

# Omaha North High

## MAGNET SCHOOL



2021-22 COURSE GUIDE

# Omaha North High Magnet School

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## **Assistant Principal**

**Athletic Director**

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## **School Social Worker**

Monique Visocky

**Omaha North High Magnet School  
Course and Registration Guide  
2021-2022  
Principal's Greeting**



Welcome to the North High Viking Family. We are excited to have you join a tradition of excellence that continues with you. We invite you to explore the various course offerings and pathways to identify and develop your strengths and talents. You will experience project based in learning in our STEM courses that will broaden your perspective on future college, career, and service endeavors.

Our newly created Freshman Academy will provide intensive support with the transition to high school as well as the chance to explore our STEM Academies leading to a cohesive and strategic course of study.

Returning students will be able continue their selected pathway, cultivate new opportunities, and demonstrate their knowledge through innovative projects and experiential learning.

All students will have access to high quality core courses (including Honors, AP, & Dual Enrollment), outstanding school counseling/advising services and ongoing support to promote their academic, social, emotional, and behavioral development.

We look forward to collaborating with students, parents/guardians, and community partners to advance our mission to prepare all students for success in life-long studies and careers. We truly believe and soon you will see that North High is the #Place2be!

### **School History**

North High School opened in September 1924. North opened as an eighth through twelfth grade school and had 650 students its first year. The building's first principal was Edward E. McMillian. In 1983, North was designated a magnet school focused on math, science, and technology. In 1993, the school completed a \$20 million renovation that included the Viking Center, renovation of the library, and the addition of the multipurpose physical education and athletics facility. In the early 2000's, North shifted its magnet focus to specialize in the fields of science, engineering and technology. To complement this focus, in 2010 a new four-story 32,092-square foot addition was added. It consists of science, media technology, engineering classrooms, and labs space, as well as a wrestling practice room in the basement. With this building, North became the first school in Nebraska to be certified under the Leadership in Energy and Environmental Design (LEED) for Schools, earning a Silver certification. North has exclusive programs offered in OPS, North students can participate in a four-year Project Lead the Way (PTLW) courses in BioMedical Science, Computer Science and Engineering. Omaha North also offers a comprehensive math curriculum with multiple opportunities for college credit and advanced coursework. We also offer over 40 clubs and organizations available to all students, every Viking can find a place where they belong

### **Vision Statement**

The vision statement of Omaha North High Magnet School is to provide a quality educational opportunity for all learners in a safe, secure and well-organized learning environment, where students, staff and community are valuable and equitable members of a positive atmosphere that fosters lifelong learning skills

### **Mission Statement**

The mission of Omaha North High Magnet School is to prepare all students for success in life-long studies and careers.

**OMAHA NORTH HIGH MAGNET SCHOOL**  
**Course and Registration Guide**  
 2021-2022

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Omaha North High  
MAGNET SCHOOL

# Omaha Public Schools Graduation College Entrance Requirements

OPS GRADUATION REQUIREMENTS		COLLEGE ENTRANCE REQUIREMENTS*
SUBJECT	CREDITS	YEARS
<b>English</b>	<b>8 CREDITS</b> Grade 9 – English 1 & 2 Grade 10 – English 3 & 4 Grade 11 – English 5 & 6 Grade 12 – English 7 & 8	<b>4 years</b> Fulfilled by OPS requirements
<b>Social Studies</b>	<b>7 CREDITS</b> Grade 9 – U.S. History 1 & 2 Grade 10 – Human Geography & Intro to Economics Grade 11 – World History 1 & 2 Grade 12 – American Government	<b>3 years</b> Fulfilled by OPS requirements
<b>Mathematics</b>	<b>6 CREDITS</b> Grade 9 – Math as Recommended Grade 10 – Math as Recommended Grade 11 – Math as Recommended	<b>3 years</b> Algebra 1-2, Geometry 1-2, Algebra 3-4, UNL – One additional year of math beyond Algebra 3-4
<b>Science</b>	<b>**6 CREDITS</b> Grade 9 – Physical Science 1 & 2 Grade 10 – Biology 1 & 2 Grade 11 – Science Elective	<b>3 years</b> Fulfilled by OPS requirements UNL, UNO, UNK – 2 years must be selected from Biology, Chemistry, Physics, or Earth Science
<b>Physical Education</b>	<b>4 CREDITS</b>	
<b>Human Growth &amp; Development</b>	<b>1 CREDIT</b>	<b>N/A</b>
<b>Personal Finance</b>	<b>1 CREDIT</b> Grade 12 – Personal Finance	
<b>Electives</b>	<b>16 CREDITS</b> <i>Consider education plans and interests</i>	
<b>World Language</b>	<b>N/A</b>	<b>2–3 years</b> of the same language
<b>TOTAL</b>	<b>49 CREDITS REQUIRED</b> <i>For all OPS High Schools</i>	

### RECOMMENDED ON TRACK INDICATORS

Grade Level	9 - Freshman	10 - Sophomore	11 - Junior	12 - Senior
<b>Credits Earned</b>	13 credits	25 total credits	37 total credits	49 total credits <small>in Required subjects</small>

**Note: 49 Credits are required to graduate.**

### \*NEBRASKA COLLEGE ENTRANCE REQUIREMENTS:

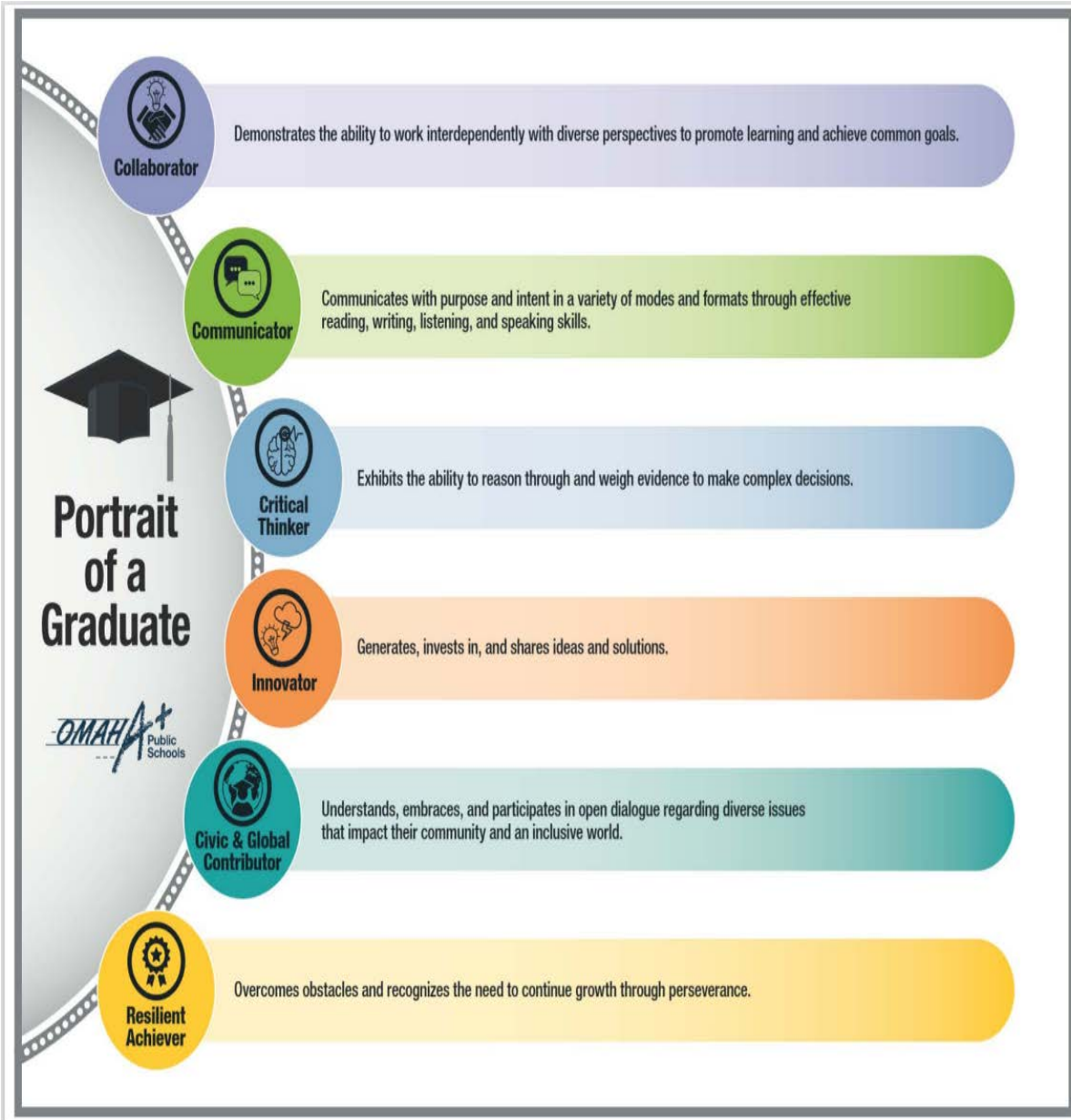
Metro Community College and other Nebraska Community Colleges – Proof of graduation from an accredited high school. Nebraska State College System – Chadron, Peru, Wayne – Proof of graduation from an accredited high school.

University of Nebraska System – UNO, UNL, UNK (in line with NCAA requirements) – *See your OPS District Student Handbook*

*Students and parents/guardians should research the requirements of each institution to ensure that students have selected appropriate courses.*

*For students attending King Science Technology Magnet who take Biology and Physical Science their sequence could look different at their respective high schools. \* For students who have successfully completed Physical Science in 8th grade, their sequence will begin with Biology.*





## GENERAL OVERVIEW

### REGISTRATION

Students register in the spring for the following year.

A student will have two opportunities to select courses:

1. Students select and finalize courses during spring registration.
2. Following spring registration, students can adjust courses based on conflicts in their schedules.

Course changes after the spring are only allowed under the following circumstances:

1. If a course was completed during summer school.
2. If a course that was failed during the previous school year.
3. If there is a schedule conflict that cannot be adjusted without dropping or changing a course.
4. If a student needs to meet graduation requirements.

**Course offerings are based on requests made. Most courses have a minimum enrollment requirement. Those courses not meeting the requirement may be cancelled. Enrollment may be capped based on staff availability.**

### GRADE LEVEL PLACEMENT

Credits are earned at the end of each semester for courses passed. Students are encouraged to adopt a program plan that includes sufficient courses to earn a minimum of 7 credits per semester. This allows the student to take maximum advantage of the learning opportunities offered by Omaha North High Magnet School. To be on track toward graduation:

Grade 10 Placement (Sophomore)	Earned at least 13 credits in grade 9
Grade 11 Placement (Junior)	Earned at least 25 credits in grades 9 and 10
Grade 12 Placement (Senior)	Earned at least 42 credits in grades 9, 10, and 11

### TYPICAL CYCLE OF CLASSES

This is just an example. Individual student schedules will vary, and this does not include elective/academy courses, special education courses, or honors classes. Math and Science classes are dependent upon the level achieved in middle school.

	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>English</b>	English 1-2	English 3-4	English 5-6	English 7-8
<b>Social Studies</b>	U.S. History 1-2	Geography Intro to Economics	Modern World History	American Government
<b>Science</b>	Physical Science 1-2	Biology 1-2	Required Science Elective	Science Elective
<b>Math</b>	Algebra 1-2	Geometry 1-2	Algebra 3-4	Pre-Calc/Trig
<b>P.E.</b>	Physical Education 1-2	Any Physical Education		
<b>Viking Time</b>	Viking Time	Viking Time	Viking Time	Viking Time
<b>Personal Finance</b>				Personal Finance

## **COURSE DROPS**

Dropping a course after the first 15 days of the semester will result in a grade of "F," which is included in grade point average calculations. Requests to drop a course will be initiated by the student or parent/guardian by the school counselor.

Procedures for withdrawing from a course:

1. Conversation with the teacher
2. Counselor conferencing with teacher and student
3. Problem-solving with all affected parties

\*The first step is to navigate through the schedule change. If it is determined that other faculty need to be include please use the "Schedule Change/Request to Drop a Course" form. Please see School Counseling for a copy of the OPS Schedule Change/Request to Drop a Course form. Use the "Schedule Change/Request to Drop Course

## **CREDIT RECOVERY GUIDELINES**

The purpose of Credit Recovery is to provide opportunities for students to earn credits to meet graduation requirements for courses they have failed. Credit Recovery involves the student retaking tefailed cours e(s) and focusing on the course content standards to demonstrate proficiency on district assessments. The focus i s on the proficiency related to course content standards, not seat time.

- Credit Recovery may be delivered in various methods and during a variety of times (e.g., Summer School, Edmentum time).
- Credit Recovery may be delivered in a traditional classroom or through a blended learning experience (in class with an endorsed teacher using online learning modules).
- Teachers who provide credit recovery through online virtual or blended learning must be certified educators endorsed for the course they are teaching.
- Although students may complete online courses before the end of the term, final grades will need to be posted during the standard grading windows
- The student should follow the appropriate course sequencing.
- Students should not be enrolled in consecutive courses simultaneously (English 1 & English 2).
- Any exception to the three courses must be identified in an individual learning plan, in an alternative program, and approved by the Chief Academic Officer for Curriculum Instruction and Support.
- Students should be enrolled in no more than three online courses at a time.
- Timely teacher content and feedback is essential for student learning.
- Review the Edmentum Credit Accrual and Recovery Practices Handbook for specific guidelines for online practices.





# What every student needs to know about grading

## OPS Grading Scale



<b>A</b>	■	<b>3.26 - 4.00</b>
<b>B</b>	■	<b>2.51 - 3.25</b>
<b>C</b>	■	<b>1.76 - 2.50</b>
<b>D</b>	■	<b>1.01 - 1.75</b>
<b>F</b>	■	<b>0.00 - 1.00</b>

How much time should I spend on homework?



You should expect ten minutes (or more) per day times your grade level.

- 3rd grade = 30 minutes
- 6th grade = 1 hour
- 12th grade = 2 hours

*Time may vary depending on classes.*

### Can I redo my work for full credit?

- Students may be allowed to redo/revise work until the end of the unit, based on teacher's professional judgement and evidence. Talk with your teacher.

### If I don't turn in my work on time, what happens?

- Work not turned in at all will be recorded in Infinite Campus (district grade book) as an M for missing which calculates to a score of zero.

### Am I allowed to turn in coursework late?

- Late coursework may be accepted for full credit until the end of the unit based on the teacher's professional judgment and evidence collected throughout the unit.
- Accepted late work will replace M with the score earned by the student.

### Are some assignments worth more than others? \*Secondary only.

- When entering grades in the grade book, teachers may assign greater weight to some major summative assignments.
- For example, the final exam may impact a student's summative grade more than a unit test.
- This information will be communicated to students prior to the day of the assessment.

How can I check my grades?



### Campus Mobile Portal for Parents and Students

Parents and students can now access their Campus Portal information on Android and iOS devices using the Campus Mobile Portal app.



- Daily Planner**  
View today's activities and assignments due for each class.
- Assignments**  
Create your assignments by teacher by specific class or due date.
- Attendance**  
Review attendance status in summary and detail form.
- Grades**  
Track your progress. Forget about end-of-term report cards to leave from your device.
- Food Services**  
Only use for users with the Food Service feature in this application. To check your student's account balance, see the SchoolCafe on the OPS Home page.

### Where to Download the Campus Mobile Portal App

The Campus Mobile Portal can be downloaded through the Apple App Store, Google Play Store or Amazon Appstore.



### How to Sign In

In order to access your device to our district's Infinite Campus server, you need to enter

Our District ID - **Omaha Public Schools**

Continue by entering your username and password you use on the web portal.

If you do not have a username and password, contact your school.

If you forget your username or password go to:

<https://campus.ops/campus/portal/ops.jsp>

# Omaha Public Schools Common Grading Practices



*How will mastery be evaluated?*



Formative: 35%

Summative: 65%

**STANDARDS** are what you should know and be able to do.

**GRADING** measures how well students master key concepts (or standards).



*What is a rubric?*

It explains what an Advanced, Proficient, or Basic level of mastery is needed for a specific assignment, test, or project.

## Formative Assessments - during learning

- Lets your teacher know how well you are learning the standards
- 35 percent of your grade
- Work done in class, e.g., homework assignments, short quizzes, or any essay
- Can happen in class or outside of class

## Summative Assessments - at the end of learning

- Lets your teacher know how well you have mastered the standards
- 65 percent of your grade
- Major projects, a unit test, a research paper, a speech, etc.
- Can happen in class or outside of class.

If I work with a group on a project, do we all get the same grade?

No. Work done in groups will be graded individually. Group grades are never used.

*How do I earn grades on an assessment?*

Teachers assess multiple levels of learning K - 12. Secondary teachers create leveled formative and summative assessments.

**(Advanced, Proficient, Basic)**

**ADVANCED** is when you did all the work and exceed what you're supposed to do.

⇒ You have performed consistently at a high level of difficulty, complexity, or fluency that is above the expected course content/grade level standard.

**PROFICIENT** is when you did what you are supposed to do.

⇒ You have performed at the level of difficulty, complexity, or fluency that is at the expected course content/grade level standard.

**BASIC** is when you understand the content information and vocabulary.

⇒ You have performed at the level of difficulty on some of the expected course content/grade level standards, but not all.







## AP/Dual Enrollment Program

### What is Dual Enrollment?

Dual Enrollment provides high school students the opportunity to take college-credit bearing courses taught by college-approved high school teachers in the student's home high school building. The term 'Dual Enrollment' means a program offered by a partnership between at least one institution of higher education and at least one local educational agency through which a secondary school student who has not graduated from high school with a regular high school diploma is able to enroll in one or more postsecondary courses and earn postsecondary credit that—

- (A) is transferable to the institutions of higher education in the partnership; &
- (B) applies toward completion of a degree or recognized educational credential as described in the Higher Education Act.

Students gain exposure to the academic challenges of college while in their supportive high school environment, earning transcribed college credit at the time they successfully pass the course. Essentially, dual enrollment prepares students for success in college and careers by increasing access to higher education, lowering the cost of college, and shortening student time to earning a degree or certification.

Dual Enrollment is currently offered in OPS through two primary programs:

- 1) **Advanced Placement (AP)**
- 2) **Career Education (CE)**.

### Dual Enrollment Benefits.

**Reduced Tuition Cost.** Participating students have a reduced tuition rate or may qualify for FREE tuition through a scholarship program authorized by the Nebraska State Legislature.

**MCC: \$50 per course.**

**UNO: \$250 per course.**

**Midland U: \$250 per course**

\*Tuition Costs are determined by the postsecondary institution.

The Omaha Public Schools District provides the textbook and all course materials necessary for completion of the dual enrollment course. Tuition payment is the responsibility of the student. If a student qualifies for federal needs-based programs, they may be eligible for FREE tuition. The ACE scholarship program pays mandatory tuition fees for qualified high schools students to enroll in dual enrollment courses. The basic criteria for high school students to qualify for the ACE scholarship is their eligibility status to receive assistance under a variety of federal programs, most notably the free and reduced lunch program. Students must work with a building official or counselor to complete the online ACE application. More information on ACE can be found at <http://ccpe.state.ne.us/publicdoc/ccpe/Financial%20Aid/ACE/>

**Credits Transfer.** Students begin creating an official college transcript with participation in a dual enrollment course. College institutions determine the transferability of credit, but typically credits transfer as follows:

**AP Courses:** transfer as general education requirements in either humanities, social sciences, natural sciences, or mathematics to 4-year/2-year institutions

**CE courses:** transfer as required credits at the issuing institution towards an associate's degree or certification, or to a similar 2-year institution with like programming, or may transfer as elective credits at 4-year institutions.

Students should request transcripts from any college he/she has earned dual enrollment credit with and provide them to the college/university during the admission process. It is the student's responsibility to disclose any college credit earned during high school, whether from an AP or CE dual enrollment course, to their college advisor.

## AP & Dual Enrolled Courses

Course Title	Dual Enrollment Institution and Credit Hours
AP 3D Art & Design	
AP Biology	UNO-3 credits
AP Calculus AB	UNO-5 credits
AP Calculus BC	UNO-10 credits
AP Chemistry	Midland-3 credits +1 lab credit
AP Comparative Government & Politics (one semester)	UNO-3 credits
AP Computer Science A	UNO-3 credits
AP Computer Science Principles	UNO-3 credits
AP English Language & Composition	MCC-4.5 credits
AP English Literature & Composition	UNO-6 credits
AP Environmental Science	UNO-3 credits
AP Human Geography	
AP Music Theory	
AP Physics 1	
AP Physics 2	
AP Psychology	
AP Statistics	UNO-3 credits
AP United States Government & Politics (one semester)	UNO-3 credits
AP United States History	
AP World History: Modern	
Honors Cybersecurity	UNO-3 credits
Honors Calculus III	UNO-3 credits
Honors Differential Equations	UNO-3 credits
Honors Intro to Education	UNO-3 credits
Honors Technical Communication	MCC-9 credits
Machine Tool I	MCC-9 credits
Machine Tool II	MCC-9 credits
Machine Tool III	MCC-9 credits
Machine Tool IV	MCC-9 credits
CNC I	MCC-9 credits
CNC II	MCC-9 credits
Print Reading	MCC-3 credits
Precision Machine Safety/Principles	MCC-4 credits + OSHA Certification
AutoCAD Essentials	MCC-9 credits

## COURSE PLACEMENT APPEALS

All Secondary Omaha Public Schools offer procedures for appealing course placement (i.e. AP Honors, IB, etc.) Each building may have specific forms and deadlines, however, the following general procedures shall apply:

**Level One:** Counselor, Curriculum Specialist, Data Assistant Principal, and or Principal.

A student or parent with a course placement appeal may first discuss the matter with the counselor, curriculum specialist or building administrator involved, with the object of resolving the matter informally.

**Level Two:** Chief Academic Officer Curriculum and Instruction and Support

If the course placement appeal is not resolved at Level One and the individual still wishes to pursue the appeal, he/she may formalize the appeal in writing addressed to the Chief Academic Officer Curriculum and Instruction and Support at 3215 Cuming Street, Omaha, NE 68131.

