

# Omaha Central High School

## 2026 - 2027

### Course Catalog



# CENTRAL HIGH SCHOOL

## Course Catalog: A Registration Guide for Students and Families



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[central.ops.org](http://central.ops.org)



@OPSCentralHigh



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@ OmahaCentralHigh

The mission of Central High School is to continue a tradition of excellence emphasizing academic achievement, responsible global citizenship, pride in diversity and enduring scholarship.

*Omaha Public Schools does not discriminate on the basis of race, color, national origin, religion, sex (including pregnancy), marital status, sexual orientation, disability, age, genetic information, gender identity, gender expression, citizenship status, veteran status, political affiliation or economic status in its programs, activities and employment and provides equal access to the Boy Scouts and other designated youth groups. The following individual has been designated to accept allegations regarding non-discrimination policies: Superintendent of Schools, 3215 Cuming Street, Omaha, NE 68131 (402-557-2001). The following persons have been designated to handle inquiries regarding the non-discrimination policies: Director for the Office of Equity and Diversity, 3215 Cuming St, Omaha, NE 68131 (531-299-0307).*

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*Every effort has been made to ensure the accuracy of the information presented in this course catalog. Central High School reserves the right to correct any errors.*

## Letter from the Principal

Dear Eagles,

Welcome to Omaha Central High School. We are glad you have chosen our nation's finest downtown high school where "A Tradition of Excellence" is not just our motto, it is our legacy.

Beginning in 1859 as Nebraska's first high school, Omaha Central has always been an academic powerhouse, preparing students not only for success in the nation's finest colleges and universities, but for success in business, agriculture, academia, sports, entertainment, government and the military. There is no other school in the metro area that can boast such distinguished alumni, including three Nobel Prize winners, a Pulitzer Prize winner, an Academy Award winner, a Congressional Medal of Honor recipient, a member of the Pro Football Hall of Fame, and numerous other graduates who have been local and national leaders for over a century and a half.

Central's consistent success is predicated upon our traditional and rigorous academic program that includes numerous Advanced Placement courses, extensive Dual Enrollment offerings, and the prestigious International Baccalaureate Programme. Well-rounded students are able to make their mark in a variety of educational fields, including within one of the 16 pathways we offer in the STEM, Global Leadership, and Global Arts areas of focus, as a part of the OPS College and Career Pathways. Students can also thrive in one or many of the extracurricular and cocurricular activities we offer, including our fine and performing arts programs and our nationally-recognized athletic program. We expect excellence from all of our students and constantly promote the importance of academic rigor, outstanding behavior and ongoing community engagement. Our students love being Central Eagles, and their amazing accomplishments are a source of pride for our school and community.

At Central High School, we believe that all of our students are capable of success, and we are so happy to have you and your unique contributions as a part of our ongoing "Tradition of Excellence."

Sincerely,



Ms. E. Dionne Kirksey  
Principal of Central High School



# Portrait of a Graduate

**OMAHA**<sup>+</sup>  
Public  
Schools



**Collaborator**

Demonstrates the ability to work interdependently with diverse perspectives to promote learning and achieve common goals.



**Communicator**

Communicates with purpose and intent in a variety of modes and formats through effective reading, writing, listening, and speaking skills.



**Critical  
Thinker**

Exhibits the ability to reason through and weigh evidence to make complex decisions.



**Innovator**

Generates, invests in, and shares ideas and solutions.



**Civic & Global  
Contributor**

Understands, embraces, and participates in open dialogue regarding diverse issues that impact their community and an inclusive world.



**Resilient  
Achiever**

Overcomes obstacles and recognizes the need to continue growth through perseverance.



# Omaha Public Schools Graduation & College Entrance Requirements

OMAHA PUBLIC SCHOOLS GRADUATION REQUIREMENTS	
SUBJECT	CREDITS
<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>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>MATHEMATICS</b>	<b>6 CREDITS</b> Grade 9 – Math as Recommended Grade 10 – Math as Recommended Grade 11 – Math as Recommended
<b>SCIENCE</b>	<b>** 6 CREDITS</b> Grade 9 – Physical Science 1 & 2 Grade 10 – Biology 1 & 2 Grade 11 – Science Elective
<b>PHYSICAL EDUCATION</b>	<b>2 CREDITS</b>
<b>HUMAN GROWTH &amp; DEVELOPMENT</b>	<b>1 CREDIT</b>
<b>PERSONAL FINANCE</b>	<b>1 CREDIT</b> Grade 12 – Personal Finance
<b>COMPUTER SCIENCE AND TECHNOLOGY</b>	<b>1 CREDIT</b> Not required for 2025 & 2026 Graduating Classes
<b>ELECTIVES</b>	<b>17 CREDITS</b> – 2026 Graduating Classes <b>16 CREDITS</b> – 2027 & beyond Graduating Classes Consider education plans and interests
<b>FAFSA</b>	Complete or opt out of FAFSA
<b>TOTAL CREDITS</b>	<b>48 CREDITS REQUIRED TO GRADUATE</b> For all OPS High Schools

## ON-TRACK TO GRADUATE

Being “on track” means you’re on the right path to graduate on time! A student’s on-track status is a key indicator in helping students understand if they will graduate on time. You are considered “on track” if you:

- Pass all required courses for your grade level.
- Earn the total number of credits listed in the chart below.

## GRADUATION REQUIREMENTS BY GRADE LEVEL

SUBJECT	Grade 9	Grade 10	Grade 11	Grade 12	Total
English	2	2	2	2	8
Social Studies	2	2	2	1	7
Math	2	2	2	–	6
Science	2	2	2	–	6
Physical Education	–	–	–	2	2
Personal Finance	–	–	–	1	1
Electives	4	4	4	6	18
<b>Total</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>48</b>

**Note:** 48 Credits are required to graduate.

*\*\* For students who have successfully completed Physical Science in 8th grade, their sequence will begin with Biology.*

*The FAFSA (Free Application for Federal Student Aid) is used to determine financial aid at colleges/universities*

## TYPICAL 4-YEAR COLLEGE ENTRANCE REQUIREMENTS

**High School Diploma or GED**

**English Courses**

4 years

**Social Studies Courses**

3 years

**Mathematics Courses**

3-4 years, generally including Algebra 1-2, Geometry 1-2, and Algebra 3-4

**Science Courses**

3 years, typically with at least one lab-based

**World Language Courses**

2-3 years, recommended but sometimes required

**Other Requirements**

Additional coursework, GPA, Standardized Tests (ACT/SAT), Letters of Recommendation, Extracurricular Activities, and Personal Essays may be required

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

## TYPICAL 2-YEAR COLLEGE/TRADE PROGRAM ENTRANCE REQUIREMENTS

**High School Diploma or GED**

**Other Requirements**

Additional coursework, Placement Tests (ACT or other Placement Tests), Program-Specific Requirements

*Community colleges and trade schools often have open enrollment policies, meaning they accept all applicants who meet the basic requirements. These institutions offer more flexible and accessible options for students looking to enter the workforce quickly or explore specific trades without committing to a 4-year degree program. Requirements depend on the institution, so it's essential to check with the specific school you are interested in.*

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# Escuelas Públicas de Omaha

## Requisitos para graduarse y entrar a la universidad

REQUISITOS DE GRADUACIÓN DE LAS ESCUELAS PÚBLICAS DE OMAHA	
MATERIA	CRÉDITOS
<b>INGLÉS</b>	<b>8 CRÉDITOS</b> Grado 9 – Inglés 1 y 2 Grado 10 – Inglés 3 y 4 Grado 11 – Inglés 5 y 6 Grado 12 – Inglés 7 y 8
<b>ESTUDIOS SOCIALES</b>	<b>7 CRÉDITOS</b> Grado 9 – Historia de EE. UU. 1 y 2 Grado 10 – Geografía Humana e Introducción a Economía Grado 11 – Historial Mundial 1 y 2 Grado 12 – Gobierno Americano
<b>MATEMÁTICAS</b>	<b>6 CRÉDITOS</b> Grado 9 – Matemáticas como se recomienda Grado 10 – Matemáticas como se recomienda Grado 11 – Matemáticas como se recomienda
<b>CIENCIAS</b>	<b>** 6 CRÉDITOS</b> Grado 9 – Ciencia Física 1 y 2 Grado 10 – Biología 1 y 2 Grado 11 – Clase electiva de Ciencias
<b>EDUCACIÓN FÍSICA</b>	<b>2 CRÉDITOS</b>
<b>CRECIMIENTO Y DESARROLLO HUMANO</b>	<b>1 CRÉDITO</b>
<b>FINANZAS PERSONALES</b>	<b>1 CRÉDITO</b> Grado 12 – Finanzas personales
<b>CIENCIAS DE LA COMPUTACIÓN Y TECNOLOGÍA</b>	<b>1 CRÉDITO</b> No es necesario para los estudiantes que se gradúan en el 2025 y 2026
<b>ELECTIVAS</b>	<b>17 CRÉDITOS</b> – estudiantes que se gradúan en el 2026 <b>16 CRÉDITOS</b> – estudiantes que se gradúan en el 2027 y en adelante Considere los planes e intereses de educación
<b>FAFSA *</b>	Completar u optar por no participar en FAFSA
<b>CRÉDITOS EN TOTAL</b>	<b>SE REQUIEREN 48 CRÉDITOS PARA GRADUARSE</b> Para todas las escuelas preparatorias de OPS

### EN CAMINO HACIA LA GRADUACIÓN

¡Estar "en camino" significa que estás en el camino correcto para graduarte a tiempo! El que un estudiante este obteniendo los créditos de acuerdo a lo planeado es un indicador clave para ayudarlos a comprender si se graduarán a tiempo. Se considera que estás "en camino hacia la graduación" si:

- Apruebas todos los cursos requeridos para tu grado.
- Obtienes la cantidad total de créditos que se indican en la tabla a continuación.

### REQUISITOS DE GRADUACIÓN POR GRADO

MATERIA	9º Grado	10º Grado	11º Grado	12º Grado	Total
Inglés	2	2	2	2	8
Estudios sociales	2	2	2	1	7
Matemáticas	2	2	2	–	6
Ciencia	2	2	2	–	6
Educación física	–	–	–	2	2
Finanzas personales	–	–	–	1	1
Electivas	4	4	4	6	18
<b>Total</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>48</b>

**Nota:** Se requieren 48 créditos para graduarse.

*\*\* Para los estudiantes que han completado exitosamente Ciencias físicas en el 8º grado, su secuencia comenzará con biología.*

*FAFSA (Solicitud Gratuita de Ayuda Federal para Estudiantes) se utiliza para determinar la ayuda financiera para colegios o universidades.*

### REQUISITOS TÍPICOS DE INGRESO A UNA UNIVERSIDAD DE 4 AÑOS

Diploma de escuela preparatoria o GED

Cursos de Inglés  
4 años

Cursos de Estudios sociales  
3 años

Cursos de Matemáticas  
3-4 años, generalmente incluye Álgebra 1-2, Geometría 1-2, y Álgebra 3-4

Cursos de Ciencias  
3 años, normalmente con al menos una clase de laboratorio

Cursos de Idiomas del mundo  
2-3 años, recomendado, pero a veces requerido

Otros requisitos  
Cursos adicionales, promedio de calificación, pruebas estandarizadas (ACT/SAT), cartas de recomendación, actividades extracurriculares, y es posible que se requieran ensayos personales

*Los estudiantes y padres/tutores deben investigar los requisitos de cada institución para asegurarse que los estudiantes han seleccionado las clases apropiadas.*

### REQUISITOS TÍPICOS DE INGRESO A UN COLEGIO DE 2 AÑOS/ O A UN PROGRAMA O ESCUELA VOCACIONAL

Diploma de escuela preparatoria o GED

Otros requisitos

Cursos adicionales, examen del nivel académico (ACT u otros exámenes que demuestren el nivel académico del estudiante), requisitos específicos del programa

*Los colegios comunitarios y las escuelas vocacionales suelen tener políticas de inscripción abierta, lo que significa que aceptan a todos los solicitantes que cumplen con los requisitos básicos. Estas instituciones ofrecen opciones más flexibles y accesibles para los estudiantes que buscan ingresar rápidamente a la fuerza laboral o explorar oficios específicos sin comprometerse con un programa de 4 años. Los requisitos dependen de la institución, por lo que es esencial consultar con la escuela específica en la que estás interesado.*

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Revisado el 6 de mayo de 2025

16834

# GENERAL INFORMATION

## HIGH SCHOOL TERMINOLOGY

*Credit* – Passing a course with a D or higher

*Required course* – A course which is required for graduation. See OPS Graduation Requirements.

