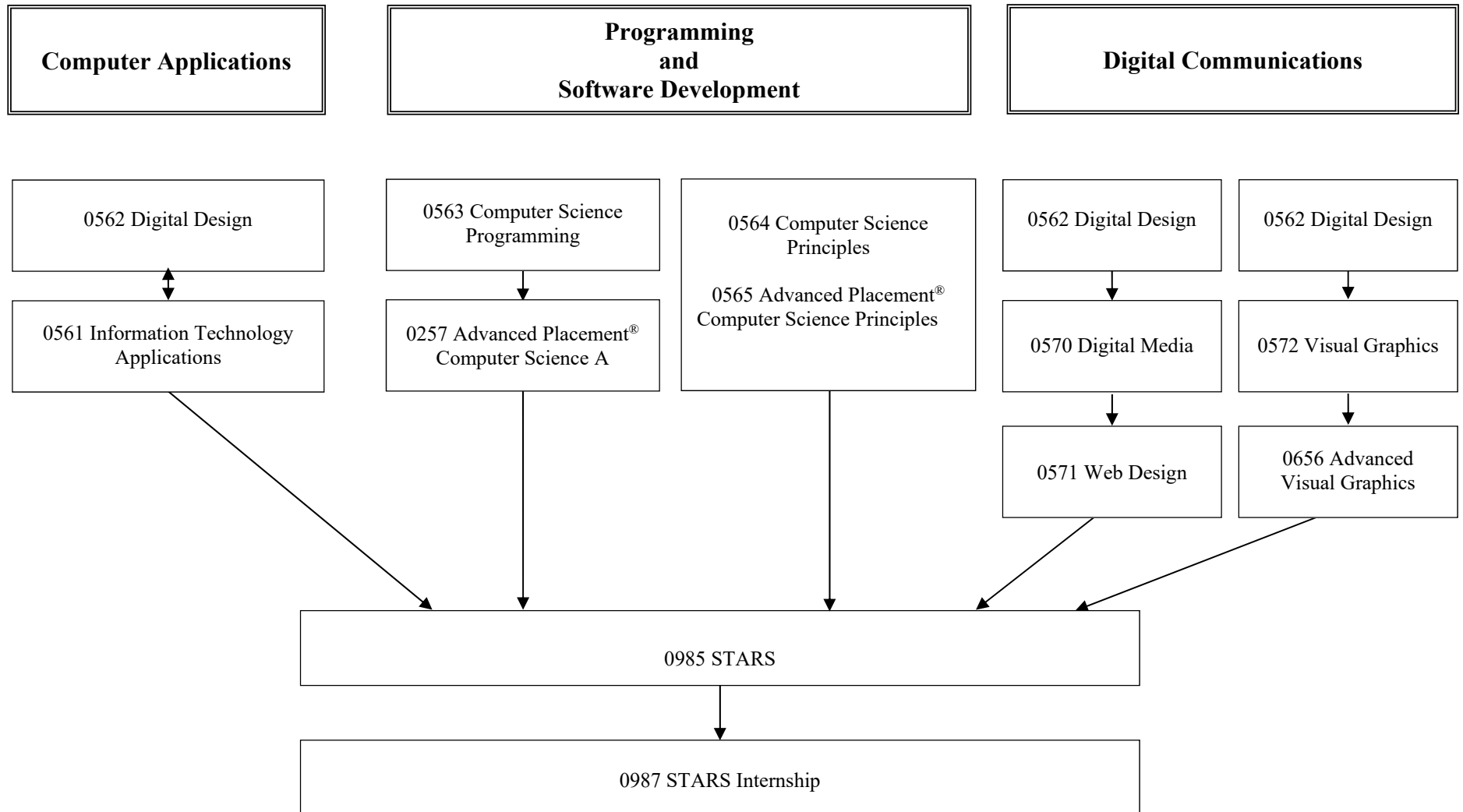
5 Credits

**Description:** In this course, students will learn about music connections by completing projects based on students' interest. Students will have the chance to explore careers in music, history and culture, styles and genres, connections with other disciplines, and evaluate and analyze music. Project based learning will occur varying from creating your own music video to discovering other musical opportunities.

**Prerequisites:** None. This is a non-performance course.

**Dual Enrollment Credit:** This course is offered for dual enrollment credit for MUSC 1050 (4.5 credits) from Metropolitan Community College.

**INFORMATION TECHNOLOGY MINI MAGNET  
(OFFERED AT MILLARD SOUTH ONLY)**



# INFORMATION TECHNOLOGY MINI-MAGNET PROGRAM

Millard South Only

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>INFORMATION TECHNOLOGY (IT) MINI-MAGNET PROGRAM</b>										
	<b>Computer Applications</b>									
0561	Information Technology Applications	5							•	
	<b>Programming and Software Development</b>									
0563	Computer Science Programming	5							•	
0257 A/B	AP Computer Science A	10			0563				•	
0564	Computer Science Principles	5							•	
0565 A/B	AP Computer Science Principles	10			0204 or 0211				•	
	<b>Digital Communications</b>									
0562	Digital Design	5							•	
0570	Digital Media	5			0562				•	
0571	Web Design	5			0570				•	
0572	Visual Graphics	5			0571				•	
0656	Advanced Visual Graphics	5			0572				•	
0985 A/B	STARS	10	11-12		†				•	
0987 A/B	STARS Internship	10	11-12		0985†				•	

† = See course descriptions for additional requirements.

## INFORMATION TECHNOLOGY MINI-MAGNET PROGRAM

### 0570 DIGITAL MEDIA

5 Credits

**Description:** Students will create, design, and produce digital media including sound, video, graphics, text, and animation. Emphasis will be placed on effective use of tools for interactive multimedia production including storyboarding, visual development, project management, and web processes.

**Prerequisites:** Digital Design

### 0571 WEB DESIGN

5 Credits

**Description:** Students will demonstrate knowledge of web design and languages to create a content rich and visually pleasing website that captures and keeps visitors' interests. Focus will be given to effective page layout, image creation and manipulation, interactivity, content creation, and project management.

**Prerequisites:** Digital Media

### 0572 VISUAL GRAPHICS

5 Credits

**Description:** Students will interact with advanced digital techniques and processes. Areas of study include operating cameras, use of light, image capture, and processing digital images. Students will also learn the history of photography, legal and ethical issues related to the field of visual graphics.

**Prerequisites:** Digital Design

### 0656 ADVANCED VISUAL GRAPHICS

5 Credits

**Description:** This course provides advanced visual graphics students with instruction in advanced digital techniques and processes in commercial photography. Manipulation of images using industry-standard software is also included. Students will be required to exhibit their projects. The appropriate use of technology and industry-standard equipment is an integral part of this course.

**Prerequisites:** Visual Graphics

**0985 STARS****11-12**

10 Credits

**Description:** Students who have completed the courses in a technology sequence will pursue advanced application in the pathway. Students will work independently or in a team, to complete problem-based learning projects for internal clients such as Millard Public Schools or approved businesses and agencies. Students will evaluate the client's needs and produce professional digital media products. Students will complete a capstone project or a portfolio.

**Prerequisites:** Completion of the Technology Mini-Magnet strands and completed application

**0987 STARS INTERNSHIP****11-12**

10 Credits

**Description:** Students will enhance their technology skills through part-time employment. Students may obtain part-time jobs through the teacher or may seek a position independently. Students must work an average of 10 hours per week to receive credit.

**Prerequisites:** Concurrent enrollment with STARS

**Refer to the Business and Information Technology section on page 23 for descriptions of the following courses:**

0560	Introduction to Technology
0561	Information Technology Applications
0563	Computer Science Programming
0564	Computer Science Principles
0257	Advanced Placement® Computer Science A
0565	Advanced Placement® Computer Science Principles



## INTERNATIONAL BACCALAUREATE® MIDDLE YEARS PROGRAMME

Millard North High School only

### Middle Years Programme (IB-MYP)

The International Baccalaureate® Organization's Middle Years Programme, offered by the IBO since 1994, provides a framework of academic challenge and life skills for students aged 11-16 years. The Areas of Interaction are the interdisciplinary approach for delivering the IB-MYP to connect the eight subject areas. These themes include: Approaches to Learning, Environment, Human Ingenuity, Health and Social Education, and Community and Service. The program is devised to help students develop the knowledge, attitude, and skills to participate actively and responsibly in a changing and increasingly interrelated world. It includes problem solving and analysis which leads to critical thinking. The MYP is designed to teach students to become independent learners who can recognize relationships between school subjects and the world outside.

The program aims to enable students to:

- build upon their spirit of discovery to develop an understanding and enjoyment of the process of learning independently and in cooperation with others
- acquire knowledge and understanding and prepare for further learning
- recognize the extent to which knowledge is interrelated
- learn to communicate effectively in a variety of ways
- develop a sense of personal and cultural identity and a respect for themselves and for others
- acquire insights into local and global concerns affecting health, the community and the environment, and develop a sense of individual and collective responsibility and citizenship

This program requires enrollment at Millard North High School. It is a two-year program in which students must enter at the 9<sup>th</sup> grade level and continue through the 10<sup>th</sup> 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. This program is one path to the IB Diploma Programme but does not guarantee entrance or success in the Diploma Programme.

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) 715-1226.

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 grade.
  - Subject areas include: Language A, Language B, Humanities, Science, Mathematics, Arts, Technology, Physical Education
- Completion of 20 hours of service and reflection during both the ninth and tenth grade.
- Creation and presentation of a Personal Project during the tenth grade.

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Page Number
<b>INTERNATIONAL BACCALAUREATE® MIDDLE YEARS PROGRAMME</b>							
0001 A/B	English 9	10				•	38
0002 A/B	English 10	10				•	38
0003 A/B	Honors English 9	10				•	38
0004 A/B	Honors English 10	10			0003	•	38
0021 A/B	Forensics: Competitive Speech	10		OC			39
0059 A/B	English 9 Literacy Enrichment	10					41
0060 A/B	English 10 Literacy Enrichment	10					41
0064	Introduction to Journalism, Photojournalism, and Broadcast Journalism	5					42
0077	Broadcast Journalism	5			0064		43
0203 A/B	Alg I: Foundations 1	10					45
0204 A/B	Alg I/Geo: Foundations 2	10					46
0211 A/B	Algebra I	10				•	46
0220 A/B	Geometry	10			0211	•	46
0221 A/B	Honors Geometry	10			0211	•	46
0231 A/B	Algebra II	10			0220	•	46
0233 A/B	Honors Algebra II	10			0221	•	46
0238 A/B	Precalculus	10			0231	•	47
0239 A/B	Honors Precalculus	10			0233	•	47

OC = Fulfills Oral Communications Graduation Requirement

# INTERNATIONAL BACCALAUREATE® MIDDLE YEARS PROGRAMME

Offered at Millard North only

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Page Number
<b>INTERNATIONAL BACCALAUREATE® MIDDLE YEARS PROGRAMME</b>							
0112 A/B	German I	10					76
0113 A/B	German II	10			0112		76
0114 A/B	Honors German II	10			0112		76
0115 A/B	Honors German III	10			0113		76
0132 A/B	French I	10					74
0133 A/B	French II	10			0132		74
0134 A/B	Honors French II	10			0132		75
0136 A/B	Honors French III	10			0134		75
0152 A/B	Spanish I	10					77
0153 A/B	Spanish II	10			0152		77
0154 A/B	Honors Spanish II	10			0152		77
0156 A/B	Honors Spanish III	10			0154		77
0162 A/B	Latin I	10					78
0163 A/B	Latin II	10			0162		78
0561	Information Technology Applications	5					23
0562	Digital Design	5					23
0563	Computer Science Programming	5					23
0321 A/B	Introduction to IB Chemistry and IB Physics	10	10	C, P	0327	•	60
0327 A/B	Biology	10	9			•	61
0328	Physical Science: Chemistry	5	10-11	C	0327	•	61
0329	Physical Science: Physics	5	10-11	P	0327 +	•	61
0334 A/B	Chemistry	10	10-12	C	0211	•	61
0352 A/B	Physics	10	10-12	P		•	61
0383 A/B	AP Physics 1: Algebra-Based	10	10-12	P	0231 or 0233†, 0327		63
0456 A/B	AP Human Geography	10				•	67
0408	World Geography	5	9			•	65
0500	Personal Finance	5		FL			22
0662	Introduction to Engineering Design I	5					33
0663	Introduction to Engineering Design II	5			0662		33
0705	Art Foundations	5		F			17
0706 A/B	Introduction to IB Visual Arts	10	10-11	F	0705		17
0720	Drawing	5		F	0705		17
0722	Painting	5		F	0705		17
0704	Color and Design	5		F			16
0732	Marching Band	5		F			51
0733	Concert Band	5		F			51
0734	Symphonic Band	5		F			52
0735	Wind Ensemble	5		F			52
0736 A/B	Philharmonic Orchestra	10		F			52
0737 A/B	Symphony Orchestra	10		F			52
0756 A/B	Voce	10		F			52
0757 A/B	Cantori	10		F			52
0758 A/B	Singers	10		F			52
0746 A/B	Contemporary Ensemble	10		F			53
0747	Music Connections	5		F			53
0800	Sport Skills and Fitness	5					55
0801	Cross Training I	5			†		56
0808	Introduction to Aquatics	5			†		57
0810	Aquatics	5					58

C = Fulfills Chemistry Graduation Requirement

F = Fulfills Fine and Performing Arts Graduation Requirement

FL = Fulfills Financial Literacy Graduation Requirement

P = Fulfills Physics Graduation Requirement

† = See course descriptions for additional requirements.