**Level Three:** Superintendent

If the appeal is not resolved at Level Two and the individual still wishes to pursue the appeal, he/she may formalize the appeal to the superintendent of schools after receiving a written response from the Chief Academic Officer Curriculum and Instruction and Support.

These steps shall be taken in a timely manner so as to accommodate the registration of courses for the school year in question.

**Grade Point Average (GPA)** is computed by dividing total grade points earned by credits attempted. All graded courses are included in this computation. Pluses and minuses are not calculated in GPA. To determine grade points, courses are weighted as follows:

<u>Grade</u>	<u>Honors &amp; AP Courses</u>	<u>All Other Courses</u>	
A	5	4	
B	4	3	Points earned for a full credit
C	3	2	(Half credit courses divided by 2)
D	2	1	
F	0	0	

Class Rank is determined by cumulative or total GPA. The student with the highest GPA in the class is ranked 1<sup>st</sup>, the second highest is ranked 2<sup>nd</sup> and so on. Final rank is based on grades earned in grades 9-12.

## HONOR ROLL

### Eligibility:

- maintain a 3.0 minimum GPA,
- be enrolled in 4 or more courses, and
- not receive an "F" in any current semester course.

### Honor Roll Levels:

- Viking High Honor (4.0 or higher)
- Viking Medallion (3.50 to 3.99)
- Viking Achievement (3.00 to 3.49)

## EARLY GRADUATION

### Eligibility:

- Only students in their third year of high school may apply for early graduation.
- Only students who have earned a minimum of 33 credits by January of their junior year are eligible to apply for January graduation in their senior year.
- Students needing summer school or any credit recovery following the application submission deadline are not eligible.

### Application Process:

- Parent/guardian must conference with their student's assigned counselor prior to applying for early graduation.
- Students must submit the completed application during the annual spring registration process. The deadline to submit is the last day prior to Spring Break.
- A conference will be held with the student's assigned counselor, building principal, and data administrator to review recommendation. The principal has final approval, and a counselor will verify that all OPS requirements have been completed.

### Points to Consider:

- Early graduates will not be considered for senior class honors, National Honor Society, or any scholarships awarded by the High School Scholarship Committee.
- Seniors planning to attend a four-year university remove themselves from convenient access and support with the scholarship application process.
- Most colleges prefer that high school students complete the entire senior year to take advantage of rigorous high school course work that prepares them for a successful transition to college.
- Students involved in athletics, activities, and advanced course work in areas of interest are advised to complete their last year in those programs.
- There is no commencement ceremony in January. Parents need to indicate whether or not their students will participate in May ceremonies to receive diploma.

## SHORTENED DAY

### Eligibility and Procedures:

- 12TH GRADE STATUS ONLY
- No failing grade in a core class (English, social studies, math or science) the previous semester.
- An overall 2.00 GPA.
- Limited to a maximum of 1 block daily.
- Counselor will give student a request card that must be signed by a parent or guardian.
- Exceptions to the stated policy will be granted only by the student's administrator.
- Students who fail to leave the building and/or grounds after their early release will face disciplinary action.

Students should consider the opportunities, both in the classroom and in co-curricular activities, which are missed by opting for a shortened day.



## CO-CURRICULAR ACTIVITIES

Co-Curricular activities are an important part of your educational experience. Participate in the activities, clubs, and/or sports that are of interest to you. Co-Curricular activities that are available at North High Magnet School include the following:

### Clubs/Activities

Academy of Finance  
#Adulting  
African-American History Challenge  
Art Club/NAEA  
Bands of North  
Black Student Leadership  
Cheerleading/Dance  
Chess Club  
Clay Club  
Culture Club  
DECA  
Drama Club & Int'l Thespian Society  
Educators Rising  
French Club  
Future Business Leaders of America (FBLA)

German-American Exchange  
Gay-Straight Alliance  
Golden Vikings Dance Team  
Health Occupation Students of America (HOSA)  
International Robotics Honor Society (IRHS)  
JROTC Color Guard  
Junior Class/Prom  
Just Friends  
Louder Than a Bomb Poetry Club  
Mathematics (Mu Alpha Theta)  
National Honor Society  
National Society of Black Engineers  
Newspaper/Yearbook  
Omaha North Vocal Music  
Outdoor Club

Plants Club  
Potato Club  
Principal's Student Advisory  
Robotics  
Role Playing Club  
Science Club  
Science Olympiad  
Science Quiz Bowl  
Senior Class  
SkillsUSA  
So You Want To Be a Millionaire  
Spanish Club  
Speech & Debate  
Student Ambassadors  
Student Council  
Student STEM Advisors  
TEAMS

\*Clubs are subject to change each year

### Athletics

Baseball  
Basketball  
Bowling  
Cross Country  
Football  
Golf  
Soccer  
Softball  
Swimming  
Tennis  
Track/Field  
Volleyball  
Wrestling



# ONE OPPORTUNITY. LIMITLESS POSSIBILITIES.

If you want to play sports at an NCAA Division I or II school, start by registering for a Certification Account with the NCAA Eligibility Center at [eligibilitycenter.org](http://eligibilitycenter.org). If you want to play Division III sports or you aren't sure where you want to compete, start by creating a Profile Page at [eligibilitycenter.org](http://eligibilitycenter.org).

## ACADEMIC REQUIREMENTS

To play sports at a Division I or II school, you must graduate from high school, complete 16 NCAA-approved core courses, earn a minimum GPA and earn an ACT or SAT score that matches your core-course GPA.

## CORE COURSES

Only courses that appear on your high school's list of NCAA core courses will count toward the 16 core-course requirement; visit [eligibilitycenter.org/courselist](http://eligibilitycenter.org/courselist) for a full list of your high school's approved core courses. Complete 16 core courses in the following areas:

### DIVISION I

Complete 10 NCAA core courses, including seven in English, math or natural/physical science, before your seventh semester.

<b>ENGLISH</b>	<b>MATH</b> (Algebra I or higher)	<b>NATURAL/ PHYSICAL SCIENCE</b> (Including one year of lab, if offered)	<b>ADDITIONAL</b> (English, math or natural/physical science)	<b>SOCIAL SCIENCE</b>	<b>ADDITIONAL COURSES</b> (Any area listed to the left, foreign language or comparative religion/philosophy)
4 years	3 years	2 years	1 year	2 years	4 years

### DIVISION II

<b>ENGLISH</b>	<b>MATH</b> (Algebra I or higher)	<b>NATURAL/ PHYSICAL SCIENCE</b> (Including one year of lab, if offered)	<b>ADDITIONAL</b> (English, math or natural/physical science)	<b>SOCIAL SCIENCE</b>	<b>ADDITIONAL COURSES</b> (Any area listed to the left, foreign language or comparative religion/philosophy)
3 years	2 years	2 years	3 years	2 years	4 years

## GRADE-POINT AVERAGE

The NCAA Eligibility Center calculates your grade-point average based only on the grades you earn in NCAA-approved core courses.

- DI requires a minimum 2.3 GPA.
- DII requires a minimum 2.2 GPA.

## SLIDING SCALE

Divisions I and II use sliding scales to match test scores and GPAs to determine eligibility. The sliding scale balances your test score with your GPA. If you have a low test score, you need a higher GPA to be eligible. Find more information about test scores at [ncaa.org/test-scores](http://ncaa.org/test-scores).

## TEST SCORES

You may take the SAT or ACT an unlimited number of times before you enroll full time in college. Every time you register for the SAT or ACT, use the NCAA Eligibility Center code 9999 to send your scores directly to us from the testing agency. We accept official scores only from the ACT or SAT, and won't use scores shown on your high school transcript. If you take either test more than once, the best subscore from different tests are used to give you the best possible score.



# HIGH SCHOOL TIMELINE

## 9<sup>TH</sup> GRADE



- Start planning now! Take the right courses and earn the best grades possible.

- Find your high school's list of NCAA-approved core courses at [eligibilitycenter.org/courselist](http://eligibilitycenter.org/courselist).
- Sign up for a free Profile Page at [eligibilitycenter.org](http://eligibilitycenter.org) for information on NCAA requirements.

## 10<sup>TH</sup> GRADE

REGISTER



- If you fall behind academically, ask your counselor for help finding approved courses you can take.

- Register for a Profile Page or Certification Account with the NCAA Eligibility Center at [eligibilitycenter.org](http://eligibilitycenter.org).
- Monitor your Eligibility Center account for next steps.
- At the end of the year, ask your counselor at each high school or program you attended to upload your official transcript to your NCAA Eligibility Center account.

## 11<sup>TH</sup> GRADE



- Check with your counselor to make sure you are on track to complete the required number of NCAA-approved courses and graduate on time with your class.

- Take the ACT or SAT and submit your scores to the NCAA Eligibility Center using code 9999.
- Ensure your sports participation information is correct in your Eligibility Center account.
- At the end of the year, ask your counselor at each high school or program you attended to upload your official transcript to your NCAA Eligibility Center account.

## 12<sup>TH</sup> GRADE



- Complete your final NCAA-approved core courses as you prepare for graduation.

- Take the ACT or SAT again, if necessary, and submit your scores to the NCAA Eligibility Center using code 9999.
- Request your final amateurism certification beginning April 1 (fall enrollees) or Oct. 1 (winter/spring enrollees) in your NCAA Eligibility Center account at [eligibilitycenter.org](http://eligibilitycenter.org).
- After you graduate, ask your counselor to upload your final official transcript with proof of graduation to your NCAA Eligibility Center account.
- *Reminder:* Only students on an NCAA Division I or II school's institutional request list will receive a certification.

How to plan your high school courses to meet the 16 core-course requirement:

$$4 \times 4 = 16$$

### 9<sup>TH</sup> GRADE

- (1) English
- (1) Math
- (1) Science
- (1) Social Science and/or additional

4 CORE COURSES

### 10<sup>TH</sup> GRADE

- (1) English
- (1) Math
- (1) Science
- (1) Social Science and/or additional

4 CORE COURSES

### 11<sup>TH</sup> GRADE

- (1) English
- (1) Math
- (1) Science
- (1) Social Science and/or additional

4 CORE COURSES

### 12<sup>TH</sup> GRADE

- (1) English
- (1) Math
- (1) Science
- (1) Social Science and/or additional

4 CORE COURSES

For more information: [ncaa.org/playcollegesports](http://ncaa.org/playcollegesports) | [eligibilitycenter.org](http://eligibilitycenter.org)

Search Frequently Asked Questions: [ncaa.org/studentfaq](http://ncaa.org/studentfaq)

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## Freshman Academy

The freshman academy structure is designed to ensure academic success for all freshmen by implementing learning activities that are relevant, rigorous, embed literacy, recognize cultural diversity, prepare students for college and career readiness, and build leadership skills in all curricular areas.

Academy Courses					
	English	Science	Math	Social Studies	Elective
Required Freshman Courses	English 1-2 (H)	Physical Science (H) OR Biology (H)	Algebra 1-2 (H) OR Geometry 1-2 (H)	US History (H) OR AP US History	Freshman Seminar
Optional Exploratory Electives	Art, Vocal Music, Instrumental Music, World Languages, JROTC, Journalism, Physical Education, Omaha History, African American History, Sociology, or any first-year career academy pathway course				

### Suggested Activities:

#Adulthood, African American History Challenge, Athletics, Art Club, Black Student Leadership Council, Cheerleading, Chess Club, Clay Club, Culture Club, French Club, Plays and Musicals, Potato Club, Principal's Advisory, Robotics, Role-Playing Club, Skills USA, Science Club, Science Olympiad, Student STEM Advisors, Student Council



## Computer Science and Technology Academy

Pathways: PLTW Computer Science, Cybersecurity and Coding, Computer Networking, and Audio Video Production

Grade	Required Academy Courses				Suggested Academy Electives
	PLTW Computer Science Pathway	Cybersecurity and Coding Pathway	Computer Networking Pathway	Audio Video Production Pathway	
9	Freshman Seminar AND Computer Science Essentials OR AP Computer Science Principles	Freshman Seminar	Freshman Seminar	Freshman Seminar	Digital Electronics Journalism Yearbook Chemistry (H) Physics 1-2 (H) AP Physics 1 AP Environmental Science
10	AP Computer Science Principles OR AP Computer Science A	Cybersecurity 1-2	IT Essentials	Digital Media AND Audio/Video Foundations	Sociology Psychology African American History Omaha History
11	AP Computer Science A OR H. Cybersecurity	One or more: Operational Cybersecurity, Software and App Security, or Web Security	Cisco 1-2	Audio/Video Productions 1-2	Foreign Language Performing and Fine Arts
12	H. Cybersecurity OR H. Career Academy Capstone	One or more: Operational Cybersecurity, Software and App Security, or Web Security	Cisco 3-4	Audio/Video Productions 3-4	Other Computer Science and Technology Academy Courses

Career and Technical Student Organizations  
SkillsUSA

Work-Based Learning Experience  
Round Tables, Job Shadowing, Internships, Industry Tours, Guest Speakers, Industry Interviews

Industry Certifications  
CCNA

Available Advanced Placement and Dual Credit Opportunities  
AP Language and Composition, H. Technical Communication, AP US History, AP Human Geography, AP World History, AP Government, AP Calculus, AP Statistics, H. Calculus 3/Differential Equations, H. Personal Finance, AP Physics, AP Chemistry, AP Computer Science courses, H. Cybersecurity





# Engineering and Design Academy

Pathways: PLTW Engineering, Precision Machining, Drafting and Design, and Robotics and Automation

Grade	Required Academy Courses				Suggested Academy Electives
	PLTW Engineering Pathway	Precision Machining Pathway	Drafting and Design Pathway	Robotics and Automation Pathway	
9	Freshman Seminar AND Introduction to Engineering	Freshman Seminar AND CAD/Design 1-2	Freshman Seminar	Computer Science Essential	Journalism Speech and Debate
10	Introduction to Engineering OR H. Principles of Engineering	Machine Tool 1-2 AND Principles of Machining/ Blueprint Reading	CAD/Design 1-2	Intro to Robotics 1-2	Chemistry (H) Physics 1-2 (H) AP Physics 1 AP Environmental Science
11	One or More: H. Civil Engineering and Architecture; H. Digital Electronics; H. Computer Integrated Manufacturing	Machine Tool 3-4	CAD/Design 3-4	Robotics Concepts 3-4	Sociology Psychology African American History Omaha History Foreign Language Performing and Fine Arts
12	H. Engineering Design and Development	CNC AND Manufacturing 1-2	CAD/Design 5-6	Advanced Robotics Concepts 5-6	Other Engineering and Design Academy Pathway Courses

**Career and Technical Student Organizations:**

SkillsUSA, SAME, ACE

**Work-Based Learning Experience**

Round Tables, Job Shadowing, Internships, Industry Tours, Guest Speakers, Industry Interviews

**Industry Certifications**

OSHA, Autocad Certification, FANUC

**Available Advanced Placement and Dual Credit Opportunities**

AP Language and Composition, H. Technical Communication, AP US History, AP Human Geography, AP World History, AP Government, AP Calculus, AP Statistics, H. Calculus 3/Differential Equations, H. Personal Finance, AP Physics, AP Chemistry, Precision Machining Pathway Courses



# Science and Research Academy

Pathways: PLTW Biomedical, Forensic Science, Natural Sciences, and Teaching as a Profession

Grade	Required Academy Courses				Suggested Academy Electives
	PLTW Biomedical Pathway	Health Informatics Pathway	Natural Sciences Pathway	Teaching as a Profession	
9	Freshman Seminar AND H. Principles of Bioscience	Freshman Seminar	Freshman Seminar	Freshman Seminar	Foreign Language Performing/Fine Arts
10	H. Human Body Systems AND Medical Terminology	H. Principles of Bioscience AND Medical Terminology	H Environmental Science 1-2	Lifespan Development AND Principles of Education and Training	
11	PLTW Pathway	Medical Research Pathway			Chemistry (H) Physics (H) Anatomy and Physiology (H), AP Chemistry AP Physics AP Biology
	H. Medical Interventions AND AP Chemistry	H. Science Seminar AND AP Chemistry	H. Medical Interventions AND AP Biology	Ecology AND Plants and Propogation	
12	H. Biomedical Innovations AND UNMC The Study of Patient Care	H. Biomedical Innovations	Environmental Sustainability OR Civil Engineering and Architectural Design	Education Practicum/ Internship 1-2	Sociology Psychology African American History  CAD AP Statistics CSE H. Digital Media Other Academy Electives

### Career and Technical Student Organizations

EdRising, HOSA,

### Work-Based Learning Experience

Internships, job shadowing, college and career fair with speakers, college field trip with pathway, Pre-ACT, ACT, career exploration, digital portfolio, interest inventory

### Industry Certifications

CPR/First Aid, OSHA, CNA, EMT

### Available Advanced Placement and Dual Credit Opportunities

AP Language and Composition, H. Technical Communication, AP US History, AP Human Geography, AP World History, AP Government, AP Calculus, AP Statistics, H. Calculus 3/Differential Equations, H. Personal Finance, AP Sciences



# MCC Career Academies



## Dual Credit

Students may earn college credit and high school elective credit by completing an MCC Career Academy.

**Who?** Students eligible for this program must fit the following profile:

- Be a high school junior or senior and be on track to graduate
- 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)

**Cost?** Students are responsible for paying tuition. MCC Career Academies are offered at half price tuition.

\*Funding for tuition may be available for certain academy programs pending donor contributions.

**Time of MCC Career Academies classes:** Most academies meet between 12:30 - 4:00pm, Monday-Thursday.

OPS Juniors and Seniors participating in the MCC Career Academy programs will be given “release time” to attend the classes during the school day. OPS students will follow the MCC schedule and code of conduct. When MCC classes are not in session (Friday’s) during an OPS school day, students will be released from high school at the time they would normally leave campus. Students may use this release time for part-time employment, volunteer service, or other opportunities. If MCC has classes scheduled when OPS is not in school, students are expected to attend those classes.

**Application:** Students must complete an application. Deadlines do apply and space is LIMITED. Admission is not guaranteed. Notify Secondary Partnerships Supervisor, Mrs. Jane Luethge @ 531-299-3892 or [jane.luethge@ops.org](mailto:jane.luethge@ops.org) when you have completed applications or for additional information.

## Available MCC Career Academies

Course	Description	Tuition Cost
<u>Diesel Technology</u>	Located at the MCC Applied Technology Center at 10407 State Street. Students learn the components of the diesel engine, the fundamentals of transmissions and torque converters, and an overview of diesel engine technology.	\$814.00
<u>Fire Science Technology</u>	Located at the MCC Applied Technology Center at 10407 State Street. Students learn about fire, firefighting, and EMT training.	\$980.50
<u>Heating, Air Conditioning and Refrigeration (HVAC)</u>	Located at MCC Fort Omaha Campus at 30 <sup>th</sup> and Fort. Students learn heating, air conditioning, ventilation, and refrigeration.	\$740.00
<u>Pre-Apprenticeship Plumbing</u>	Located at MCC Fort Omaha Campus at 30 <sup>th</sup> and Fort. Students learn about residential and commercial plumbing, construction plumbing safety and more.	\$684.50
<u>Utility Line Technician</u>	Located at the MCC Applied Technology Center at 10407 State Street. Students learn installation, operation, and maintenance of electrical utility lines.	\$888.00

**\*\*additional career academies may be available if approved by Omaha Public Schools.**

**MCC Webpage** <https://www.mccneb.edu/Current-Students/Enrollment/Secondary-Partnerships/Career-Academy.aspx>

# ART

## ART 1-2

110211/110212

This course offers beginning art students a foundation in basic drawing skills, design elements and principles, and color theory as they create original art works in a variety of media. 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. Students will be examining important works of art from a variety of cultures and time periods, participating in critiques of art works, and discussing aesthetic issues.

**Prerequisite:** None

**Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

## ART 3-4

110251/110252

This course offers an expansion of skills and knowledge of drawing and design concepts, and further exploration of techniques and media, including watercolor and/or acrylic painting. Students will explore aesthetic issues, examine and discuss historically important art works from a variety of cultures, using the language of art criticism. 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.

**Prerequisite:** Successful completion of Art 1-2 with a C or better or teacher permission.

**Grade Level:** 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

## ART 5-6

110291/110292

This course offers serious art students the opportunity to apply the elements and principles of design to advanced projects in a variety of media (i.e.: various techniques of printmaking, painting, and/or sculpture). 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. Students will engage in art criticism and aesthetic discussion as they explore various time periods and cultures from an art historical perspective. Students will keep a drawing and reflection sketchbook.

**Prerequisite:** Successful completion of Art 3-4 with a C or better or teacher permission.

**Grade Level:** 11, 12      **Status:** Elective      **Duration:** 2 semesters

## HONORS ART 7-8

110341/110342

This course is a culmination of a sequential art experience for twelfth grade students. It provides selected students the opportunity to individualize projects to enhance their own styles in one or more media, while further exploring the philosophical and historical aspects of art. Honors requirements are: attend formal exhibits and submit exhibit review and critiques; write an in-depth research papers; complete written abstracts about artists and their work; refine individual work exhibition and/or competition each semester; complete a comprehensive portfolio of their work; and keep a drawing and reflection sketchbook.

**Prerequisite:** Successful completion of Art 5-6 with a C or better or teacher permission.

**Grade Level:** 12      **Status:** Elective      **Duration:** 2 semesters

## POTTERY 1-2

110461/110462

This course explores hand-built pottery and wheel thrown techniques in terms of form, function and cultural expression. A background in drawing, design and color is recommended. 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. Students will learn about pottery produced by artisans from various cultures and times, and use the critical process to evaluate their own work, as well as examples taken from art history.

**Prerequisite:** None

**Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

### **POTTERY 3-4**

**110471/110472**

This course will enable students to further develop hand building and wheel throwing skills, while they continue to study the development of pottery styles and techniques through history and in various cultures. Aesthetic issues related to form and function, the inherent expressive qualities of clay, and identifying good craftsmanship will be an ongoing part of the study. In addition to art production, students will use a variety of learning strategies including reading, analyzing and responding to develop a deeper understanding of ceramic art.

*Prerequisite:* Successful completion of Pottery 1-2 with a C or better or teacher permission.