*Elective course* – A course which can be taken to meet Elective requirements. See OPS Graduation Requirements.

*Grade Point Average (GPA)* – An indication of a student's academic achievement, calculated as the total number of grade points received over a given period divided by the total number of credits awarded.

*Honors classes* – Honors courses are taught at a faster pace than their academic-level counterparts. Students are responsible for more work on their own. Grade points for Honors courses are “weighted” which results in an increased GPA. Students selecting honors courses are making a full year commitment to the course.

*Advanced Placement (AP) classes* – AP courses are college-level courses taught in the high school setting. Grade points for AP courses are “weighted” which results in an increased GPA. Standards are set by the College Board. Students selecting AP courses are making a full year commitment to the course.

*Academic classes* – Academic classes marked “Meets graduation requirement” fulfill graduation requirements for Omaha Public Schools. All of our classes are considered college-preparatory courses.

## ATTENDANCE

The Omaha Public Schools strongly believes that daily attendance is critical to academic achievement. We expect every student to attend school and classes on time every day. OPS Research shows that there is a meaningful link between student attendance and achievement. In accordance to the Nebraska State Statute 79-209, the Omaha Public School district has in place an attendance policy that supports the encouragement of daily attendance. Parent/Guardians are encouraged to call their child's school as soon as they are aware their child will be absent. The District notifies parents/guardians when a student has missed the equivalent of five, ten, and fifteen days. The District notifies the County Attorney when a student missed the equivalent of 20 days, and then the County Attorney decides whether to refer back to the school for more intervention, Nolle Pros, diversion, or file a petition in juvenile court. If you need assistance with attendance issues, please contact your child's building administrator, SSL, or school counselor.

## HONORS COURSE EXPECTATIONS

Students considering Honors courses should take the following into consideration. Honors courses are designed for highly motivated students who have self-discipline in and outside of class. Honors courses move more rapidly through assignments than in an academic-level class and may frequently have multiple assignments due within a few weeks. Honors students are expected to take notes, focus on schoolwork, cooperate in small groups, and challenge themselves. They should actively and assertively contribute to the class through discussion, assistance to others, and contribution of new ideas.

## ACADEMIC RECOGNITION

Honor Roll certificates are issued four times per year to students who meet the following criteria:

- *Golden Eagle*: Students with a Grade Point Average of 4.0 and above for the QUARTER
  - *Special Distinction*: Students with a Grade Point Average of 3.5 to 3.99 for the QUARTER
  - *High Distinction*: Students with a Grade Point Average of 3.00 to 3.49 for the previous QUARTER
- Purple Feathers are issued one time per year to students who meet the following criteria:
- CUMULATIVE Grade Point Average of 3.5 and above
  - Special recognition is given to seniors who are being awarded a Purple Feather for the 4<sup>th</sup> time in their high school career AND whose 7 SEMESTER Grade Point Averages are 3.50 or higher
  - Students awarded a Purple Feather will receive an Academic Letter from the school and a bar for each additional year.



# What every student needs to know about grading

## OPS Grading Scale



<b>A</b>	<b>=</b>	<b>3.26 - 4.00</b>
<b>B</b>	<b>=</b>	<b>2.51 - 3.25</b>
<b>C</b>	<b>=</b>	<b>1.76 - 2.50</b>
<b>D</b>	<b>=</b>	<b>1.01 - 1.75</b>
<b>F</b>	<b>=</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**

Check your child's assignments, grades, and attendance. Track your child's progress and receive notifications. Download the app today!

- Daily Planner**  
View subject content and assignments due for each day.
- Assignments**  
Track your assignments by subject to specific dates in the app.
- Attendance**  
Monitor attendance records in progress and absences.
- Grades**  
View your grades now. Right about now! See what needs to be done.
- Feed Back**  
OPS apps feature the new feedback feature in the application. To check your child's current status, use the Feedback on the OPS app 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 connect your device to our district's mobile Campus Portal, 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?



**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.



# LONG-TERM ACADEMIC PLANNING

Every student at Central High School has a four-year academic plan. This is a fluid plan which is revised throughout each year to fit the student's current interests and anticipated post-secondary plans. In developing their four-year plan, students should also consider co-curricular activities and the amount of time spent working and volunteering. Every student has an Academic Planner tool via Infinite Campus Portal, which can be accessed by student and parent/guardian once the high school placement process is complete. The Academic Planner is a draft and can be changed until registration for the next school year, during which counselors will "lock" course choices into place. Below is an overview of four years of course options that will meet the needs of most students. Student interest, post-secondary plans, course prerequisites, program requirements, and teacher input will impact final course selections.

9 <sup>th</sup> Grade Options	
<b>English</b>	English 1-2 <b>OR</b> Honors English 1-2 <b>OR</b> English 1-2 ELL
<b>Social Studies</b>	U.S. History 1-2 <b>OR</b> Honors U.S. History 1-2 <b>OR</b> U.S. History 1-2 ELL
<b>Mathematics</b>	Math as recommended (any course listed with a status of "Meets graduation requirement")
<b>Science</b>	Physical Science 1-2 <b>OR</b> Honors Physical Science 1-2 <b>OR</b> Physical Science 1-2 ELL <b>OR</b> Honors Biology 1-2 (if Phys. Sci is completed)
<b>Freshman Seminar</b>	
<b>Physical Education 2 Credits required</b>	PE as selected (any course listed with a status of "Meets graduation requirement") <b>OR</b> Concert Band (1 <sup>st</sup> semester counts as PE <b>OR</b> JROTC
<b>Additional Sections</b> (include World Language, Study Hall, etc.)	1)  2)

11 <sup>th</sup> Grade Options	
<b>English</b>	English 5-6 <b>OR</b> AP English Lang, & Comp. 1-2
<b>Social Studies</b>	Modern World History 1-2 <b>OR</b> AP World History
<b>Mathematics</b>	Math as recommended (any course listed with a status of "Meets graduation requirement")
<b>Science</b>	Science Elective (any course listed with a status of "Meets graduation requirement")
<b>Pathway Course</b>	Required course for chosen Pathway
<b>Additional Sections</b> (include World Language, Study Hall, etc.)	1) 2) 3)

10 <sup>th</sup> Grade Options	
<b>English</b>	English 3-4 <b>OR</b> AP Seminar (Hon Eng. 3-4) <b>OR</b> EL 3-4
<b>Social Studies</b>	Human Geography/Economics <b>OR</b> H. Human Geo./H. Econ. <b>OR</b> AP Human Geo./H. Econ
<b>Mathematics</b>	Math as recommended (any course listed with a status of "Meets graduation requirement")
<b>Science</b>	Biology 1-2 <b>OR</b> Honors Biology 1-2 <b>OR</b> Science Elective (any course listed with a status of "Meets graduation requirement")
<b>Human Growth &amp; Development</b>	Human Growth & Dev (1 sem)
<b>Pathway Course</b>	Required course for chosen Pathway
<b>Computer Science and Technology</b>	Foundations of Computing (1 sem)
<b>Additional Sections</b> (include World Language, Study Hall, etc.)	1) 2) 3)

12 <sup>th</sup> Grade Options	
<b>English</b>	English 7-8 <b>OR</b> English 7-8 Global Issues <b>OR</b> English 7-8 Holocaust Lit. <b>OR</b> AP Lit. & Comp.
<b>Social Studies</b>	American Government (1 sem) <b>OR</b> AP American Government (1 year)
<b>Mathematics</b>	Math as recommended (any course listed with a status of "Meets graduation requirement")
<b>Personal Finance</b>	Personal Finance <b>OR</b> Honors Personal Finance
<b>Pathway Course</b>	Required course for chosen Pathway
<b>Additional Sections</b> (include World Language, Study Hall, Class Release, etc.)	1) 2) 3) 4)

# COURSE SELECTION AND SCHEDULING

## GRADES 10-11

Throughout high school	Students use IC Academic Planner for long-term academic planning
January	Teachers discuss course recommendations and available courses with students
Throughout course selection process	Parent/guardian review materials sent home, review/update IC Academic Planner
January-February-March	Orientation and one-on-one meetings with assigned CHS counselor for all students
During course selection appointment	Students' IC Academic Planner locked by assigned counselor
April	Families review courses selected by students for verification
Last Day of Second Semester	Last day to change course selections

## COURSE SELECTION

Central High School takes great care in helping students select appropriate courses and levels (academic, honors, AP, etc.). See each course description on the following pages for prerequisites. Course placement recommendations are made after careful consideration of current and previous grades earned, career/college interest, parent/guardian input, work ethic, assessment scores, and student interest. We strongly encourage students and families to consider teacher recommendations, as teachers are uniquely qualified to understand student aptitude and fit with course curriculum. 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 building staff, parents/guardians, and the student.

## COLLEGE PREPARATORY CURRICULUM

Preparation for post-secondary education is a concern for many students. Course selections should be made carefully to assure admission to the college of choice. Public and private institutions expect the transcript to show that the applicant has met certain prerequisites for admission. Requirements vary, and students should consult school catalogs and/or websites of institutions they may wish to attend as they plan their programs of study. Students and parents/guardians are responsible for researching the requirements of each institution to ensure that students have selected appropriate courses.

## 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, Department Head, Assistant Principal/Data – A student or parent with a course placement appeal may first discuss the matter with the counselor, or building administrator involved, with the object of resolving the matter informally.
- Level Two: Chief Academic Office (Department of Curriculum and Instruction Support) Suppose the course placement appeal is not resolved at Level One, and the individual still wishes to pursue the appeal. In that case, he/she may formalize the request in writing addressed to the Chief Academic Officer of Curriculum 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 of Curriculum Instruction and Support.
- These steps shall be taken in a timely matter to accommodate the registration of courses for the school year in question.

## SCHEDULING PRACTICES 9<sup>th</sup>-12<sup>th</sup> Graders

- Students in grades 9-11 are required to register for a minimum of 7 credits per semester.
- ***Enrollment in an Honors or AP course is a commitment for the duration of the course. Schedules will not be changed from an Honors to a non-Honors/AP course unless the teacher, department chair and principal or designee agrees that the student is academically misplaced. Any student selecting to register for more than 3 AP courses will need to schedule a meeting with the Assistant Principal/Data for approval.***
- No schedule changes will be made after May 15 unless:
  - The student completed a course during summer school for which they had registered.
  - The student must repeat a failed course from the previous school year or summer school.
  - A course conflict in the student's schedule necessitates dropping or changing a course.
  - The student needs an additional course to meet graduation requirements.
  - The student is not carrying the required 7 credit load (4 credits for seniors).

## 12<sup>th</sup> Graders

- Students in grade 12 are required to register for a minimum of 4 credits per semester plus Advisement. Students taking fewer courses would be considered part-time students which may impact athletic eligibility, social security, college options, etc.
- Seniors are encouraged to take a rigorous schedule that will prepare them for college and career. Many colleges look closely at senior schedules for rigor.
- Students may request early release with parent/guardian approval.
- There is no guarantee of early release for seniors. Students should not make work or other commitments based on their school schedule until after they receive their schedule. Classes will not be overloaded to accommodate early release.

## **COURSE DROP GUIDELINES**

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 included, 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 a Course" form as a last resort.

## **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 the failed course(s) and focusing on the course content standards to demonstrate proficiency on district assessments. The focus is 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-course limit 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.

## **Advanced Academics**

Omaha Public Schools believes in helping all students grow their talents and strengths. We offer different advanced academic services to meet students' needs. Advanced academic classes are open to everyone, giving all students the opportunity to participate in challenging coursework

### **College Board Advanced Placement:**

- The AP program is a challenging academic program that is similar to first year college courses. AP courses help prepare students for college level coursework.
- AP prepares students for selective universities. It is a partnership between secondary schools and colleges/universities, known for academic excellence in the U.S.
- AP is known for its rigorous standards and has a long history in the U.S. and the Omaha Public Schools
- Students can earn college credit or course placement by passing AP courses or exams.

### **Dual Credit/Enrollment:**

- Partner Institutions: University of Nebraska Omaha, Metropolitan Community College, Midland University
- Dual enrollment lets high schoolers take college courses taught by approved high school teachers, earning college credit while still in high school.
- Dual enrollment exposes students to college-level challenges in a supportive high school environment.