## 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		Subject Area 1: Language A	
English 9	Honors English 9	English 10	Honors English 10
English 9 Literacy Enrichment		English 10 Literacy Enrichment	
Subject Area 2: Language B		Subject Area 2: Language B	
Spanish I	Honors Spanish II	Spanish II	Honors Spanish III
Spanish II		Spanish III	
German I	Honors German II	German II	Honors German III
German II		German III	
French I	Honors French II	French II	Honors French III
French II		French III	
Latin I		Latin II	
Subject Area 3: Mathematics		Subject Area 3: Mathematics	
Algebra I: Foundations I		Algebra/Geometry: Foundations II	
Algebra I		Algebra I	
Geometry	Honors Geometry	Geometry	Honors Geometry
Algebra II	Honors Algebra II	Algebra II	Honors Algebra II
Precalculus	Honors Precalculus	Precalculus	Honors Precalculus
Subject Area 4: Science		Subject Area 4: Science	
Biology		Physical Science: Chemistry	Physical Science: Physics
		Chemistry	Physics or AP Physics 1: Algebra-Based
			Intro to IB Chemistry & IB Physics
Subject Area 5: Humanities		Subject Area 5: Humanities	
World Geography (5)	International Relations (5)	World History	
AP Human Geography (10)	Human Diversity (5)	AP World History	
Subject Area 6: Choose ONE Area for the 9 <sup>th</sup> grade		Subject Area 6: Choose ONE Area for the 10 <sup>th</sup> grade	
Physical Education Technology Arts		Physical Education Technology Arts	
Semester One:	Semester Two:	Semester One: Healthy Living (Everyday Living)	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, or the Arts during both the 9<sup>th</sup> and 10<sup>th</sup> grade.

### Course Options for Subject Area 6:

Physical Education	Technology	Arts
Sport Skills & Fitness Cross Training I / II Introduction to Aquatics / Aquatics	Information Technology Applications Digital Design Computer Science Principles AP Computer Science Principles Intro to Engineering Design I  Intro to Engineering Design II Introduction to Journalism, Photojournalism, and Broadcast Journalism**  **Courses will meet the IB-MYP requirements for the designated subject area	Art Foundations Color and Design Drawing (Art Foundations Prerequisite) Painting (Drawing Prerequisite) Intro IB Visual (Art Foundations Prerequisite) (YR) Cantori/Voce Orchestra (YR) JV Choir (YR) Symphonic/Marching Band (YR) Forensics: Competitive Speech* (YR)  *Does not meet Millard Fine Arts Requirement

### Additional Program Requirements

9 <sup>th</sup> Grade Community and Service	10 <sup>th</sup> Grade Community and Service
20 Hours – Verification and PLP reflection should be submitted to IB-MYP Coordinator by the end of the school year. <i>10 hours may be completed through participation in an Activity at MNHS</i>	20 Hours – Verification and PLP reflection should be submitted to IB-MYP Coordinator by the end of the school year. <i>10 hours may be completed through participation in an Activity at MNHS</i>
IB-MYP Meetings	Personal Project
Bi-Monthly meetings with the Program Coordinator to discuss community and service, assessments, and introduction to the Personal Project.	Meetings with Project Supervisor and completion of a product and written reflection of the process.

# INTERNATIONAL BACCALAUREATE® DIPLOMA PROGRAMME

## 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.

The program was born of efforts to establish a common curriculum and university entry credential for students moving from one country to another. International educators were motivated by practical considerations but also by an idealistic vision. Students should share an academic experience that would emphasize critical thinking, intercultural understanding, and exposure to a variety of points of view.

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.

The six academic subjects are studied concurrently; students are required to study both the humanities and the sciences. Diploma candidates must select one subject from each of the six groups. At least three but not more than four are taken at higher level (HL), while the others are standard level (SL); HL courses span two years of study, while 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>	<b>English HL</b> (best language)
<b>Group 2</b>	<b>Language B</b>	(second language) <b>French B SL, German B SL, Latin SL, Spanish B SL</b>
<b>Group 3</b>	<b>Individuals and Societies</b>	<b>Early Modern World History SL/HL I, History of the Americas HL II, Psychology SL, Business Management SL/HL</b>
<b>Group 4</b>	<b>Experimental Sciences</b>	<b>Biology SL/HL, Chemistry HL, Physics SL/HL, Computer Science HL</b>
<b>Group 5</b>	<b>Mathematics</b>	<b>Mathematical Studies SL, Mathematics SL/HL</b>
<b>Group 6</b>	<b>Electives</b>	<b>Latin SL, Music SL, Psychology SL, Visual Arts SL/HL, Film SL/HL, or a second science from Group 4</b>

<i>HL = Higher Level</i> <i>SL = Standard Level</i>
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**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, Action, 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. Action can include participation in individual and team sports, 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 homeless people.

**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. At least three and not more than four of the six subjects are taken at the Higher Level, the others at Standard 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 satisfactory completion of three additional core requirements: the **Extended Essay**, the courses entitled **Theory of Knowledge (TOK)**, and **Creativity, Action, 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 in seventh grade. 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) 715-1363.

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# INTERNATIONAL BACCALAUREATE® DIPLOMA PROGRAMME

Offered at Millard North only

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Page Number
INTERNATIONAL BACCALAUREATE® DIPLOMA PROGRAMME							
0016 A/B	IB English HL I	10	11		0003, 0004	•	39
0017 A/B	IB English HL II	10	12		0016 +	•	39
0120 A/B	IB German B SL	10	12		0118		77
0140 A/B	IB French B SL	10	12		0138		75
0160 A/B	IB Spanish B SL	10	12		0158		78
0161 A/B	IB Latin SL	10	12		0164		79
0171 A/B	IB Spanish A2 HL A	10	12		0158		78
0554 A/B	IB Business Management SL/HL I	10	11				21
0555 A/B	IB Business Management SL/HL II	10	12		0554		22
0266 A/B	IB Computer Science HL I	10	11		0563		23
0267 A/B	IB Computer Science HL II	10	12		0266		24
0245 A/B	IB Mathematics HL I	10	11		0239	•	48
0246 A/B	IB Mathematics HL II	10	12		0245	•	48
0247 A/B	IB Mathematical Studies SL	10	11-12		0231 or 0233	•	48
0248 A/B	IB Mathematics SL	10	11-12		0239	•	48
0268 A/B	IB Mathematics Analysis & Approaches HL I	10	11		0233		48
0269 A/B	IB Mathematics Analysis & Approaches HL II	10	12		0268		48
0270 A/B	IB Mathematics Applications & Interpretation HL I	10	11		0233		48
0271 A/B	IB Mathematics Applications & Interpretation HL II	10	12		0270		49
0272 A/B	IB Mathematics Applications & Interpretation SL	10	11		0231		49
0371 A/B	IB Chemistry HL I	10	11		0321	•	62
0372 A/B	IB Chemistry HL II	10	12		0371	•	62
0375 A/B	IB Biology SL	10	11-12			•	62
0376 A/B	IB Biology HL I	10	11		0334	•	62
0378 A/B	IB Biology HL II	10	12		0376	•	63
0380 A/B	IB Physics SL	10	11-12		0321 +	•	63
0381 A/B	IB Physics HL I	10	11		0321 +	•	63
0382 A/B	IB Physics HL II	10	12		0381	•	63
0458 A/B	IB Early Modern World History SL/HL I	10	11-12			•	66
0433 A/B	IB Psychology SL	10	11-12			•	67
0455 A/B	IB History of the Americas HL II	10	12		0418	•	67
0727 A/B	IB Visual Arts SL	10	11-12		0706		18
0728 A/B	IB Visual Arts HL I	10	11	F	0706		18
0729 A/B	IB Visual Arts HL II	10	12		0728		18
0767 A/B	IB Music SL Band	10	11-12	F			53
0769 A/B	IB Music SL Orchestra	10	11-12	F			53
0850	IB Theory of Knowledge I	5	11	HR			117
0851	IB Theory of Knowledge II	5	12	HR	0850		117
0073 A/B	IB Film SL	10	11-12				43
0074 A/B	IB Film HL I	10	11				43
0075 A/B	IB Film HL II	10	12		0074		43

F = Fulfills Fine and Performing Arts Graduation Requirement

HR = Fulfills Human Resources Graduation Requirement

† = See course descriptions for additional requirements.

\*Course descriptions are included within each department description: see page listed above.

**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 HL I	IB English HL II
<b>Group 2 - Language B</b>				
French SL	Honors French II	Honors French III	Honors French IV	IB/AP French SL
German SL	Honors German II	Honors German III	Honors German IV	IB/AP German SL
Latin SL	Latin I	Latin II	Latin III	IB/AP Latin SL
Spanish SL	Honors Spanish II	Honors Spanish III	Honors Spanish IV	IB Spanish SL
<b>Group 3 – Individuals and Society</b>				
IB Business Management SL/HL			IB Business Management SL/HL I	IB Business Management SL/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>				
Biology SL	<b>Biology</b>	<b>Chemistry</b> Physical Science: Chemistry	<b>Physics</b> Physical Science: Physics	<b>IB Biology SL</b>
	Biology	Introduction to IB Chemistry & IB Physics	IB Biology SL/HL I	Science Elective
	Biology	Introduction to IB Chemistry & IB Physics	Science Elective	IB Biology SL
Biology HL	<b>Chemistry</b> Physical Science: Chemistry	<b>Physics</b> or AP Physics 1: Algebra-Based or Physical Science: Physics	<b>IB Biology SL/HL I</b>	<b>IB Biology HL II</b>
Chemistry HL	<b>Biology and Chemistry</b>	<b>Physics</b> or AP Physics 1: Algebra-Based	<b>IB/AP Chemistry HL I</b>	<b>IB Chemistry HL II</b>
	Biology	Introduction to IB Chemistry & IB Physics	IB/AP Chemistry HL I	IB Chemistry HL II