**Grade Level:** 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

### **POTTERY 5-6**

**110681/110682**

This course is an advanced, individualized course providing selected students an opportunity to individualize projects, enhancing their style in the medium while further exploring the philosophical and historical aspects of clay art. Focus is on creating a series of clay pieces on a chosen theme, researching ceramic history or artists, keeping a pottery journal/sketchbook, becoming current with contemporary ceramic artists and style, participating in workshops and mixing glazes.

*Prerequisite:* Successful completion of Pottery 3-4 with a C or better or teacher permission.

**Grade Level:** 11, 12      **Status:** Elective      **Duration:** 2 semesters

### **HONORS POTTERY 7-8**

**110861/110862**

This course is an advanced individualized course providing selected students an opportunity to individualize projects, enhancing their personal style and voice in the medium while further exploring the philosophical and historical aspect of clay art. Focus is on developing projects for each student based on her/his preferred building methods, skill levels and chosen themes. Students will complete research, keeping a pottery journal/sketchbook, becoming current with contemporary ceramic artists and styles, and mix glazes. Clay building methods will include: slab, coil, wheel throwing and the incorporation of mixed media.

*Prerequisite:* Successful completion of Pottery 5-6 with a C or better or teacher permission.

**Grade Level:** 12      **Status:** Elective      **Duration:** 2 semesters

### **AP STUDIO ART 3-D**

**110851/110852**

The AP 3D Art and Design course framework presents an inquiry-based approach to learning about and making art and design. Students are expected to conduct an in-depth, sustained investigation of materials, processes and ideas. The framework focuses on concepts and skills emphasized within college art and design foundations courses with the same intent: to help students become inquisitive, thoughtful artists and designers able to articulate information about their work. AP 3D Art and Design students develop and apply skills of inquiry and investigation, practice, experimentation, revision, communication and reflection. Students can work with any materials, processes and ideas that involve space and form. Figurative or nonfigurative sculpture, architectural models, metal work, ceramics, glasswork, installation, performance, assemblage, and 3-D fabric/fiber arts are among the possibilities. The AP 3D Art and Design Portfolio exams contain two sections. The Selected Works section requires students to demonstrate skillful synthesis of materials, processes and ideas. The Sustained Investigation section requires students to conduct a sustained investigation bases on questions, through practice, experimentation and revision. Both sections of the portfolio require students to articulate information about their work. **A summer project will be required for this class.**

*Prerequisite:* Successful completion of two years of upper level art courses with a B or better or teacher permission.

**Grade Level:** 11, 12      **Status:** Elective      **Duration:** 2 semesters

### **ART HISTORY**

**111031/111032**

This course is designed to expand student knowledge and understanding of world history by analyzing art and artifacts of the past. Students investigate the many roles of the visual arts and artists throughout historical, political and other social contexts. They will learn the formal visual elements that art uses as means to communicate in order to describe, analyze, interpret and evaluate art. This is a non-production art class. This is the first semester of a yearlong course.

*Prerequisite:* None

**Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

**ART APPRECIATION****110481**

This course surveys art from prehistory through contemporary times. Its focus includes various non-Western cultures as well as art of Western cultures. Emphasis is on developing understanding of art in its historical and cultural contexts and identifying universal themes and purposes for creating. Art production may be integrated into the course on occasion, but not central to it. Students will also learn to distinguish between personal preferences and informed evaluation when examining art works; utilize art vocabulary and apply the critical process.

**Prerequisite:** *None*

**Grade Level:** *9, 10, 11, 12*

**Status:** *Elective*

**Duration:** *1 semester*



# BUSINESS, MARKETING AND FINANCE

## PERSONAL FINANCE

120981

The goal of personal finance is to help students become financially responsible, conscientious members of society. This course develops student understanding and skills in money management; budgeting; financial goal attainment; use of credit; insurance; investments; and consumer rights and responsibilities. Application of academic concepts, technology, and career/college planning are integrated throughout the curriculum.

*Prerequisite:* None

*Grade Level:* 12

*Status:* Meets requirement

*Duration:* 1 semester

## HONORS PERSONAL FINANCE

120971

This is an honors-level course in Personal Finance. The goal of personal finance is to help students become financially responsible, conscientious members of society. This course develops student understanding and skills in money management; budgeting; financial goal attainment; use of credit; insurance; investments; and consumer rights and responsibilities. Application of academic concepts, technology, and career planning are integrated throughout the curriculum.

*Prerequisite:* None

*Grade Level:* 12

*Status:* Meets requirement

*Duration:* 1 semester

## ACCOUNTING 1-2

120171/120172

This two-semester course covers sole proprietorship accounting principles involved in the preparation and maintenance of financial records concerned with business management and operations. It is a comprehensive introduction to basic accounting including recording, summarizing and reporting, principles of income measurement and asset valuation, and accounting systems and controls. Students are exposed to careers in the accounting field and are given the opportunity to perform accounting applications using the computer. An introduction to partnerships and corporations may be included.

*Prerequisite:* None

*Grade Level:* 9, 10, 11, 12

*Status:* Elective

*Duration:* 2 semesters

## BUSINESS/CONSUMER LAW

120391

A course designed to present the study of the legal rights and responsibilities necessary to be informed and productive citizens. Key concepts include contracts and torts, the role of courts, litigation, and constitutional issues including civil and criminal law.

*Prerequisite:* None

*Grade Level:* 10, 11, 12

*Status:* Elective

*Duration:* 1 semester

## INTRODUCTION TO DIGITAL DESIGN

130601/130602

This course will introduce students to the technical tools and processes used in digital design. Students will be introduced to the design process model which includes typography, color, and imagery. In addition, design software will be utilized to create graphic, animation, web pages, and video. Students will demonstrate proper use of fair use guidelines and will explore career opportunities.

*Prerequisite:* None

*Grade Level:* 10, 11, 12

*Status:* Elective

*Duration:* 2 semesters

## ENTREPRENEURSHIP 1

120401

Entrepreneurship is a course designed for students with a career interest in entrepreneurship. Emphasis is placed on the evaluation of the business skills and commitment necessary to successfully operate an entrepreneurial venture and review the challenges and rewards of entrepreneurship. The role of entrepreneurial businesses in the United States and the impact on the national and global economy will be explored. Instructional strategies may include the development of a business plan, operation of school-based business, or actual creation of a student-run business.

*Prerequisite:* None

*Grade Level:* 11, 12

*Status:* Elective

*Duration:* 1 semester

## MARKETING 1-2

120471/120472

## HONORS MARKETING 1-2

120501/120502

Students will explore the basic functions of marketing: pricing, promotion, product planning, and place/distribution: the marketing mix. The curriculum provides the foundational skills and knowledge in economics, communications skills/interpersonal skills, professional career development, business, management, and entrepreneurship. Application of academic concepts and technology are integrated throughout the curriculum. **Students are encouraged to join the student organization DECA.**

*Prerequisite:* None

*Grade Level:* 9, 10, 11, 12

*Status:* Elective

*Duration:* 2 semesters

## HONORS MARKETING 3-4

120511/120512

This course will emphasize entrepreneurial development and responsive marketing strategies that meet customer needs. The course focuses on marketing concepts and the role of marketing in the organization and society. Topics include market segmentation, product development, promotion, distribution, and pricing. Additional topics include external environment, economics, politics, government, marketing research, international marketing, cultural diversity, ethics, technology, and careers in marketing. Capstone activities include development of a marketing or business plan. **Students are encouraged to join the student organization DECA. Concurrent enrollment in Marketing Internship 1-2 is required.**

*Prerequisite:* Successful completion of Marketing 1-2 with a C or better or teacher permission.

*Grade Level:* 10, 11, 12

*Status:* Elective

*Duration:* 2 semesters

## MARKETING INTERNSHIP 1-2

188701/188702

The internship program provides 11<sup>th</sup> and 12<sup>th</sup> grade students with an individual career experience in the community. The internship is a supplement to formal classroom instruction. Students plan their internship with a teacher-coordinator and participate in a paid or unpaid occupational experience. **Concurrent enrollment in Marketing 1-2 or 3-4.**

*Prerequisite:* Teacher approval

*Grade Level:* 9, 10, 11, 12

*Status:* Elective

*Duration:* 2 semesters

## MARKETING INTERNSHIP 3-4

188711/188712

The internship program provides 11<sup>th</sup> and 12<sup>th</sup> grade students with an individual career experience in the community. The internship is a supplement to formal classroom instruction. Students plan their internship with a teacher-coordinator and participate in a paid or unpaid occupational experience. **Concurrent enrollment in Marketing 3-4 required.**

*Prerequisite:* Successful completion of Marketing 1-2 and Marketing Internship 1-2 with a C or better; Teacher approval

*Grade Level:* 10, 11, 12

*Status:* Elective

*Duration:* 2 semesters

**INFORMATION TECHNOLOGY APPLICATIONS 1-2****130951/130952**

Students will explore emerging technologies as it applies to their success for high school, college, and career. The focus will be on the importance of digital citizenship, professional communication practices, advanced document processing, professional presentations, and intermediate spreadsheet applications uses personally and professionally.

**Prerequisite:** Successful completion of middle school Computer Applications III or Info Tech Fundamentals with a C or better.

**Grade Level:** 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

**MANAGEMENT AND LEADERSHIP 1-2****120791/120792**

This course emphasizes the basic concepts of management and leadership within a business or organization. It addresses characteristics, organization, and operation of business as major sectors of the economy. Students will investigate management issues involved in planning, organizing, leading, and controlling an organization. They will also acquire essential skills in the areas of emotional intelligence: time management, stress management, professional growth and development, communication, and relationship skills.

**Prerequisite:** None

**Grade Level:** 11, 12      **Status:** Elective      **Duration:** 2 semesters

**BUSINESS INTERNSHIP 1-2****187501/187502**

This internship program provides 11th and 12th grade students with an individual career experience in the community. The internship is a supplement to formal classroom instruction. Students plan their internship with a teacher-coordinator and participate in a paid or unpaid occupational experience. Students are required to attend Employee Appreciation Banquet. **Concurrent enrollment in corresponding business course.**

**Prerequisite:** Teacher approval.

**Grade Level:** 11, 12      **Status:** Elective      **Duration:** 2 semesters

Omaha Public Schools

# CAREER CENTER

Hands-on Learning  
Likable & Knowledgeable Teachers  
Critical Employability Skills  
Internships / Apprenticeships  
Industry Certifications  
Early College Credit Options  
Busing/Transportation provided  
Core Academic Classes offered  
Counseling Services  
VALUE



Ask your Counselor  
for an Application

**Connecting Today's Students  
With Tomorrow's Careers**

**2021-22 Enrollment**



## Competitive Advantage

Right now you may not know exactly what your next steps are. Will you choose college? Or will you choose a career? You can choose BOTH! No matter what you choose, coming to the Career Center gives you a competitive advantage. Each of our programs includes a blend of hands-on application and theory. This means you'll know what you need to do and actually how to do it! Wherever you're headed in life, your CONNECTION begins here!



### Automotive Technology

(10,11,12) 2 Credits/Semester

- Work on domestic and foreign cars and trucks in a high-tech precision industry
- Use the same advanced diagnostic and hand tool equipment as industry professionals to troubleshoot complex automotive systems.
- Maintain, repair, and fine-tune a wide range of vehicle engine performance alongside ASE technicians.

### Automotive Collision Repair

(10,11,12) 2 Credits/Semester

- Develop skills and techniques used by professional in assembly, disassembly and non-structural repair.
- Repair, remove and replace auto body parts.
- Professionally apply undercoat, paint and topcoat to create a professional finish.

### Construction

(10,11,12) 2 Credits/Semester

- Operate a wide range of hand and power tools for residential and commercial projects.
- Develop important hands-on skills in the areas of estimating, framing, interior and exterior work.
- Work alongside professional mentors from architecture, construction, and engineering fields.

### Electrical Systems Technology

(10,11,12) 2 Credits/Semester

- Advance with industry recognized skills through the Omaha Joint Electrical Apprenticeship and Training Committee program.
- Install electrical fixtures according to blueprints and schematics.
- Gain industry recognized skills from residential and commercial wiring projects and internship.

### Welding

(10,11,12) 2 Credits/Semester

- Apply multiple welding techniques to join, cut or manipulate metal.
- Develop a wide variety of techniques for high wage, high demand careers.
- Experience hands-on instruction to enhance critical thinking and problem-solving skills.

### Core/Academic Courses

(10,11,12) 1Credits/Semester

- Experience contextualized core academic courses in English, Math, and others!

### Certified Nursing Assistant

(Must be 16 by course completion)

(11,12) 2 Credits/Semester

- Prepare for a high demand career field by completing the requirements for the State of Nebraska Certified Nursing Assistant Certification.
- Obtain skills through immersion in multiple aspects of the art and science of healthcare.
- Work alongside experienced registered nurses in a

### Emergency Medical Technician

(Must be 18 by course completion)

(12) 2 Credits/Semester

- Attain essential life saving techniques critical for a career in emergency medicine.
- Complete the requirements for the national registry EMT license.
- Assess, stabilize, and transport patients during clinical experiences with certified professionals.

### Information Support & Networking

(10,11,12) 2 Credits/Semester

- Prepare for a career in the diverse field of information technology.
- Earn CompTIA A+, Network+ & Security + Certifications
- Troubleshoot, diagnose, and repair personal computers, networks, and security apparatus.

### Digital Video Production

(10,11,12) 2 Credits/Semester

- Operate specialized equipment to create professional video and film productions.
- Showcase skills in multiple video, film, and broadcast news competitions.

### UNMC High School Alliance

(11, 12) 2 Credits/Semester

- Experience unique and innovative science classes that are taught in partnership by UNMC faculty and certified high school teacher on the UNMC campus.

Access UNMC High School Alliance Application at

<https://www.unmc.edu/alliance/>

### Zoo Academy

(11, 12) 2 Credits/Semester

- Experience unique and innovative science classes that are taught in partnership by certified high school teachers on the Henry Doorly Zoo campus. (Nov. 2020 due date)

Access Zoo Academy Application at

<https://www.omahazoo.com/zooacademy>



# COMPUTER SCIENCE INFORMATION TECHNOLOGY

## INTRODUCTION TO DIGITAL DESIGN

130601/130602

This course will introduce students to the technical tools and processes used in digital design. Students will be introduced to the design process model which includes typography, color, and imagery. In addition, design software will be utilized to create graphic, animation, web pages, and video. Students will demonstrate proper use of fair use guidelines and will explore career opportunities.

*Prerequisite:* None

*Grade Level:* 10, 11, 12

*Status:* Elective

*Duration:* 2 semesters

## HONORS DIGITAL ELECTRONICS

171021/171022

From smart phones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices.

*Prerequisite:* Successful completion of Algebra 1-2 with a B or better.

*Grade Level:* 10, 11, 12

*Status:* Elective

*Duration:* 2 semesters

## PLTW COMPUTER SCIENCE PATHWAY

### COMPUTER SCIENCE ESSENTIALS 1-2

131321/131322

This year-long course provides an excellent entry for students to begin the PLTW Computer Science pathway. Computer Science Essentials exposes students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build confidence. Students use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python to create apps and develop websites, and learn how to make computers work together to put their design into practice. They apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them. **Concurrent enrollment in college preparatory mathematics course.**

*Prerequisite:* None

*Grade Level:* 9, 10, 11, 12

*Status:* Elective

*Duration:* 2 semesters

### AP COMPUTER SCIENCE PRINCIPLES

131311/131312

Open doors in any career with computer science! In CSP, students create apps for mobile devices, automate tasks in a variety of languages, and find patterns in data. Students collaborate to create and present solutions that can improve people's lives, and weigh the ethical and societal issues of how computing and connectivity are changing the world. **Concurrent enrollment in college preparatory mathematics course.**

*Prerequisite:* None

*Grade Level:* 9, 10, 11, 12

*Status:* Elective

*Duration:* 2 semesters



## **AP COMPUTER SCIENCE A 1-2**

**130791/130792**

This college-level course will prepare the student to take the AP Computer Science exam. Students will learn how to design and implement computer-based solutions to problems in several application areas, and well-known algorithms and data structures, including how to develop and select appropriate algorithms and data structures to solve problems. Students must be able to code fluently in a well-structured fashion using programming language Java, and be able to read and understand a large program and a description of the design and development process leading to such a program. Students will be expected to identify the major hardware and software components of a computer system, their relationship to one another, and the roles of these components within the system. Students will be able to recognize the ethical and social implications of computer use. **All students enrolled in an AP course are required to take either the CollegeBoard AP exam in May or an AP Alternative Assessment (exam) approved by OPS. Both exams are cumulative and cover the content of the AP curriculum.**

*Prerequisite: Successful completion of AP Computer Science Principles with a B or better.*

**Grade Level:** 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

## **HONORS CYBERSECURITY 1-2**

**131411/131412**

Cybersecurity introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Students will solve problems by understanding and closing these vulnerabilities. The course raises students' knowledge of and commitment to ethical computing behavior.

*Prerequisite: Successful completion of AP Computer Science A 1-2 with a B or better.*

**Grade Level:** 11, 12      **Status:** Elective      **Duration:** 2 semesters

## **CAPSTONE COURSE**

### **HONORS ENGINEERING DESIGN AND DEVELOPMENT**

**172011/172012**

The knowledge and skills students acquire throughout PLTW Engineering come together in EDD as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, completing EDD ready to take on any post-secondary program or career. **Concurrent enrollment in college preparatory mathematics course.**

*Prerequisite: Successful completion of 3 years of PLTW coursework*

**Grade Level:** 12      **Status:** Elective      **Duration:** 2 semesters

## **CISCO NETWORKING**

### **HONORS COMPUTER NETWORKING 1-2 (CISCO 1-2)**

**130621/130622**

This course is a study of the fundamentals of current networking technology. Students will learn to design, plan, implement, and support computer networks. The course introduces a full range of computer networking from local area networks to wide area networks. **Digital Electronics is highly recommended before this course.**

*Prerequisite: Successful completion of Algebra 1-2 with a B or better.*

**Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

### **HONORS COMPUTER NETWORKING 3-4 (CISCO 3-4)**

**130631/130632**

This course is a study of the fundamentals of current networking technology. Students will learn to design, plan, implement, and support computer networks. The course introduces a full range of computer networking from local area networks to wide area networks.

*Prerequisite: Successful completion of Honors Computer Networking 1-2 with a C or better.*

**Grade Level:** 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

# MEDIA TECHNOLOGY PATHWAY

## FOUNDATION COURSES

### **HONORS DIGITAL MEDIA 1-2**

**131171/131172**

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

*Prerequisite:* Successful completion of Algebra 1-2 with a B or better.

**Grade Level:** 9, 10      **Status:** Elective      **Duration:** 2 semesters

### **HONORS AUDIO AND VIDEO TECHNOLOGY 1-2**

**131291/131292**

Students will expand their digital media skills of interviewing, writing, editing, photography/videography, digital audio composition and design. Students will explore careers while working together to create projects in a variety of media, such as web, podcast, and/or broadcast. The emphasis of audio and video production is on collaboration and career exploration.

*Prerequisite:* Successful completion of Honors Digital Media with a B or better.

**Grade Level:** 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

### **HONORS AUDIO AND VIDEO TECHNOLOGY 3-4**

**131301/131302**

Students will focus on developing skills to plan and create audio visual productions and web design projects. Students will explore careers while working together to create projects in a variety of media, such as web, podcast, and /or broadcast. The emphasis of audio and video production is on collaboration and project management.

*Prerequisite:* Successful completion of Honors Audio and Video Technology 1-2 with a B or better.

**Grade Level:** 11, 12      **Status:** Elective      **Duration:** 2 semesters

## CAPSTONE COURSE

### **HONORS AUDIO VIDEO TECHNOLOGY CAPSTONE**

**188831/188832**

Students will expand their digital media skills of interviewing, writing, editing, photography/videography, digital audio composition and design. Students will explore careers while working together to create projects in a variety of media such as web, podcast, and/or broadcast. The emphasis of Honors Audio Video Technology Capstone is to work both independently and collaboratively to create a professional product while meeting deadlines.

*Prerequisite:* Successful completion of 3 years of Media Technology courses with a B or better.

**Grade Level:** 12      **Status:** Elective      **Duration:** 2 semesters

# ENGINEERING

National studies have shown that students in career academies are more likely to graduate with the skills and academic requirements to pursue college or career opportunities. A career academy is a small, safe, and supportive learning environment that is contained within a larger high school. An academy has a career and college theme, preparing students for both post-secondary schooling and work.

It is the constant goal of Omaha North High Magnet School and the Omaha Public Schools to keep our curriculum fresh and innovative while preparing our students for future experiences in the workplace and the collegial atmosphere. The Engineering Career Academy at North High will be a cooperative effort between your child's engineering, English and math instructors. We have chosen to pair engineering and English because it is imperative for engineers to be efficient writers, communicators and presenters. Additionally, a strong foundation in mathematics is essential for students interested in pursuing a degree in engineering. Our outstanding instructors can help your child develop the necessary skills to take their interest in engineering to the next level.

This academy will affect you in the engineering, English and math classroom. Your instructors have worked hard to find opportunities for cross-curricular instruction without changing the standards that are currently being taught in the classroom. The curriculum will mirror learning strategies and align critical thinking through writing and design, presentation/speaking skills, and formulation of ideas.

The chart below outlines a typical student's minimum requirements for Career Academy Courses. Students that enter above grade level in math will remain on the accelerated path.

## PLTW ENGINEERING PATHWAY

In PLTW Engineering, students engage in open-ended problem solving, learn and apply the engineering design process, and use the same industry-leading technology and software as are used in the world's top companies. Students are immersed in design as they investigate topics such as sustainability, mechatronics, forces, structures, aerodynamics, digital electronics and circuit design, manufacturing, and the environment, which gives them an opportunity to learn about different engineering disciplines before beginning post-secondary education or careers.