### **Honors Courses:**

- Designed to challenge all students and encourage deep exploration of subjects.
- Students engage with complex materials and technologies.
- Learning is differentiated by Advanced Content, Breadth, Complexity, Depth and Extended Learning.

### **Seal of Biliteracy:**

- Acknowledges high school students proficient in English and at least one other language.
- Demonstrates proficiency in communication, cultures, connections, communities, and cognition.
- Useful for showing language skills to employers and colleges.
- Speaking multiple languages is seen as valuable for jobs and college admissions.

# THE ADVANCED PLACEMENT PROGRAM®

The College Board's Advanced Placement (AP) Program® is a nationwide cooperative educational endeavor between secondary schools, colleges, and universities. Since its inception in 1955, the AP Program has provided motivated high school students with the opportunity to take college-level courses in a high school setting. For over fifty years, students in the Omaha Public Schools have participated in the AP program, not only to gain high-level academic skills, but also to earn college credit while still in high school. Successful completion of AP Exams offers students the opportunity to earn advanced academic college credit. This can mean substantial economic savings for families on courses that would otherwise have to be taken in the freshman and sophomore years of college. Participation in the AP program gives students a college level experience while still in high school.

Dedicated and enthusiastic high school teachers, following course guidelines developed and published by the College Board, teach AP courses. The Program's success is rooted in the collaborative efforts of motivated students, dedicated teachers, and Central High School. By participating in the AP Program, Central High students make a commitment to the rigor and challenge of college-level courses. Taking honors courses in these subjects prepares students to enter the AP classes. "AP" designation on the transcript for each course is contingent upon authorization of the College Board. Should a staff change occur, the course will be reauthorized upon College Board approval. AP teachers are available for student support by appointment, typically before or after school or via email. Many AP teachers also offer group study opportunities and AP practice exams during the months leading up to the AP test.

	COURSE TITLE	READING	REQUIRED STUDY	SUMMATIVE WORKS
ART	AP 2-D ART & DESIGN	Various reading assignments required.	1 period	15-20 college level works of art, including 15 sustained investigation and 5 selected works, plus process documentation that demonstrates synthesis of materials, processes, ideas
	AP DRAWING	Various reading assignments required.	1 period	15-20 college level works of art, including 15 sustained investigation and 5 selected works, plus process documentation that demonstrates synthesis of materials, processes, ideas
	AP 3-D ART & DESIGN	Various reading assignments required.	1 period	15-20 college level works of art, including 15 sustained investigation and 5 selected works, plus process documentation that demonstrates synthesis of materials, processes, ideas
BMIT	AP COMPUTER SCIENCE PRINCIPLES	150 pages	1 hour per week	6 tests, 15 projects
	AP COMPUTER SCIENCE	150 pages	1 hour per week	6 tests, 15 projects
ENGLISH	AP ENGLISH LANGUAGE	100 pages per week, fiction and non-fiction	5-7 hours per week	8-10 impromptu themes, 5 synthesis essays, 1 research paper, 4-5 exams, mini projects in each until
	AP ENGLISH LITERATURE	100 pages per week, fiction and non-fiction	5-7 hours per week	1 project, 5-7 themes, 5 personal essays, 4-5 exams
WORLD LANGUAGE	AP FRENCH LANGUAGE	Semester chapters	30 minutes per day	4-8 assessments per unit (listening, reading, writing, speaking), 2 summatives per unit, 2-4 debates, 2-4 essays, semester exams
	AP GERMAN LANGUAGE	Completion of readings begun in class	30 minutes per day	3 written/reading comprehension tests, 3 speaking tests, 3 listening tests, weekly vocabulary, and grammar quizzes, 1 essay
	AP SPANISH LANGUAGE	Various reading, writing, and speaking assignments required.	30 minutes per day	Unit themed listening, speaking, reading, writing, vocabulary and grammar exams along with presentations and interpersonal speaking.
	AP SPANISH LITERATURE	Completion of readings begin in class, review of readings	30 minutes per day	4 debates, 4 writing and 3-4 literary theory tests, formative reading comprehension tests as needed, summative reading comprehension test
MA TH	AP PRECALCULUS	Sem. 1: Sem. 2:	5-7 hours per week	Minimum 2 quizzes/chapter, chapter exams, semester exams

	AP CALCULUS AB	Sem. 1: Ch.1-3 Sem. 2: Ch.4-7	5-7 hours per week	Minimum 2 quizzes/chapter, chapter exams, semester exams
	AP CALCULUS BC	Sem. 1: Ch.1-5 Sem. 2: Ch.6-10	5-7 hours per week	Minimum 2 quizzes/chapter, chapter exams, semester exams
	AP STATISTICS	30 pages per week 800 pages per year. Completion of reading guide	3-4 hours per week	Quizzes on every section, chapter tests, take home free response questions for each chapter, 1 practice problem sets/week
MUSIC	AP MUSIC THEORY	10 pages per week	4 hours per week	6-8 tests, Sight-singing, Dictation and Part-writing assignments
SCIENCE	AP BIOLOGY	25-30 pages per week	5 hours per week	Exams, labs and projects
	AP CHEMISTRY	40 pages per week	3-5 hours per week not including time for exam preparation	8-10 major exams, 8-12 formal lab reports, 20 homework assignments and many small quizzes
	AP PHYSICS 1	10 pages per week	5 hours per week	Concept tests, lab reports, practice problem sets
	AP PHYSICS 2	10 pages per week	5 hours per week	Concept tests, lab reports, practice problem sets
	AP PHYSICS C	10-25 pages per week	5 hours per week	4 exams, 2 papers and 8 CREs (Claim, Evidence, Reasoning)
SOCIAL STUDIES	AP GOVERNMENT AND POLITICS: COMPARATIVE	30 pages/week, historical primary source and article readings	3-4 hours per week	1-2 reading quizzes per chapter, group and individual projects, 5 unit tests, 2 free response questions per unit
	AP GOVERNMENT AND POLITICS: U.S.	30 pages/week, historical primary source and article readings	3-4 hours per week	1-2 reading quizzes per chapter, group and individual projects, 5 unit tests, 2 free response questions per unit
	AP HUMAN GEOGRAPHY	500 pages in text, extra articles, AP Prep book	4-6 hours per week	Group and individual presentations, 1-2 quizzes per chapter, 10 chapter tests, 1 free response question per chapter
	AP MACROECONOMICS	400 pgs. in text; supplementary reading; articles	3-4 hours per week	5 tests, 5 quizzes, 3 projects, 1 research paper, weekly current events summaries, monthly current events editorials
	AP MICROECONOMICS	400 pgs. in text; supplementary reading; articles	3-4 hours per week	5 tests, 5 quizzes, 3 projects, 1 research paper, weekly current events summaries, monthly current events editorials
	AP PSYCHOLOGY	400 pages per semester, additional readings	5-6 hours per week	9 quizzes, 9 unit tests and 9 homework/mini-projects/papers; cumulative midterm and semester exam
	AP US HISTORY	10-12 pages per night	5 hours per week	8 tests, reading quizzes, major research project including paper and presentation
	AP WORLD HISTORY	28 pages/week; articles; primary sources	3-5 hours per week	9 unit exams, 1-2 quizzes per unit, 1 research project, 3-4 assigned essays

**Any student wanting to take 3 or more AP courses in one year will be required to complete the form and meet with the Assistant Principal/Data for approval.**



## Dual Enrollment Program

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 Omaha Public Schools through two primary programs:

- 1) **Gifted and Talented Education (GATE)**
  - a. **Advanced Placement (AP), International Baccalaureate (IB) and/or Cambridge International Education (Cambridge)**
- 2) **Career Education (CE).**
  - a. **Connected to a Pathway or Academy plan of study**

If a student qualifies for federal needs-based programs, determined through Educational Benefits Forms (EBF), they may be eligible for FREE tuition. The Access College Early (ACE) scholarship, if awarded, pays mandatory tuition fees for qualified high school 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 and determined by the EBF. 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/IB/Cambridge 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/IB/Cambridge or CE dual enrollment course, to their college advisor.

Updated 10.14.2025

## Central High School Dual Enrollment Opportunities

Central Course	CHS Course #	University /College	Course Name	Course #	Credits
AP Biology - Sem 1	060471	UNO	Biology 1	BIOL 1450	5
AP Biology - Sem 2	060472	UNO	Biology 2	BIOL 1750	5
IB Biology SL/HL 1-2 Sem 1	060771	UNO	Biology 1	BIOL 1450	5
IB Biology SL/ HL 1-2 Sem 2	060772	UNO	Biology 2	BIOL 1750	5
AP Calculus AB	040451	UNO	Calculus 1	MATH 1950	5
AP Calculus BC - Sem 1	040461	UNO	Calculus 1	MATH 1950	5
AP Calculus BC - Sem 2	040462	UNO	Calculus 2	MATH 1960	4
AP Comp Gov't & Politics - Sem 2	030262	UNO	Intro to Comparative Politics	PSCI 2500	3
AP Computer Science Principles	131311	UNO	Computer Science Principles	CSCI 1200	3
AP Computer Science Principles	131311	UNO	Computer Science Principles (lab)	CSCI 1204	1
IB Computer Science HL 1-2	131041	UNO	Computer Science Principles	CSCI 1200	3
IB Computer Science SL 1-2	131051	UNO	Computer Science Principles	CSCI 1200	3
AP English Language & Composition	011911	MCC	English Composition 1	ENG 1010	4.5
AP English Literature - Sem 1	011901	UNO	Intro Genre Studies: Prose	ENGL 1010	3
AP English Literature - Sem 2	011902	UNO	Intro Genre Studies: Poetry, Drama & Film	ENGL 1020	3
IB English HL Literature 1-2	010461	UNO	Intro Genre Studies: Prose	ENGL 1010	3
IB English HL Literature 3-4	010521	UNO	Intro Genre Studies: Poetry, Drama & Film	ENGL 1020	3
AP Environmental Science	060361	UNO	Human Environment Geography	GEOG 1050	4
IB Env Systems Societies SL 1-2	063731	UNO	Human Environment Geography	GEOG 1050	4
AP French Language	160381	UNO	Intermediate French 2	FREN 2120	3
IB French SL 3-4	160324	UNO	Intermediate French 2	FREN 2120	3
AP German Language	160481	UNO	Intermediate German 2	GERM 2120	3
IB German SL 3-4	160431	UNO	Intermediate German 2	GERM 2120	3
AP Human Geography	030191	UNO	Introduction to Human Geography	GEOG 1020	3
AP Music Theory	191521	UNO	Music Fundamentals	MUS 1400	3
AP Physics 1	061661	UNO	Physics for Life Science I	PHYS 1110	4
AP Physics Lab 1		UNO	General Physics Lab 1	PHYS 1154	1
IB Physics HL 1-2	060881	UNO	Physics for Life Science I	PHYS 1110	4
IB Physics Lab 1		UNO	General Physics Lab 1	PHYS 1154	1
AP Physics 2	061671	UNO	Physics for Life Science II	PHYS 1120	4
IB Physics HL 3-4	060981	UNO	Physics for Life Science II	PHYS 1120	4
IB Physics HL 3-4 Lab 2		UNO	General Physics Lab 2	PHYS 1164	1
AP Physics C: Mechanics	061971	UNO	General Physics 1 Calculus Level	PHYS 2110	4
AP Pre-Calculus-Sem 1	040801	UNO	Precalculus Algebra	MATH 1320	3
AP Pre-Calculus-Sem 2	040802	UNO	Trigonometry	MATH 1330	3
IB Math Analysis Approach	042201	UNO	College Algebra	MATH 1320	3
AP Spanish Language	160581	UNO	Intermediate Spanish 2	SPAN 2120	3
AP Statistics	040841	UNO	Intro to Applied Statistics	CIST 2500	3
AP US Gov't & Politics - Sem 1	030261	UNO	Intro to American National Government	PSCI 1100	3
AP US Gov't & Politics - Sem 2 (IB)	030261	UNO	Intro to American National Government	PSCI 1100	3
AP US History - Sem 1	030341	UNO	United States History to 1865	HIST 1110	3
AP US History - Sem 2	030342	UNO	United States History since 1865	HIST 1120	3
AP World History: Modern	030421	UNO	World History since 1500	HIST 1010	3
AP World History: Modern	030421	UNO	World History since 1500	HIST 1010	3
Architectural Design Eng 3-4	172511	MCC	Revit Fundamentals	ARCH 1105	4.5
H Anatomy & Physiology 1-2	060911	UNO	Human Physiology & Anatomy 1	BMCH 2400	4
Intro to Medical Terminology 1	070611	UNO	Medical Terminology	HEKI 2000	1
H Calculus III - Sem 1	040471	UNO	Calculus III	MATH 1970	4
H Creative Writing (sem 1 or 2 not both)	020351	UNO	Intro to Creative Writing	WRWS 1500	3
H Differential Equations - Sem 2	040541	UNO	Differential Equations	MATH 2350	3
H Intro to Business	121051	MCC	Introduction to Business	BSAD 1000	4.5
H Intro to World Religions	030161	UNO	Intro to World Religions	RELI 1010	3
H Entertainment & Sports Marketing 3-4	120931	UNO	Survey of Marketing	MKT 2210	3
H Personal Finance	120971	MCC	Financial Literacy	FINA 1000	4.5
Principles of Education & Training -Sem 2	141171	UNO	Introduction to Education	TED 1010	3