Preferred sequences in bold

# Millard North High School

## IB Exams Offered and Course Completion Sequence

<b>Group 4 - Experimental Sciences (cont.)</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>
Physics SL	<b>Biology</b>	<b>Chemistry</b>	<b>Physics or</b> AP Physics 1: Algebra-Based	<b>IB Physics SL/HL I</b>
	Biology	Introduction to IB Chemistry & IB Physics	IB Physics SL/HL I	Science Elective
Physics HL	<b>Biology and Chemistry</b>	<b>Physics or</b> AP Physics 1: Algebra-Based	<b>IB Physics SL/HL I</b>	<b>IB Physics HL II</b>
	Biology	Introduction to IB Chemistry & IB Physics	IB Physics HL I	IB Physics HL II
Computer Science HL		Computer Science Programming	Computer Science HL I	Computer Science HL II
<b>Group 5 - Mathematics</b>				
Mathematical Studies SL	<b>Geometry</b> Algebra I Geometry	<b>Algebra II</b> Geometry Algebra II	<b>IB Mathematical Studies SL</b> Algebra II Precalculus	<b>Elective</b> IB Mathematical Studies SL IB Mathematical Studies SL
Mathematics SL	<b>Honors Algebra II</b> Honors Geometry	<b>Honors Precalculus</b> Honors Algebra II	<b>IB Mathematics SL</b> Honors Precalculus	<b>Elective</b> IB Mathematics SL
Mathematics HL	Honors Algebra II	Honors Precalculus	IB Mathematics HL I	IB Mathematics HL II
<b>Group 6 – Arts &amp; Electives</b>				
Visual Arts SL Visual Arts HL	Art Foundations/Elective Art Foundations/Elective	Intro to IB Visual Arts Intro to IB Visual 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)	Latin I	Latin II	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**

## OTHER OPPORTUNITIES

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>OTHER OPPORTUNITIES</b>										
PD80	Academic Seminar	5	9-12				•	•	•	•
PD85	Academic Seminar Leadership	5	10-12				•	•	•	•
---	ELO Reteaching Courses	5					•	•	•	•
---	Independent Study Courses	5 or 10						•	•	•
---	ACT® Prep Workshop	0	9-12				•	•	•	•
0208	Modular Mathematics	10			†			•	•	•
UNMC1-15	UNMC High School Alliance	40	11-12					•	•	•
ZA	Zoo Academy	45	11-12					•	•	•

† = See course description for additional requirements.

### 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:** An application process to be completed through the High School Guidance Office. Participation in this course is limited to one time and must be taken concurrently with at least one other course that requires increased academic rigor so that techniques learned in this course can be immediately applied outside of this course.

### 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.

### ESSENTIAL LEARNER OUTCOME (ELO) RETEACHING COURSES

5 Credits

Elective review courses may be available for students who have not met cut scores in Essential Learner Outcomes of College and Career Readiness in Reading, Mathematics or Science. Students will acquire knowledge and skills in areas of deficiency, develop reading strategies that apply to the respective discipline, and apply test-taking strategies in the respective discipline.

### 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.



**0208 MODULAR MATHEMATICS****11-12**

10 Credits

**Description:** Students will refresh basic computational, geometry, algebra, data and problem solving skills in an online modular environment. Topics include fractions, decimals, ratios, proportions, percents, operations with integers, solving linear equations, and inequalities, operations with polynomials, factoring, integer exponents, and representing various equations on a graph. Trades math specialized topics include lateral surface area, total surface area and volume of solids, significant digits, and measurement conversion.

**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. *General Studies:* MATH 0910, MATH 0930, MATH 0931, and MATH 1310 (4.5 credits) or *Trades:* MATH 0910 and MATH 1240 (4.5 credits) or *Business:* MATH 0910 and MATH 1220 (4.5 credits).

**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 schools 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/>

**ZA 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

Submit an application online. Deadline varies by year, check with your schools counseling office for deadline for the current year. Additional information can be found at [www.Omahazoo.com/ZooAcademy](http://www.Omahazoo.com/ZooAcademy)

## **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 and/or Diploma Path. 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

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	Dual Enrollment Credit	ACT Core	Horizon High School	North High School	South High School	West High School
<b>ACADEMIES AT METROPOLITAN COMMUNITY COLLEGE</b>											
0837 A/B/C/D	Auto Collision Technology - Year 1	10	11-12			M		These academies are located at a Metropolitan Community College campus.			
0837 A/B/C/D	Auto Collision Technology - Year 2	10	12			M					
0838 A/B/C/D	Automotive Technology - Year 1	10	11-12			M					
0838 A/B/C/D	Automotive Technology - Year 2	10	12			M					
0842 A/B/C/D	Criminal Justice	10	12			M					
0845 A/B/C/D	Diesel Technology - Year 1	10	11-12			M					
0845 A/B/C/D	Diesel Technology - Year 2	10	12			M					
0843 A/B/C/D	Electrical Technology - Year 1	10	11-12			M					
0843 A/B/C/D	Electrical Technology - Year 2	10	12			M					
0854 A/B/C/D	Digital Cinema/Filmmaking	10	11-12			M					
0858 A/B/C/D	Emergency Medical Technician	10	12			M		Application is open to all Millard students.			
0868 A/B/C/D	Fire Science Technology - Year 1	10	11-12			M					
0869 A/B/C/D	Fire Science Technology - Year 2	10	11-12			M					
0870 A/B/C/D	Pre-Apprenticeship Plumbing	10	11-12			M					
0835 A/B/C/D	Theatre Technology Apprenticeship - Year 1	20	11-12			M					
0835 A/B/C/D	Theatre Technology Apprenticeship - Year 2	20	12			M					
0871 A/B/C/D	Utility Line Technician	10	11-12			M					
0852 A/B/C/D	Welding I - Year 1	10	11-12			M					
0853 A/B/C/D	Welding Technology - Year 2	10	12			M					

M = Metropolitan Community College

These academies are available to all Millard high school students and are located at a Metropolitan Community College campus. Course descriptions for the MCC Academies can be found online at <https://www.mccneb.edu/Academics/Programs-of-Study.aspx>

### METROPOLITAN COMMUNITY COLLEGE ACADEMIES

#### 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 one half the MCC full time student rate

## METROPOLITAN COMMUNITY COLLEGE COURSES

**0837 AUTO COLLISION TECHNOLOGY - Year 1** **11-12** 10 Credits  
**0837 AUTO COLLISION 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 Center of Metropolitan Community College and participate in a paid internship program. The student will complete the following courses:

AUTB 1200	Non-Structural Repair I	AUTB 1040	Auto Collision Repair Welding
AUTB 2300	Automotive Refinishing	AUTB 1100	Structural Repair I
AUTB 1210	Non-Structural Repair II	AUTB 2310	Automotive Refinishing II
AUTB 1220	Non-Structural Repair III		

Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

**Prerequisites:** Approved application and interview. Contact your counselor for more information.

**0838 AUTOMOTIVE TECHNOLOGY - Year 1** **11-12** 10 Credits  
**0838 AUTOMOTIVE TECHNOLOGY - Year 2** **12** 10 Credits

**Description:** This two-year program is provided through agreement with Metropolitan Community College. Students will attend classes at the South Omaha Campus of Metropolitan Community College. Over the two years, students will complete the following courses:

AUTT 0900	Automotive Fundamentals	AUTT 2310	Suspension Systems
AUTT 1310	Power Train Repair I	AUTT 1210	Auto Electricity and Electronics I
AUTT 1220	Auto Electricity and Electronics II	AUTT 1230	Automotive Electricity & Electronics III
AUTT 1510	Brake Repair I	AUTT 1320	Power Train Repair II
AUTT 1330	Power Train Repair III	AUTT 1620	Heating and Air Conditioning I
AUTT 1520	Brake Repair II	AUTT 1710	Engine Mechanical Service
AUTT 1010	Introduction to Auto Service & Minor Repair		

Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

**Prerequisites:** Approved application and interview. Contact your counselor for more information.

**0842 CRIMINAL JUSTICE** **12** 10 Credits

**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the Sarpy Center Campus. Students will complete the following courses:

CRIM 1010	Introduction to Criminal Justice	CRIM 2300	Community Relations
CRIM 2030	Police and Society	CRIM 1030	Courts and the Judicial Process
CRIM 1020	Introduction to Corrections	CRIM 2120	Community Based Corrections

Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

**Prerequisites:** Approved application and interview. Contact your counselor for information.

**0845 DIESEL TECHNOLOGY - Year 1** **11-12** 10 Credits  
**0845 DIESEL 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 Center of Metropolitan Community College and participate in a paid internship program. The student will complete the following courses:

DESL 0900	Basics of Diesel Mechanics <i>This course is required to be taken the summer before.</i>		
DESL 1000	Diesel Preventative Maintenance	DESL 1230	Diesel Engine Fundamentals
DESL 2100	Heavy Duty Drivetrain	DESL 2150	Truck ABS and Brakes
DESL 1210	Electricity and Electronics	DESL 1620	Climate Control/Heating and Air Conditioning

Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

**Prerequisites:** Approved application and interview. Contact your counselor for more information.

**0854 DIGITAL CINEMA/FILMMAKING** **11-12** 10 Credits

**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the Elkhorn Valley Campus. Students will complete the following courses:

PHOT 1500	Moving Image Lab	VACA 1110	Intro to Scriptwriting
VACA 1130	Video I - Studio	VACA 2900	Art in Film
VACA 2130	Video II - Field		

Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

**Prerequisites:** Approved application and interview. Contact your counselor for information.

**0843 ELECTRICAL TECHNOLOGY - Year 1** **11-12** 10 Credits

**0843 ELECTRICAL 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. Students will complete the following courses:

ELTR 1200	Basic Electricity	CNST 1020	Blueprint Reading
ELTR 2240	National Electrical Code	ELTR 1210	Residential Wiring I
ELTR 1220	Commercial Wiring	ELTR 2250	Commercial Wiring II
EMSP 1010	Heartsaver First Aid with CPR and AED	CNST 1110	Construction Safety
ELTR 1250	Electric Service and Installation		

Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

**Prerequisites:** Approved application and interview. Contact your counselor for information.

**0858 EMERGENCY MEDICAL TECHNICIAN** **12** 10 Credits

**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the South Omaha Campus. Students will complete the following courses:

EMSP 1000	Cardiopulmonary Resuscitation	EMSP 1012	Community Emergency Response Team
EMSP 1100	Emergency Medical Technician	HIMS 1120	Medical Terminology I
HIMS 1130	Medical Terminology II	WORK 1400	Employability Skills

Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

**Prerequisites:** Approved application and interview. Contact your counselor for information.

**0868 FIRE SCIENCE TECHNOLOGY - Year 1** **11-12** 10 Credits

**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the Applied Technology Campus. Students will complete the following courses:

FIST 1020	Fire Behavior & Combustion	FIST 1000	Principles of Emergency Services
FIST 1070	Fire Protection Systems	FIST 2020	Fire Prevention, Inspection & Codes
FIST 2040	Principles of Fire & Emergency Services	FIST 1060	Occupational Safety & Health for Emergency Services
	Safety & Survival		

Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

**Prerequisites:** Approved application and interview. Contact your counselor for information.

**0869 FIRE SCIENCE TECHNOLOGY - Year 2** **11-12** 10 Credits

**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the Applied Technology Campus. Students will complete the following courses:

FIST 1050	Building Construction for Fire Protection	FIST 2000	Incident Command System
FIST 2010	Fire Investigation I	FIST 2030	Legal Aspects of Emergency Services
FIST 2070	Hazardous Materials Operations	FIST 2900	Selected Topics in Fire Science

Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

**Prerequisites:** Approved application and interview. Contact your counselor for information.

**0870 PRE-APPRENTICESHIP PLUMBING** **11-12** 10 Credits

**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the Fort Omaha Campus. Students will complete the following courses:

PLBG 1010	Introduction to Plumbing	PLBG 1020	Basic Residential Plumbing
PLBG 1030	Basic Commercial Plumbing	CNST 1110	Construction Safety
EMSP 1010	Heartsaver First Aid with CPR and AED		

Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

**Prerequisites:** Approved application and interview. Contact your counselor for information.

**0835 THEATRE TECHNOLOGY APPRENTICESHIP PROGRAM - Year 1** **11-12** 20 Credits

**0835 THEATRE TECHNOLOGY APPRENTICESHIP PROGRAM - Year 2** **12** 20 Credits

**Description:** This program is provided through a collaborative agreement with the Omaha Community Playhouse and Metropolitan Community College. Students will attend classes at the Omaha Community Playhouse. Students will complete the following courses:

THEA 1110	Theatre Technology I	THEA 1120	Theatre Technology II
THEA 2981, 2982, 2983	Cooperative Study	THEA 1130	Theatre Technology III
THEA 2160	Principles of Stage Lighting	THEA 2120	Theatre History II
THEA 2150	Stage Rigging	THEA 2984, 2985, 2986	Cooperative Study

Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

**Prerequisites:** Approved application and interview. Contact your counselor for more information.

**0871 UTILITY LINE TECHNICIAN****11-12**

10 Credits

**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the Applied Technology Campus. Students will complete the following courses:

UTIL 1020	Electricity	UTIL 1030	Ropes, Rigging, and Safety
UTIL 1240	Underground Distribution 1	UTIL 2020	Transformer Theory
UTIL 2240	Underground Distribution 2		

Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

**Prerequisites:** Approved application and interview. Contact your counselor for information.

**0852 WELDING AND FABRICATION TECHNOLOGY - Year 1****11-12**

10 Credits

**Description:** This program is provided through agreement with Metropolitan Community College. Students will attend classes at the Fort Omaha Campus. Students will complete the following courses:

WELD 1100	Industrial Cutting Processes	WELD 1300	Oxy Fuel Welding
WELD 1910	Special Topics in Welding-SkillsUSA Training I	WELD 1400	Gas Tungsten Arc Welding (GTAW)-Steel I
WELD 1200	Gas Metal Arc Welding (MIG)-Steel I	WELD 2240	Flux-cored Arc Welding

Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

**Prerequisites:** Approved application and interview. Contact your counselor for information.

**0853 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. Students will complete the following courses:

WELD 2241	Flux-cored Arc Welding II	WELD 1020	Print Reading & Layout for Welders II
WELD 2220	GMAW (MIG) Stainless	WELD 2230	GMAW (MIG) Aluminum
DRAF 110b	AutoCAD Fundamentals II	WELD 1700	Introductory Fabrication
WELD 2910	Special Topics in Welding-SkillsUSA Training II		

Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

**Prerequisites:** Approved application and interview. Contact your counselor for 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 credit courses.
7. Pursue a diploma path.

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

### ADVANCED PLACEMENT<sup>®</sup>

The Advanced Placement<sup>®</sup> program is an endeavor among secondary schools, colleges, and universities. AP courses provide students with the opportunity to take college-level courses in a high school setting. Based on performance on AP examinations, students may earn college credit, advanced placement at college or university, or both. This provides students the opportunity to reduce college tuition and graduate from college earlier. Research indicates that students who take an AP course and exam perform better in college than students who have not, even if only a 1 or 2 is earned (5 being the highest score).



Millard Public Schools began building an Advanced Placement<sup>®</sup> culture during the 2005-2006 school year as a result of the 2004 District Strategic Plan. As the district moved into the next phase of creating an AP culture, we highly encouraged all students to take at least one AP course and exam during their high school experience. In an effort to eliminate a potential financial barrier for students, the MPS Foundation continues their commitment to support the AP culture by contributing to AP exam fees not funded through UNO Dual Enrollment course registration. We thank the MPS Foundation and their donors for supporting this worthwhile endeavor as our students continue to strive toward completing the most rigorous courses during their high school years.

## PERSONAL LEARNING PLAN RUBRIC

As part of the Millard Public Schools Graduation Requirements, each student must complete the following parts of his/her Personal Learning Plan (PLP). The PLP will be completed using the *Naviance Family Connection* web site. Student progress will be monitored and recorded in Naviance by a school representative, such as an advisor, counselor, assistant principal or principal.

Students and parents may access *Naviance Succeed* from the link on each high school web page. The following table identifies tasks to be accomplished at each grade level.

PLP Tasks	Description	9th Grade	10th Grade	11th Grade	12th Grade
S.M.A.R.T. Goals	Specific, Measurable, Attainable, Results-Oriented, Timebound	X	X	X	X
Resumé	Record of accomplishments and activities, updated when changes occur and at least annually	X	X	X	X
My Game Plan	Post-secondary and/or college goals	X	X	X	X
Four Year Course Plan	Tool to determine sequence of courses to assist in college and career preparation through rigorous high school courses	X	X	X	X
Career Interest Profiler	Inventory to identify personal career preferences	X			
Learning Styles Inventory	Inventory to identify personal learning style preferences	X			
College and Career Readiness Measure	Assessment to measure College and Career Readiness Measure	X	X		
Do What You Are Inventory	Inventory to identify personality traits		X		
Pre-ACT™ <i>Academic Results and World of Work</i>	Academic assessment to identify areas of academic need and serves as a predictor of performance on the ACT®		X		
Counselor Interview	Individual interview to confirm post-secondary plans				X
Annual Reflection	Prompts the student to reflect on activities that prepare for post-secondary plans	X	X	X	X

Each Personal Learning Plan must meet the following minimum quality guidelines:

Task	Quality
S.M.A.R.T. Goals	Each goal reflects all five aspects of a S.M.A.R.T. Goal; Specific, Measurable, Attainable, Results-Oriented, Timebound.
Resumé	Answers for each aspect of the personal resumé are in complete sentences or detailed phrases. All information is included. If a student did not participate in an activity, he/she indicates "Did not Participate."
Reflections	Answers are in complete sentences or detailed phrases. All questions are answered. "None" is not an acceptable answer. Details are encouraged.

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

## MPS DIPLOMA PATHS OVERVIEW

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 (Everyday 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 Spec. Area; 2.0 Overall	3.5 in Spec. 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** (Journalism, Visual Arts, Performing Arts, and Information Technology); **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; Engineering; Manufacturing; Power, Energy and Mechanized Systems; Electrical; Diesel; Automotive; Fire Science; Pre-Apprenticeship Plumbing; Utility Line; and Business & Logistics Management).

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 web site.

Courses offered are subject to availability.

## SPECIALTY DIPLOMA PATH

The Specialty Diploma Path is for students who plan to specialize in the following career fields:

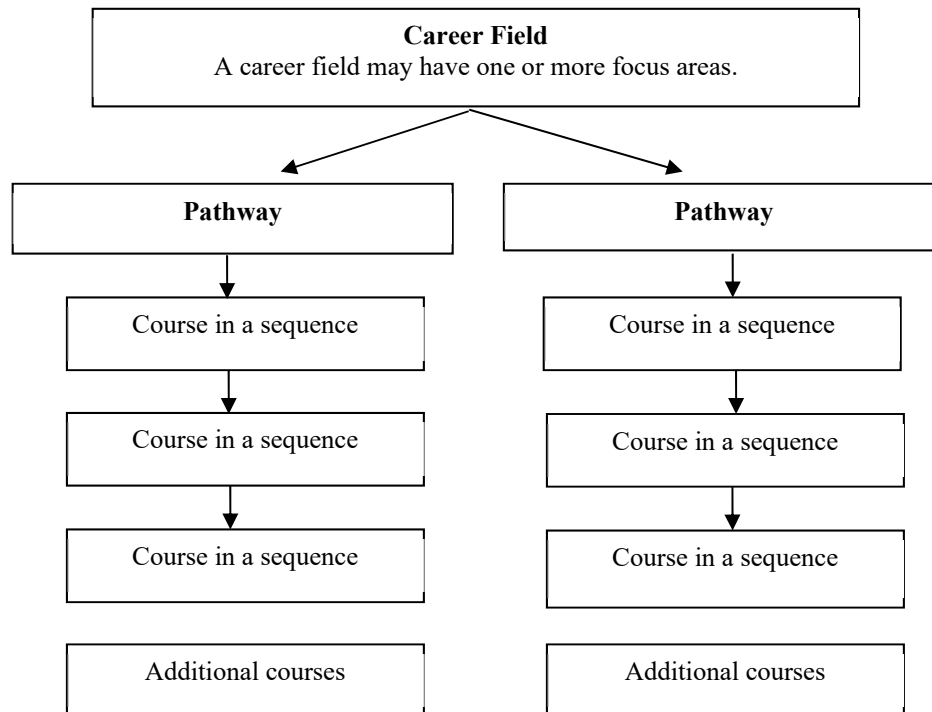
Business, Marketing, and Management  
Communication and Information Systems: Arts, AV Technology, and Communication  
Health Sciences  
Human Sciences and Education  
Skilled and Technical Sciences

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.

The diagram below illustrates the organizational structure of a career field. Each career field is represented in this way on the tables on the following pages. Please refer to the curriculum handbook for course descriptions and an explanation of Metropolitan Community College academies.



Refer to Diploma Path Overview, page 131

**Courses offered are subject to availability.**

## BUSINESS, MARKETING AND MANAGEMENT SPECIALTY DIPLOMA

### 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.

BUSINESS MANAGEMENT AND ADMINISTRATION PATHWAY	FINANCE PATHWAY	MARKETING PATHWAY
Introduction to Business, Marketing and Management (5) Management and Leadership (5) Management and Leadership Internship (10) Business Law (5) International Business (5) IB Business Management SL/HL I (10) IB Business Management SL/HL II (10) Millard Public Schools Business and Entrepreneurship Career Academy	Accounting I (5) Accounting II (5) Accounting III (5) Managerial Accounting (5) AP Macroeconomics (5) AP Microeconomics (5)	Merchandise Marketing (5) Sports and Entertainment Marketing (5) Marketing (10) Advanced Marketing (10) Marketing Internship (10)

Refer to Diploma Path Overview, page 131

**Courses offered are subject to availability.**

# COMMUNICATION AND INFORMATION SYSTEMS SPECIALTY DIPLOMA

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)  <i>*Courses taken must exceed the English Elective and Oral Communications graduation requirements.</i>  <b>To complete the requirement for 30 or 50 credits students may take any of the courses above or the following:</b> Creative Writing (5)* Forensics: Competitive Speech (10)* Media Analysis (5)*		
PERFORMING ARTS		
Vocal Music	Instrumental Music	Drama
Voce, Cantori, Singers - 4 semesters  <b>Distinguished Diploma:</b> Music Theory (5) AP Music Theory (5), Music Consumer (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 Connections (5) or classes from the Instrumental Music Sequence or Choral Performance Music courses to complete 50 credits	Wind Ensemble – 6 semesters, <b>Or</b> Philharmonic Orchestra – 6 semesters (30)  <b>Or</b> Marching Band, <b>Or</b> Concert Band, <b>Or</b> Symphonic Band – 6 semesters (30)  <b>Distinguished Diploma:</b> Music Theory (5) AP Music Theory (5), Music Consumer (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 Consumer (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

Refer to Diploma Path Overview, page 131

**Courses offered are subject to availability.**

# COMMUNICATION AND INFORMATION SYSTEMS SPECIALTY DIPLOMA

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		
VISUAL ARTS		ORAL COMMUNICATIONS
Art Foundations (5) Drawing (5) Advanced Drawing (5) <div style="text-align: center;"><b>Or</b></div> Art Foundations (5) Drawing (5) Painting (5) <div style="text-align: center;"><b>Or</b></div> Art Foundations (5) Pottery and Sculpture (5) Advanced Pottery and Sculpture (5) <div style="text-align: center;"><b>Or</b></div> Introduction to IB Visual Arts (10) IB Visual Arts SL (10) IB Visual Arts HL I (10)		Speech (5) Forensics: Competitive Speech (repeatable) Debate (5) Competitive Debate (repeatable)  <i><b>*Courses taken must exceed the Oral Communications graduation requirement.</b></i>
<b>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:</b>  Color and Design (5) Art History: Art Through the Ages (5) Commercial Graphic Design (5) Advanced Studio Art (10) IB Visual Arts HL II (10)		
INFORMATION TECHNOLOGY PATHWAY		
COMPUTER APPLICATIONS	PROGRAMMING AND SOFTWARE DEVELOPMENT	DIGITAL COMMUNICATIONS (Millard South Only)
Information Technology Applications (5) Digital Design (5) STARS (10) STARS Internship (10)	Computer Science Programming (5) AP Computer Science A (10) Computer Science Principles (5) AP Computer Science Principles (10) IB Computer Science HL I (10) IB Computer Science HL II (10) STARS (10) STARS Internship (10)	Digital Media (5) Web Design (5) Visual Graphics (5) Advanced Visual Graphics (5) STARS (10) STARS Internship (10)

Refer to Diploma Path Overview, page 131

**Courses offered are subject to availability.**

## HEALTH SCIENCES SPECIALTY DIPLOMA

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.