## FOUNDATION COURSES

### **HONORS INTRODUCTION TO ENGINEERING DESIGN**

**171001/171002**

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work. **Concurrent enrollment in Honors NCOT English 1-2 and Honors NCOT Algebra 1-2 or higher.**

*Prerequisite:* Successful completion of Algebra 1-2 with a B or better

**Grade Level:** 9, 10

**Status:** Elective

**Duration:** 2 semesters

### **HONORS PRINCIPLES OF ENGINEERING DESIGN**

**171011/171012**

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. **Concurrent enrollment in Honors NCOT English 3-4 and Honors NCOT Geometry 1-2 or higher.**

*Prerequisite:* Successful completion of Honors Introduction to Engineering Design.

**Grade Level:** 10, 11, 12

**Status:** Elective

**Duration:** 2 semesters

## SPECIALIZATION COURSES

### **HONORS CIVIL ENGINEERING AND ARCHITECTURE**

**171071/171072**

Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architecture design software.

*Prerequisite:* Successful completion of Honors Principles of Engineering Design

*Grade Level:* 11, 12

*Status:* Elective

*Duration:* 2 semesters

### **HONORS DIGITAL ELECTRONICS**

**171021/171022**

From smart phones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices. **Concurrent enrollment in college preparatory mathematics course.**

*Prerequisite:* None

*Grade Level:* 10, 11, 12

*Status:* Elective

*Duration:* 2 semesters

### **HONORS COMPUTER INTEGRATED MANUFACTURING**

**171111/171112**

Manufactured items are part of everyday life, yet most students have not been introduced to the high-tech, innovative nature of modern manufacturing. This course illuminates the opportunities related to understanding manufacturing. At the same time, it teaches students about manufacturing processes, product design, robotics, and automation. Students can earn a virtual manufacturing badge recognized by the National Manufacturing Badge system. **Concurrent enrollment in college preparatory mathematics course.**

*Prerequisite:* None

*Grade Level:* 10, 11, 12

*Status:* Elective

*Duration:* 2 semesters

### **HONORS ENVIRONMENTAL SUSTAINABILITY**

**171101/171102**

In ES, students investigate and design solutions in response to real-world challenges related to clean and abundant drinking water, food supply issues, and renewable energy. Applying their knowledge through hands-on activities and simulations, students research and design potential solutions to these true-to-life challenges. **Concurrent enrollment in college preparatory mathematics course.**

*Prerequisite:* None

*Grade Level:* 10, 11, 12

*Status:* Elective

*Duration:* 2 semesters

### **AP COMPUTER SCIENCE PRINCIPLES**

**131311/131312**

Open doors in any career with computer science! In CSP, students create apps for mobile devices, automate tasks in a variety of languages, and find patterns in data. Students collaborate to create and present solutions that can improve people's lives, and weigh the ethical and societal issues of how computing and connectivity are changing the world. **Concurrent enrollment in college preparatory mathematics course.**

*Prerequisite:* None

*Grade Level:* 9, 10, 11, 12

*Status:* Elective

*Duration:* 2 semesters

## CAPSTONE COURSE

### **HONORS ENGINEERING DESIGN AND DEVELOPMENT**

**172011/172012**

The knowledge and skills students acquire throughout PLTW Engineering come together in EDD as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, completing EDD are ready to take on any post-secondary program or career. **Concurrent enrollment in college preparatory mathematics course.**

*Prerequisite:* Successful completion of 3 years of PLTW coursework.

*Grade Level:* 12

*Status:* Elective

*Duration:* 2 semesters

## CAD DESIGN PATHWAY

### **CAD DESIGN/ENGINEERING 1-2**

**170211/170212**

This course will introduce the student to basic drafting skills, technology, and introductory applications of graphic communications: the development of visualization skills, sketching, and the use of software programs used in computer-aided drafting (CAD).

*Prerequisite:* Successful completion of Algebra 1-2.

**Grade Level:** 9, 10, 11, 12     **Status:** Elective     **Duration:** 2 semesters

### **CAD DESIGN/ENGINEERING 3-4**

**170221/170222**

This course will further develop skills introduced in CAD/Design Engineering 1-2 to produce complete, accurate drawings. Applications to architecture and machine tool drawing will be emphasized. Continued development of board drafting skills and CAD skills will be stressed.

*Prerequisite:* Successful completion of CAD Design/Engineering 1-2 with a C or better. Geometry 1-2 recommended.

**Grade Level:** 10, 11, 12     **Status:** Elective     **Duration:** 2 semesters

### **HONORS CAD/DESIGN ENGINEERING 5-6**

**170301/170302**

This course will further refine skills developed in CAD/Design Engineering 3-4 to produce drawings in either architectural or machine tool drafting. Continued development of board drafting skills will be stressed.

*Prerequisite:* Successful completion of CAD Design/Engineering 3-4 with a C or better. Geometry 1-2 recommended.

**Grade Level:** 11, 12     **Status:** Elective     **Duration:** 2 semesters

### **HONORS CAD/DESIGN ENGINEERING 7-8**

**170261/170262**

This course provides students the opportunity to further refine their skills in either architectural or machine tool drafting using either board drafting or CAD. Students will produce a project that may include using: 3-D design, animation, board drafting, or CAD.

*Prerequisite:* Successful completion of CAD Design/Engineering 5-6 with a C or better. Algebra 3-4 and Geometry 1-2 recommended.

**Grade Level:** 12     **Status:** Elective     **Duration:** 2 semesters

### **INTRO TO ROBOTICS 1-2**

**172141/172142**

Students will design and build a robot. Major units of study will focus on the engineering design process, building and designing a controllable base, designing and building a manipulator and programming of the mechanical system using logic-based control and simple sensors. Participation in SkillsUSA is recommended.

*Prerequisite:* None

**Grade Level:** 10, 11, 12     **Status:** Elective     **Duration:** 2 semesters

### **HONORS INTRO TO ROBOTICS 1-2 (After School Only)**

**172131/172132**

Students will design and build a robot to participate in area robotic competitions. Major units of study will focus on the engineering design process, building and designing a controllable base, designing and building a manipulator and programming of the mechanical system using logic based control and simple sensors.

*Prerequisite:* None

**Grade Level:** 9, 10, 11, 12     **Status:** Elective     **Duration:** 2 semesters

### **ROBOTICS CONCEPTS 3-4**

**172151/172152**

Students will thoroughly examine a robotics design problem and implement the best possible solution to the proposed problem. The problem will require students to develop deeper understanding of robotics design and implementation. Examples would include transmission design, pneumatic controls and in-depth precision programming control.

*Prerequisite:* Successful completion of Intro to Robotics 1-2 or Honors Intro to Robotics 1-2.

**Grade Level:** 10, 11, 12     **Status:** Elective     **Duration:** 2 semesters

# ENGLISH

*\*Students develop cognitively, socially, and emotionally along different time and interest continuums. For students who are willing and interested in advanced coursework, but do not meet the course prerequisites, an exception may be requested through a conversation involving staff, parents/guardians, and the student.*

## LITERACY SKILLS

01181/011182

Students in this course will improve reading proficiency with explicit, direct instruction in fluency, vocabulary, and comprehension. Strategies for phonemic awareness and phonics will be taught as needed. Students will read leveled, high interest literature for both academic and recreational purposes. Placement is based on Standardized test scores and teacher recommendation.

*Prerequisite: Teacher approval and middle school recommendations.*

**Grade Level:** 9      **Status:** Elective      **Duration:** 2 semesters

## ACADEMIC LITERACY

011011/011012

This course helps students develop skills and knowledge to improve their engagement, fluency, and comprehension of content-area materials and texts. Students will learn to understand and regulate their own reading processes while developing strategies for overcoming reading obstacles. Placement is based on standardized test scores and teacher recommendation.

*Prerequisite: Teacher approval and middle school recommendations.*

**Grade Level:** 9      **Status:** Elective      **Duration:** 2 semesters

## ENGLISH 1-2

010341/010342

This course focuses on the English Language Arts skills of reading, writing, speaking and listening. Students will use a variety of conceptual lenses to gain command of essential skills in written and oral communication and the reading of narrative and informational text. Students will produce a variety of writing samples in the following modes: descriptive, narrative, analytical, expository, persuasive, argumentative, and technical.

*Prerequisite: None*

**Grade Level:** 9      **Status:** Meets requirement      **Duration:** 2 semesters

## HONORS ENGLISH 1-2

010351/010352

This course provides a more rigorous and intensive study of the language arts skills of reading, writing, speaking and listening as described in English 1-2. Students will read a variety of narrative and informational texts and produce five required pieces in the following modes: narrative, analytical, expository, persuasive, argumentative and technical. Additional course work is required above and beyond the regular English 1-2 course.

*Prerequisite: Successful completion of English Language Arts 8 1-2 with an A or better OR Successful completion of Honors English Language Arts 8 1-2 with a B or better OR MAP Reading score at or above score determined by District English Language Arts.*

**Grade Level:** 9      **Status:** Meets requirement      **Duration:** 2 semesters

## ENGLISH 3-4

010411/010412

This course focuses on the English Language Arts skills of reading, writing, speaking and listening. Students will use a variety of unique conceptual lenses (relationships, culture, responsibility, integrity and honor) to gain command of essential skills in written and oral communication and the reading of narrative and informational text. Students will produce a variety of writing samples in the following modes: descriptive, narrative, analytical, expository, persuasive, argumentative, and technical.

*Prerequisite: None*

**Grade Level:** 10      **Status:** Meets requirement      **Duration:** 2 semesters

### HONORS ENGLISH 3-4

010421/010422

This course provides a more rigorous and intensive study of the language arts skills of reading, writing, speaking and listening as described in English 3-4. Students will read a variety of narrative and informational texts and produce five writing pieces in the following modes: descriptive, narrative, analytical, expository, persuasive, argumentative, and technical. Additional course work is required above and beyond the regular English 3-4 course. **A summer project is required for this class.**

*Prerequisite:* Successful completion of Honors English 1-2 with a B or better and teacher recommendation.

**Grade Level:** 10      **Status:** Meets requirement      **Duration:** 2 semesters

### ENGLISH 5-6

010471/010472

This course focuses on the English Language Arts skills of reading, writing, speaking and listening through a study of American literature. Students will use a variety of conceptual lenses to gain command of essential skills in written and oral communication and the reading of narrative and informational text. Students will produce a variety of writing samples in the following modes: descriptive, narrative, analytical, expository, persuasive, argumentative, and technical.

*Prerequisite:* None

**Grade Level:** 11      **Status:** Meets requirement      **Duration:** 2 semesters

### AP ENGLISH LANGUAGE AND COMPOSITION

011911/011912

AP Language and Composition is an AP course designed to engage students in the careful reading and critical analysis of, primarily, non-fiction works. The focus is American literature, poetry, and non-fiction. Through the close reading and use of other AP learning strategies, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. This course follows the College Board curriculum and involves extensive reading and writing. Course participants will be prepared, but not required, to take the Advanced Placement exam to earn college credit. Dual enrollment options may be available. **All students enrolled in an AP course are required to take either the CollegeBoard AP exam in May or an AP Alternative Assessment (exam) approved by OPS. Both exams are cumulative and cover the content of the AP curriculum. A summer project is required for this class.**

*Prerequisite:* Successful completion of Honors English 3-4 with a B or better and teacher recommendation.

**Grade Level:** 11      **Status:** Meets requirement      **Duration:** 2 semesters

### ENGLISH 7-8

010531/010532

This course focuses on the English Language Arts skills of reading, writing, speaking and listening through a study of British and global literature. Students will use a variety of conceptual lenses to gain command of essential skills in written and oral communication and the reading of narrative and informational text. Students will produce a variety of writing samples in the following modes: descriptive, narrative, analytical, expository, persuasive, argumentative, and technical.

*Prerequisite:* None

**Grade Level:** 12      **Status:** Meets requirement      **Duration:** 2 semesters

### AP ENGLISH LITERATURE AND COMPOSITION

011901/011902

Advanced Placement English Literature and Composition is an Advanced Placement course that engages students in the critical analysis of selected texts from ancient Greece to the contemporary world. Students continue to practice close reading techniques, build their vocabularies and comfort with the language of literary analysis, and approach texts independently with increasing sophistication and critical thinking. This course follows the College Board curriculum and involves extensive reading and writing. Advanced educational credit may be available for students who successfully pass the AP Exam. Dual enrollment options may be available. **All students enrolled in an AP course are required to take either the CollegeBoard AP exam in May or an AP Alternative Assessment (exam) approved by OPS. Both exams are cumulative and cover the content of the AP curriculum. A summer project is required for this class.**

*Prerequisite:* Successful completion of Honors English 5-6 or AP English Language and Composition with a B or better and teacher recommendation.

**Grade Level:** 12      **Status:** Meets requirement      **Duration:** 2 semesters



## HONORS TECHNICAL COMMUNICATION

011741/011742

Honors Technical Communication is designed to facilitate critical thinking, close reading, technical writing, and public speaking. Students will focus on the development of technical information to facilitate interaction with technology and solve complex problems through verbal and written expression. Students will engage in research and writing processes to produce a variety of technical documents appropriate for Precision Machining and STEM fields. Dual enrollment options may be available.

**Prerequisite:** None

**Grade Level:** 12

**Status:** Meets requirement

**Duration:** 2 semesters

## HONORS ADVANCED CREATIVE WRITING

020371/020372

This course is a workshop-style elective course providing students with opportunities to write and share verse, fiction, discursive prose, and drama. Students in all grade levels are challenged to enhance their communication skills, extend their appreciation of language, express themselves creatively, and collaborate with other writers. Course may be taken for multiple semesters or years.

**Prerequisite:** Successful completion of Honors English course or teacher recommendation.

**Grade Level:** 10, 11, 12

**Status:** Elective

**Duration:** 1 or 2 semesters

## HONORS HUMANITIES

010951/010952

This humanities course in genocide will use a variety of texts and lenses by which to examine genocide and, more broadly, human rights, from the start of the twentieth century to the present day. An examination of genocide is a look not only at the very worst aspects of humanity, but also sometimes at the very best aspect of humanity. In this class, students will have the opportunity to process ideas about difficult subjects in a safe environment, to think about the world in which they live, and to consider ways in which to make it better, more just, peaceful place. Students in this junior-senior level humanities course should expect a reasonable amount of reading and writing, in addition to Socratic Seminar, guest speakers, and experienced learning experiences including local field trips as well as the potential to take trips to further their study.

**Prerequisite:** Successful completion of English course with a C or better.

**Grade Level:** 11, 12

**Status:** Elective

**Duration:** 2 semesters

## PHOTOJOURNALISM 1

020841

In addition to learning to create written pieces through the development of photographs, this course includes DSLR camera operations, lighting, composition, photo editing techniques for print or computer-mediated publication applications. Emphasis is placed on using the camera as a reporting tool in conjunction with design to publish their work. Legal and ethical issues involving photojournalism will also be addressed.

**Prerequisite:** Successful completion of English Language Arts 8 1-2 with a B or better or teacher recommendation.

**Grade Level:** 9, 10, 11

**Status:** Elective

**Duration:** 1 semester

## DIGITAL JOURNALISM 1

020451

Digital Journalism focuses on a variety of media platforms for the 21st century, placing emphasis on the laws and ethics of both online and video journalism which include the development of skills in online newspaper and web design, podcasts, news broadcasting and social media. Students will understand what digital citizenship is in addition to acquiring skills that help to prepare them for advanced journalism courses.

**Prerequisite:** Successful completion of Photojournalism 1 or Journalism 1 and teacher permission.

**Grade Level:** 9, 10, 11

**Status:** Elective

**Duration:** 1 semester

## HONORS DIGITAL JOURNALISM 3-4

022451/022452

Students enrolled in this course are responsible for the production of the online school newspaper website and student journalism social media. Students work individually and collaboratively on their assignments. Quality writing, editing, advertising, photography, and video skills are required.

**Prerequisite:** Successful completion of Journalism 1-2, Honors Journalism 1-2 or both Photojournalism 1 or Digital Journalism 1 with B or better and teacher permission.

**Grade Level:** 10, 11, 12

**Status:** Elective

**Duration:** 2 semesters

**HONORS DIGITAL JOURNALISM 5-6****022551/022552**

Course description is similar to Honors Digital Journalism 3-4. Students will assume additional responsibilities and assignments. This course is for second year digital journalism students.

*Prerequisite:* Successful completion of Honors Digital Journalism 3-4 with B or better and teacher permission.

**Grade Level:** 11, 12      **Status:** Elective      **Duration:** 2 semesters

**HONORS DIGITAL JOURNALISM 7-8****022651/022652**

Course description is similar to Honors Digital Journalism 5-6. Students will assume additional responsibilities and assignments. This course is for third year digital journalism students.

*Prerequisite:* Successful completion of Honors Digital Journalism 5-6 with a B or better and teacher permission.

**Grade Level:** 12      **Status:** Elective      **Duration:** 2 semesters

**JOURNALISM 1-2****020411/020412**

This course introduces students to the entire field of journalism. Students will learn law and ethics; various modes of journalistic writing, reporting, and interviewing; and newspaper/yearbook layout and design. They will also learn basics of photography, digital citizenship, and online media. Students are expected to work individually and collaboratively. It prepares students for any of the honors publication classes such as yearbook, newspaper, and digital journalism.

*Prerequisite:* Successful completion of English course with a B or better or teacher permission.

**Grade Level:** 9, 10, 11      **Status:** Elective      **Duration:** 2 semesters

**HONORS JOURNALISM 1-2****020531/020532**

This course introduces students to the entire field of journalism. Students will learn law and ethics; various modes of journalistic writing, reporting, and interviewing; and newspaper/yearbook layout and design. They will also learn basics of photography, digital citizenship, and online media. Students are expected to work individually and collaboratively. It prepares students for any of the honors publication classes such as yearbook, newspaper, and digital journalism. **In addition, students will work on an ongoing portfolio project that they will be expected to work on outside of the class.**

*Prerequisite:* Successful completion of English course with a B or better.

**Grade Level:** 9, 10, 11      **Status:** Elective      **Duration:** 2 semesters

**HONORS YEARBOOK 1-2****020471/020472**

Students enrolled in this course are responsible for the production of the school yearbook. Students will work individually and collaboratively on their assignments. Quality writing, editing, advertising, photography, and layout design skills are studied.

*Prerequisite:* Successful completion of Journalism 1-2, Honors Journalism 1-2, or both Photojournalism and Digital Journalism with a B or better and teacher permission.

**Grade Level:** 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

**HONORS YEARBOOK 3-4****020431/020432**

Course description similar to Honors Yearbook 1-2. Students will assume additional responsibilities and assignments. This course is for second year yearbook students.

*Prerequisite:* Successful completion of Honors Yearbook 1-2 with a B or better and teacher permission.

**Grade Level:** 11, 12      **Status:** Elective      **Duration:** 2 semesters

**HONORS YEARBOOK 5-6****021431/021432**

Course description is similar to Honors Yearbook 1-2 and Honors Yearbook 3-4. Students will assume additional responsibilities and assignments. This course is for third year yearbook students.

*Prerequisite:* Successful completion of Honors Yearbook 3-4 with a B or better and teacher permission.

**Grade Level:** 12      **Status:** Elective      **Duration:** 2 semesters

## HONORS NEWSPAPER 1-2

020481/020482

Students enrolled in this course will be responsible for the print and/or online production of the school newspaper. Students will work individually and collaboratively on their assignments. Quality writing, editing, advertising, photography, and layout design skills are emphasized.

*Prerequisite:* Successful completion of Journalism 1-2, Honors Journalism 1-2, or both Photojournalism and Digital Journalism with a B or better and teacher permission.

**Grade Level:** 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

## HONORS NEWSPAPER 3-4

023191/023192

Course description is similar to Honors Newspaper 1-2. Students will assume additional responsibilities and assignments. This course is for second year newspaper students.

*Prerequisite:* Successful completion of Honors Newspaper 1-2 with a B or better and teacher permission.

**Grade Level:** 11, 12      **Status:** Elective      **Duration:** 2 semesters

## HONORS NEWSPAPER 5-6

021191/021192

Course description is similar to Honors Newspaper 1-2 and Honors Newspaper 3-4. Students will assume additional responsibilities and assignments. This course is for third year newspaper students.

*Prerequisite:* Successful completion of Honors Newspaper 3-4 with a B or better and teacher permission.

**Grade Level:** 12      **Status:** Elective      **Duration:** 2 semesters

## EDITORIAL LEADERSHIP

022751/022752

Students enrolled in this class must also be enrolled concurrently in Honors Yearbook 3-4, Honors Newspaper 3-4, or Digital Journalism 5-6 or higher. The purpose of this class is to build the leadership skills of journalists who are promoted into editorial management positions. It will also establish ongoing training, coaching, and support as well as create mutually supportive cohorts for the leaders.

*Prerequisite:* Successful completion of Honors Yearbook, Honors Newspaper, or Honors Digital Journalism with a B or better and teacher permission. Exceptions may be made for Honors Yearbook 1-2, Honors Newspaper 1-2, and Honors Digital Journalism 3-4 students who have been moved to an editorial leadership position.

**Grade Level:** 11, 12      **Status:** Elective      **Duration:** 2 semesters

## ADVANCED DRAMA

020651/020652

This course is a continued in-depth study and application of acting principles, terminology, and theater history. Students will also learn and apply the fundamentals of directing, stage, lighting, and costume design. Students are required to attend and critique two live stage productions per semester and participate in student-directed one act plays. This course may be taken more than one time for credit.

*Prerequisite:* Successful completion of Drama 1-2 with a C or better or teacher permission

**Grade Level:** 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

## STAGECRAFT 1-2

020681/020682

This course focuses on providing students with an understanding of technical theater, including theater safety, parts of a theater, theatrical rigging systems, the safe use of tools, basic set construction, introduction to set design, introduction to theatrical lighting and sound, stage management, and the use of other theatrical equipment. In addition, students will be introduced to theatrical costumes, properties, and theatrical makeup and the role each plays within a production. Strong interest in the "behind the scenes" working of a theatrical production is a must. Some experience in building/construction is good, but not necessary. **Students will be expected to work before and after school and evenings in addition to the required class time.** Student must pass a safety exam to be accepted into this class.

*Prerequisite:* Successful completion of Drama 1-2 with a C or better.