UNO - University of Nebraska Omaha (credit hours)

Metro CC - Metropolitan Community College (quarter credit hours) (4.5 quarter credit hours transfers as 3 credit hours)



**Freshman Academy**

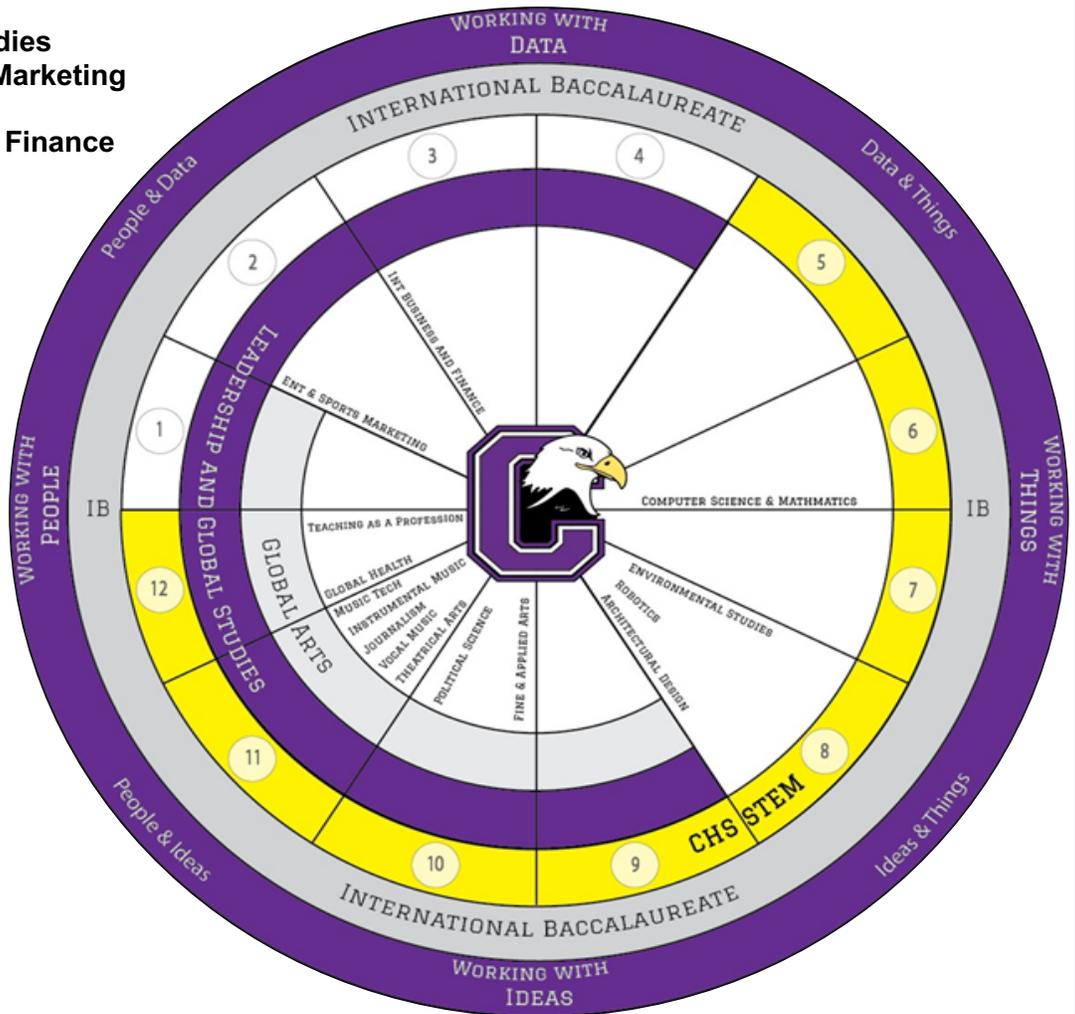
**STEM**

- Architectural Design
- Computer Science and Mathematics
- Environmental Studies
- Global Health
- Robotics

- Leadership and Global Studies
- Entertainment and Sports Marketing
- IB Diploma Programme
- International Business and Finance
- Journalism
- Political Science
- Teaching as a Profession

- Global Arts
- Fine and Applied Arts
- Instrumental Music
- Music Technology
- Theatrical Performance
- Technical Theater
- Vocal Music

**Customize Your Pathway**



Use results from the ACT inventories to discover careers related to your interests, abilities, and values.  
<https://www.act.org/content/act/en/students-and-parents/high-school-success/what-to-do-after-high-school/explore-careers.html>

# STEM Focus Area

## Architectural Design Pathway

Grade	Required Pathway Classes	POSSIBLE CAREER FIELDS
9	Freshman Seminar	<ul style="list-style-type: none"> <li>• Building Architect</li> <li>• Landscape Architect</li> <li>• Urban Planner</li> <li>• Lighting Architect</li> <li>• Industrial Designer Structural Engineer</li> <li>• Environmental Conservationist</li> <li>• Teacher</li> <li>• CAD Technician</li> </ul>
10	Architectural Design and Engineering 1-2	
11	Architectural Design and Engineering 3-4	
12	Architectural Design and Engineering 5-6	

Architecture is a dynamic and impactful profession that blends creativity, functionality, and cultural preservation. Architects shape the world around us by designing functional buildings and landscapes while maintaining and honoring historical structures, all in pursuit of improving quality of life for humanity.

In the Architectural Design Pathway, students will explore their creativity and problem-solving skills using advanced CAD software to design and innovate. This pathway offers opportunities for collaboration with peers and engagement with local architectural firms, providing students with real-world insights and connections within the industry.

## Computer Science and Mathematics Pathway

Grade	Required Pathway Classes	POSSIBLE CAREER FIELDS
9	Freshman Seminar	<ul style="list-style-type: none"> <li>• Actuary</li> <li>• Cryptographer</li> <li>• Data Analyst</li> <li>• Data Scientist</li> <li>• Education</li> <li>• Engineering</li> <li>• Finance Analyst Programming</li> <li>• Software Development</li> <li>• Systems Analyst</li> </ul>
10	Foundations of Computing 1-2	
11	Computational Models 1-2	
12	Computational Models 3-4	

The Computer Science and Mathematics Pathway equips students with essential critical thinking and problem-solving skills by exploring the intersection of mathematics and computer science. Through the lens of coding and computational thinking, students will deepen their understanding of mathematical concepts while applying them to real-world challenges.

Utilizing a variety of advanced technology tools, students will create a dynamic portfolio showcasing their projects and achievements, demonstrating the powerful connections between mathematics and computer science in shaping the future.

## Environmental Studies Pathway

Grade	Required Pathway Classes	POSSIBLE CAREER FIELDS
9	Freshman Seminar	<ul style="list-style-type: none"> <li>• Environmental Engineering</li> <li>• Civil Engineering</li> <li>• Industrial Engineering</li> <li>• Construction Management</li> <li>• Environmental Policy</li> <li>• Environmental Law Public Relations</li> <li>• Compliance</li> <li>• Hydrology</li> <li>• Environmental Communication</li> <li>• Environmental Education</li> </ul>
10	Environmental Science 1-2	
11	Environmental Water Technology 1-2	
12	Inland Ecosystems 1-2	

The Environmental Studies Pathway empowers students to make a meaningful impact on today's environmental challenges. This pathway explores the complex issues facing humanity as we navigate and address critical environmental problems while seeking innovative solutions for a sustainable future.

Through an interdisciplinary approach, students will analyze environmental issues from economic, ethical, historical, and scientific perspectives. Key topics such as sustainability, biodiversity, and resource management are explored through engaging project-based learning, hands-on laboratory investigations, and immersive field research opportunities, preparing students to be informed and proactive environmental stewards.

## STEM Focus Area

### Global Health Science Pathway

Grade	Required Pathway Classes	POSSIBLE CAREER FIELDS
9	Freshman Seminar	<ul style="list-style-type: none"> <li>Family and General Practitioner</li> <li>Licensed Practical and Licensed Vocational Nurse</li> <li>Medical and Clinical Laboratory Technician</li> <li>Medical and Health Service Manager</li> <li>Medical Scientist</li> <li>Pharmacist</li> <li>Biomedical Engineer</li> <li>Health Educator</li> <li>Public Relations Specialist</li> </ul>
10	Foundation of Health Care (1 semester course) Intro to Medical Terminology and Ethics (1 semester course)	
11	Anatomy and Physiology 1-2	
12	Epidemiology and Disease Prevention 1-2	

The Global Health Science Pathway offers students a comprehensive exploration of health informatics, biotechnology research, and public health. This pathway delves into the philosophy, ethics, law, and media as they intersect with medicine, providing students with a deeper understanding of the medical experience and its broader goals.

Through research and data analysis, students will investigate health and wellness at local, state, regional, and national levels. They will connect this knowledge to the study of epidemiology and the determinants of health, equipping them with the skills to address pressing health challenges and contribute to the well-being of communities.

### Robotics Pathway

Grade	Required Pathway Classes	POSSIBLE CAREER FIELDS
9	Freshman Seminar	<ul style="list-style-type: none"> <li>Software Developer</li> <li>Robotics Research Engineer</li> <li>Automation Robot Engineer</li> <li>Machine Builder</li> <li>Applications Engineer</li> <li>Mechanical Engineer</li> <li>Electrical Engineer</li> <li>Software Engineer</li> <li>Robotic Process Automation Developer</li> <li>Robot Welder</li> <li>Controls Engineer</li> <li>Systems Engineer</li> <li>Perception Engineer</li> <li>Automation Specialist</li> <li>Robotic Filler Operator</li> </ul>
10	Introduction to Robotics 1-2	
11	Robotic Concepts 3-4	
12	Advanced Robotics 5-6	

The Robotics Pathway immerses students in the world of engineering, with a focus on the principles of forces and motion. Students will gain hands-on experience in designing, building, and programming VEX robots to perform specific tasks and compete in challenges.

Key elements of the pathway include mastering various programming languages, collaborating within a design and engineering team, and maintaining detailed engineering notebooks to document progress and innovation. This pathway fosters critical thinking, teamwork, and technical skills, preparing students to excel in robotics and engineering fields.



\*\*Pathway classes in each Focus Area may include the opportunity for students to earn honors credit.\*\*

# Leadership and Global Studies Focus Area

## Entertainment and Sports Marketing Pathway

Grade	Required Pathway Classes	POSSIBLE CAREER FIELDS
9	Freshman Seminar	<ul style="list-style-type: none"> <li>• Advertising</li> <li>• Sales</li> <li>• Event Management</li> <li>• Public Relations</li> <li>• Merchandising</li> <li>• Marketing Research</li> <li>• Restaurants and Hospitality</li> <li>• Sports Agents</li> </ul>
10	Principles of Business, Marketing and Management (1 semester course) Entrepreneurship (1 semester)	
11	Entertainment and Sports Marketing 1-2	
12	Entertainment and Sports Marketing 3-4	

The Entertainment and Sports Marketing Pathway offers students an exciting opportunity to explore and prepare for dynamic careers in a rapidly growing industry, projected to expand by over 10% through 2029.

Over four years, students will gain valuable insights into this vibrant field through exposure to career opportunities, internships, and partnerships with local businesses. By graduation, students will have built a professional network, engaged with industry leaders, and accessed opportunities such as internships, scholarships, and club activities, equipping them for future success in the entertainment and sports marketing sector.