THERAPEUTIC SERVICES	DIAGNOSTIC & RESEARCH SERVICES
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:  Advanced 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

Refer to Diploma Path Overview, page 131

**Courses offered are subject to availability.**



# HUMAN SCIENCES AND EDUCATION SPECIALTY DIPLOMA

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 Parenting (Adult Living) 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 Parenting (Adult Living) 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.

HUMAN SCIENCES		
Foods & Nutrition	Housing & Textile Design	Human Development & Family
Introduction to Food & Nutrition (5) Culinary Skills (5) Advanced Culinary Skills (5)	Interior Design (5) Textile & Clothing Design (5) Creative Design (5)	Child Development (5) Adult Life and Parenting (5)
To complete the requirement for 30 or 50 credits, students may take any of the courses above not previously completed.		
EDUCATION & TRAINING		LAW, PUBLIC SAFETY & SECURITY
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 Parenting (Adult Living) (5)

To earn a distinguished diploma, the student will need to complete all courses listed above.

Refer to Diploma Path Overview, page 131

**Courses offered are subject to availability.**

# INDUSTRIAL, MANUFACTURING, AND ENGINEERING SYSTEMS SPECIALTY DIPLOMA

## 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) Academy fulfills the sequence requirement.

BUSINESS & LOGISTICS MANAGEMENT	CONSTRUCTION PATHWAY	ENGINEERING PATHWAY
Millard Public Schools Business and Logistics Management Career Academy	Introduction to Carpentry (5) Carpentry (5) Advanced Finish Carpentry (5)	Introduction to Engineering Design I (5) Introduction to Engineering Design II (5) Principles of Engineering I (5) Principles of Engineering II (5) Digital Electronics I (5) Digital Electronics II (5) Civil Engineering and Architecture I (5) Civil Engineering and Architecture II (5) Engineering Design and Development I (5) Engineering Design and Development II (5)
MANUFACTURING PATHWAY		POWER, ENERGY AND MECHANIZED SYSTEMS PATHWAY
Welding	Metals	
Introduction to Metalworking (5) Welding I (5) Welding II: Welding Applications (5) <b>Or</b> MCC Welding Technology Year I Academy <b>Or</b> MCC Welding Technology Year II Academy	Introduction to Metalworking (5) Machining Processes (5) Automated Manufacturing Technology I (10) Automated Manufacturing Technology II (10)	

To complete 30 or 50 credits, students may take any of the above courses not already taken or any of the following:

- Consumer Maintenance (5)
- Computer-Aided Drafting (5)

Refer to Diploma Path Overview, page 131

**Courses offered are subject to availability.**

## INDUSTRIAL, MANUFACTURING, AND ENGINEERING SYSTEMS SPECIALTY DIPLOMA *(continued)*

These Metropolitan Community College (MCC) Academies fulfill the sequence requirement for the Distinguished Diploma Paths:

<b>Electrical</b>	<b>Diesel</b>	<b>Automotive</b>
MCC Electrical Technology Academy	MCC Diesel Service Technology Academy	MCC Automotive Technology Year I Academy MCC Automotive Technology Year II Academy MCC Auto Collision Technology Year I Academy
<b>Fire Science</b>	<b>Plumbing</b>	<b>Utility Line</b>
MCC Fire Science Technology	MCC Pre-Apprenticeship Plumbing	MCC Utility Line Technology

Refer to Diploma Path Overview, page 131

**Courses offered are subject to availability.**

## **DUAL ENROLLMENT OPPORTUNITIES**

### **University of Nebraska-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 for 2018-2019 are \$250.00 per UNO course (2019-2020 costs to be determined).

### **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 for 2018-2019 are \$48.00 per course for courses taught independently by Millard staff or \$32.00 per MCC credit plus \$5.00 fees when taught with an MCC Instructor. (2019-2020 costs to be determined).

## 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 *2018-2019 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 page 142 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. See the breakdown of core-course requirements on page 142.
  - 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**

- **Division I and Division II** have a sliding scale for test score and core grade-point average.
- The SAT® score used for NCAA purposes includes only the critical reading and mathematics sections. The writing section of the SAT is not used.
- The ACT® score used for NCAA purposes is a **sum** of the four sections on the ACT®: English, mathematics, reading and science.
- **All SAT® and ACT® scores must be reported directly to the NCAA Eligibility Center by the testing agency.** Test scores that appear on transcripts will not be used. When registering for the SAT® or ACT®, use the Eligibility Center code of 9999 to make sure the score is reported to the Eligibility Center.

### **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 web site to make certain that courses being taken have been approved as core courses. The web site is [www.eligibilitycenter.org](http://www.eligibilitycenter.org).
- **Division I** grade-point-average requirements are based on an index that matches the combined SAT® or ACT® sum score to the core grade point average. The index scale is available through the Counseling or Activities Office or the NCAA web site. Division I GPA required to receive athletics aid and practice on or after August 1, 2016, is 2.3 (corresponding test-score requirements are listed on the index scale).
- The **Division II** core grade-point-average requirement is a minimum of 2.0.

<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 web site. 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.

1. Achieve a minimum of 16 on the ACT® or 860 on the SAT®. The ACT®/SAT® test must be taken on a national testing date. The SAT® score of 860 must be achieved on the Evidence-Based Reading and Writing and Mathematics sections of the SAT® and must be achieved on a single test.
2. Achieve a minimum overall high school grade point average of 2.000 on a 4.000 scale.
3. Graduate in the top half of his/her high school graduating class.

### **NJCAA**

The National Junior College Athletic Association requires a participant in athletics to meet the following criteria.

1. A student-athlete must be a graduate of a high school with an academic diploma or a General Education diploma.
2. Please note that current high school athletes may not try out at a NJCAA member college prior to graduating from high school unless existing State High School Activities Association regulations in the student-athlete's home state permit such tryouts to occur.

## QUICK REFERENCE TABLE OF ALL MILLARD COURSES

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>ART</b>										
0701	Art History: Art Through the Ages	5		F				•	•	•
0704	Color and Design	5		F			•	•	•	•
0705	Art Foundations	5		F			•	•	•	•
0709	Commercial Graphic Design	5			0720			•	•	•
0710	Pottery and Sculpture	5			0705		•	•	•	•
0711	Advanced Pottery and Sculpture	5			0710		•	•	•	•
0720	Drawing	5			0705		•	•	•	•
0721	Advanced Drawing	5			0720			•	•	•
0722	Painting	5			0720			•	•	•
0730 A/B	Advanced Studio Art	10			0721+			•	•	•
0706 A/B	Introduction to IB Visual Arts	10	10-11		0705			•		
0727 A/B	IB Visual Arts SL	10	11-12		0706			•		
0728 A/B	IB Visual Arts HL I	10	11		0706			•		
0729 A/B	IB Visual Arts HL II	10	12		0728			•		
<b>BUSINESS AND INFORMATION TECHNOLOGY</b>										
	<b>Business Management and Administration Pathway</b>									
0505	Introduction to Business Marketing and Management	5						•	•	•
0515	Management and Leadership	5	11-12					•	•	•
0516 A/B	Management and Leadership Internship	10	11-12		†			•	•	•
0510	Business Law	5						•	•	•
0501	International Business	5						•	•	•
0554 A/B	IB Business Management SL/HL I	10	11					•		
0555 A/B	IB Business Management SL/HL II	10	12		0554			•		
	<b>Finance Pathway</b>									
0500	Personal Finance	5		FL			•	•	•	•
0502	Accounting I	5						•	•	•
0503	Accounting II	5			0502			•	•	•
0542	Accounting III	5			0503			•	•	•
0543	Managerial Accounting	5			0542			•	•	•
0540	AP Macroeconomics	5			0204 or 0211			•	•	•
0541	AP Microeconomics	5			0204 or 0211			•	•	•
	<b>Information Technology Pathway</b>									
0560	Introduction to Technology	5						•	•	•
0561	Information Technology Applications	5					•	•	•	•
0562	Digital Design	5						•	•	•
0563	Computer Science Programming	5						•	•	•
0564	Computer Science Principles	5						•	•	•
0257 A/B	AP Computer Science A	10			0563			•	•	•
0565 A/B	AP Computer Science Principles	10			0204 or 0211			•	•	•
0266 A/B	IB Computer Science HL I	10	11		0563			•		
0267 A/B	IB Computer Science HL II	10	12		0266			•		
	<b>Marketing Pathway</b>									
0550	Merchandise Marketing	5						•	•	•
0551	Sports and Entertainment Marketing	5						•	•	•
0552 A/B	Marketing	10	11-12					•	•	•
0553 A/B	Advanced Marketing	10	11-12		0552			•	•	•
0514 A/B	Marketing Internship	10	11-12		0552 or 0553†			•	•	•
	<b>Stand-Alone Course</b>									
0504	Keyboarding and Input Technology	5						•	•	•

F = Fulfills Fine and Performing Arts Graduation Requirement

FL = Fulfills Financial Literacy Graduation Requirement

† = See course descriptions for additional requirements.

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>ENGLISH LANGUAGE LEARNER (ELL)</b>										
0989 A/B/C	ELL Basic Beginner	15			†				•	
0990 A/B/C	ELL Beginner	15			†				•	
0991 A/B	ELL Low Intermediate	10			†				•	
0992	ELL High Intermediate	5			†				•	
0993	ELL Advanced	5			†				•	
<b>FAMILY AND CONSUMER SCIENCE</b>										
0520	Interior Design	5						•	•	•
0525	Culinary Skills	5			0523 or 0534			•	•	•
0526	Healthy Living	5	9-11	H			•	•	•	•
0527	Child Development	5		HR			•	•	•	•
0528	Adult Life and Parenting	5		HR			•	•	•	•
0534	Introduction to Food and Nutrition	5						•	•	•
0535	Advanced Culinary Skills	5			0525			•	•	•
0536	Textiles and Clothing Design	5						•	•	•
0537	Creative Design	5			0520 or 0533 or 0536			•	•	•
<b>INDUSTRIAL TECHNOLOGY Skilled and Technical Sciences (STS)</b>										
	<b>Construction Pathway</b>									
0654	Introduction to Carpentry	5						•	•	•
0657	Carpentry	5			0654			•	•	•
0658	Advanced Finish Carpentry	5			0657			•	•	•
0659	Construction and Management	5			0657			•	•	•
	<b>Engineering Pathway</b>									
0662	Introduction to Engineering Design I	5						•	•	•
0663	Introduction to Engineering Design II	5			0662			•	•	•
0664	Principles of Engineering I	5			0663			•	•	•
0666	Principles of Engineering II	5			0664			•	•	•
0667	Digital Electronics I	5			0666			•	•	•
0668	Digital Electronics II	5			0667			•	•	•
0675	Civil Engineering and Architecture I	5			0663			•	•	•
0676	Civil Engineering and Architecture II	5			0675			•	•	•
0677	Engineering Design and Development I	5			0668 or 0676			•	•	•
0678	Engineering Design and Development II	5			0677			•	•	•
	<b>Manufacturing Pathway</b>									
0681	Introduction to Metalworking	5						•	•	•
0682	Machining Processes	5			0681			•	•	•
0683 A/B	Automated Manufacturing Technology I	10			0682			•	•	•
0684 A/B	Automated Manufacturing Technology II	10			0683			•	•	•
0685	Welding I	5			0681			•	•	•
0686	Welding II: Welding Applications	5			0685			•	•	•
	<b>Power, Energy and Mechanized Systems Pathway</b>									
0690	Introduction to Power, Energy, and Mechanized Systems	5						•	•	•
0691	Mechanical Systems Operations	5			0690			•	•	•
0692	Power Systems Design and Fabrication I	5			0691			•	•	•
0693	Power Systems Design and Fabrication II	5			0692			•	•	•
	<b>Stand-Alone Courses</b>									
0613	Consumer Maintenance	5						•	•	•
0614	Computer-Aided Drafting	5						•	•	•

H = Fulfills Health Education Graduation Requirement

HR = Fulfills Human Resources Graduation Requirement

† = See course descriptions for additional requirements.



Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>LANGUAGE ARTS</b>										
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			0001 or 0059	•	•	•	•	•
0060 A/B	English 10 Literacy Enrichment	10/10			†	•	•	•	•	•
0004 A/B	Honors English 10	10			0003	•		•	•	•
0007 A/B	English 11	10			0002 or 0060	•	•	•	•	•
0061 A/B	Literacy Enrichment 11	10			†		•	•	•	•
0047 A/B	AP English Language and Composition	10			0004 or 0007	•		•	•	•
0048 A/B	AP English Literature and Composition	10			0004 or 0007	•		•	•	•
0016 A/B	IB English HL I	10	11		0004	•		•		
0017 A/B	IB English HL II	10	12		0016	•		•		
<b>English Electives</b>										
0033	Creative Writing	5			0004 or 0007	•	•	•	•	•
0035	College Writing	5			0004 or 0007	•		•	•	•
0062	Literacy for Life	5			0007 or 0061		•	•	•	•
0065	Literature and Film	5			0004 or 0007	•		•	•	•
0067	Global Perspectives Through Literature	5			0004, 0007 or 0061	•		•	•	•
0068	Contemporary Literature	5			0004, 0007 or 0061	•	•	•	•	•
0069	Media Analysis	5			0004 or 0007			•	•	•
0076	Popular Genres in Literature	5			0004, 0007 or 0061		•	•	•	•
<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			0024			•	•	•
0026	Theatre Technology	5			0024 or 0039			•	•	•
0039	Theatre Appreciation	5		F				•	•	•
<b>Journalism</b>										
0064	Introduction to Journalism, Photojournalism, and Broadcast Journalism	5						•	•	•
0066 A/B	Advanced Journalism (20 credits at WHS)	10			0064†			•	•	•
0013 A/B	Yearbook (20 credits at WHS)	10			0064†			•	•	•
0077	Broadcast Journalism	5			0064			•	•	•
0073 A/B	IB Film SL	10	11-12					•		
0074 A/B	IB Film HL I	10	11					•		
0075 A/B	IB Film HL II	10	12		0074			•		

F = Fulfills Fine and Performing Arts Graduation Requirement

OC = Fulfills Oral Communications Graduation Requirement

† = See course descriptions for additional requirements.

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>MATHEMATICS</b>										
0203 A/B	Alg I: Foundations 1	10			†	•	•	•	•	•
0204 A/B	Alg I/Geo: Foundations 2	10			0203†	•	•	•	•	•
0211 A/B	Algebra I	10				•	•	•	•	•
0220 A/B	Geometry	10			0211 or 0204†	•	•	•	•	•
0221 A/B	Honors Geometry	10			0211	•		•	•	•
0234 A/B	Geo/Alg II: Foundations 3	10			0204†	•	•	•	•	•
0237 A/B	Alg II: Foundations 4	10			0234†	•	•	•	•	•
0231 A/B	Algebra II	10			0220 or 0234	•	•	•	•	•
0233 A/B	Honors Algebra II	10			0221	•		•	•	•
0244 A/B	College Algebra	10			0231	•	•	•	•	•
0238 A/B	Precalculus	10			0231	•		•	•	•
0239 A/B	Honors Precalculus	10			0233	•		•	•	•
0243 A/B	AP Statistics	10			0231	•		•	•	•
0245 A/B	IB Mathematics HL I	10	11		0239	•		•		
0246 A/B	IB Mathematics HL II	10	12		0245	•		•		
0247 A/B	IB Mathematical Studies SL	10	11-12		0231 or 0233	•		•		
0248 A/B	IB Mathematics SL	10	11-12		0239	•		•		
0249 A/B	Calculus II and Advanced Topics	10			0252	•		•	•	•
0252 A/B	AP Calculus AB	10			0238 or 0239	•		•	•	•
0253 A/B	AP Calculus BC	10			0239	•		•	•	•
0254 A/B	Calculus III/Differential Equations *	10			0253	•		*	*	*
0268 A/B	IB Mathematics Analysis & Approaches HL I	10	11		0233			•		
0269 A/B	IB Mathematics Analysis & Approaches HL II	10	12		0268			•		
0270 A/B	IB Mathematics Applications & Interpretation HL I	10	11		0233			•		
0271 A/B	IB Mathematics Applications & Interpretation HL II	10	12		0270			•		
0272 A/B	IB Mathematics Applications & Interpretation SL	10	11		0231			•		
<b>MUSIC</b>										
0732	Marching Band	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		F	0736†			•	•	•
0756 A/B	Voce	10		F				•	•	•
0757 A/B	Cantori	10		F	†			•	•	•
0758 A/B	Singers	10		F	†			•	•	•
0746	Contemporary Ensemble	5		F				•	•	
0798	Music Theory	5		F				•	•	•
0799	AP Music Theory	5			0798			•	•	•
0747	Music Connections	5		F				•	•	•
0767 A/B	IB Music SL - Band	10	11-12	F	†			•		
0769 A/B	IB Music SL - Orchestra	10	11-12	F	†			•		

F = Fulfills Fine and Performing Arts Graduation Requirement

† = See course descriptions for additional requirements.

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

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>PHYSICAL EDUCATION</b>										
0800	Sport Skills and Fitness	5		PE			•	•	•	•
0801	Cross Training I	5		PE			•	•	•	•
0802	Cross Training II	5		PE	0801		•	•	•	•
0803	Lifetime Fitness	5	11-12	PE			•	•	•	•
0805	Weight Training and Conditioning I	5	10-12	PE			•	•	•	•
0806	Weight Training and Conditioning II	5	10-12	PE	0805		•	•	•	•
0808	Introduction to Aquatics	5		PE	†			•	•	•
0809	Lifeguard Training	5	10-12	PE	†			•	•	•
0810	Aquatics	5		PE	†			•	•	•
0814	Athletic Training and Sports Injury	5						•	•	•
0815 A/B	Athletic Training and Sports Injuries Internship	10	11-12		†			•	•	•
0816	Advanced Performance	5		PE	†			•	•	•
0817	Sport Officiating	5		PE	0800 or 0803			•	•	•
<b>SCIENCE</b>										
0321 A/B	Introduction to IB Chemistry and IB Physics	10	10	C, P	0327	•		•		
0327 A/B	Biology	10	9			•	•	•	•	•
0328	Physical Science: Chemistry	5	10-11	C	0327	•	•	•	•	•
0329	Physical Science: Physics	5	10-11	P	0327	•	•	•	•	•
0333	Zoology	5			0327	•	•	•	•	•
0334 A/B	Chemistry	10		C	0211, 0327	•	•	•	•	•
0335	Astronomy	5				•	•	•	•	•
0346	Environmental Science	5			0327	•	•	•	•	•
0347 A/B	AP Environmental Science	10			0327†	•		•	•	•
0352 A/B	Physics	10	10-11	P	0231 or 0233†, 0327	•		•	•	•
0362 A/B	Human Physiology	10			0327	•		•	•	•
0370 A/B	AP Chemistry	10			0231†	•		•	•	•
0371 A/B	IB Chemistry HL I	10	11		0321†	•		•		
0372 A/B	IB Chemistry HL II	10	12		0371	•		•		
0375 A/B	IB Biology SL	10	11-12		0334	•		•		
0376 A/B	IB Biology HL I	10	11		0334	•		•		
0377 A/B	AP Biology	10			0327, 0334	•		•	•	•
0378 A/B	IB Biology HL II	10	12		0376	•		•		
0383 A/B	AP Physics 1: Algebra-Based	10	10-12	P	0231 or 0233†, 0327	•		•	•	•
0384 A/B	AP Physics 2: Algebra-Based	10			0352 or 0383†	•		•	•	•
0380 A/B	IB Physics SL	10	11-12		0321†	•		•		
0381 A/B	IB Physics HL I	10	11		0321†	•		•		
0382 A/B	IB Physics HL II	10	12		0381	•		•		

C = Fulfills Chemistry Graduation Requirement

P = Fulfills Physics Graduation Requirement

PE = Fulfills Physical Education Graduation Requirement

† = See course descriptions for additional requirements.

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>SOCIAL STUDIES</b>										
0408	World Geography	5	9			•	•	•	•	•
0414	United States Government and Economics	5	11-12			•	•	•	•	•
0415	AP United States Government and Politics	5	11-12			•		•	•	•
0458 A/B	IB Early Modern World History SL/HL I	10	11-12			•		•		
0420 A/B	World History	10	10-12			•	•	•	•	•
0424 A/B	AP World History	10	10-12			•		•	•	•
0422	World Religions	5			0408 or 0456	•		•	•	•
0425	Human Diversity	5		HR		•	•	•	•	•
0426	International Relations	5		HR		•	•	•	•	•
0430	Introduction to Behavioral Sciences	5		HR		•		•	•	•
0431	Sociology	5	11-12	HR		•	•	•	•	•
0432	Psychology	5	11-12	HR		•	•	•	•	•
0433 A/B	IB Psychology SL	10	11-12	HR		•		•		
0442	Law Studies	5	11-12			•	•	•	•	•
0449 A/B	United States History	10	11-12			•	•	•	•	•
0450 A/B	AP United States History	10	11-12			•		•	•	•
0451 A/B	AP European History	10			0408 or 0456	•		•	•	•
0453	AP Psychology	5			0432	•		•	•	•
0455 A/B	IB History of the Americas HL II	10	12		0418	•		•		
0456 A/B	AP Human Geography	10				•		•	•	•
0457	AP Comparative Government and Politics	5			0420 or 0424	•		•	•	•
<b>SPECIAL EDUCATION</b>										
0900 A/B	Fundamental English	10			†			•	•	•
0903 A/B	Essentials of English 11	10	11		†			•	•	•
0908 A/B	Fundamental Reading	10			†			•	•	•
0920 A/B	Fundamental Mathematics	10			†			•	•	•
0930 A/B	Fundamental Science	10			†			•	•	•
0932 A/B	Essentials of Biology	10	9		†			•	•	•
0933	Essentials of Human Physiology I	5	11-12		†			•	•	•
0934	Essentials of Human Physiology II	5	11-12		†			•	•	•
0935	Essentials of Environmental Science	5	10-12		†				•	•
0936	Essentials of Physical Science: Chemistry	5	10-11	C	†			•	•	•
0937	Essentials of Physical Science: Physics	5	10-11	P	†			•	•	•
0940 A/B	Fundamental Social Studies	10			†			•	•	•
0944	Essentials of United States Government & Economics	5	11-12		†			•	•	•
0946	Essentials of World Geography	5	9		†			•	•	•
0947	Essentials of Human Diversity	5		HR	†			•	•	•
0948 A/B	Essentials of World History	10	10		†			•	•	•
0949 A/B	Essentials of United States History	10	11-12		†			•	•	•
0950	Fundamental Daily Living	5	10-12	H	†			•	•	•
0951	Fundamental Independent Living	5			†			•	•	•
0952	Career Readiness Skills and Exploration	5			†			•	•	•
0953	College Readiness Skills and Exploration	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