**Grade Level:** 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

## **ADVANCED STAGECRAFT 1-2**

**020691/020692**

This course focuses on providing students with an advanced understanding of technical theater, set design and construction, the safe use of tools, theatrical rigging systems, and other theatrical equipment. Students enrolled in this course will read and technically analyze play/musical productions and take leadership roles in the technical dimension of school productions which include: designing and building sets, operating theatrical riggings, designing and leading the light, sound properties, makeup and costume crews, and stage management. They will also assist the technical director during school productions while maintaining focus on safety in all operations and procedures. Students must critique the production process and complete other projects related to technical theater in and outside of the classroom. Students are required to attend and critique all school plays and musical productions. This course may be taken more than one time for credit. **Students will be expected to work before and after school and evenings in addition to the required class time.** Student must pass a safety exam to be accepted into this class.

*Prerequisite: Successful completion of Stagecraft 1-2 with a B or better or teacher permission.*

**Grade Level:** 11, 12      **Status:** Elective      **Duration:** 2 semesters

## **INTRO TO SPEECH AND DEBATE 1-2**

**021541/021542**

Intro to Speech and Debate introduces students to the art of speaking, oral interpretation, and persuasive and debate skills to broaden their oral communication skills. Students will explore and analyze historical and award-winning speeches, event analysis and rule interpretations, topic selection, elements of persuasion, and preparation for several in-class debates and speeches.

*Prerequisite: Successful completion of English course with a C or better.*

**Grade Level:** 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

## **H INTRO TO SPEECH AND DEBATE**

**021571/02572**

Honors Intro to Speech and Debate introduces students to the art of speaking, oral interpretation, and persuasive and debate skills to broaden and deepen their oral communication skills. Students will explore and analyze historical and award-winning speeches, event analysis and rule interpretations, topic selection, elements of persuasion, and preparation for several in-class debates and speeches. In this class students will be expected to be a part of our Novice speech and debate competition team and will be expected to attend 3 novice speech and debate tournaments.

*Prerequisite: Successful completion of English course with a B or better or teacher permission.*

**Grade Level:** 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

## **HONORS ADVANCED DEBATE**

**020581/020582**

This course prepares students to participate in competitive debate settings; students learn to use knowledge and experience gained in previous courses and debate activities to prepare for and to debate students from other schools in organized competitions. Students will be required to attend two tournaments per semester outside of class time.

*Prerequisite: Successful completion of Debate 1-2 with a C or better.*

**Grade Level:** 11, 12      **Status:** Elective      **Duration:** 2 semesters

# ENGLISH AS A SECOND LANGUAGE

While the following courses are available only to students who qualify for ESL services and support, ESL students are not limited to these courses.

High School EL Pathway (for ELs with Formal Education history)				
<b>Year 1 in US School - Beginning Level ELs</b>	<b>A Day</b>	<b>B Day</b>	<b>Considerations</b>	<b>Summer courses for accrual purposes (June and/or July)</b>
	ESL 1-2	ESL 1-2		ESL Enrichment (June & July) arrival after March, RWM focused rotation with discourse
	Recommended Math Placement for ELs	Optional EL co-requisite math support course: ESL Math Prep 1-2 (elective) taught by EL teacher	EL Math screener: Courses in math progression: Math Essentials* (creative offering - offered virtually) Pre-Algebra 1-2 Algebra 1-2 *Math Essentials is a math credit bearing course taught by Math teacher	Math Essentials 1 (June) Math Essentials 2 (July)
	Science Foundations 3-4	ESL Social Studies Foundations 1-2	Continue foundational language and literacy development in social studies context; overview of Units of Study covered in US History taught in MS	
	Elective	PE	Academy/Pathway overview course as elective	
<b>Year 2 in US School - Early Intermediate Level ELs</b>	<b>A Day</b>	<b>B Day</b>	<b>Considerations</b>	<b>Summer courses for accrual purpose (June and/or July)</b>
	ESL 3-4	ESL 3-4		Geography and Economics (June)
	Recommended Math Placement for ELs	Academy or Pathway Course	Courses in math progression: Pre-Algebra 1-2 Algebra 1-2	Academic Literacy (reading support course)
	ESL Reading 3-4	P.E.	ESL Reading 3-4 - reworked course (focus on academic language development)	
	Physical Science	US History 1-2 ELL	Sheltered course taught by Social Studies/EL endorsed teacher	
<b>Year 3 in US School - Intermediate Level ELs</b>	<b>A Day</b>	<b>B Day</b>	<b>Considerations</b>	<b>Summer courses for accrual purpose (June and/or July)</b>
	English 1-2 ELL	ESL 5-6	Taught by English/EL endorsed teacher	English 3 and/or English 4 (for ex: Eng 3 in June, Eng 4 in July)
	Recommended Math Placement for ELs	Biology	Courses in math progression: Algebra 1-2 Geometry	Eng 3 only (June)
	Elective OR Geography (if not taken in summer of Year 2)	Elective OR Economics (if not taken in summer of Year 2)	Academic Literacy (possible elective)	Possible online course English 4 (July)
	World History 1-2	Academy or Pathway Course	Taught by content-area/EL endorsed teacher	
<b>Year 4 in US School - Intermediate Level ELs</b>	<b>A Day</b>	<b>B Day</b>	<b>Considerations</b>	<b>Summer courses for accrual purposes</b>
	English 5-6	English 3-4 (if not taken in summer of Year 3) OR English 7-8	Set criteria in order to be eligible to take English 5-6 and English 7-8 at the same time	English 7-8 (through Accelere) if a student must take Eng 3-4 during school year
	Personal Finance	American Government		
	Suggested Academy or student interest-based science elective	Recommended Math		
	Academy or Pathway Course	Elective		

**ESL 1-2****155191/155192**

This course is intended for beginning proficiency level English learners (typically a first-year English learners with formal educational experiences). It is worth 2 credits due to double seat time. It focuses on increasing ELs' academic English skills in the areas of speaking, listening, reading, and writing to an early-intermediate level as measured by the ELP Achievement Level Descriptors. The language and literacy integrated curriculum provides students with a balanced approach to learning English through applying comprehension skills to study authentic literature, informational texts, foundational literacy skills, academic vocabulary development, and academic writing with contextualized grammar. Special attention will be given to develop ELs' oral language through integration of academic conversations. The curriculum for ESL classes is aligned to the English Language Proficiency standards and is in support of academic language development required for the core content-area standards' mastery.

*Prerequisite: None*

**Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

**ESL 3-4****155351/155352**

This course is intended for intermediate proficiency level English learners (typically a second-year English learners with formal educational experiences). It is worth 2 credits due to double seat time. The focus of the course will be to increase ELs' academic English skills in the areas of speaking, listening, reading, and writing to an intermediate level as measured by the ELP Achievement Level Descriptors. The language and literacy integrated curriculum will focus on strengthening comprehension and interaction with complex text through utilization of high-yield comprehension strategies, academic conversations, academic vocabulary and writing and grammar skills required to produce academic writing. The curriculum for ESL classes is aligned to the English Language Proficiency standards and is in support of academic language development required for the core content-area standards' mastery.

*Prerequisite: None*

**Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

**ESL 5-6****155151/155152**

This co-requisite course is intended for intermediate proficiency level English learners, who are also enrolled in English 1-2 ELL course. The focus of the course will be to increase ELs' academic English skills in the areas of speaking, listening, reading, and writing to an advanced level as measured by the ELP Achievement Level Descriptors. The language and literacy integrated curriculum will focus on strengthening comprehension and interaction with complex text through utilization of high-yield comprehension strategies, academic conversations, academic vocabulary and writing and grammar skills required to produce academic writing. The curriculum for this course is aligned to the English Language Proficiency standards and is in support of academic language development required for English 1-2 course.

*Prerequisite: None*

**Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

**ESL READING 3-4****155231/155232**

This course is designed for intermediate proficiency level ELs. The focus of the course is to improve ELs academic language development in the areas of speaking, listening, reading and writing to an intermediate level as measured by the ELP Achievement Level Descriptors. Emphasis is on strengthening comprehension skills through experience with texts that systematically increase in scope and complexity. Students will have frequent opportunities for academic conversations and writing about relevant content that supports growth toward mastery of grade level content. Successful completion of learning goals from ESL 1-2 course or demonstration of equivalent skills is required for registration in this course.

*Prerequisite: Successful completion of learning goals from ESL Reading 1-2 or demonstration of equivalent skills is required for registration in this course.*

**Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters



**ESL MATH PREP 1-2****155301/155302**

This co-requisite course is intended for beginning proficiency level English learners, who are also enrolled in an appropriate math course. The focus of the course will be to build math literacy (language and vocabulary for math.). Course curriculum includes math discourse development. (e.g., academic vocab, how to unpack math word problems, academic conversations about math) and foundational skills review. Curriculum for this course is aligned to the English Language Proficiency standards and is in support of academic language development required for mathematics. .

*Prerequisite: None***Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters**ESL SOCIAL STUDIES FOUNDATIONS 1-2****159411/159412**

This ESL course is intended for beginning proficiency level English learners (typically a first-year English learners with formal educational experiences) and supports literacy and English language acquisition. This course explores the life of our country during the time period between Independence to 1900. Instruction is organized around the themes of geography, history, economics, and civics. Students investigate the key people, events, and ideas of the United States through primary and secondary sources, multiple perspectives, and the inquiry process. The curriculum for ESL classes is aligned to the English Language Proficiency standards and is in support of academic language development required for mastery of HS US History course standards and curriculum.

*Prerequisite: None***Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters**ESL SCIENCE FOUNDATION 3-4****063141/063142**

Science Foundation is an inquiry-based course designed to expose students to natural, environmental, and life sciences. Topics include weather and water cycles, plant studies, environmental changes, and human body systems. This course provides a foundation for other science courses.

*Prerequisite: None***Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters**US HISTORY ELL 1-2****031331/031332**

This course is restricted for ESL students who are concurrently enrolled in ESL 3-4 or ESL 5-6. A special focus on language development is provided, but content and standards are the U.S. History standards. This course continues the study of United States history from 1900 to present. Students address the social, economic, and political development of the nation and relate it to both past and present. Instruction is organized around the themes of geography, history, economics, and civics. Students investigate the key people, events, and ideas of the United States through primary and secondary sources, multiple perspectives, and the inquiry process.

*Prerequisite: None***Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters**ENGLISH ELL 1-2****010371/010372**

This course offers the English 1-2 curriculum with enhanced vocabulary focus and cultural orientation for ELL students.

*Prerequisite: None***Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters**\*\*Course availability may change**

# FAMILY & CONSUMER SCIENCE

## **SPORTS NUTRITION**

**140141**

This course focuses on general nutrition, healthy lifestyles, diet choices, and optimal athletic performance.

*Prerequisite: None*

**Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 1 semester

## **FRESHMAN SEMINAR**

**181301/181302**

This introductory course is for all freshmen students that will introduce them to the high school experience by discovering school opportunities in career-based and academy programming. Students will build a plan for their high and post-high school experiences and focus on learning strategies for successfully transitioning into the high school environment. Students will engage in content in the course exploring the Omaha Public School Portrait of a Graduate, benchmarks of a College and Career continuum, and Nebraska's College and Career Readiness Standards.

*Prerequisite: None*

**Grade Level:** 9      **Status:** Elective      **Duration:** 2 semesters

## **PRINCIPLES OF EDUCATION AND TRAINING**

**141171/141172**

This course is designed to introduce students to career opportunities and related skills in the Education and Training career field, including teaching and professional educational training. Students will explore topics related to the foundation and history of education, the philosophy of education, roles of educators, instructional and assessment methods, diversity of cultures and communities related to educational settings, learner development, and professional development. Classroom, laboratory, and educational leadership activities are supplemented through Nebraska Educators Rising, a career and technical student organization.

*Prerequisite: None*

**Grade Level:** 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

## **LIFESPAN DEVELOPMENT**

**141161/141122**

This course explores the physical, emotional, social, and intellectual development of individuals across the lifespan. External impacts on development, including family structure and practices, social and technological forces, and resources available to individuals and their outcomes will be explored. Classroom, laboratory, and educational leadership activities are supplemented through Educators Rising.

*Prerequisite: None*

**Grade Level:** 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

# MATHEMATICS

*\*Students develop cognitively, socially, and emotionally along different time and interest continuums. For students who are willing and interested in advanced coursework, but do not meet the course prerequisites, an exception may be requested through a conversation involving staff, parents/guardians, and the student.*

## **PRE-ALGEBRA 1-2**

**040161/040162**

This course is designed to meet the needs of the student who will benefit from a transition course which bridges the similarities of arithmetic and algebra. This course will contain spiraling reinforcement of basic algebraic concepts and topics in order to prepare students for successful placement in Algebra 1-2. This course will cover the content standards for pre-algebra, including operations on real numbers, conversions among fractions, decimals, and percentages, solving linear equations and inequalities, graphing linear equations, working with polynomials, and using measures of central tendency to interpret data.

*Prerequisite:* Teacher recommendation.

**Grade Level:** 9

**Status:** Meets requirement

**Duration:** 2 semesters

## **ALGEBRA 1-2**

**040271/040272**

This course is a first-year algebra survey. It covers traditional algebra topics including a study of the four basic operations dealing with signed numbers and polynomials, solution of first- and second-degree equations, verbal problems, systems of linear equations, graphing and writing linear equations and inequalities, and simplifying exponential expressions. **Students who took Algebra 1-2 at the middle school and did not receive a grade of a B or better must begin in Algebra 1-2.**

*Prerequisite:* None

**Grade Level:** 9, 10, 11, 12

**Status:** Meets requirement

**Duration:** 2 semesters

## **HONORS ALGEBRA 1-2**

**040281/040282**

This course is the honors section of Algebra 1-2. It covers traditional algebra topics including operations with signed numbers and polynomials, solving first- and second-degree equations, verbal problems, systems of linear equations, graphing and writing linear equations and inequalities, and simplifying exponential expressions. As an honors class, these topics will be covered in greater depth and with enrichment.

*Prerequisite:* Successful completion of Pre-Algebra 1-2 with an A; MAP Math score at or above score determined by District Math; or Orleans-Hanna Prognosis Test Score at or above 75

**Grade Level:** 9

**Status:** Meets requirement

**Duration:** 2 semesters

## **GEOMETRY 1-2**

**040351/040352**

This course is a complete study of geometry. Topics include congruence and similarity of figures, parallelism and perpendicularity, right triangle relationships, formal and informal proof, coordinate geometry, properties of polygons and circles, and perimeter, area, and volume of two- and three-dimensional figures

*Prerequisite:* Successful completion of Algebra 1-2

**Grade Level:** 9, 10, 11, 12

**Status:** Meets requirement

**Duration:** 2 semesters

## **HONORS GEOMETRY 1-2**

**040361/040362**

This course is the honors section of Geometry 1-2. Topics include congruence and similarity of figures, parallelism and perpendicularity, right triangle relationships, formal and informal proof, coordinate geometry, properties of polygons and circles, and perimeter, area, and volume of two- and three-dimensional figures. As an honors class, each topic will be covered in greater depth and with enrichment.

*Prerequisite:* Successful completion of Algebra 1-2 with an A, or Honors Algebra 1-2 with a B or better, or MAP Math score at or above score determined by District Math

**Grade Level:** 9, 10, 11

**Status:** Meets requirement

**Duration:** 2 semesters

**ALGEBRA 3-4****040291/040292**

This course covers the topics of a traditional second-year algebra course. Content includes solving polynomial equations as well as linear, absolute value, and quadratic equations and inequalities, and working with exponents and logarithms, complex numbers, systems of equations and inequalities, and simple probability. Appropriate technology will be used to assist in instruction and learning. **This course is not recommended for incoming freshmen. For incoming freshmen that are not ready for an Honors Algebra 3-4, it is highly recommended to begin in Honors Algebra 1-2.**

*Prerequisite:* Successful completion of Geometry 1-2.

**Grade Level:** 10, 11, 12      **Status:** Meets requirement      **Duration:** 2 semesters

**HONORS ALGEBRA 3-4****040301/040302**

This is the honors section of Algebra 3-4. As such the topics and concepts will be covered in more depth, and additional content is present as well. This course covers the topics of a traditional second-year algebra course. Content includes solving polynomial equations as well as linear, absolute value, and quadratic equations and inequalities, and working with exponents and logarithms, complex numbers, systems of equations and inequalities, matrix algebra and matrix solutions to systems of equations, series and sequences, and compound probability. Appropriate technology will be used to assist in instruction and learning.

*Prerequisite:* Successful completion of Algebra 1-2 or Geometry 1-2 with an A, or Honors Algebra 1-2 with a B or better, or MAP Math score at or above score determined by District Math.

**Grade Level:** 9, 10, 11, 12      **Status:** Meets requirement      **Duration:** 2 semesters

**MATH ANALYSIS****041231/041232**

Math Analysis is a full-year terminal math course for students who have reached proficiency in advanced algebra topics but have no intention of pursuing math- or science-related fields of study in post-secondary school. The course content includes Critical Thinking, Set Theory, Number Theory, Functions, Measurement, Personal Finance, Combinatorics, Probability, Statistics, and Logic. **This class is not for students who intend on pursuing math or science related fields in a post-secondary school.**

*Prerequisite:* Successful completion of Algebra 3-4

**Grade Level:** 12      **Status:** Meets requirement      **Duration:** 2 semesters

**PRE-CALCULUS/TRIGONOMETRY****040381/040382**

This course includes topics of mathematics that are necessary for the successful study of calculus. Topics include polar coordinates, right triangle trigonometry, circular functions, logarithms, and graphs of rational and polynomial relations and functions.

*Prerequisite:* Successful completion of Algebra 3-4 with a C or better.

**Grade Level:** 10, 11, 12      **Status:** Meets requirement      **Duration:** 2 semesters

**HONORS PRE-CALCULUS/TRIGONOMETRY****040411/040412**

This course is the honors section of Pre-calculus/Trigonometry. This course includes topics of mathematics that are necessary for the successful study of calculus. Topics include polar coordinates, right triangle trigonometry, circular functions, logarithms, and graphs of rational and polynomial relations and functions. Students enrolling in this course should have successfully completed both semesters of Honors Algebra 3-4 with proficient or advanced grades.

*Prerequisite:* Successful completion of Honors Algebra 3-4 with a B or better or teacher permission.

**Grade Level:** 9, 10, 11, 12      **Status:** Meets requirement      **Duration:** 2 semesters

**HONORS ENRICHMENT MATH****040701/040702**

This course offers the talented and motivated mathematics student who desires to broaden his/her mathematical horizons exposure to the following: reinforcement and extension of algebra, reinforcement and extension of geometry, number theory, symbolic logic, three-dimension geometry, analytic geometry and general problem solving. (Topics from both Linear and Discrete Math)

*Prerequisite:* Successful completion of Honors Pre-Calculus/Trigonometry with a B or better.

**Grade Level:** 9, 10, 11, 12      **Status:** Meets requirement      **Duration:** 2 semesters

**AP CALCULUS AB****040451/040452**

This course follows the College Board's Advanced Placement syllabus for Calculus AB, which stresses the concept of limit and introduces the student to differential and integral calculus, including both theorems and techniques. **All students enrolled in an AP course are required to take either the CollegeBoard AP exam in May or an AP Alternative Assessment (exam) approved by OPS. Both exams are cumulative and cover the content of the AP curriculum. A summer project will be required for this class.**

*Prerequisite:* Successful completion of Honors Pre-Calculus/Trigonometry with a B or better or teacher permission.

**Grade Level:** 9, 10, 11, 12    **Status:** Meets requirement    **Duration:** 2 semesters

**AP CALCULUS BC****040461/040462**

This course follows the College Board's Advanced Placement syllabus for Calculus BC, which includes functions, graphs, limits, derivatives, integrals, polynomial approximations, and series. **All students enrolled in an AP course are required to take either the CollegeBoard AP exam in May or an AP Alternative Assessment (exam) approved by OPS. Both exams are cumulative and cover the content of the AP curriculum. A summer project will be required for this class.**

*Prerequisite:* Successful completion of Honors Pre-Calculus/Trigonometry with a B or better or teacher permission.

**Grade Level:** 9, 10, 11, 12    **Status:** Meets requirement    **Duration:** 2 semesters

**HONORS CALCULUS 3****040471**

Topics are from multivariable calculus and include partial derivatives, multiple integrals and calculus of vector functions. **This course is paired with Honors Differential Equations.**

*Prerequisite:* Successful completion of AP Calculus BC with a B or better.

**Grade Level:** 9, 10, 11, 12    **Status:** Meets requirement    **Duration:** 1 semester

**HONORS DIFFERENTIAL EQUATIONS****040541**

Topics include first order, linear, or homogeneous differential equations and systems; the Laplace transform; boundary value problems; series and numerical solutions; and nonlinear systems. **This course is paired with Honors Calculus 3.**

*Prerequisite:* Successful completion of AP Calculus BC with a B or better.

**Grade Level:** 9, 10, 11, 12    **Status:** Meets requirement    **Duration:** 1 semester

**PROBABILITY/STATISTICS****040501/040502**

This course offers a study of statistical methods and would be of use for any student planning to pursue professional study in medicine, biology, sociology, psychology, economics, or business. The content includes permutations, combinations, axiomatic probability, organizing and reporting data, binomial and normal distributions, sampling distributions, hypothesis testing, and confidence intervals.

*Prerequisite:* Successful completion of Algebra 3-4 with a B or better or teacher permission.

**Grade Level:** 9, 10, 11, 12    **Status:** Meets requirement    **Duration:** 2 semesters



**AP STATISTICS****040841/040842**

This is a course in statistics that covers the topics in the syllabus published by the College Board. College credit and placement depend on the individual college. This statistics class will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data, Planning a Study, Anticipating Patterns, and Statistical Inference. This course is equivalent to a one-semester, introductory, non-calculus based college course in statistics. **All students enrolled in an AP course are required to take either the CollegeBoard AP exam in May or an AP Alternative Assessment (exam) approved by OPS. Both exams are cumulative and cover the content of the AP curriculum. Non-seniors must be enrolled concurrently with Calculus (AB or BC or H Calculus 3).**

*Prerequisite:* Successful completion of Honors Pre-Calculus/Trigonometry with a B or better or teacher permission.