## IB Diploma Programme Pathway

Grade	Required Pathway Classes	POSSIBLE CAREER FIELDS
9	Freshman Seminar and World Language: French 3-4/Spanish 3-4/German 1-2 or Accelerated Spanish/French	<ul style="list-style-type: none"> <li>• Law</li> <li>• Medicine</li> <li>• Education</li> <li>• Engineering</li> <li>• Social Services</li> <li>• Global Politics</li> <li>• Health Sciences</li> <li>• International Diplomacy</li> <li>• International Relations</li> <li>• International Finance</li> <li>• Information Technology</li> <li>• International Development</li> <li>• World Languages &amp; Cultures</li> </ul>
10	World Language: French 5-6/Spanish 5-6/German 3-4 or Accelerated Spanish/French	
11	IB English IB Language: <i>French, German, or Spanish</i> IB History IB Science: <i>Biology, Chemistry, Physics or Environmental Systems &amp; Society</i> IB Math: <i>Analysis or Applications</i> IB Social Cultural Anthropology <u>or</u> IB Computer Science <u>or</u> IB Art IB Core: <i>Theory of Knowledge (TOK)</i>	
12	IB English IB Language: <i>French, German, or Spanish</i> IB History IB Science: <i>Biology, Chemistry, Physics</i> IB Math: <i>Analysis or Applications</i> IB Social Cultural Anthropology <u>or</u> IB Computer Science <u>or</u> IB Art IB Core: <i>Theory of Knowledge (TOK)</i>	

**\*Note:** *Extended Essay (EE) and Creativity, Activity, Service (CAS) are additional independent components during grades 11 and 12.*

The International Baccalaureate Diploma Programme (IBDP) is a globally recognized academic curriculum that combines rigorous coursework with opportunities for personal growth and global awareness. The program challenges students across six subject groups while incorporating experiential learning components such as the Extended Essay (EE), Creativity, Activity, Service (CAS) projects, and the Theory of Knowledge (TOK) class.

The Theory of Knowledge course is a cornerstone of the program, encouraging students to explore connections between their academic subjects while honing advanced critical thinking and analytical skills. The Extended Essay enables students to conduct independent, in-depth research on a topic of interest, fostering academic writing and inquiry. The CAS component ensures students engage in activities that promote creativity, physical activity, and service to their communities. By participating in diverse projects, students build leadership skills, develop empathy, and learn to balance their academic responsibilities with personal growth and social contribution.

At CHS, the cohort learning model fosters a supportive and collaborative environment, creating strong bonds among students that often extend beyond high school. This model nurtures holistic, globally minded thinkers and responsible citizens prepared to thrive in higher education and the wider world. Recognized by universities worldwide, the IBDP equips students with the skills, perspective, and adaptability to excel in any field.

# Leadership and Global Studies Focus Area

## International Business and Finance Pathway

Grade	Required Pathway Classes	POSSIBLE CAREER FIELDS
9	Freshman Seminar	<ul style="list-style-type: none"> <li>• Management Analyst</li> <li>• Marketing Manager</li> <li>• Executive</li> <li>• Human Resources Manager</li> <li>• Financial Analyst – Corporate Finance</li> <li>• Economist</li> <li>• Policy Analyst</li> <li>• Financial Accountant</li> <li>• Management Consultant</li> <li>• Investment Banker/Venture Capitalist</li> </ul>
10	Principles of Business, Marketing, and Management (1 semester course) Introduction to International Business (1 semester course)	
11	Accounting 1-2	
12	International Finance and Law 1-2	

The International Business and Finance Pathway equips students with a comprehensive understanding of global business operations, emphasizing the perspective of U.S.-based enterprises in the international marketplace.

This pathway is an in-depth exploration of key business functions from an international perspective. Students will develop skills in financial analysis, securities trading, investment management, and risk management. By combining practical financial expertise with a global business outlook, it prepares students to excel in the world of international commerce and finance.

## Journalism Pathway

Grade	Required Pathway Classes	POSSIBLE CAREER FIELDS
9	Freshman Seminar	<ul style="list-style-type: none"> <li>• Reporter (web, magazine, newspaper, broadcast)</li> <li>• Graphic Designer</li> <li>• Publisher</li> <li>• Social Media Specialist</li> <li>• Editor</li> <li>• Radio Broadcaster</li> <li>• Public Relations Specialist</li> <li>• Advertiser</li> </ul>
10	Introduction to Contemporary Journalism 1-2	
11	Advanced Contemporary Journalism 3-4	
12	Advanced Contemporary Journalism Leadership 1-2	

The Journalism Pathway offers students an immersive experience in the world of journalism, equipping them with the skills to inform, inspire, and engage through powerful storytelling. Students will delve into the laws and ethics of the First Amendment, gaining a deep understanding of journalistic responsibility; explore their passion for various styles of writing, including news, feature, opinion, sports, and reviews; master modern tools and techniques to design compelling webpages, yearbooks, and newspapers using cutting-edge technology; Develop photography skills to enhance stories and capture key moments at events.

This pathway prepares students to thrive in the evolving field of journalism while upholding its critical role in society.

## Political Science Pathway

Grade	Required Pathway Classes	POSSIBLE CAREER FIELDS
9	Freshman Seminar	<ul style="list-style-type: none"> <li>• Lobbyist</li> <li>• Lawyer</li> <li>• Diplomat or Foreign Service Officer</li> <li>• Political Scientist Professor</li> <li>• Business Executive</li> <li>• Political Consultant</li> <li>• Government Official</li> </ul>
10	Sociology (1 semester course) Law and Juvenile Justice (1 semester course)	
11	African American History (1 semester course) Native American Culture and Identity (1 semester course)	
12	Contemporary Societal Issues (1 semester course) Careers in Government and Politics (1 semester course)	

The Political Science Pathway offers an in-depth exploration of the state, politics, and government, focusing on the analysis of political systems, the application of political theory, and the study of political behavior.

By choosing this pathway, students will develop essential skills in writing, communication, analysis, and technology—key tools for academic and professional success. Through engaging coursework, students will learn to think critically and independently, cultivate respect for diverse perspectives, and deepen their understanding of contemporary issues and global affairs.

# Leadership and Global Studies Focus Area

## Teaching as a Profession Pathway

Grade	Required Pathway Classes	POSSIBLE CAREER FIELDS
9	Freshman Seminar	<ul style="list-style-type: none"> <li>• Secondary Teacher</li> <li>• Elementary Teacher</li> <li>• School Counselor</li> <li>• School Administrator</li> <li>• Instructional Coach</li> <li>• Daycare Provider</li> <li>• School Librarian</li> <li>• Adjunct Professor</li> </ul>
10	Lifespan Development (1 semester course) Principles of Education and Training (1 semester course)	
11	Best Practices in Education 1-2	
12	Education and Training Internship 1-2	

The Teaching as a Profession Pathway at Central High School empowers students to explore the rewarding field of education and discover the profound impact teachers have on shaping young minds.

Students in this pathway will gain hands-on experience through opportunities to engage with children in elementary schools and childcare settings, building foundational skills in teaching and classroom management. This program fosters a passion for education and prepares future educators to inspire and make a meaningful difference in the lives of their students.



# Global Arts Focus Area

## Fine and Applied Arts Pathway

### Required Pathway Classes

Grade	2D Emphasis	3D Emphasis	POSSIBLE CAREER FIELDS
9	Freshman Seminar Art Foundations*	Freshman Seminar Art Foundations*	<ul style="list-style-type: none"> <li>• Graphic Designer</li> <li>• Artist</li> <li>• Art Educator</li> <li>• Interior Designer</li> <li>• Visual Effects</li> <li>• Animator</li> <li>• Fashion Designer</li> <li>• Comic Book Artist</li> </ul>
10	Intermediate Drawing and Painting	Beginning Ceramics and Sculpture	
11	Studio Art 1-2	Intermediate Ceramics and Sculpture	
12	Studio Art 3-4	Advance Ceramics and Sculpture	

**\*Art Foundations can be taken as a 9<sup>th</sup> grader and allows four years of art courses for a student or Art Foundations can start the pathway course sequence in 10<sup>th</sup> grade.**

The Fine and Applied Arts Pathway at Central High School offers students an inspiring environment to explore and develop their artistic talents in state-of-the-art studio spaces within the newly added Arts and Library wing. Students in this pathway will gain hands-on experience by curating and setting up their own art displays for public exhibitions; visit local art galleries and artist studios, gaining insight into the professional art world; engage with accomplished artists through guest speaker events, learning about diverse career paths and the creative process.

This pathway nurtures creativity and provides students with enriching opportunities to connect with the art community, preparing them for future success in the arts.

## Instrumental Music Pathway

Grade	Required Pathway Classes	POSSIBLE CAREER FIELDS
9	Freshman Seminar and Band/Orchestra	<ul style="list-style-type: none"> <li>• Performer</li> <li>• Conductor</li> <li>• Music Educator</li> <li>• Music Therapist</li> </ul>
10	Band/Orchestra/Guitar and Music Elective	
11	Band/Orchestra/Guitar and Music Elective	
12	Band/Orchestra/Guitar and Music Elective	

The Instrumental Music Pathway offers students enriching opportunities to grow as musicians and performers while exploring diverse aspects of the performing arts.

Students in this pathway will refine their solo performance skills through instrumental lessons and mentorship with professional musicians, including members of the Omaha Symphony; audition for All-State and other prestigious honor bands and orchestras, as well as showcase their talents at festivals and competitions; broaden their musical horizons by selecting electives that align with their interests, exploring a wide range of styles and techniques; participate in unique performance opportunities both within the school and in the broader community. This pathway inspires musical excellence and prepares for success in the world of instrumental music.

## Music Technology Pathway

Grade	Required Pathway Classes	POSSIBLE CAREER FIELDS
9	Freshman Seminar	<ul style="list-style-type: none"> <li>• Music Production</li> <li>• Sound Engineering</li> <li>• Audio/Visual Specialist</li> <li>• Composer</li> </ul>
10	Music Fundamentals 1-2	
11	Music Technology 1-2	
12	Music Technology 3-4	

The Music Technology Pathway empowers students to explore the art and science of music creation and production using cutting-edge tools and technology. Students in this pathway will master the use of MIDI, GarageBand, and other industry-standard software and hardware to compose, produce, and record music. This hands-on experience allows students to develop technical expertise and unleash their creativity in the ever-evolving field of music technology.

# Global Arts Focus Area

## Theatrical Arts Pathway

### Required Pathway Classes

Grade	<i>Theatrical Performance</i>	<i>Technical Theater</i>	<b>POSSIBLE CAREER FIELDS</b>
9	Freshman Seminar	Freshman Seminar	<ul style="list-style-type: none"> <li>• Performer</li> <li>• Director</li> <li>• Technical Artist</li> <li>• Educator</li> </ul>
10	Drama 1-2	Stagecraft 1-2	
11	Acting Style and Techniques 1-2	Advanced Stagecraft 1-2	
12	Advanced Theatrical Performance 1-2 or Musical Theater and Dance 1-2 *Directing and Performing in Theater 1-2	Theatrical Design Production 1-2 *Adv Theatrical Design and Production 1-2	

The Theatrical Arts Pathway offers students an exciting and immersive journey into the world of theater, whether on stage or behind the scenes.

Students in this pathway will take part in up to three mainstage productions, along with other performances within the program; engage in prestigious events such as the International Thespian Society (ITS), Nebraska Thespian Festival, and the Nebraska High School Theater Academy; develop their talents as performers or explore the technical theater strand to master the art of creating magic "behind the scenes."; access unique opportunities for workshops and collaborations with renowned organizations like Omaha Performing Arts, The Rose Theater, Omaha Community Playhouse, 402 Arts Collective, and other theaters and guest artists in the community.

This pathway provides students with professional-level experiences and connections, preparing them for success in the theatrical arts.

## Vocal Music Pathway

Grade	Required Pathway Classes	<b>POSSIBLE CAREER FIELDS</b>
9	Freshman Seminar Jr. Chorus (Suggested)	<ul style="list-style-type: none"> <li>• Performer</li> <li>• Conductor</li> <li>• Music Educator</li> <li>• Music Therapist</li> </ul>
10	Bel Canto/A Cappella/Mixed Chorus and Music Elective	
11	Bel Canto/A Cappella/Mixed Chorus and Music Elective	
12	Bel Canto/A Cappella/Mixed Chorus and Music Elective	

The Vocal Music Pathway provides students with dynamic opportunities to refine their vocal skills, perform in diverse settings, and collaborate with renowned organizations.