H = Fulfills Health Education Graduation Requirement

OC = Fulfills Oral Communications Graduation Requirement

† = See course descriptions for additional requirements

FL = Fulfills Financial Literacy Graduation Requirement

HR = Fulfills Human Resources Graduation Requirement

P = Fulfills Physics Graduation Requirement

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>WORLD LANGUAGE</b>										
0112 A/B	German I	10						•	•	•
0113 A/B	German II	10			0112			•	•	•
0114 A/B	Honors German II	10			0112			•	•	•
0115 A/B	German III	10			0113			•	•	•
0116 A/B	Honors German III	10			0113 or 0114			•	•	•
0117 A/B	German IV	10			0115			•	•	•
0118 A/B	Honors German IV/German V	10			0116 or 0117			•	•	•
0119 A/B	AP German Language and Culture	10			0118			•	•	•
0120 A/B	IB German B SL	10	12		0118			•		
0132 A/B	French I	10						•	•	•
0133 A/B	French II	10			0132			•	•	•
0134 A/B	Honors French II	10			0132			•	•	•
0135 A/B	French III	10			0133			•	•	•
0136 A/B	Honors French III	10			0133 or 0134			•	•	•
0137 A/B	French IV	10			0135			•	•	•
0138 A/B	Honors French IV/French V	10			0136 or 0137			•	•	•
0139 A/B	AP French Language and Culture	10			0138			•	•	•
0140 A/B	IB French B SL	10	12		0138			•		
0152 A/B	Spanish I	10					•	•	•	•
0153 A/B	Spanish II	10			0152		•	•	•	•
0154 A/B	Honors Spanish II	10			0152			•	•	•
0155 A/B	Spanish III	10			0153			•	•	•
0156 A/B	Honors Spanish III	10			0153 or 0154			•	•	•
0157 A/B	Spanish IV	10			0155			•	•	•
0158 A/B	Honors Spanish IV/Spanish V	10			0156 or 0157			•	•	•
0159 A/B	AP Spanish Language and Culture	10			0158			•	•	•
0160 A/B	IB Spanish B SL	10	12		0158			•		
0171 A/B	IB Spanish A2 HL A	10	12					•		
0161 A/B	IB Latin SL	10	12		0164			•		
0162 A/B	Latin I	10						•		
0163 A/B	Latin II	10			0162			•		
0164 A/B	Latin III	10			0163			•		
0172 A/B	AP Latin	10			0164			•		

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Dual Enrollment Credit	
<b>ACADEMIES IN MILLARD HIGH SCHOOLS</b>								
	<b>Business and Entrepreneurship Academy</b>				Application			
0007 A/B	English 11	10	11			•	M	This academy is located at Millard South High School.  Application is open to all Millard students.
AEN01 A/B	College Accounting I	10	11				M	
AEN05	Wealth Building and Personal Finance	5	11	FL			M	
AEN10	Introduction to Business	5	11				O	
AEN20	Introduction to Entrepreneurship	5	11				M	
AEN25	Legal Issues for the Entrepreneur	5	11				M	
AEN30	Entrepreneurship Feasibility Study	5	12				M	
AEN15	College Accounting II	5	12				M	
AEN40	Marketing for the Entrepreneur	5	12				M	
AEN45 A/B	Entrepreneurship Internship	10	12				M	
0540	AP Macroeconomics	5	12		0211		O	
0541	AP Microeconomics	5	12		0211		O	
AEN55	Principles of Management	5	12				M	
	<b>Business and Logistics Management</b>				Application			
0007 A/B	English 11	10	11			•		This academy is located at Millard North High School.  Application is open to all Millard students.
ATD10	Introduction to Business	5	11				M	
ATD01	Intro. Transportation, Distribution & Logistics	5	11				M	
ATD05	Industrial Safety and Health	5	11				M	
ATD15	Introduction to Distribution	5	11				M	
ATD20	Principles of Marketing	5	11				M	
ATD25	Principles of Management	5	11				M	
ATD30	Mechanical Print Reading	5	12				M	
ATD35	Business Logistics	5	12				M	
ATD40	Purchasing and Material Management	5	12				M	
ATD50	Production & Operations Management	5	12				M	
ATD55 A/B	Business and Logistics Management Internship	10	12					
ATD60	College Composition and Research	5	12	EE	0004 or 0007	•		
ATD65	Radio Frequency Identification	5	12				M	

EE = English Elective

FL = Fulfills Financial Literacy Graduation Requirement

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Dual Enrollment Credit	
<b>ACADEMIES IN MILLARD HIGH SCHOOLS</b>								
	<b>Education Academy</b>				Application			
0007 A/B	English 11	10	11			•	M	This academy is located at Millard West High School.  Application is open to all Millard students.
0527	Child Development	5	11	HR			M	
AED02	Preschool Child Development	5	11				M	
AED35	Professional Speaking	5	11	OC		•	M	
AED10	Introduction to Professional Education	5	11				O	
AED15	Education Seminar I	5	11					
0422	World Religions	5	11		0408 or 0456		O	
AED20	Behavior Modifications and Principles of Learning	5	12				M	
0453	AP Psychology	5	12		0432	•	O	
AED25	Introduction to Communication Disorders	5	12				O	
AED30	Best Practices in Education	5	12					
AED05	College Composition and Research	5	12	EE	0004 or 0007	•	M	
AED40	Education Seminar II	5	12					
AED45	Education Seminar III	5	12					
AED50	Education Practicum	5	12					
	<b>Health Sciences Academy</b>				Application			
AHS01	Human Anatomy and Physiology	10	11	SE		•	M	This academy is located at Keith Lutz Horizon High School.  Application is open to all Millard students.
AHS05	Medical Terminology I	5	11				M	
AHS10	Medical Terminology II	5	11				M	
AHS15	Health Sciences Orientation Seminar	5	11				M	
AHS20	Introduction to Medical Law and Ethics	5	11				M	
AHS25	Nutrition in the Life Cycle	5	11				M	
AHS30	Disease Processes	5	11	SE		•	M	
0432	Psychology	5	12	HR				
0453	AP Psychology	5	12		0432	•		
AHS35	Long Term Care/Certified Nursing Assistant	10	12				M	
AHS40	Genetics	5	12	SE		•	M	
AHS45	Emergency Medical Technician-Basic	10	12				M	
AHS50	Health Sciences Internship	10	12					
0035	College Writing	5	12		0004 or 0007			

EE = English Elective

HR = Fulfills Human Resources Graduation Requirement

OC = Fulfills Oral Communications Graduation Requirement

SE = Science Elective

M = Metropolitan Community College

O = University of Nebraska at Omaha

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>ADVANCED PLACEMENT<sup>®</sup></b>										
0047 A/B	AP English Language and Composition	10			0004 or 0007	•		•	•	•
0048 A/B	AP English Literature and Composition	10			0004 or 0007	•		•	•	•
0119 A/B	AP German Language and Culture	10			0118			•	•	•
0139 A/B	AP French Language and Culture	10			0137			•	•	•
0159 A/B	AP Spanish Language and Culture	10			0158			•	•	•
0172 A/B	AP Latin	10			0164			•		
0243 A/B	AP Statistics	10			0231	•		•	•	•
0252 A/B	AP Calculus AB	10			0238, 0239	•		•	•	•
0253 A/B	AP Calculus BC	10			0239	•		•	•	•
0257A/B	AP Computer Science A	10	10-12		0563			•	•	•
0565 A/B	AP Computer Science Principles	10			0204 or 0211			•	•	•
0347 A/B	AP Environmental Science	10			0327 †	•		•	•	•
0370 A/B	AP Chemistry	10			0231 +	•		•	•	•
0377 A/B	AP Biology	10			0327, 0334	•		•	•	•
0383 A/B	AP Physics 1: Algebra-Based	10	10-12	P	0231 or 0233+, 0327	•		•	•	•
0384 A/B	AP Physics 2: Algebra-Based	10			0352, 0383+	•		•	•	•
0415	AP United States Government and Politics	5	11-12			•		•	•	•
0424 A/B	AP World History	10	10-12			•		•	•	•
0450 A/B	AP United States History	10	11-12			•		•	•	•
0451 A/B	AP European History	10			0408 or 0456	•		•	•	•
0453	AP Psychology	5			0432	•		•	•	•
0456 A/B	AP Human Geography	10			0412 +	•		•	•	•
0457	AP Comparative Government and Politics	5			0420 or 0424	•		•	•	•
0540	AP Macroeconomics	5			0211			•	•	•
0541	AP Microeconomics	5			0211			•	•	•
0799	AP Music Theory	5			0798			•	•	•

P = Fulfills Physics Graduation Requirement

† = See course descriptions for additional requirements.



Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	
<b>AIR FORCE JUNIOR RESERVE OFFICER TRAINING CORPS (AFJROTC)</b>							
	Cadet Year 1						The AFJROTC is located at Millard South High School.
AS100	A Journey into Aviation History	5					
LE100	Citizenship, Character and Air Force Tradition	5		PE			
AS220	Cultural Studies: An Intro to Global Awareness	5		WG			
	Cadet Year 2						Within District transfer is required to participate.
AS200	The Science of Flight: A Gateway to New Horizons	5		SE			
LE200	Communication, Awareness and Leadership	5					
	Cadet Year 3						
AS300	Exploring Space: The High Frontier	5					
LE300	Life Skills and Career Opportunities	5		FL			
	Cadet Year 4						
AS400	Management of the Cadet Corps	5	11-12				
LE400	Principles of Management	5					

FL = Fulfills Financial Literacy Graduation Requirement

PE = Fulfills Physical Education Graduation Requirement

SE = Science Elective

WG = Fulfills World Geography Graduation Requirement

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Dual Enrollment	Credit
<b>EARLY COLLEGE</b>								
	<b>9th Grade</b>	Application						
0327 A/B	Biology	10	9			•		M
0456 A/B	AP Human Geography	10			†	•		
0561	Information Technology Applications	5						M
PD80	Academic Seminar	5						M
0154 A/B	Honors Spanish II	10			0152			M
	<b>10th Grade</b>	Application						
0004 A/B	Honors English 10	10			0003	•		M
0334 A/B	Chemistry	10		C	0211, 0327	•		M
0420 A/B	World History or	10	10-12			•		M
0424 A/B	AP World History	10	10-12			•		M
0720	Drawing or	5			0705			M
0020	Speech	5		OC		•		M
0136 A/B	Honors French III	10			0133 or 0134			M
0156 A/B	Honors Spanish III	10			0153 or 0154			M
	<b>11th Grade</b>	Application						
0007 A/B	English 11	10			0002 or 0060	•		M
0231 A/B	Algebra II	10			0220	•		M
0243 A/B	AP Statistics	10			0231	•		M
0233 A/B	Honors Algebra II	10			0221	•		M
0383 A/B	AP Physics 1: Algebra-Based	10	10-12	P	0231 or 0233†, 0327			M
0138 A/B	Honors French IV/French V	10			0136 or 0137			M
0114 A/B	Honors German II or	10			0112			M
0158 A/B	Honors Spanish IV/Spanish V	10			0156 or 0157			M
0747	Music Connections	5		F				M
	<b>12th Grade</b>	Application						
0035	College Writing	5			0004 or 0007	•		M
0048 A/B	AP English Literature and Composition	10	12		0004 or 0007			M
0244 A/B	College Algebra or	10			0231	•		M
0238 A/B	Precalculus or	10			0231	•		M
0239 A/B	Honors Precalculus	10			0233	•		M
0252 A/B	AP Calculus AB	10			0238 or 0239	•		M
0253 A/B	AP Calculus BC	10			0239	•		M
0254 A/B	Calculus III/Differential Equations *	10			0253	•		M
0414	United States Government and Economics	5	11-12		0420 or 0424	•		M
0415	AP United States Government and Economics	5	11-12		0420 or 0424	•		M
0450 A/B	AP United States History	10	11-12		0420 or 0424			M
0453	AP Psychology	5			0432			M
0540	AP Macroeconomics	5			0204 or 0211			M
0541	AP Microeconomics	5			0204 or 0211			M
0139 A/B	AP French Language and Culture	10			0138			M
0118 A/B	Honors German IV/German V	10			0116 or 0117			M
0119 A/B	AP German Language and Culture	10			0118			M
0159 A/B	AP Spanish Language and Culture	10			0158			M

This program is located at Millard South High School.