**Grade Level:** 9, 10, 11, 12      **Status:** Meets requirement      **Duration:** 2 semesters

**CONSUMER MATH****040681/040682**

This course is designed to help students develop an understanding of the reasons for and the benefits derived from taxes, the services available from banks and other lending institutions, the workings of insurance, and the basic concepts of consumer credit. The skills obtained in this course will help students become mathematically knowledgeable citizens. **This class is not for students who have taken Algebra 3-4, unless placed by math department.**

*Prerequisite:* Teacher recommendation.

**Grade Level:** 12      **Status:** Meets requirement      **Duration:** 2 semesters

# MILITARY SCIENCE

**JROTC MISSION - “To motivate young people to become better citizens.”**

## **JROTC OBJECTIVE**

- **Educate students to succeed in high school and life beyond high school.**
- **Build teamwork – stress seven values through a simple acronym for leadership: (LDRSHIP) – Loyalty, Duty, Respect, Selfless service, Honor, Integrity, and Personal courage.**
- **Challenge students to make goals in life, to make a plan to attain those goals, and to provide direction as required so students achieve their goals.**
- **Provide students with leadership responsibilities and opportunities as members of the class.**
- **Conduct hands-on interactive learning and most importantly, have fun doing so**

## **J ROTC 1-2 – LEADERSHIP EDUCATION AND TRAINING (LET 1) THE EMERGING LEADER**

**070811/070812**

The JROTC program is designed to help develop strong leaders and model citizens. First year Cadets will be introduced to **JROTC Foundations** the mission of the program and how it helps prepare you for personal success and active citizenship. **Personal Growth and Behaviors** focuses on your behavioral preferences, interpersonal skills and strategies to help build your personal success in the classroom, the JROTC program, and your community. **Team Building** introduces you to the discipline and structure of military drill. Your individual role responding to commands and moving with precision is essential when participating in drill exercises at future competitions or community events. **Decision Making** introduces you to a process and system for addressing goals and handling conflict, both internal and with others. **Health and Fitness** looks at stress and its effect on your health. Physical fitness is one effective strategy for maintaining health and is an essential component of the JROTC program. **Service Learning** you will learn the features and benefits of service learning for your community, yourself, and your program. This course is also a substitute course for physical education.

**Prerequisite:** None

**Grade Level:** 9, 10, 11, 12

**Status:** Meets PE Requirement

**Duration:** 2 semesters

**Notes:** All enrolled cadets are required to wear the Army Junior ROTC uniform at least once a week, during the school day, or, as specified by the Senior Army Instructor. All cadets are required to participate in the Junior ROTC physical fitness program and other activities. This course counts as a physical education credit.

## J ROTC 3-4 – LEADERSHIP EDUCATION AND TRAINING (LET 2)

070821/070822

### THE DEVELOPING LEADER

The JROTC program is designed to help develop strong leaders and model citizens. As a second-year Cadet you'll continue to build on LET I knowledge and skills and find yourself being introduced to new content that will help you develop as a leader in the program, your school, and community. The new knowledge, skills, and abilities you will acquire your second year: **Leadership** introduces you to the elements, attributes, competencies and styles that leaders strive to use and develop within teams. You will learn to recognize the importance of leadership in setting goals and improving results. **Personal Growth and Behaviors** will continue to build on LET 1 competencies, while focusing on who you are and what you stand for. You'll work on strengthening communication skills essential in all walks of life. **Team Building** continues to build on drill and ceremony protocol. In LET 2, you will look at the attributes of a drill leader and the types of drill commands to oversee a team or squad leader. **First Aid** provides you with an introduction to first aid for emergencies and common injuries. As a leader, you may encounter a situation where first aid knowledge is necessary. **Decision Making** will expose you to the reality of bullying. You'll learn about the types of bullying and intervention strategies to help deter or prevent violence in schools. **Health and Fitness** is a necessary element of the JROTC program. All Cadets are required, as they are able, to participate in the Cadet Challenge physical fitness competition. You will look more closely at the elements of good health, including nutrition and what you eat, exercise, and sleep. Your choice to pursue a healthy lifestyle can be contagious to your peers and is the mark of leadership. **Service Learning** is a required component of the JROTC program. In Leadership Education Training (LET) 2, you will participate in service learning and evaluate its effectiveness. **Citizenship and Government** will encourage you to evaluate the important aspects of a democratic government and the rights of citizens, as introduced and interpreted in the U.S. Constitution. This course is also a substitute course for physical education.

*Prerequisite: Successful completion of J ROTC 1-2. (LE*

*Grade Level: 10, 11, 12*

*Status: Meets PE Requirement*

*Duration: 2 semesters*

*Notes: All enrolled cadets are required to wear the Army Junior ROTC uniform at least once a week, during the school day, or, as specified by the Senior Army Instructor. All cadets are required to participate in the Junior ROTC physical fitness program and other activities. This course counts as a physical education credit.*

## J ROTC 5-6 LEADERSHIP EDUCATION AND TRAINING III (LET 3)

070831/070832

### THE SUPERVISING CADET

The JROTC program is designed to help develop strong leaders and model citizens. As a third-year Cadet, you'll continue to build on LET I and II knowledge and skills and find yourself being introduced to new content that will help you develop your supervisory skills and abilities. The knowledge, skills, and abilities you will acquire this year: **Leadership** learning experiences provide you with opportunities to supervise others, make leadership decisions, and assess your own management style. You will learn to take on more responsibilities in your battalion by working on project plans and continuous improvement. **Personal Growth and Behaviors** will help prepare you for necessary decisions about your future education. You'll explore the education requirements of your desired career goals and research how to financially obtain them. You'll learn time management strategies, essential skills in all leaders. **Team Building** continues to build on drill and ceremony protocol. You will analyze the duties of a platoon leader or sergeant and focus on the skills and abilities for executing platoon drills. **Decision Making** will help expose you to the common stereotypes, relationship conflicts, and prejudice of our society. You'll explore strategies for neutralizing prejudice in your own relationships and how to develop negotiating strategies to help others resolve conflicts. **Health and Fitness** will focus on the troubling effects of drugs, tobacco, and alcohol on today's society. You'll identify substance abuse behaviors and its impact on health and learn strategies for responding appropriately to abusers. **Service Learning** you will move from participating and evaluating service-learning projects to playing a key role in service learning planning and implementation. **Citizenship and Government** will look more deeply at the definition of a citizen and your responsibility and role as a contributing member of a strong community. An Honors Course is available to selected cadets with instructor permission.

*Prerequisite: Successful completion of J ROTC 3-4 (LET 2)*

*Grade Level: 11, 12*

*Status: Meets PE Requirement*

*Duration: 2 semesters*

*Notes: All enrolled cadets are required to wear the Army Junior ROTC uniform at least once a week, during the school day, or, as specified by the Senior Army Instructor. All cadets are required to participate in the Junior ROTC physical fitness program and other activities. This course counts as a physical education credit.*

## JROTC 7-8 LEADERSHIP EDUCATION AND TRAINING IV (LET 4)

070841/070842

### THE MANAGING LEADER

The JROTC program is designed to help develop strong leaders and model citizens. As a fourth-year Cadet, you'll continue to build on the LET I-III knowledge and skills and find yourself being introduced to new content that will help you continue to lead others in your battalion. The knowledge, skills, and abilities you will acquire your senior year: **Leadership** learning experiences provide you with a unique opportunity to look at the role of leadership in continuous improvement. You'll take a look at the big picture of the JROTC program and how its outcomes relate to leadership. Additionally, you'll explore strategies for teaching and mentoring others. **Personal Growth and Behaviors** continues to help you think and plan for your future with topics such as personal independence, the importance of personal accountability, and professional development. **Team Building** continues to build on drill and ceremony protocol. You will look at the tactics for motivating others and how they translate into other areas of leadership. Additionally, you'll explore the elements of a communication model and how to overcome barriers of communication. In **Service Learning** you will manage a service-learning project within a unit or the entire battalion. You'll be introduced to project management processes and management tools. **Citizenship and Government** exposes you to the challenges that face fundamental principles of society today. You will discuss topics to encourage you, as a citizen, to think about the future of citizen rights. Leadership laboratories for the practical application of learning are a key part of the course. An Honors Course is available for selected students with instructor permission

**Prerequisite:** Successful completion of J ROTC 5-6 (LET 3)

**Grade Level:** 12

**Status:** Meets PE Requirement

**Duration:** 2 semesters

**Notes:** All enrolled cadets are required to wear the Army Junior ROTC uniform at least once a week, during the school day, or, as specified by the Senior Army Instructor. All cadets are required to participate in the Junior ROTC physical fitness program and other activities. This course counts as a physical education credit.

## BEGINNING MARKSMANSHIP 1-2

070781/070782

Detailed instruction in the art of precision rifle marksmanship and safety under the supervision of instructors certified in the Civilian Marksmanship Program and Safety Certified by U.S. Army Cadet Command. This is instruction in Olympic style marksmanship techniques and competition. Small caliber Air Rifles are used in this instruction. Students must be mature, highly motivated, dedicated, and self-disciplined. Students in this course will be expected to participate as members of the Varsity or Junior Varsity Marksmanship Teams.

**Prerequisite:** Must be enrolled in a JROTC LET course.

**Grade Level:** 10, 11, 12

**Status:** Elective

**Duration:** 2 semesters

## INTERMEDIATE MARKSMANSHIP 3-4

071051/07052

Detailed instruction in the art of precision rifle marksmanship and safety under the supervision of instructors certified in the Civilian Marksmanship Program and Safety Certified by U.S. Army Cadet Command. This is instruction in Olympic style marksmanship techniques and competition. Small caliber Air Rifles are used in this instruction. Students must be mature, highly motivated, dedicated, and self-disciplined. Students in this course will be expected to participate as members of the Varsity or Junior Varsity Marksmanship Teams.

**Prerequisite:** Must be enrolled in a JROTC LET course.

**Grade Level:** 10, 11, 12

**Status:** Elective

**Duration:** 2 semesters

## ADVANCED MARKSMANSHIP 5-6

070791/070792

This is a continuation of the Beginning Marksmanship Course. Further individualized detailed instruction in precision rifle marksmanship techniques. The focus is on developing a precision expert marksman. This is instruction in Olympic style marksmanship techniques and competition. Small caliber Air Rifles are used in this instruction. Students must be mature, highly motivated, dedicated, and self-disciplined. Students in this course will be expected to participate as members of the Varsity or Junior Varsity Marksmanship Teams.

**Prerequisite:** Must be enrolled in a JROTC LET/ Course Requires Instructor Permission

**Grade Level:** 11, 12

**Status:** Elective

**Duration:** 2 semesters

**BASIC COLOR GUARD 1-2****220440/220441**

This is an Intermediate Class in U.S. Army Regulation Drill. Students taking this course will receive instruction in the history and purpose of Regulation Drill, and its application in the organization and conduct of Color Guard Drill, Regulation Unarmed, and Armed Drill, and Drill with Sabers. Emphasis will be on learning the finer details of drill to prepare for ceremonies, exhibition and competition, and to prepare cadets to become drill team commanders. Students taking this course will be expected to participate as members of JROTC Color Guard and Drill Teams which will require before and after school practices and attendance at scheduled drill team competition events on weekends.

**Prerequisite:** *Must be enrolled in a JROTC LET course*

**Grade Level:** 10, 11      **Status:** Elective      **Duration:** 2 semesters

**INTERMEDIATE COLOR GUARD 3-4****220441/220442**

This is an Advanced Class in U.S. Army Regulation Drill. Students taking this course will receive instruction in the history and purpose of Regulation Drill, and its application in the organization and conduct of Color Guard Drill, Regulation Unarmed, and Armed Drill, and Drill with Sabers. Emphasis will be on learning the finer details of drill to lead ceremonies, exhibition and competition, and to prepare other cadets to become drill team commanders. Students taking this course will participate as members of JROTC Color Guard and Drill Teams which will require before and after school practices and attendance at scheduled drill team competition events on weekends.

**Prerequisite:** *Must be enrolled in a JROTC LET course / Course Requires Instructor Permission*

**Grade Level:** 11, 12      **Status:** Elective      **Duration:** 2 semesters

**COLOR GUARD 5-6****070631/070632**

This is an Advanced Class in U.S. Army Regulation Drill. Students taking this course will receive instruction in the history and purpose of Regulation Drill, and its application in the organization and conduct of Color Guard Drill, Regulation Unarmed, and Armed Drill, and Drill with Sabers. Emphasis will be on learning the finer details of drill to lead ceremonies, exhibition and competition, and to prepare other cadets to become drill team commanders. Students taking this course will participate as members of JROTC Color Guard and Drill Teams which will require before and after school practices and attendance at scheduled drill team competition events on weekends.

**Prerequisite:** *Must be enrolled in a JROTC LET course / Course Requires Instructor Permission*

**Grade Level:** 11, 12      **Status:** Elective      **Duration:** 2 semesters

*If you complete three or more years of junior ROTC, you may be able to enter the Army as an **E-3 private first class**. Those completing two or more years of post-secondary vocational-technical training, with a certificate of completion, also qualify for Army enlistment at E-3. New 2020.*

*\*\* Archery may be offered as well in marksmanship class in SY 21-22. Guidance forthcoming from Cadet Command in a Cadet Comm\*1 and Circular. All the schools have equipment*



# MUSIC

**NOTE:** Participation in any performing ensemble listed includes mandatory attendance at all rehearsals/concerts scheduled outside school hours. It is the student's responsibility to check activity schedules with the director of the ensemble prior to enrolling. Concert attire for each group will be specified in the course syllabus.

## TREBLE CHORUS

**190311/190312**

This course is open to all girls who wish to participate in a choral class of treble voices. Basic vocal concepts are stressed through literature that is appropriate for soprano and alto voices. Performance opportunities are included as an extension of the classroom activities.

*Prerequisite: None*

**Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

## MEN'S CHORUS

**191061/191062**

This course is open to 9-12<sup>th</sup> graders who wish to participate in male chorus. Basic vocal concepts are stressed through literature that is appropriate for tenor and bass voices. Performance opportunities are included as an extension of the classroom activities including concerts and contests in the Omaha area.

*Prerequisite: None*

**Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

## CONCERT CHOIR

**190281/190282**

This course is the principal performing choral organization of each high school. Students will rehearse and perform music of all musical periods of history in both accompanied and unaccompanied styles. Performance usually includes fall, winter and spring concerts as well as the All-City Music Festival. Membership is selected by audition. All members must audition each year.

*Prerequisite: Audition*

**Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

## HONORS CONCERT CHOIR

**190351/190352**

This course is the principal performing choral organization of each high school. Students will rehearse and perform music of all musical periods of history in both accompanied and unaccompanied styles. Performance usually includes fall, winter and spring concerts as well as the All-City Music Festival. Membership is selected by audition. Advisors guide the students in developing written plans for earning honors credit.

*Prerequisite: Audition*

**Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

## HONORS SWING CHOIR "EXPLOSION!"

**190331/190332**

This course is the principle swing choir of each high school. These advanced choral ensembles, which usually consist of three to five mixed, equally balanced quartets, are available by audition to students who are simultaneously enrolled in one of the school's principal choral organizations. One of the primary functions of these groups is to serve as "ambassadors" for the school. Choreographed routines and frequent performance, often requiring time outside of school, must be a student's consideration for enrollment. (Students are expected to take this course for the full year). **Students must be concurrently enrolled in Honors Concert Choir.**

*Prerequisite: Audition*

**Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

## VOICE

190341/190342

This course is offered to introduce students to private and small group instruction. Fundamental vocal technique, vocal performance, and solo literature are emphasized. Some type of performance is usually available through student recitals and various programs. **Students must be concurrently enrolled in a concert choir course.**

*Prerequisite:* Audition or teacher permission.

**Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

## HONORS JAZZ BAND

190631/190632

This course is a high school instrumental ensemble comprised of advanced instrumental students. Various jazz rudiments and improvisation techniques are introduced through a variety of jazz and popular styles of music. Additional assignments and performances may be required for Honors credit.

*Prerequisite:* Audition

**Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

## CONCERT BAND

190621/190622

This course is considered the principal performing band in the high school instrumental music curriculum. Students will rehearse and perform standard band literature designed to strengthen basic musicianship and instrumental technique. Membership is by audition. In the senior high school, the Concert Band also serves as the nucleus for the marching band program as a part of the first semester's activities. Other performances include fall, winter and spring concerts as well as the All-City Music Festival. **First semester meets PE graduation requirements.**

*Prerequisite:* Audition

**Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

## PREP BAND

190571/190572

This course is intended for high school students with previous instrumental experience but have yet to sharpen their skills sufficiently for membership in the concert band. Appropriate band literature including "method" studies that encourage the development of instrumental technique is rehearsed and performed. In the senior high school, prep band members may all be included in the marching band activities. **First semester meets PE graduation requirements.**

*Prerequisite:* Audition

**Grade Level:** 9      **Status:** Elective      **Duration:** 2 semesters

## HONORS SYMPHONIC BAND

190652

This course is considered the principal performing band for high school instrumental music curriculum. Students will rehearse and perform standard band literature designed to strengthen basic musicianship and instrumental technique. In the senior high school, the Concert Band also serves as the nucleus for the marching band program as a part of the first semester's activities. Other performances include fall, winter and spring concerts as well as the All-City Music Festival. Additional assignments and performances will be required for Honors credit.

*Prerequisite:* Audition

**Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 1 semester

## INSTRUMENTAL ENSEMBLE

190811/190812

This course is designed to introduce students to literature composed for a variety of small instrumental ensembles. Individual growth is encouraged through recital opportunities. The ensembles may include instrumental solos, duets, trios and quartets, clarinet choir, woodwind choir, string ensembles, brass ensembles and percussion ensembles. Performance may be required as an extension of classroom activities.

*Prerequisite:* Previous stringed instrumental music experience.

**Grade Level:** 9      **Status:** Elective      **Duration:** 2 semesters

## **ORCHESTRA**

**190851/190852**

This course includes the rehearsal and performance of outstanding symphonic literature from the representative periods of music history. This literature provides for the development of both individual and ensemble skills. Performances include all fall, winter, and spring concerts as well as the All-City Music Festival. Membership is by audition.

*Prerequisite: Previous stringed instrumental music experience.*

**Grade Level:** 9                      **Status:** Elective                      **Duration:** 2 semesters

## **HONORS ORCHESTRA**

**190791/190792**

This course includes the rehearsal and performance of outstanding symphonic literature from the representative periods of music history. This literature provides for the development of both individual and ensemble skills. Performances include all fall, winter, and spring concerts as well as the All-City Music Festival. High school orchestra members also participate as a pit orchestra for the production of a school's Broadway musical. Additional assignments and performances will be required to earn Honors credit.

*Prerequisite: Audition*

**Grade Level:** 9, 10, 11, 12                      **Status:** Elective                      **Duration:** 2 semesters

## **AP MUSIC THEORY**

**191521/191522**

This AP Music Theory course is designed to develop aural, performance, composition and theoretical knowledge skills of students to levels beyond the high school level. Students are encouraged to progress to be able to take the AP exam during fourth quarter. **All students enrolled in an AP course are required to take either the CollegeBoard AP exam in May or an AP Alternative Assessment (exam) approved by OPS. Both exams are cumulative and cover the content of the AP curriculum.**

*Prerequisite: Previous music experience.*

**Grade Level:** 9, 10, 11, 12                      **Status:** Elective                      **Duration:** 2 semesters

# PHYSICAL EDUCATION

**NOTE:** Each Physical Education class can only be taken one time to meet the graduation requirements. Students may repeat courses for elective credit if space is available and with teacher permission. All classes will be teaching the OPS Health and Fitness Profile and Content Standard #2 curriculum. All students must wear proper attire for Physical Education classes.

## **PHYSICAL EDUCATION 1-2**

**070181/070182**

This course involves students in the development of personal fitness and participation in a variety of sports, games, and dance activities.

*Prerequisite:* None

*Grade Level:* 9

*Status:* Meets requirement

*Duration:* 2 semesters

## **WEIGHT TRAINING AND CONDITIONING 1-2**

**070261/070262**

This course provides instruction in proper techniques using free weights and machines, as well as other fitness activities, to improve strength, flexibility and aerobic capacity.

*Prerequisite:* None

*Grade Level:* 10, 11, 12

*Status:* Meets requirement

*Duration:* 2 semesters

## **ADVANCED WEIGHT TRAINING AND CONDITIONING**

**070281/070282**

This is a second year class that expands instruction in strength, flexibility and aerobic training.

*Prerequisite:* Successful completion of Weight Training and Conditioning 1-2 with a B or better.

*Grade Level:* 11, 12

*Status:* Meets requirement

*Duration:* 2 semesters

## **LIFETIME WELLNESS 1-2**

**070191/070192**

Students will learn about health and nutrition. Knowledge of lifetime wellness and fitness will be covered and emphasized. Activities include but are not limited to: walking, toning, fitness concepts and technology, and orienteering. District mandated Fitnessgram will be administered in pre and posttest form.

*Prerequisite:* None

*Grade Level:* 10, 11, 12

*Status:* Meets requirement

*Duration:* 2 semesters

## **LIFETIME SPORTS 1-2**

**070391/070392**

This course provides instruction in activities that students may participate in throughout their lives. These may include: archery, badminton, bowling, golf, ultimate Frisbee, volleyball, softball, tennis, and fitness development. Aquatics are included where facilities permit.

*Prerequisite:* None

*Grade Level:* 10, 11, 12

*Status:* Meets requirement

*Duration:* 2 semesters

## **AEROBICS**

**070451/070452**

This course provides class activities designed for improvement in cardio respiratory endurance, flexibility, and muscular development. Activities may include jogging, power walking, water exercise, step aerobics, line dancing, physical fitness, goal-setting and nutritional planning.

*Prerequisite:* None

*Grade Level:* 10, 11, 12

*Status:* Meets requirement

*Duration:* 2 semesters

**TEAM SPORTS****070471/070472**

This course will consist of instruction in rules, strategies, skills, and sportsmanship concepts. Activities may include: flag football, soccer, volleyball, basketball, team handball, softball, and floor hockey. A fitness unit will be taught.