Students in this pathway will perform at a variety of community venues, including schools, nursing homes, and locations like the Holland Center; enhance their solo voice through small group/private voice lessons and audition for state, regional, and national honor choirs; collaborate with college choirs, the Omaha Symphony, Omaha Performing Arts, and other esteemed community partners; travel with their choir to participate in festivals and competitions in other cities, expanding their musical horizons.

This pathway fosters artistic growth, community engagement, and unforgettable experiences in vocal music.





# DISCOVER YOUR FUTURE!

CONNECTING TODAY'S STUDENTS WITH TOMORROW'S CAREERS

## CONTACTS

**Jeremy Nielsen**  
Principal / Director

☎ 531-299-9505

✉ jeremy.nielsen@ops.org

Career Center Office - **Brenda McNair**

☎ 531-299-0330

✉ brenda.mcnaair@ops.org

🌐 <https://www.ops.org/careercenter>

## OVERVIEW

Student who are current  
**Who:** Freshman, Sophmores, & Juniors,  
(these students will become 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> graders next year)

**What:** Career Pathways courses -  
(2-3 year pathway sequences)

**When:** Application opens December 1  
Application closes March 27  
\*Late additions by April 30

**How:** Application Emailed to all OPS Students  
Linked on social MEDIA sites & website.

**Website:** <https://www.ops.org/careercenter>

**Requirements:** On track for graduation,

## SCHEDULE

A/B Alternating Block Schedule

Block 1: 8:15-10:30AM

Block 2: 12:00-2:15PM

## TRANSPORTATION

Bus Transportation provided by school district.

\*Students need approval to drive a personal car with proof of valid driver's license. Permission form is at Career Center and must be signed by parent and home school administrator

## CAREER CENTER PATHWAYS INFORMATION

### 5 - Trades / Skilled & Technical Sciences Pathways.

Automotive Tech, Automotive Collision, Construction, Electrical, & Welding

introduce students to respective careers in the trades. Students will gain strong foundational proficiency and skills through a 2-3 year course sequence. Student outcomes in each pathway include industry certifications, internships, apprenticeships, college credit, and sponsorships with a pipeline to the workforce.

### 2 - Health Pathways.

Basic Nursing Assistant (B/CNA) and Emergency Medical Technician (EMT)

Introduces students to careers in health and therapeutic services fields. Both programs are approved by the State of Nebraska. Students have access to job shadows, simulations, field experiences and more! The culmination for students is earning the nationally recognized industry credential.

- BNA/CNA students must be 16 by May of the calendar year
- EMT students must be seniors

### 2 - I.T. / Communications Pathways.

IT PC Repair & Networking and Digital Video Production (DVP)

Introduces students to a careers in IT / Communication fields. Students have access to college credit, certifications, network simulations, video experiences and more! Students work with specialized equipment and advanced technology in these pathways. Both pathways have 2-year course sequences.

Pathway Information



FOR MORE INFO or DETAILS - Pathway Booklet QR link →

## APPLICATION INFORMATION

- ✓ Applications are live on December 1, 2025 - March 13, 2026
- ✓ Application Link will be EMAILED to all 9th-11<sup>th</sup> Students.

### Prior to applying

Before beginning the application, students need to know the following information:

- Personal Information
  - Home address & Home School
  - Student ID number
  - GPA
  - School issued email address
  - Career Aspirations
  - Counselor name & email
- The Pathway/Course you are Interest in..
  - Auto Tech - Auto Collision - Construction
  - Electrical - Welding - IT/Networking
  - CNA Nursing - EMT - Digital Video Production

Look for a hardcopy of our Pathways Booklet in the **Counselors Office!**





# Hands-On Learning Real World Projects

# Pathways

In High Wage, High Skill, & High Demand Careers



THE PATHWAYS of  
The Career  
Center

### 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.

### 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:

<https://www.unmcedu/alliance/> (NOV 1<sup>st</sup>)

### 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.

### Access Zoo Academy Application: (NOV 1<sup>st</sup>)

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



**DISCOVER YOUR FUTURE!  
CC is the PLACE TO BE!**



**CAREER ACADEMY PROGRAMS**  
**2026-2027**

MCC's Career Academy program is designed to provide high school juniors and seniors with opportunities to jumpstart their postsecondary education. MCC Career Academies increase student knowledge in various career fields prior to high school graduation, so more informed career choices can be made. Through a MCC Career Academy, students gain practical skills for specific career areas, knowledge of safety procedures, job-seeking skills, interpersonal skills for the workplace, and exposure to a college environment.

**CAREER ACADEMIES BY LOCATION - \*\* INDICATES 2<sup>ND</sup> YEAR AVAILABLE**

**FORT OMAHA CAMPUS**

- Architecture
- Civil Engineering
- Construction Technology\*\*
- Culinary Arts
- Data Science
- Electrical Technology\*\*
- Heating Air and Refrigeration\*\*
- Horticulture, Land Systems and Management
- Pre-Apprenticeship Plumbing
- Web and Mobile App Development\*\*
- Welding Technology\*\*

**SOUTH OMAHA CAMPUS**

- Accounting
- Automotive Collision\*\*
- Automotive Technology
- Advanced Manufacturing\*\*
- Business Transfer\*\*
- Certified Nursing Assistant (CNA)
- Emergency Medical Technician (EMT)
- IT Technician - Cyber Security\*\*
- Powersports and Outdoor Equipment

**ELKHORN VALLEY CAMPUS**

- Digital Cinema/Filmmaking
- Photography

**SARPY CENTER**

- Business Transfer\*\*
- Criminal Justice
- Human Services

**APPLIED TECHNOLOGY CENTER**

- Diesel Technology\*\*
- Fire Science\*\*

**ONLINE**

- 3-D Animation and Games

**\*CAREER ACADEMY OFFERINGS AND LOCATIONS SUBJECT TO CHANGE**

***To Apply for a Career Academy:***

Applications are available December 2, 2025 from your high school counselor, and online at [www2.mccneb.edu/careeracademy](http://www2.mccneb.edu/careeracademy). All applicants must complete an application for MCC prior to submitting their Career Academy application. Application can be completed at [www.mccneb.edu/apply](http://www.mccneb.edu/apply).

Please submit the application to [secondarypartnerships@mccneb.edu](mailto:secondarypartnerships@mccneb.edu).

**Application Deadline: March 13, 2026**

**QUESTIONS:**

If you have questions about the MCC Career Academy Program, please contact one of the following:

- Your high school counselor
- Secondary Partnerships 531-MCC-2213 or [secondarypartnerships@mccneb.edu](mailto:secondarypartnerships@mccneb.edu)

# ART DEPARTMENT

The goal of the Art Department is to develop and nurture an application of the study of the visual arts past and present. A sequential program of instruction is aimed at mastery in the disciplines of aesthetics, art production, criticism, and art history. This program results from a wide range of experiences: use of art elements and principles of design, the vocabulary of art, the use of art tools and techniques in a variety of media, art survey, art and the artists in the community, and the exploration of continued studies and career opportunities in the field of art.

Grade	Fine Arts Pathway 2D Emphasis	Fine Arts Pathway 3D Emphasis	ELECTIVES
<b>9</b>	Freshman Seminar Art Foundations 1-2*	Freshman Seminar Art Foundations 1-2*	Applied Design ADV Applied Design AP Studio Art 2-D AP Studio Art
<b>10</b>	Intrmd Drawing and Painting 1-2	Beg Ceramics and Sculpture 1-2	
<b>11</b>	Studio Art 1-2	Intrmd Ceramics and Sculpture 1-2	
<b>12</b>	H Studio Art 3-4	Adv Ceramics and Sculpture 1-2	

## ART FOUNDATIONS 1-2

**110191/110192**

This course will provide students a solid foundation to drawing and design. Elements of art, principles of design, color theory and composition will be covered. Students will learn art techniques and concepts using a variety of 2D and 3D media to create original works of art. In addition to art production, students will use a variety of learning strategies including reading, analyzing, and interpreting to respond, connect and develop a deeper understanding of art from a variety of cultures and time periods.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 9, 10, 11, 12      Status: Elective credit*

### Fine and Applied Arts Pathway Course

## INTERMEDIATE DRAWING AND PAINTING (Honors Option)

**110241/110242**

This course offers an expansion of skills and knowledge of drawing, painting, and design concepts. An emphasis will be on idea generation; artistic investigations in techniques and media; beginning to develop of personal voice and style and the development of a greater awareness to art beyond school. In addition to art production, students will use a variety of learning strategies including reading, analyzing, and interpreting to respond, connect and develop a deeper understanding of art from a variety of contemporary, historical, cultural contexts, time periods and cultural settings.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Status: Elective credit*

*Prerequisite: Art Foundations 1-2 with a passing grade for both semesters*

### Fine and Applied Arts Pathway Course

## STUDIO ART 1-2 (Honors Option)

**110451/110452**

This course is designed for the serious art student who plans to take Advance Placement Art and/or art courses beyond high school. Students will work to develop technique, skill and personal style. Emphasis will be placed on building a body of work to be included in a portfolio. 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, aesthetics, art criticism and art history.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11, 12      Status: Elective credit*

*Prerequisite: Intermediate Drawing and Painting with a grade of "C" or better for both semesters or teacher permission*

### Fine and Applied Arts Pathway CAPSTONE Course

## H STUDIO ART 3-4

**110611/110612**

This course focuses on exhibitions, portfolios, scholarship preparation and career planning. Areas of concentration will be art production, art history, art criticism, and aesthetics. Students are strongly encouraged to enroll concurrently in another art class. Honors requirements are: attend formal exhibits and submit exhibit reviews/critiques; write an in-depth research paper; complete written abstracts about artists and their work; refine individual work for exhibition and/or competition each semester; participate in discussions and critiques and keep a drawing and reflection sketchbook.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 12      Status: Elective credit*

*Prerequisite: Studio Art 1-2 with a grade of "C" or better for both semesters or teacher permission*

### Fine and Applied Arts Pathway Elective Course

## BEGINNING CERAMICS AND SCULPTURE

**110701/110702**

This is a foundation course that emphasizes the art elements and principles of design to produce nonfunctional and functional three-dimensional art forms. This course explores ceramics in terms of form, function, and cultural expression. 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 and use the critical process to evaluate their own work, as well as examples taken from contemporary and historical clay artists.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Status: Elective credit*

*Prerequisite: Art Foundations 1-2 with a passing grade for both semesters*

### Fine and Applied Arts Pathway Course

## INTERMEDIATE CERAMICS AND SCULPTURE

**110711/110712**

In this course, students will be challenged with more advanced techniques and problems to create three-dimensional forms. Aesthetic issues related to form and function, the inherent expressive qualities of clay, and identifying good artisanship will be an ongoing part of the study. Students will create using methods of hand-building, the potter's wheel, and other sculptural techniques. Students will be exposed to firing techniques, different clay bodies, new glazes or surface treatments, contemporary and historical clay artists. The class will provide opportunities to expand skills; to develop a personal style; to develop creative ideas; to expand one's awareness of art beyond school, and to focus on presentation, exhibitions, scholarship preparation and career planning.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11, 12      Status: Elective credit*

*Prerequisite: Beginning Ceramics and Sculpture with a passing grade for both semesters.*

### Fine and Applied Arts Pathway CAPSTONE Course

**ADVANCED CERAMICS AND SCULPTURE****110751/110752**

This course is an advanced, more independent course providing students an opportunity to individualize projects, enhancing their style in the medium while further exploring the philosophical and historical aspects of clay art. Students will refine techniques and increase skill levels. Students may explore in greater depth the process of hand-building, the potter's wheel, sculptural techniques, firing techniques, clay bodies, glazes and sculpture techniques. 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 styles, and participating in workshops. This course will continue portfolio work, presentation, exhibitions, scholarship preparation and career planning. At least one student-initiated exhibit in a public forum will be required. This course can be taken concurrently with other art courses.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 12      Status: Elective credit*  
*Prerequisite: Intermediate Ceramics and Sculpture with a grade of "C" or better for both semesters or teacher permission*