Within District transfer is required to participate.

Application is open to all Millard students.

C = Fulfills Chemistry Graduation Requirement

M=Metropolitan Community College

F = Fulfills Fine and Performing Arts Graduation Requirement

OC = Fulfills Oral Communications Graduation Requirement

P = Fulfills Physics Graduation Requirement

† = See course descriptions for additional requirements

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

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>INFORMATION TECHNOLOGY (IT) MINI-MAGNET PROGRAM</b>										
	<b>Computer Applications</b>									
0561	Information Technology Applications	5							•	
	<b>Programming and Software Development</b>									
0563	Computer Science Programming	5							•	
0257 A/B	AP Computer Science A	10			0563				•	
0564	Computer Science Principles	5							•	
0565 A/B	AP Computer Science Principles	10			0204 or 0211				•	
	<b>Digital Communications</b>									
0562	Digital Design	5							•	
0570	Digital Media	5			0562				•	
0571	Web Design	5			0570				•	
0572	Visual Graphics	5			0571				•	
0656	Advanced Visual Graphics	5			0572				•	
0985 A/B	STARS	10	11-12		†				•	
0987 A/B	STARS Internship	10	11-12		0985†				•	

† = See course descriptions for additional requirements

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Page Number
<b>INTERNATIONAL BACCALAUREATE® MIDDLE YEARS PROGRAMME</b>							
0001 A/B	English 9	10				•	38
0002 A/B	English 10	10				•	38
0003 A/B	Honors English 9	10				•	38
0004 A/B	Honors English 10	10			0003	•	38
0021 A/B	Forensics: Competitive Speech	10		OC			39
0059 A/B	English 9 Literacy Enrichment	10					41
0060 A/B	English 10 Literacy Enrichment	10					41
0064	Introduction to Journalism, Photojournalism, and Broadcast Journalism	5					42
0077	Broadcast Journalism	5			0064		43
0203 A/B	Alg I: Foundations 1	10					45
0204 A/B	Alg I/Geo: Foundations 2	10					46
0211 A/B	Algebra I	10				•	46
0220 A/B	Geometry	10			0211	•	46
0221 A/B	Honors Geometry	10			0211	•	46
0231 A/B	Algebra II	10			0220	•	46
0233 A/B	Honors Algebra II	10			0221	•	46
0238 A/B	Precalculus	10			0231	•	47

OC = Fulfills Oral Communications Graduation Requirement

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Page Number
<b>INTERNATIONAL BACCALAUREATE® MIDDLE YEARS PROGRAMME</b>							
0112 A/B	German I	10					76
0113 A/B	German II	10			0112		76
0114 A/B	Honors German II	10			0112		76
0115 A/B	Honors German III	10			0113		76
0132 A/B	French I	10					74
0133 A/B	French II	10			0132		74
0134 A/B	Honors French II	10			0132		75
0136 A/B	Honors French III	10			0134		75
0152 A/B	Spanish I	10					77
0153 A/B	Spanish II	10			0152		77
0154 A/B	Honors Spanish II	10			0152		77
0156 A/B	Honors Spanish III	10			0154		77
0162 A/B	Latin I	10					78
0163 A/B	Latin II	10			0162		78
0561	Information Technology Applications	5					23
0562	Digital Design	5					23
0563	Computer Science Programming	5					23
0321 A/B	Introduction to IB Chemistry and IB Physics	10	10	C, P	0327	•	60
0327 A/B	Biology	10	9			•	61
0328	Physical Science: Chemistry	5	10-11	C	0327	•	61
0329	Physical Science: Physics	5	10-11	P	0327 †	•	61
0334 A/B	Chemistry	10	10-12	C	0211	•	61
0352 A/B	Physics	10	10-12	P		•	61
0383 A/B	AP Physics 1: Algebra-Based	10	10-12	P	0231 or 0233†, 0327		63
0456 A/B	AP Human Geography	10				•	67
0408	World Geography	5	9			•	65
0500	Personal Finance	5		FL			22
0662	Introduction to Engineering Design I	5					33
0663	Introduction to Engineering Design II	5			0662		33
0705	Art Foundations	5		F			17
0706 A/B	Introduction to IB Visual Arts	10	10-11	F	0705		17
0720	Drawing	5		F	0705		17
0722	Painting	5		F	0705		17
0704	Color and Design	5		F			16
0732	Marching Band	5		F			51
0733	Concert Band	5		F			51
0734	Symphonic Band	5		F			52
0735	Wind Ensemble	5		F			52
0736 A/B	Philharmonic Orchestra	10		F			52
0737 A/B	Symphony Orchestra	10		F			52
0756 A/B	Voce	10		F			52
0757 A/B	Cantori	10		F			52
0758 A/B	Singers	10		F			52
0746 A/B	Contemporary Ensemble	10		F			53
0747	Music Connections	5		F			53
0800	Sport Skills and Fitness	5					55
0801	Cross Training I	5			†		56
0808	Introduction to Aquatics	5			†		57
0810	Aquatics	5					58

C = Fulfills Chemistry Graduation Requirement

F = Fulfills Fine and Performing Arts Graduation Requirement

FL = Fulfills Financial Literacy Graduation Requirement

P = Fulfills Physics Graduation Requirement

† = See course descriptions for additional requirements.

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Page Number
<b>INTERNATIONAL BACCALAUREATE® DIPLOMA PROGRAMME</b>							
0016 A/B	IB English HL I	10	11		0003, 0004	•	39
0017 A/B	IB English HL II	10	12		0016 †	•	39
0120 A/B	IB German B SL	10	12		0118		77
0140 A/B	IB French B SL	10	12		0138		75
0160 A/B	IB Spanish B SL	10	12		0158		78
0161 A/B	IB Latin SL	10	12		0164		79
0171 A/B	IB Spanish A2 HL A	10	12		0158		78
0554 A/B	IB Business Management SL/HL I	10	11				21
0555 A/B	IB Business Management SL/HL II	10	12		0554		22
0266 A/B	IB Computer Science HL I	10	11		0563		23
0267 A/B	IB Computer Science HL II	10	12		0266		24
0245 A/B	IB Mathematics HL I	10	11		0239	•	48
0246 A/B	IB Mathematics HL II	10	12		0245	•	48
0247 A/B	IB Mathematical Studies SL	10	11-12		0231 or 0233	•	48
0248 A/B	IB Mathematics SL	10	11-12		0239	•	48
0268 A/B	IB Mathematics Analysis & Approaches HL I	10	11		0233		48
0269 A/B	IB Mathematics Analysis & Approaches HL II	10	12		0268		48
0270 A/B	IB Mathematics Applications & Interpretation HL I	10	11		0233		48
0271 A/B	IB Mathematics Applications & Interpretation HL II	10	12		0270		49
0272 A/B	IB Mathematics Applications & Interpretation SL	10	11		0231		49
0371 A/B	IB Chemistry HL I	10	11		0321	•	62
0372 A/B	IB Chemistry HL II	10	12		0371	•	62
0375 A/B	IB Biology SL	10	11-12			•	62
0376 A/B	IB Biology HL I	10	11		0334	•	62
0378 A/B	IB Biology HL II	10	12		0376	•	63
0380 A/B	IB Physics SL	10	11-12		0321 †	•	63
0381 A/B	IB Physics HL I	10	11		0321 †	•	63
0382 A/B	IB Physics HL II	10	12		0381	•	63
0458 A/B	IB Early Modern World History SL/HL I	10	11-12			•	66
0433 A/B	IB Psychology SL	10	11-12			•	67
0455 A/B	IB History of the Americas HL II	10	12		0418	•	67
0727 A/B	IB Visual Arts SL	10	11-12		0706		18
0728 A/B	IB Visual Arts HL I	10	11	F	0706		18
0729 A/B	IB Visual Arts HL II	10	12		0728		18
0767 A/B	IB Music SL Band	10	11-12	F			53
0769 A/B	IB Music SL Orchestra	10	11-12	F			53
0850	IB Theory of Knowledge I	5	11	HR			117
0851	IB Theory of Knowledge II	5	12	HR	0850		117
0073 A/B	IB Film SL	10	11-12				43
0074 A/B	IB Film HL I	10	11				43
0075 A/B	IB Film HL II	10	12		0074		43

F= Fulfills Fine and Performing Arts Graduation Requirement

HR = Fulfills Human Resources Graduation Requirement

† = See course descriptions for additional requirements.

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	Dual Enrollment Credit	ACT Core	Horizon High School	North High School	South High School	West High School
<b>ACADEMIES AT METROPOLITAN COMMUNITY COLLEGE</b>											
0837 A/B/C/D	Auto Collision Technology - Year 1	10	11-12			M		These academies are located at a Metropolitan Community College campus.			
0837 A/B/C/D	Auto Collision Technology - Year 2	10	12			M					
0838 A/B/C/D	Automotive Technology - Year 1	10	11-12			M					
0838 A/B/C/D	Automotive Technology - Year 2	10	12			M					
0842 A/B/C/D	Criminal Justice	10	12			M					
0845 A/B/C/D	Diesel Technology - Year 1	10	11-12			M					
0845 A/B/C/D	Diesel Technology - Year 2	10	12			M					
0843 A/B/C/D	Electrical Technology - Year 1	10	11-12			M					
0843 A/B/C/D	Electrical Technology - Year 2	10	12			M					
0854 A/B/C/D	Digital Cinema/Filmmaking	10	11-12			M					
0858 A/B/C/D	Emergency Medical Technician	10	12			M		Application is open to all Millard students.			
0868 A/B/C/D	Fire Science Technology - Year 1	10	11-12			M					
0869 A/B/C/D	Fire Science Technology - Year 2	10	11-12			M					
0870 A/B/C/D	Pre-Apprenticeship Plumbing	10	11-12			M					
0835 A/B/C/D	Theatre Technology Apprenticeship - Year 1	20	11-12			M					
0835 A/B/C/D	Theatre Technology Apprenticeship - Year 2	20	12			M					
0871 A/B/C/D	Utility Line Technician	10	11-12			M					
0852 A/B/C/D	Welding I - Year 1	10	11-12			M					
0853 A/B/C/D	Welding Technology - Year 2	10	12			M					

M=Metropolitan Community College

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
<b>OTHER OPPORTUNITIES</b>										
PD80	Academic Seminar	5	9-12				•	•	•	•
PD85	Academic Seminar Leadership	5	10-12				•	•	•	•
---	ELO Reteaching Courses	5					•	•	•	•
---	Independent Study Courses	5 or 10						•	•	•
---	ACT <sup>®</sup> Prep Workshop	0	9-12				•	•	•	•
0208	Modular Mathematics	10			†			•	•	•
UNMC1-15	UNMC High School Alliance	40	11-12					•	•	•
ZA	Zoo Academy	45	11-12					•	•	•

† = See course descriptions for additional requirements

MILLARD HIGH SCHOOL CREDIT COUNT  
 Classes of 2020 and Beyond

[illegible]

- ◆ Students are responsible for determining courses that will satisfy specific university/college admission requirements.
- ◆ Students may need 20 credits of the same World Language to gain entrance into most universities.
- ◆ Students must earn 230 credits, meet District Assessment criteria, and successfully complete a Personal Learning Plan (PLP) to graduate.

Total Credits Earned (Cumulative)	
9	
10	
11	
12	
(Need 230)	

Required Assessments		
	Met	Not Met
Reading		
Writing		
Mathematics		
PLP Completed		

**INTENTIONALLY LEFT BLANK**