*Prerequisite: None*

*Grade Level: 10, 11, 12*

*Status: Meets requirement*

*Duration: 2 semesters*

**PE LEADERSHIP****070381/070382**

This co-ed course is ideal for the student athlete who wants to seriously train for high school sports. This course will teach student athletes the proper way to train and the leadership skills which are essential in becoming leaders in the school and out in the community. Physical activities will incorporate balance, neuromuscular coordination, improving basic running technique, various methods of strength training, and flexibility. The goal is to focus on an individual's strengths and weaknesses and to enhance their sport performance and overall athleticism through speed, strength, and movement training. Classroom activities will incorporate nutrition, sport psychology, lessons in leadership, and goal setting. The course will also include a minimum of 8 hours of community service as a component of the class. Seniors taking this class who are in a fall sport will only be allowed to take this course during 1st semester.

*Prerequisite: None*

*Grade Level: 9, 10, 11, 12*

*Status: Meets requirement*

*Duration: 2 semesters*

**UNIVERSITY SEMINAR****181119**

This course serves as a transition course for students preparing for post-secondary education and helps students better negotiate the rigors of college adjustment. Students complete career exploration and college preparation assignments. The course provides introductory campus experiences to ready students for the challenges of college life.

*Prerequisite: None*

*Grade Level: 9, 10, 11, 12*

*Status: Elective*

*Duration: 1 semester*

**HUMAN GROWTH****070931**

This course helps senior high students acquire responsible decision-making skills related to wellness, communication skills, healthy relationships, preventing abuse, chemical usage, sexuality, prenatal care, etc. All senior high school students are required to enroll in one of the Human Growth and Development courses, but a parent/guardian may choose to opt out his/her student.

*Prerequisite: None*

*Grade Level: 10*

*Status: Meets requirement*

*Duration: 1 semester*

# PRECISION MACHINING

## **INDUSTRIAL MATERIALS AND PROCESSES 1-2**

**170331/170332**

This course provides the opportunity for students to learn how to use hand tools and power equipment. Students will construct, assemble, and complete products using many materials and processes that permit better understanding of construction and manufacturing techniques. Projects are constructed using wood, metals, and plastics. **This course requires students to pass safety tests for each unit.** Without a passing grade on these tests, students cannot participate in labs and will receive a score of 0 on assignments in that unit that require the skills on the test.

*Prerequisite: None*

**Grade Level:** 9, 10, 11, 12

**Status:** Elective

**Duration:** 2 semesters

## **PRECISION MACHINING PATHWAY**

### **MACHINE TOOL 1-2**

**171971/171972**

This course introduces machines, tools, and processes associated with the machine trade. It covers fundamentals in bench layout, metal removal processes, drill presses, horizontal and vertical saws. Students will construct basic machine projects using various pieces of shop equipment including all precision measuring tools, milling machines, engine lathes, drill presses and surface grinders. Students focus on safety as well as setup and accuracy of completed projects. This course is dual enrolled for college credit.

*Prerequisite: Acceptance to Precision Machining Pathway through application process.*

**Grade Level:** 10, 11, 12

**Status:** Elective

**Duration:** 2 semesters

### **MACHINE TOOL 3-4**

**171981/171982**

Students construct advanced projects using various pieces of shop equipment including milling machines, engine lathes, drill presses and grinders. Students focus on safety as well as setup and accuracy of completed project. This course is dual enrolled for college credit.

*Prerequisite: Successful completion of Machine Tool 1-2 with a C or better.*

**Grade Level:** 11, 12

**Status:** Elective

**Duration:** 2 semesters

### **PRINCIPLES OF MACHINING 1**

**171961**

Students learn machine safety, metrology, and metallurgy along with basic machine principles related to hole making bench work and layout. This course is dual enrolled for college credit.

*Prerequisite: Acceptance to Precision Machining Pathway through application process.*

**Grade Level:** 10, 11, 12

**Status:** Elective

**Duration:** 1 semester

### **MECHANICAL BLUEPRINT READING 2**

**170382**

This course develops the skills required for visualizing and interpreting industrial prints and freehand technical sketching. Topics include identifying prints, drafting and print-reading procedures, machining specifications, geometric dimensioning, and applied mathematics. This course is dual enrolled for college credit.

*Prerequisite: Acceptance to Precision Machining Pathway through application process.*

**Grade Level:** 10, 11, 12

**Status:** Elective

**Duration:** 1 semester



**CNC MANUFACTURING 1-2****171991/171992**

This course introduces Computer Numerical Control (CNC) machines with emphasis on machine setup and operation of the CNC mill and CNC lathe. Students spend time learning and writing basic G-Code functions needed for straight-line milling, hole-making, tapping, and engraving. This course introduces CAD/CAM software, focusing on geometry creation, drawing of 2-D parts, saving programs, tool paths, creating lines and arcs, and bolt circles.

**Prerequisite:** Successful completion of CAD Design/Engineering 1-2 with a C or better.

**Grade Level:** 12      **Status:** Elective      **Duration:** 2 semesters

**CAD DESIGN/ENGINEERING 1-2****170211/170212**

This course will introduce the student to basic drafting skills, technology, and introductory applications of graphic communications: the development of visualization skills, sketching, and the use of software programs used in computer-aided drafting (CAD).

**Prerequisite:** Successful completion of Algebra 1-2.

**Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

# SCIENCE

*\*Students develop cognitively, socially and emotionally along different time and interest continuums. For students who are willing and interested in advanced coursework, but do not meet the course prerequisites, an exception may be requested through a conversation involving staff, parents/guardians, and the student.*

## **PHYSICAL SCIENCE 1-2**

**060501/060502**

Physical Science is an inquiry-based course designed to expose students to selected concepts in chemistry, physics, earth, and space science. Topics include matter, energy, forces and motion; Earth in space, and Earth structures and processes. This course provides a foundation for other science courses and meets the district requirement for physical science.

*Prerequisite: None*

**Grade Level:** 9

**Status:** Meets requirement

**Duration:** 2 semesters

## **HONORS PHYSICAL SCIENCE 1-2**

**060531/060532**

Physical Science is an inquiry-based course designed to expose student to selected concepts in chemistry, physics, earth, and space science. Topics include matter, energy, forces and motion, Earth in space, and Earth structures and processes. This course provides a foundation for other science courses and meets the district requirement for physical science. Students enrolled in honor courses have additional experiences that require a more rigorous program of student.

*Prerequisite: Successful completion of Science 8 1-2 with B or better and concurrent enrollment in Algebra 1-2 or higher math course or MAP Math Score at or above score determined by District Math and MAP Science score at or above a score determined by District Science.*

**Grade Level:** 9

**Status:** Meets requirement

**Duration:** 2 semesters

## **BIOLOGY 1-2**

**060411/060412**

This course engages students in inquiry-based problem solving as they investigate biological issues that are relevant to their daily lives. Topics of study include the cell; the molecular basis of heredity; biological evolution; the interdependence of organisms; and the matter, energy, and organization in living systems. This course meets the district requirement for biology.

*Prerequisite: None*

**Grade Level:** 10

**Status:** Meets requirement

**Duration:** 2 semesters

## **HONORS BIOLOGY 1-2**

**060431/060432**

This course engages students in inquiry-based problem solving as they investigate biological issues that are relevant to their daily lives. Topics of study include the cell; the molecular basis of heredity; biological evolution; the interdependence of organisms; and the matter, energy, and organization in living systems. This course meets the district requirement for biology. Students enrolled in honors courses will have additional experiences that require a more rigorous program of study.

*Prerequisite: Successful completion of Physical Science 1-2 with an A or Honors Physical Science 1-2 with a B or better, or MAP Science score at or above score determined by District Science.*

**Grade Level:** 10

**Status:** Meets requirement

**Duration:** 2 semesters

**AP BIOLOGY 1-2****060471/060472**

AP Biology is an introductory college-level biology course. Students evaluate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes – energy and communication, genetics, information transfer, ecology, and interactions. **A summer project/writing assignment may be required.** This course is aligned with a dual enrollment opportunity for eligible students. **All students enrolled in an AP course are required to take either the CollegeBoard AP exam in May or an AP Alternative Assessment (exam) approved by OPS. Both exams are cumulative and cover the content of the AP curriculum.**

*Prerequisite:* Successful completion of Honors Science course or AP Physics with B or better and teacher permission.  
*Grade Level:* 11, 12      *Status:* Meets requirement      *Duration:* 2 semesters

**ANATOMY AND PHYSIOLOGY 1-2****060931/060932**

This course enables students to understand the principles and structures of the human body. Students develop an understanding of the structure and function of complex human organ systems through inquiry-based laboratory experiences using up-to-date technology. This course will explore scientific and technological advances in the field of anatomy. Students will also explore career opportunities in medical and related fields. The study and application of vocabulary and terminology is an essential part of this course. Students will incorporate writing and literacy strategies into summative projects. Laboratory dissections are required.

*Prerequisite:* Successful completion of Biology 1-2 and Physical Science 1-2.  
*Grade Level:* 10, 11, 12      *Status:* Elective      *Duration:* 2 semesters

**HONORS ANATOMY AND PHYSIOLOGY 1-2****060911/060912**

This course enables students to understand the principles and structures of the human body. Students develop an understanding of the structure and function of complex human organ systems through inquiry-based laboratory experience using up-to-date technology. This course will explore career opportunities in medical and related fields. The study and application of vocabulary and terminology is an essential part of this course. Students will incorporate writing and literacy strategies into summative projects. Laboratory dissections are required. Students enrolled in honors courses have additional experiences that require a more rigorous program of study.

*Prerequisite:* Successful completion of Honors Biology 1-2 or Honors Physical Science 1-2 with a B or better or teacher permission.  
*Grade Level:* 10, 11, 12      *Status:* Elective      *Duration:* 2 semesters

**CHEMISTRY 1-2****060551/060552**

This course engages students in both theoretical and practical problem solving strategies as they investigate chemical issues that are relevant to their daily lives. Topics of study include laboratory processes, chemical safety, atomic structure, properties of matter and chemical reactions.

*Prerequisite:* Successful completion of Biology 1-2 or Physical Science 1-2 and Algebra 1-2 or concurrent enrollment and teacher permission.  
*Grade Level:* 10, 11, 12      *Status:* Elective      *Duration:* 2 semesters

**HONORS CHEMISTRY 1-2****060561/060562**

This course engages students in both theoretical and practical problem solving strategies as they investigate chemical issues that are relevant to their daily lives. Topics of study include laboratory processes, chemical safety, atomic structure, properties of matter and chemical reactions. Students enrolled in honors courses will have additional experiences that require a more rigorous program of study.

*Prerequisite:* Successful completion of Honors Biology 1-2 or Honors Physical Science 1-2 and Algebra 1-2 with a B or better or teacher permission.  
*Grade Level:* 10, 11, 12      *Status:* Elective      *Duration:* 2 semesters

## AP CHEMISTRY

060581/060582

AP Chemistry provides students with a college-level foundation to support future advanced course work in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Advanced educational credit may be available for students who successfully pass the AP Exam. This course is aligned with a dual enrollment opportunity for eligible students. **All students enrolled in an AP course are required to take either the CollegeBoard AP exam in May or an AP Alternative Assessment (exam) approved by OPS. Both exams are cumulative and cover the content of the AP curriculum.**

*Prerequisite:* Successful completion of Honors Chemistry 1-2 with a C or better or Chemistry with an A or AP Physics with an A and Algebra 3-4 (may be taken concurrently) or teacher permission.

**Grade Level:** 11, 12      **Status:** Elective      **Duration:** 2 semesters

## PHYSICS 1-2

060601/060602

This course engages students in an inquiry-based problem solving approach to investigate the physical laws that are fundamental to all science. Topics of study include motion and technological design, the effects of forces on motion, the origin of the universe, conservation of energy and the interaction of energy and matter.

*Prerequisite:* Successful completion of Biology 1-2 or Physical Science 1-2 and Algebra 1-2 or concurrent enrollment and teacher permission.

**Grade Level:** 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

## HONORS PHYSICS 1-2

060631/060632

This course engages students in an inquiry-based problem solving approach to investigate the physical laws that are fundamental to all science. Topics of study include motion and technological design; the effects of forces on motion, the origin of the universe, conservation of energy, interaction of energy and matter, wave and optics. This course meets the district requirement for physics. Students enrolled in honors courses will have additional experiences that require a more rigorous program of study. The goal is to teach the student how to mathematically manipulate the equations for mastery understanding and application to any physics problem. **Concurrent enrollment in H Algebra 3-4 or higher is required.**

*Prerequisite:* Successful completion of Geometry 1-2 with a B or better or teacher permission.

**Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

## PLANTS/PROPAGATION

061401

This course will offer a survey of the plant kingdom with an emphasis on the structure and function of higher plants. Students will be required to design and conduct a research project on plant growth. Fundamentals of plant propagation will be introduced and implemented.

*Prerequisite:* Successful completion of Biology 1-2 (or concurrent enrollment) or Physical Science 1-2.

**Grade Level:** 10, 11, 12      **Status:** Elective      **Duration:** 1 semester

## HONORS ENVIRONMENTAL SCIENCE 1-2

060371/060372

Environmental Science will allow the student to develop insights and skills needed to make decisions regarding the environment. The class will provide the student basic knowledge on ecosystems and how they work. In addition, the student will learn how they affect the environment, what they can do to use the environment wisely, and preserve what was left. This course will include hands-on experience, simulations, and outside activities. In the end, the student will learn about the world they live in. Students enrolled in honors courses have additional experiences that require a more rigorous program of study.

*Prerequisite:* Successful completion of Biology 1-2 (or concurrent enrollment) or Physical Science 1-2.

**Grade Level:** 10, 11, 12      **Status:** Elective      **Duration:** 1 or 2 semesters

## FOOD CHEMISTRY

061551

This course is a one semester introduction to food science. Food Chemistry applies both chemical and biological concepts to a familiar topic: food. Food scientists use the scientific method to conduct laboratory experiments involving food. This growing field involves the production, processing, evaluation and utilization of food. *This is not a food preparation course*, however, the relations between food and nutrition are explored. Critical reasoning skills, writing and laboratory skills are developed through measuring, recording and graphing data, evaluating laboratory results and writing laboratory reports.

*Prerequisite:* Successful completion of Physical Science 1-2.

**Grade Level:** 10, 11, 12    **Status:** Elective    **Duration:** 1 semester

## HONORS ZOOLOGY

060331

This course is a one semester introduction to animal diversity. Honors Zoology engages students in the study of animal life to include their anatomy, interrelationships, physiology, genetics, distributions and habitats. It focuses on the ways in which animals have adapted to the often difficult environments they inhabit, how they live, find food, and reproduce. Laboratory research skills and advanced microscope techniques are developed.

*Prerequisite:* Successful completion of Biology 1-2 and Physical Science 1-2 with a C or better.

**Grade Level:** 11, 12    **Status:** Elective    **Duration:** 1 semester

No

## AP PHYSICS 1

060661/061662

Advanced Placement Physics 1 is a year-long course that is the equivalent to a first semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric fields and circuits. This course is aligned with a dual enrollment opportunity for eligible students. **All students enrolled in an AP course are required to take either the CollegeBoard AP exam in May or an AP Alternative Assessment (exam) approved by OPS. Both exams are cumulative and cover the content of the AP curriculum.**

*Prerequisite:* Successful completion of Physical Science 1-2, Algebra 1-2, and Geometry 1-2 (or concurrent enrollment).

*Concurrent enrollment or successful completion of Biology 1-2 is recommended.*

**Grade Level:** 9, 10, 11, 12    **Status:** Elective    **Duration:** 2 semesters

## AP PHYSICS 2

061671/061672

Advanced Placement Physics 2 is a year-long course that is the equivalent to a second semester college course in algebra-based physics. The course covers fluid mechanics, thermodynamics, electricity and magnetism, optics, relativity, particle physics, and nuclear physics. Advanced educational credit may be available for students who successfully pass the AP Exam. This course is aligned with a dual enrollment opportunity for eligible students but does not include a lab component. **All students enrolled in an AP course are required to take either the CollegeBoard AP exam in May or an AP Alternative Assessment (exam) approved by OPS. Both exams are cumulative and cover the content of the AP curriculum.**

*Prerequisite:* Successful completion of AP Physics 1.

**Grade Level:** 9, 10, 11, 12    **Status:** Elective    **Duration:** 2 semesters

## AP ENVIRONMENTAL SCIENCE

060361/060362

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet there are several major unifying constructs, or themes, that cut across the many topics included in the study of environmental science. This course is aligned with a dual enrollment opportunity for eligible students. **All students enrolled in an AP course are required to take either the CollegeBoard AP exam in May or an AP Alternative Assessment (exam) approved by OPS. Both exams are cumulative and cover the content of the AP curriculum.**

*Prerequisite:* Successful completion of 2 years of science courses. Honors Chemistry is highly recommended.

**Grade Level:** 11, 12    **Status:** Elective    **Duration:** 2 semesters

**ASTRONOMY****060801**

Astronomy is a study of the objects in the night sky, their size, motions, composition, and relation to one another. Students study the Earth-moon system, diagram objects in the solar system, explore the leading theories for the origin of the universe, and outline the life cycle of a star.

*Prerequisite: None*

**Grade Level:** 9, 10, 11, 12     **Status:** Elective     **Duration:** 1 semester

**HONORS ASTRONOMY****060811**

This course is a study of the objects in the night sky, their size, motions, composition, and relation to one another. Students will study the earth-moon systems, diagram objects in the solar system, explore the leading theories for the origin of the universe, and outline the life cycle of a star. This course is a more in-depth study of the topics in Astronomy. Students will be required to complete and present research-based projects. Students enrolled in honor courses have additional experiences that require a more rigorous program of study.

*Prerequisite: Successful completion of Physical Science 1-2 (or concurrent enrollment), Algebra 1-2 (or concurrent enrollment) and previous math and science courses with a C or better or teacher permission.*

**Grade Level:** 9, 10, 11, 12     **Status:** Elective     **Duration:** 1 semester

**FORENSIC SCIENCE 1-2****061331/061332**

This course promotes active learning and emphasizes the application and integration of math, chemistry, biology, physics, and Earth science. Topics covered include: The collection, handling, and examination of trace evidence such as hair, fibers, soil, pollen, and glass; fingerprint, blood, and blood splatter examination; DNA, drug and toxicology testing; handwriting and tool mark analysis; voice examination; impressions; ballistics, and forensic anthropology.

*Prerequisite: Successful completion of Biology 1-2 and Physical Science 1-2.*

**Grade Level:** 10, 1, 12     **Status:** Elective     **Duration:** 2 semesters

**FORENSIC SCIENCE 3-4****061511/061512**

Forensic Science is a lab-based, hands-on course expands and discusses in greater depth the concepts and skills begun in Forensic Science 1-2 and examines the application of science to investigations pertaining to the legal system. Major themes of study include crime scene analysis forensic science laboratory techniques, arson, explosives, physical trauma, autopsies, advanced DNA concepts, forensic odontology, toxicology, cyber-crimes, and criminal profiling. Forensic Science will cover mature themes related to crimes. This course requires complex reasoning skills, critical thinking skills, and independent study outside of the classroom setting. Forensic Science will cover mature themes related to crimes.

*Prerequisite: Successful completion of Forensic Science 1-2 or instructor permission*

**Grade Level:** 11, 12     **Status:** Elective     **Duration:** 2 semesters

**HONORS ENVIRONMENTAL SUSTAINABILITY****171101/17102**

In ES, students investigate and design solutions in response to real-world challenges related to clean and abundant drinking water, food supply issues, and renewable energy. Applying their knowledge through hands-on activities and simulations, students research and design potential solutions to these true-to-life challenges.

*Prerequisite: None*

**Grade Level:** 10, 11, 12     **Status:** Elective     **Duration:** 1 semester

## MARINE BIOLOGY

060821

The purpose of this course is to provide an overview of the marine environment. Laboratory investigations of selected topics in the content, which also include the use of scientific method, measurement, laboratory apparatus, and safety procedure, are an integral part of this course. The content includes topics such as: the nature of science, the origins of the oceans, chemical, physical, and geological aspects of the marine environment ecology of various sea zones, marine communities, diversity of marine organisms, characteristics of major marine ecosystems, characteristics of major marine phyla/divisions, and the interrelationship between humans and the ocean. This course will provide an introduction to the flora and fauna of the marine environment. Additionally, this course provides opportunities for the students' participation in research, experimentation, dissection, field studies, and decision-making. Selected groups of marine organisms will be used to develop an understanding of biological principles and processes that are basic to all forms of life in the sea. The ocean's role in our climate and weather will be also be discussed as well as the importance of ocean currents and upwelling.

**Prerequisite:** Successful completion of Biology 1-2 and Physical Science 1-2.

**Grade Level:** 10, 11, 12      **Status:** Elective      **Duration:** 1 semester

## H SCIENCE SEMINAR 1-2

060871/060872

This course directly exposes the students to scientific research. Students will independently investigate and develop a science project during the course of the school year. Independent research, problem solving techniques, and the principles of scientific investigation will be studied and applied. Students will be able to enter their projects in local and state level science fairs. Students enrolled in honor courses have additional experiences that require a more rigorous program of study.

**Prerequisite:** None

**Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 2 semester

## INTRO TO MEDICAL TERMINOLOGY 1-2

070611/070612

This course is designed to help students learn medical language by analyzing their components. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions.

**Prerequisite:** None

**Grade Level:** 10, 11, 12      **Status:** Elective      **Duration:** 2 semesters

## UNMC HIGH SCHOOL ALLIANCE

UNMC High School Alliance is a health sciences enrichment program that partners with the University of Nebraska Medical Center (UNMC) and North to offer unique and innovative science classes to high school juniors and seniors. Through the UNMC High School Alliance program, you can discover exactly what it is like. You'll observe, shadow, and take college-level classes from UNMC's doctors, nurses, pharmacists, physical therapists, public health advocates, researchers and other health care professionals. Courses cover a range of health care topics, such as human anatomy, biomedical research, and medical decision-making. Cores offerings and program opportunities are subject to change from year to year.