**Fine and Applied Arts Pathway Course****APPLIED DESIGN 1-2****110431/110432**

This course explores design in crafts, with emphasis on function, decoration, and cultural context. Students will be introduced to notable crafts movements and styles, and use the critical process to examine their own work, and examples from art history. Emphasis will be on understanding the relationship of form and function in utilitarian and decorative objects; as well as recognizing the effect of advances in technology on craft traditions. Students will be creating objects in a variety of media, demonstrating the use of elements and principles of design and understanding aesthetic theory and the creative process. 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 and craft.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Status: Elective credit*  
*Prerequisite: Art Foundations with a passing grade for both semesters*

**Fine and Applied Arts Pathway Elective Course****ADVANCED APPLIED DESIGN 1-2 (Honors Option)****110441/110442**

This course expands on the concepts of Beginning Applied Design to emphasize creative use of design principles and advanced techniques in the creation of crafts and jewelry. Students will continue to explore the role of crafts and jewelry in various cultures throughout history and deepen their understanding of form versus function and fine art versus craft. Emphasis will be on craftsmanship, technique, function, expression, and content in examining works of others and in creating works of their own. 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 and craft.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11, 12      Status: Elective credit*  
*Prerequisite: Applied Design 1-2 with a grade of "C" or better for both semesters or teacher permission*

**Fine and Applied Arts Pathway Elective Course****AP 2-D ART & DESIGN (AP Studio Art 2-D)****110841/110842**

The AP 2D 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 2D 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 to create work that exists on a flat surface. Graphic design, digital imaging, photography, collage, fabric design, weaving, fashion design, fashion illustration, painting, printmaking are among the possibilities.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 12      Status: Elective credit*  
*Prerequisite: Studio Art 1-2 with grade of "B" or better or teacher permission, could take concurrently with H Studio Art 3-4*

**Fine and Applied Arts Pathway Elective Course****AP STUDIO DRAWING (AP Studio Art)****110391/110392**

The AP Drawing 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 Drawing students develop and apply skills of inquiry and investigation, practice, experimentation, revision, communication and reflection. Students will focus on the use of mark-making, line, surface, light and shade, and composition. Students can work with any materials, processes, and ideas. Drawing (analog or digital), painting, printmaking, and mixed media work are among the possibilities.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 12      Status: Elective credit*  
*Prerequisite: Studio Art 1-2 with grade of "B" or better and/or teacher permission, could take concurrently with H Studio Art 3-4*

**Fine and Applied Arts Pathway Elective Course**

# BUSINESS/MARKETING/INFORMATION TECHNOLOGY DEPARTMENT

*Business, marketing, and technology courses are designed to give students a head start in post-secondary courses or provide competencies to begin future training and employment upon graduation. Students should consider taking courses in business, marketing, and technology if they plan to take further courses after graduation, enter the work force, or add balance to their high school course selection.*

## BUSINESS

Grade	Required Courses	Int. Business and Finance Pathway	ELECTIVES
9	Freshman Seminar	Freshman Seminar	H Accounting 3-4 H Intro to Business Entrepreneurship (H)
10	Intro to Economics or H Economics	Princ of Bus, Mktng & Mgmt and International Bus	
11		Accounting 1-2	
12	Personal Finance or H Personal Finance	International Finance 1-2	

### 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 Schools Portrait of a Graduate, benchmarks of a College and Career continuum, and Nebraska's College and Career Readiness Standards.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 9      Status: Elective credit*

#### Freshman Academy Course

### INTRODUCTION TO ECONOMICS (Intro Economics)

**030461**

Introduction to Economics examines the key concepts of economics through study of various sectors of market systems. Fundamentals, micro, macro, and international economic concepts are presented and studied. Emphasis is given to the role of the citizen in America's market structure.

*Credit: 1 per semester      Duration: 1 semester      Grade Level: 10      Meets graduation requirement*

### H INTRODUCTION TO ECONOMICS (H Economics)

**030481**

Honors Introduction to Economics examines the key concepts of economics through study of various sectors of market systems. Fundamentals, micro, macro, and international economic concepts are presented and studied. 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. Honors students will also be expected to perform extension activities on their Curriculum Based Assessments (CBA) This is a one-semester course. Concurrent enrollment in Honors English 3-4 is highly recommended.

*Credit: 1 per semester      Duration: 1 semester      Grade Level: 10      Meets graduation requirement*

*Prerequisite: Grade of "B" or higher in US History 1-2 and parent/guardian permission required*

### 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 planning are integrated throughout the curriculum.

*Credit: 1 per semester      Duration: 1 semester      Grade Level: 12      Meets graduation requirement*

### H 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. This course is eligible for Dual Enrollment through Metropolitan Community College.

*Credit: 1 per semester      Duration: 1 semester      Grade Level: 12      Meets graduation requirement*

### PRINCIPLES OF BUSINESS, MARKETING AND MANAGEMENT (Honors Option) (Princ of Bus, Mktng & Mgmt)

**120021**

This course is designed as an introductory overview of the Business, Marketing, and Management Career Field. Units of study include economic systems, forms of business ownership, management, marketing, and accounting. Career opportunities will also be explored.

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

#### International Business and Finance/Entertainment and Sports Marketing Pathway Course

### INTERNATIONAL BUSINESS (International Bus)

**120901**

This one-semester course is designed to help students explore international career possibilities, learn about a world of cultural differences, increase their understanding of international economies, and acquire knowledge about conducting business at the global level.

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

#### International Business and Finance Pathway Course

### ENTREPRENEURSHIP 1 (Honors Option)

**120401/120402**

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, or actual creation of a student-run business.

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

#### Entertainment and Sports Marketing Pathway Course

**ACCOUNTING 1-2 (Honors Option)****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.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 10, 11, 12*      *Status: Elective credit*

**International Business and Finance Pathway Course****INTERNATIONAL FINANCE AND LAW 1-2 (Honors Option) (International Finance 1-2)****120531/12532**

This course will build on the knowledge of a business's financial behavior, examine the financial side of running a business, keeping records, investing, protecting against loss, obtaining credit, and making strategic decisions. Additional focus will be given to the exploration of the major components of the international financial system including the study of foreign trade, the international monetary system, foreign exchange rates, foreign exchange markets, international financial markets, and international banking.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 12*      *Status: Elective credit*

**International Business and Finance Pathway CAPSTONE Course****H ACCOUNTING 3-4****120201/120202**

This is a two-semester course that includes partnership and corporate accounting, adjustment in inventory control systems, budgetary control systems, and further enhancement of accounting skills.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 11, 12*      *Status: Elective credit*

*Prerequisite: Grade of "C" or better in Accounting 1-2*

**H INTRO TO BUSINESS (H Intro to Bus)****121051**

This college-level course surveys the structure and functions of the American business system in a global society, together with an overview of business organization, economics, management, marketing, and finance.

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

*Prerequisite: Parent permission and/or instructor permission*

**This college-level course is taught online by Metropolitan Community College and requires that students enroll for dual credit.** There is collaboration between a Central teacher and the Metro instructor to assist students with technology and curriculum.

**\*Please note that there is a cost associated with this course. Financial support may be available through the ACE Scholarship.**

**MARKETING**

Grade	<b>Entertainment and Sports Marketing Pathway</b>	<b>ELECTIVES</b>
9	Freshman Seminar	Marketing Intrn 1-2 Marketing Intrn 3-4
10	Princ of Bus, Mktng & Mgmt and Entrepreneurship 1	
11	ENT&Sports Mkt 1-2	
12	ENT and Sports Marketing 3-4	

**ENTERTAINMENT AND SPORTS MARKETING 1-2 (Honors Option) (ENT&Sports Mkt 1-2)****120891/120892**

The first year course is segmented into two instructional areas: the foundations of marketing & the marketing functions. The coursework will focus on the entertainment (music and arts industry) and the sports industry from the marketing perspective. Students will learn computer and technology applications, economic concepts, human resources concepts and marketing and business concepts. They also will study product/service planning, selling, financing, pricing, promotion, risk management, purchasing, distribution and market-information management. All case studies and projects will relate to the entertainment and sports industry. Students will connect with the entertainment and sports executives within the Omaha Metro Area. Students have the opportunity to enhance their learning through the professional students organization - DECA.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 11, 12*      *Status: Elective credit*

**Entertainment and Sports Marketing Pathway Course****ENTERTAINMENT AND SPORTS MARKETING 3-4 (Honors Option) (ENT and Sports Marketing 3-4)****120931/120932**

This course applies fundamental marketing concepts and theories as they relate to the sports and entertainment industries. Students will investigate the components of customer service, branding, product development, pricing and distribution, business structures, sales processes, digital media, sponsorships and endorsements, as well as promotion needed for sports and entertainment events.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 12*      *Status: Elective credit*

*Prerequisite: Marketing 1-2 with a grade of "C" or better or teacher recommendation*

**Entertainment and Sports Marketing Pathway CAPSTONE Course****MARKETING INTERNSHIP 1-2 (Marketing Intrn 1-2)****188701/188702**

The 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.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 11, 12*      *Status: Elective credit*

*Requisite: Concurrent enrollment in Entertainment and Sports Marketing 1-2*

**MARKETING INTERNSHIP 3-4 (Marketing Intrn 3-4)****188711/188712**

The 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.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 12*      *Status: Elective credit*

*Requisite: Concurrent enrollment in Entertainment and Sports Marketing 3-4*

## INFORMATION TECHNOLOGY

Grade	<b>Computer Science and Mathematics Pathway</b>	<b>ELECTIVES</b>
<b>9</b>	Freshman Seminar	Web Design 1-2 Web Design 3-4 Digital Media (semester) Advanced Digital Design AP Computer Science A 1-2 H Cybersecurity 1-2
<b>10</b>	Foundations of Computing 1-2	
<b>11</b>	Computational Models 1-2	
<b>12</b>	Computational Models 3-4	

### **WEB DESIGN 1-2** 130281/130282

Students will demonstrate knowledge of web design and languages, including HyperText Markup Language (HTML) and Cascading Style Sheets (CSS) to create a content rich and visually pleasing website that captures and keeps visitors' interests. Focus will be given to effective page layout, image creation and manipulation, interactivity, content creation, and project management.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 9, 10, 11, 12      Status: Elective credit*

### **WEB DESIGN 3-4** 130411/130412

This is an advanced level course in web design. Students will demonstrate knowledge of web design and languages, including HyperText Markup Language (HTML) and Cascading Style Sheets (CSS) to create a content rich and visually pleasing website that captures and keeps visitors' interests. Focus will be given to effective page layout, image creation and manipulation, interactivity, content creation, and project management. This course may be available for articulated or dual credit at a postsecondary institution.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Status: Elective credit*  
*Prerequisite: Web Design 1-2*

### **DIGITAL MEDIA (Honors Option)** 131471

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

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

### **FOUNDATIONS OF COMPUTING 1-2** 131691/131422

Foundations of Computing 1 focuses on computer literacy, educational technology, digital citizenship, information technology, and computer science. Students will develop a greater understanding of the a digital presence, as well as the impact of computing in society. Beyond learning the fundamentals of programming students build computational-thinking skills, communication skills, and productivity skills through the use of collaborative tools, modeling, and simulations.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Meets graduation requirement*

**Status: First Semester is a graduation requirement for the class of 2027 and beyond**

#### Computer Science and Mathematics Pathway Course

### **ADVANCED DIGITAL DESIGN (Honors Option)** 131451/131452

Students will focus on developing advanced skills to plan, design, and create interactive projects using elements of texts, graphics, and digital imaging. These skills will prepare students for entry-level positions in the digital design field. Students will demonstrate proper use of copyright and fair use throughout the course.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 9,10, 11, 12      Status: Elective credit*

### **AP COMPUTER SCIENCE PRINCIPLES 1-2 (AP Computer Sci Principles 1-2)** 131311/131332

Computer Science Principles introduces students to the foundations of computer science with a focus on how computing powers the world. Along with the fundamentals of computing, you will learn to analyze data, create technology that has a practical impact, and gain a broader understanding how computer science impacts people and society. Students who select NOT to participate in the AP exam are expected to take a cumulative, AP comparable, teacher-graded end of course exam. **Dual Enrolled**

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 9, 10, 11, 12      Status: Elective credit*

### **COMPUTATIONAL MODELS 1-2** 130241/130242

This course introduces students to the foundational elements of mathematical and computational thinking through real-world applications and interactive simulation. Visual patterns form the basis for explorations in arithmetic and geometric sequences, from which algebraic functions and corresponding functions in computer programs are reasoned.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11, 12      Status: Elective credit*

*Prerequisite: Foundations of Computing 1-2*

#### Computer Science and Mathematics Pathway Course

### **COMPUTATIONAL MODELS 3-4** 130251/130252

This level of computational models builds on the topics and concepts introduced in previous pathway courses. While continuing to learn processes involved in computational thinking, students design, plan and implement an investigation to address a specific problem. Through this inquiry, they learn research methodology and employ ethical research practices, all while accessing, analyzing, and synthesizing information. Students will produce an artifact or presentation to address their problem of choice.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 12      Status: Elective credit*

*Prerequisite: Computational Models 1-2*

#### Computer Science and Mathematics Pathway CAPSTONE Course

**AP COMPUTER SCIENCE A 1-2 (AP H Comp Sci A1-2)****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 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. Students who select NOT to participate in the AP exam are expected to take a cumulative, AP comparable, teacher-graded end of course exam.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 10, 11, 12*      *Status: Elective credit*  
*Prerequisite: Grade of A or B in AP Computer Science Principles 1-2*

**H 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.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 10, 11, 12*      *Status: Elective credit*  
*Prerequisite: Successful completion of Foundations of Computing or AP Computer A 1-2*

**ARCHITECTURE DESIGN ENGINEERING DEPARTMENT**

The goals of the Architecture Design Engineering Department are to provide students with a computer based, hands-on experience. Students will explore different areas related to drafting, such as: architecture, interior and exterior design, machine tool drafting, computer graphics, and engineering. CAD/Design Engineering will also aid students in the development of job related basic skills, which will allow a person to enter, maintain, and succeed in a career or post-secondary school.