**Prerequisite:** Must apply and be accepted to the program; refer to Caree Center page for more details.



# PLTW BIOMEDICAL SCIENCES PATHWAY

This is a fantastic pathway to prepare students for ANY career in the medical field, teaching them hands on real world medical skills. Project Lead The Way (PLTW) prepares students to be the most innovative and productive leaders in Science, Technology, Engineering, and Mathematics (STEM) and the make meaningful, pioneering contributions to our world. The sequence of high school courses in the Project Lead The Way (PLTW) Biomedical Sciences program parallels the proven PLTW Engineering program.

## FOUNDATION COURSES

### **PLTW HONORS PRINCIPLES OF BIOSCIENCE**

**061361/061362**

In this course students explore the concepts of molecular biology related to human medicine and are introduced to research processes. Hands-on projects enable students to investigate human body systems and various inheritable and environmental health conditions. By engaging in activities like dissecting a sheep heart, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. The key biological concepts embedded in the curriculum include homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease. Where appropriate, engineering principles are also incorporated. **Concurrent enrollment in Biology 1-2.**

*Prerequisite:* Successful completion of Physical Science 1-2 with a B or better.

**Grade Level:** 9, 10

**Status:** Elective

**Duration:** 2 semesters

### **PLTW HONORS HUMAN BODY SYSTEMS**

**061371/061372**

Students examine the processes, structure and interactions of the human body systems. Using real-world cases, students take the role of biomedical professionals and work together to solve medical mysteries. Hands-on projects include designing experiments, investigating the structures and functions of the body systems and using data acquisition software to monitor body functions such as muscle movement, reflex and voluntary actions and respiratory operation. Important concepts covered in the course are communication, transport of substances, locomotion, metabolic processes, defense, and protection. Through projects such as determining the identity of a skeleton using both forensic anthropology and DNA analysis, students examine the interactions of human body systems and apply what they know to solve real-world medical cases. **Concurrent enrollment in Chemistry 1-2 or Physics 1-2.**

*Prerequisite:* Successful completion of Honors Principles of Bioscience.

**Grade Level:** 10, 11

**Status:** Elective

**Duration:** 2 semesters

**PLTW HONORS MEDICAL INTERVENTIONS****061381/061382**

Students' projects investigate various medical interventions that extend and improve quality of life, including gene therapy, pharmacology, surgery, prosthetics, rehabilitation, and supportive care. Students delve into activities like designing a prosthetic arm as they follow the life of a fictitious family and investigate how to prevent, diagnose, and treat disease.

*Prerequisite:* Successful completion of Honors Human Body Systems.

**Grade Level:** 11, 12

**Status:** Elective

**Duration:** 2 semesters

**CAPSTONE COURSE****PLTW HONORS BIOMEDICAL INNOVATIONS****063191/063192**

This course is the capstone course for the PLTW Biomedical Sciences sequence. Students design innovative solutions for the health challenges of the 21st century. They work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project with a mentor or advisor from a university, hospital, research institution, or the biomedical industry. Throughout the course, students are expected to present their work to an audience of STEM professionals.

*Prerequisite:* Successful completion of Honors Medical Interventions.

**Grade Level:** 12

**Status:** Elective

**Duration:** 2 semesters

# SOCIAL STUDIES

*\*Students develop cognitively, socially and emotionally along different time and interest continuums. For students who are willing and interested in advanced coursework, but do not meet the course prerequisites, an exception may be requested through a conversation involving staff, parents/guardians, and the student.*

## U.S. HISTORY 1-2

030901/030902

This course continues the study of United States history from 1914 to the present. Students address the social, economic, and political development of the nation and relate it to both the past and present. Instruction is organized around the themes of geography, history, economics, culture, and the elements of citizenship. Students investigate these themes using textbooks, newspapers, novels, primary sources, and technology.

*Prerequisite: None*

**Grade Level:** 9

**Status:** Meets requirement

**Duration:** 2 semesters

## HONORS U.S. HISTORY 1-2

030911/030912

This course continues the study of United States History from 1914 to the present. Students address the social, economic, and political development of the nation and relate it to both the past and present. Instruction is organized around the themes of geography, history, economics, culture and the elements of citizenship. Students investigate these themes using textbooks, newspapers, novels, primary sources, and technology. Students are required to research and analyze specific concepts in United States history and relate it to current events. This is a rigorous course designed for motivated students.

*Prerequisite: Successful completion of Social Studies 8 1-2 with a B or better or MAP Reading score at or above score determined by District Social Studies.*

**Grade Level:** 9

**Status:** Meets requirement

**Duration:** 2 semesters

## AP UNITED STATES HISTORY 1-2

030341/030342

This course provides students with the analytical skills and factual knowledge necessary to evaluate issues and themes in United States history, examine historical evidence, and engage in critical writing. This course prepares students for the Advanced Placement American History exam. **All students enrolled in an AP course are required to take either the CollegeBoard AP exam in May or an AP Alternative Assessment (exam) approved by OPS. Both exams are cumulative and cover the content of the AP curriculum. A summer project will be required for this class.**

*Prerequisite: Successful completion of previous honors social studies course with B or better or teacher permission.*

**Grade Level:** 9, 10, 11, 12

**Status:** Meets requirement

**Duration:** 2 semesters

## INTRODUCTION TO ECONOMICS

030461

This course examines the key concepts of economics through the study of the various sectors of the free enterprise market system. Emphasis is given to the role of the citizen in America's market structure.

*Prerequisite: None*

**Grade Level:** 10

**Status:** Meets requirement

**Duration:** 1 semester

## HONORS INTRODUCTION TO ECONOMICS

030481

This course examines the key concepts of economics through study of the various sectors of market systems. Emphasis is given to the role of the citizen in America's market structure. Students are required to research and analyze the structure and function of economics in the United States today. Reading, writing, and activity-based assignments are designed for students who are willing to take on extra academic challenges.

*Prerequisite: Successful completion of previous honors social studies course with B or better or teacher permission.*

**Grade Level:** 10

**Status:** Meets requirement

**Duration:** 1 semester

## HUMAN GEOGRAPHY

031011

What is HUMAN GEOGRAPHY? This course provides an effective method for studying human activities on the Earth's surface. Human interaction with one another and the environment will be studied and analyzed to provide an understanding of the world in which we live. The course is divided into four units: Population & Cultural Geography, Urban Geography, Political Geography, and Economic & Environmental Geography.

*Prerequisite:* None

*Grade Level:* 10

*Status:* Meets requirement

*Duration:* 1 semester

## HONORS HUMAN GEOGRAPHY

031021

Honors Human Geography provides an effective method for asking questions about places on earth and the places' relationships to the people who live there. The geography, economics, history, culture, and human interaction with the environment are studied and analyzed to provide an understanding of the world in which the students live. This course includes more in-depth research and analysis about the relationship between humans and the environment, including political and societal impacts on the world environment. Honors students are expected to have above average writing skills, the ability to keep current with reading assignments, and the motivation to complete all classroom assignments. Concurrent enrollment in Honors English 3-4 is highly recommended.

*Prerequisite:* Successful completion of previous honors social studies course with a B or better or teacher permission.

*Grade Level:* 10

*Status:* Meets requirement

*Duration:* 1 semester

## AP HUMAN GEOGRAPHY

030191/030192

Advanced Placement Human Geography 1-2 introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Topics are defined by the College Board and include geography, population and migration, cultural patterns and processes, political organization of space, agriculture food production and rural land use, industrialization and economic development, and cities and urban land use. **All students enrolled in an AP course are required to take either the CollegeBoard AP exam in May or an AP Alternative Assessment (exam) approved by OPS. Both exams are cumulative and cover the content of the AP curriculum.**

*Prerequisite:* Teacher recommendation

*Grade Level:* 10, 11, 12

*Status:* Meets requirement

*Duration:* 2 semesters

## MODERN WORLD HISTORY

031381/031382

This course explores the culture and history of people from 1000 C.E. to the present. As students examine the choices and decision of the past, they are better able to confront today's problems and choices with a deeper awareness of the alternatives before them and the likely consequences of each.

*Prerequisite:* None

*Grade Level:* 11

*Status:* Meets requirement

*Duration:* 2 semesters

## AP WORLD HISTORY

030421/030422

Advanced Placement World History 1-2 focuses on developing students' understanding of world history from approximately 8000 BCE to the present. Students investigate the content of world history for significant events, individuals, developments, and processes in six historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides five themes (interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures) that students explore throughout the course in order to make connections among historical developments in different times and places encompassing the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania. **All students enrolled in an AP course are required to take either the CollegeBoard AP exam in May or an AP Alternative Assessment (exam) approved by OPS. Both exams are cumulative and cover the content of the AP curriculum.**

*Prerequisite:* Successful completion of previous honors social studies course with a B or better or teacher permission.

*Grade Level:* 11

*Status:* Meets requirement

*Duration:* 2 semesters

## AMERICAN GOVERNMENT

030251

This course addresses the theories and practices that are the basis of our nation's form of government. Students analyze the structure, operations, and functions of local, state, and national government in order to better prepare themselves to practice participatory citizenship as related to their responsibilities and rights as citizens.

*Prerequisite:* None

*Grade Level:* 12

*Status:* Meets requirement

*Duration:* 1 semester

## AP GOVERNMENT AND POLITICS: UNITED STATES

030261

This course introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning assess causes and consequences of political events and interpret data to develop evidence-based arguments. **All students enrolled in an AP course are required to take either the CollegeBoard AP exam in May or an AP Alternative Assessment (exam) approved by OPS. Both exams are cumulative and cover the content of the AP curriculum.**

*Prerequisite:* Successful completion of previous honors social studies course with a B or better or teacher permission.

*Grade Level:* 12

*Status:* Meets requirement

*Duration:* 1 semester

## AP GOVERNMENT AND POLITICS: COMPARATIVE

030262

This course introduces students to the rich diversity of political life outside of the United States. This course uses a comparative approach to examine the political structures; policies; and the political, economic, and social challenges among six selected countries: Great Britain, Mexico, Russia, Iran, China, and Nigeria. Additionally, students examine how different governments solve similar problems by comparing the effectiveness of approaches to many global issues. **All students enrolled in an AP course are required to take either the CollegeBoard AP exam in May or an AP Alternative Assessment (exam) approved by OPS. Both exams are cumulative and cover the content of the AP curriculum.**

*Prerequisite:* Successful completion of previous honors social studies course with a B or better or teacher permission.

*Grade Level:* 10, 11, 12

*Status:* Elective

*Duration:* 1 semester

## PSYCHOLOGY

030491

This course explores the complex nature of human behavior. Emphasis is placed upon the most significant concepts of contemporary psychology as well as how psychologists study behavior.

*Prerequisite:* None

*Grade Level:* 10, 11, 12

*Status:* Elective

*Duration:* 1 semester

## AP PSYCHOLOGY

030641/030642

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. **All students enrolled in an AP course are required to take either the CollegeBoard AP exam in May or an AP Alternative Assessment (exam) approved by OPS. Both exams are cumulative and cover the content of the AP curriculum.**

*Prerequisite:* Successful completion of previous honors social studies course with a B or better or teacher permission.

*Grade Level:* 10, 11, 12

*Status:* Elective

*Duration:* 2 semesters

## SOCIOLOGY

030531

Sociology explores the structure of society from both a historical and contemporary base. Students examine the ways in which people interact with one another. This involves learning about relationships in social institutions, such as the family, and the organization of societies, both locally and globally. The course also deals with vital issues and social concerns, such as the struggle for civil rights, socialization at a young age, adolescent relationships, crime, poverty, and social stratification.

*Prerequisite:* None

*Grade Level:* 10, 11, 12

*Status:* Elective

*Duration:* 1 semester

**AFRICAN AMERICAN HISTORY****030521**

African American History examines the African American experience, including history, culture, contributions, and contemporary issues. Emphasis is placed on the contributions of African Americans in the development of an industrialized United States, as well as their importance in the historical record.

*Prerequisite: None*

*Grade Level: 10, 11, 12*

*Status: Elective*

*Duration: 1 semester*

**OMAHA HISTORY****030711**

Omaha History explores the rich and colorful past of one of America's great cities. From the Native Americans who first settled here, to the diverse ethnic groups who later called this place home. Omaha has possessed a unique, vibrant, and sometimes gaudy history that is full of interesting and inspiring stories of the individuals who have made their marks here. Students also learn about the architecture and cultural institutions that have made the city what it is today.

*Prerequisite: None*

*Grade Level: 10, 11, 12*

*Status: Elective*

*Duration: 1 semester*

**WOMEN'S HISTORY****030951**

A study of the issues faced by women in American History.

*Prerequisite: None*

*Grade Level: 10, 11, 12*

*Status: Elective*

*Duration: 1 semester*

**LAW AND JUVENILE JUSTICE****030611**

Law and Juvenile Justice focuses on the understanding of American society and its system of laws. Effective participation within America's legal structure is highlighted. The course investigates the structure and implementation of criminal law, the criminal justice process, and the identification and analysis of civil law.

*Prerequisite: None*

*Grade Level: 10, 11, 12*

*Status: Elective*

*Duration: 1 semester*

**H INTRO TO WORLD RELIGIONS****030161/030162**

Honors Introduction to World Religions is a neutral, academic study of the history, culture and theology of the world's major religions. It is designed to introduce the student to the religions' commonalities, history, and basic theology. The course examines the role of religion in society, the commonalities among the various spiritual paths, and a focus on each of the following faiths: Judaism, Christianity, Islam, Hinduism and Buddhism. If time allows, Native American religious beliefs and some of the lesser known faiths such as Baha'i and the Eastern Philosophies are investigated. Dual Enrollment options may be available.

*Prerequisite: None*

*Grade Level: 10, 11, 12*

*Status: Elective*

*Duration: 1 semester*

# SPECIAL EDUCATION

Students with disabilities have a variety of course options at the high school level. The intent is to provide the maximum amount of participation in the general education setting through strategic interventions, collaborative teaching and direct instruction. Regular district assessments are administered. Students may participate in:

- o General education classes with support in a resource period. Focus is given to developing learning and study strategies. Students will be expected to define compensatory skills to facilitate active learning in the general education classroom setting. Class activities will include, but not be limited to, time management, goal setting, problem solving, assignment analysis and self-advocacy.
- o General education classes that are co-taught by a general education teacher and special education teacher. In a co-taught class, both teachers share instructional responsibilities for the students by co-planning, co-instructing, and co-assessing.

Students with more severe disabilities may participate in an alternate curriculum focusing on alternate standards and functional living skills. Most instruction for these students is provided by a special education teacher in the core areas with the students participating in general education classes and activities as appropriate. Progress is measured using the state alternate assessment. Students receive an adjusted diploma.

The following special education programs are available in our building:

## **Resource Program**

This program serves students with a variety of disabilities. Special education staff provides interventions, accommodations and modifications that support the students' participation and progress in the general curriculum.

## **Behavioral Skills Program**

This program focuses interventions on the social, emotional and behavioral needs of students while providing instruction to support the students' participation and progress in the general curriculum. Behavior intervention plans are individualized to meet the needs of each student. Students are integrated into general education classrooms whenever possible.

## **Alternate Curriculum Program**

This program serves students with cognitive disabilities who require instruction focused on functional academic, social and vocational training. Students participate in this program because of the severity of their disabilities and the amount of support required to meet their individual needs. Students also participate in integrative classes and activities with their general education peers as appropriate. Students participate in alternate assessments. Students receive an adjusted diploma.

## **Work Experience Program**

Work-based experiences foster adult employment success for all youth, particularly for those with disabilities. Exposing youth with disabilities to work-based experiences helps them in identifying their career interests in building self-confidence. In addition, it provides an opportunity for them to learn about workplace culture and expectations and to make what they are learning in school more meaningful through real-world applications. This program is designed for high school students who are enrolled in any of the Special Education Programs.



**STUDY SKILLS S 1-2****090731/090732**

This course helps students improve skills in the areas of paraphrasing, sentence writing, test and note taking, organization, scanning, improving vocabulary and memorization. Tutorial assistance and remediation are provided to support the general education curriculum.

*Prerequisite: None*

**Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 1 or 2 semesters

**READING S 1-2****090321/090322**

This course emphasizes word recognition, comprehension, reading experience, and vocabulary development. The reading program is based on the identified individual needs of students.

*Prerequisite: None*

**Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 1 or 2 semesters

**AFFECTIVE SKILLS****090751/090752**

This course addresses social skills that can be incorporated into the student's daily living. A practical approach with group discussion and classroom participation is emphasized. Students are encouraged to explore problem-solving skills, decision making skills and skills for independence. Communication and positive self-esteem are fostered.

*Prerequisite: None*

**Grade Level:** 9, 10, 11, 12      **Status:** Elective      **Duration:** 1 or 2 semesters

# WORLD LANGUAGES

**FRENCH 1-2**  
**GERMAN 1-2**  
**SPANISH 1-2**

**160301/160302**  
**160401/160402**  
**160501/160502**

This course in World Languages at the first-year level stresses interpretive, presentational, and interpersonal communication abilities to develop survival skills in the target language. Students become aware of the personal and economic opportunities that knowing a second language will bring them and how that knowledge will enable them to function better both in the United States and globally. They also begin to develop an awareness and appreciation of the various cultures associated with that language as well as the impact these cultures have made on their own community, country, and world.

*Prerequisite:* Successful completion of English Language Arts in middle school or English course high school.

**Grade Level:** 9, 10, 11, 12     **Status:** Elective     **Duration:** 2 semesters

**FRENCH 3-4**  
**GERMAN 3-4**  
**SPANISH 3-4**

**160311/160312**  
**160411/160412**  
**160511/160512**

This course in World Languages at the second-year level is a continuation and expansion of the principles and concepts of the first year. During this time, students continue to work extensively with interpretive, presentational, and interpersonal communication skills while also delving more extensively into language structure, reading for information and general composition. Students continue to develop an awareness and appreciation of the various cultures associated with that language as well as the impact these cultures have made on their own community, country, and world.

*Prerequisite:* Successful completion of language 1-2 course with a C or better.

**Grade Level:** 9, 10, 11, 12     **Status:** Elective     **Duration:** 2 semesters

**HONORS FRENCH 5-6**  
**HONORS GERMAN 5-6**  
**HONORS SPANISH 5-6**

**160351/160352**  
**160451/160452**  
**160551/160552**

This third-year level World Languages course, designated as Honors classes, emphasizes using the target language, authentic materials, and technology throughout instruction. Students are required to use the language to a greater extent in increasingly complex interpretive, presentational, and interpersonal communication skills. Students will explore a variety of fiction and non-fiction genres in the target language. Students are expected to write coherent paragraphs, short stories, and outlines. Cultural projects are to be carried out in the target language. Students continue to develop an awareness and appreciation of the various cultures associated with that language as well as the impact these cultures have made on their own community, country, and world.

*Prerequisite:* Successful completion of language 3-4 course with a C or better.

**Grade Level:** 10, 11, 12     **Status:** Elective     **Duration:** 2 semesters

**HONORS FRENCH 7-8**  
**HONORS GERMAN 7-8**  
**HONORS SPANISH 7-8**

**160361/160362**  
**160461/160462**  
**160561/160562**

This course in World Languages at the fourth-year level will often center around discussions and reports. Students interpretive, presentational, and interpersonal communication skills become more advanced in order to develop the student's ability to produce the language in more complicated forms. Reading will move to comparatively complex forms of authentic materials, readings, and literature. The study of cultures, art, music, poetry, and literature continues to be stressed. Students continue to develop an awareness and appreciation of the various cultures associated with that language as well as the impact these cultures have made on their own community, country, and world.

*Prerequisite:* Successful completion of Honors language 5-6 course with a C or better.

**Grade Level:** 11, 12     **Status:** Elective     **Duration:** 2 semesters

# NEBRASKA COLLEGE PREPARATORY ACADEMY

Students that are accepted to the Nebraska College Preparatory Academy will be required to take the following courses:

## **UNIVERSITY PREPARATORY ACADEMIC SUCCESS SEMINAR (GRADE 9) 200101/200102**

The purpose of this course is to supplement what NCPA students are learning in the classroom thus bridging the gap between high school and college with the goal of making students more successful throughout high school and on the University of Nebraska Lincoln campus. This course will focus on helping students to master the transition from junior high to high school and teaching students the skills and strategies of an effective student/learner.

*Prerequisite: Acceptance to the Nebraska College Preparatory Academy.*

**Grade Level:** 9                      **Status:** Elective                      **Duration:** 2 semesters

## **UNIVERSITY PREPARATORY ACADEMIC SUCCESS SEMINAR (GRADE 10) 200111/200112**

The purpose of this course is to supplement what NCPA students are learning in the classroom thus bridging the gap between high school and college with the goal of making students more successful throughout high school and on the University of Nebraska Lincoln campus. This course will continue to focus on teaching students to be effective learners, but it will also include specific instruction and work in critical and abstract thinking and reading as well as strategies for effectively balancing life/responsibilities and school.

*Prerequisite: Acceptance to the Nebraska College Preparatory Academy.*

**Grade Level:** 10                      **Status:** Elective                      **Duration:** 2 semesters

## **UNIVERSITY PREPARATORY ACADEMIC SUCCESS SEMINAR (GRADE 11) 200121/200122**

The purpose of this course is to supplement what NCPA students are learning in the classroom thus bridging the gap between high school and college with the goal of making students more successful throughout high school and on the University of Nebraska Lincoln campus. This course will focus on specific thinking, demonstration and content knowledge required of successful college student. In addition, curriculum will include standardized testing instruction.

*Prerequisite: Acceptance to the Nebraska College Preparatory Academy.*

**Grade Level:** 11                      **Status:** Elective                      **Duration:** 2 semesters

## **UNIVERSITY PREPARATORY ACADEMIC SUCCESS SEMINAR (GRADE 12) 200131/200132**

The purpose of this course is to supplement what NCPA students are learning in the classroom thus bridging the gap between high school and college with the goal of making students more successful throughout high school and on the University of Nebraska Lincoln campus. This course will focus almost exclusively on the Capstone Research Project required by NCPA. This will include instruction in proper research techniques, paper compilation, and project completion.

*Prerequisite: Acceptance to the Nebraska College Preparatory Academy.*

**Grade Level:** 12                      **Status:** Elective                      **Duration:** 2 semesters

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# Omaha North High

MAGNET SCHOOL

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