Grade	Architectural Design Pathway	Robotics Pathway
<b>9</b>	Freshman Seminar	Freshman Seminar
<b>10</b>	Architecture Design Eng 1-2	Intro to Robotics 1-2
<b>11</b>	Architecture Design Eng 3-4	Robotic Concepts 3-4
<b>12</b>	Architecture Design Eng 5-6	Advanced Robotics 5-6

**ARCHITECTURE DESIGN ENGINEERING 1-2 (Architecture Design Eng 1-2)****172501/172502**

This is a foundational course in the Architectural Design Pathway for students interested in a variety of engineering and design professions. Upon completion of this course, students will build foundational skills in freehand sketching, fundamental technical drawing, and related measurement and math. Proficient students will be able to use computer aided design (CAD) software to create multi-view, sectional view, auxiliary view, and three-dimensional drawings using industry standard dimensioning and notation.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 10, 11, 12*      *Status: Elective credit*

**Architectural Design Pathway Course****ARCHITECTURE DESIGN ENGINEERING 3-4 (Architecture Design Eng 3-4)****172511/172512**

The second course in the Architectural Design Pathway. Students in this course build their skills in developing and representing design ideas using technical drawings and apply the design process to solve design problems. Students will utilize computer aided design (CAD) software to design and model a residential home with an emphasis on residential methods and materials of construction and codes. Students will also explore rendering techniques to create realistic visualizations of their designs, enhancing their presentation and communication of architectural concepts.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 11, 12*      *Status: Elective credit*

*Prerequisite: Successful completion of Arch. Design Engineering 1-2 Class is Dual Enrolled*

**Architectural Design Pathway Course****ARCHITECTURE DESIGN ENGINEERING 5-6 (Architecture Design Eng 3-4)****172521/172522**

Architecture Design Engineering 5-6 is the third course in the Architectural Design Pathway. In this capstone course, students will apply technical drawing and design skills developed in the previous courses to specific architectural projects and contexts. The course emphasizes the integration of Building Information Modeling (BIM) and rendering techniques to enhance design accuracy, collaboration, and visualization. Students will work individually and in teams to expand their problem-solving and critical-thinking skills, assessing project requirements to develop realistic plans. Through data collection and analysis, students will create informed designs and provide comprehensive information for project development and execution.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 12*      *Status: Elective credit*

*Prerequisite: Successful completion of Arch. Design Engineering 3-4*

**Architectural Design Pathway CAPSTONE Course****INTRODUCTION TO ROBOTICS 1-2 (Intro to Robotics 1-2)****172141/172142**

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

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 10, 11, 12*      *Status: Elective credit*

**Robotics Pathway Course**

**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. *Students will be required to participate in area robotics competitions.*

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 11, 12**Status: Elective credit**Prerequisite: Introduction to Robotics 1-2***Robotics Pathway Course****ADVANCED ROBOTICS CONCEPTS 5-6****172161/172162**

Students will thoroughly examine robotics design problem, develop an original possible solution and document the stages of the design process. The problem will require students to develop deeper understanding of robotics design, implementation, and problem solving for a specified criterion. This course applies science, technology, engineering and math (STEM) concepts. Examples would include transmission design, pneumatic controls and in-depth precision programming control.

*Students will be required to participate in area robotics competitions.**Credit: 1 per semester**Duration: 2 semesters**Grade Level: 12**Status: Elective credit**Prerequisite: Robotics Concepts 3-4***Robotics Pathway CAPSTONE Course****ENGLISH DEPARTMENT**

*The goals of the English Department are to develop basic skills in grammar and composition and to introduce the student to the literature of western civilization, emphasizing especially the English and American traditions. Students also encounter continental, Asian, African, Hispanic, and Native American literary texts in translation.*

Grade	Required Courses	Electives
9	English 1-2 <b>or</b> H English 1-2	Literacy Skills (only if required) Academic Literacy (only if required)
10	English 3-4 <b>or</b> AP Seminar	PhotoJournalism (semester course) Digital Journalism (semester course)
11	English 5-6 <b>or</b> AP Eng Lang and Comp 1-2 <b>or</b> IB English HL 1-2	<b>Courses Taken Together</b>
12	English 7-8 <b>or</b> Holocaust Literature <b>or</b> Global Issues/Social Justice <b>or</b> AP Eng Lit and Comp <b>or</b> IB English HL 3-4	Journalism 1-2 (H) Creative Writing 1-2 (rigorous course) Intro to Speech & Debate (H) H Acad Decathlon <b>(H)Honors Option</b>

Grade	Journalism Pathway	Recommended Progression	Recommended Progression
9	Freshman Seminar	H Newspaper Production 1-2	H Yearbook 1-2
10	Intro to Contemp Journalism 1-2	H Newspaper Production 3-4	H Yearbook 3-4
11	Adv Contemporary Journalism 3-4	*H Newspaper Production 5-6	H Yearbook 5-6
12	Adv Contemp Journ Leadership	*H Newspaper Production 7-8	H Yearbook 7-8
* *Honors Editorial Leadership			
Discuss this progression with the instructor of the course as some courses have different responsibilities.			

**ENGLISH 1-2****010341/010342**

English 1 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.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 9**Meets graduation requirement***HONORS ENGLISH 1-2****010351/010352**

Honors English 1 provides a more rigorous and intensive study of the English 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 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 1-2 course.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 9**Meets graduation requirement**Prerequisite: Either of the following\*: Grade of "A" in Eng Lang Arts-8 1-2 or Grade of "B" or higher in H Eng Lang Arts-8 1-2***ENGLISH 3-4****010411/010412**

This English 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.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 10**Meets graduation requirement*

**AP SEMINAR (HONORS ENGLISH 3-4)****010621/010622**

English 3-4 AP Seminar provides students the opportunity to develop and practice the skills in research, collaboration, and communication that are necessary in the study of any academic discipline. Students will investigate topics in a variety of subject areas, write research-based essays, and design and give presentations both individually and as part of a team.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10      Meets graduation requirement*

*Prerequisite: Grade of "B" or higher in English 1-2 and teacher permission strongly recommended. Parent/guardian permission required. **This class is offered as a cohort with Honors Economics and Honors Geography.***

**ENGLISH 5-6****010471/010472**

English 5-6 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.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11      Meets graduation requirement*

**AP ENGLISH LANGUAGE AND COMPOSITION 1-2 (AP Eng Lang and Comp)****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, but it also includes American literature and poetry. Through close reading and use of other AP learning strategies, students 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. Advanced educational credit may be available for students who successfully pass the AP Exam. Dual enrollment options may be available. Students who select NOT to participate in the AP exam are expected to take a cumulative, AP comparable, teacher graded end of course exam **Concurrent enrollment in AP World History is strongly recommended.**

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11      Meets graduation requirement*

*Prerequisite: Grade of "B" or higher in H. English 3-4 and teacher recommendation and parent/guardian permission*

**ENGLISH 7-8****010531/010532**

English 7-8 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.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 12      Meets graduation requirement*

**ENGLISH 7-8 (Holocaust Literature)**

English 7-8 (Holocaust Literature) covers the skills and standards described in the Nebraska State Standards for Language Arts. The guiding questions of this course influence the student's discovery and understanding of the Holocaust's themes. World literature focused on the Holocaust is the main emphasis. Students produce five required writing pieces. Selections include *Night*, *The Sunflower*, and selected short stories poems and films.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 12      Meets graduation requirement*

**ENGLISH 7-8 (Global Issues/Social Justice)**

English 7-8 (Global Issues/Social Justice) covers the skills and standards described in the Nebraska State Standards for Language Arts. The directives and guiding questions of this course influence the student's discovery and understanding of social justice themes. The emphasis of the class is on current issues in the world and social justice for all groups of people using modern narratives, Young Adult Literature, informational texts, and various forms of media. The goals of this class are to represent the voices of those who have been silenced and represent diverse groups and perspectives.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 12      Meets graduation requirement*

**AP ENGLISH LITERATURE AND COMPOSITION 1-2 (AP Eng Lit and Comp)****011901/011902**

AP English Literature and Composition is an AP 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. Students who select NOT to participate in the AP exam are expected to take a cumulative, AP comparable, teacher-graded end of course exam.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 12      Meets graduation requirement*

*Prerequisite: Grade of "B" or higher in AP English Language and teacher recommendation and parent/guardian permission*

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

Journalism 1-2 introduces students to the field of journalism including newspaper, photography, and yearbook. Students learn the history, law, and ethics of journalism as well as journalistic writing, reporting and interviewing, and layout and design. Students are expected to work both individually and collaboratively.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 9, 10, 11, 12      Status: Elective credit*

**INTRO TO CONTEMPORARY JOURNALISM 1-2 (Intro to Contemp Journalism 1-2)****022051/022052**

Intro to Contemporary Journalism 1-2: This course introduces students to the field of contemporary journalism which includes but is not limited to current mobile media practices focused on a variety of media platforms for the 21st century. Emphasis on the laws and ethics of both online and video journalism includes the development of skills in online newspaper and web design, podcasts, news broadcasting, and social media. Students specifically focus on the skills and technology needed to create a newsroom in any situation.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 9, 10, 11, 12      Status: Elective credit*

**Journalism Pathway Course**

**ADV CONTEMPORARY JOURNALISM 3-4****022851/022852**

This course builds on the foundation of Intro to Contemporary Journalism. Students will expand on their basic journalism skills to focus on production level coverage in topics such as: mobile sports coverage, mobile video storytelling, coverage across many social platforms and creating multiple modes of content with an emphasis on audio content (i.e. radio and podcasting). Students will learn to adapt story forms to reach the current generation of students and will stay up-to-date on the latest trends in information technology to engage their audience. Students will also earn the level of master in their programs and equipment and will use that knowledge to teach and support other journalism students. As they develop as leaders, students will learn about workflow, deadlines, and assignments.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Status: Elective credit*  
*Prerequisite: Intro to Contemporary Journalism 1-2*

**Journalism Pathway Course****ADV CONTEMPORARY JOURNALISM LEADERSHIP 5-6 (ADV Contemp Journ Leadership)****022951/022952**

This course provides students the opportunity to lead at the highest level. Students will continue to build leadership skills, create and enforce deadlines and workflows, and create content that reaches a diverse audience. Students will also find ways to reach new audiences and build community partnerships. They will work with creating content on a budget and managing and fundraising for projects and other necessities. Students will gather and use data for audience engagement and will be able to present data-driven decisions to their staff and adviser. The capstone for this course will require students to apply their knowledge and skills learned in previous pathway courses.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11, 12      Status: Elective credit*  
*Prerequisite: Adv. Contemporary Journalism 3-4*

**Journalism Pathway CAPSTONE Course****H NEWSPAPER PRODUCTION 1-2****021221/021222**

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

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 9, 10, 11, 12      Status: Elective credit*  
*Prerequisites: Journalism Adviser permission*

**H NEWSPAPER PRODUCTION 3-4****021241/02242**

Students enrolled in this course are responsible for the production of the online and print school newspaper, *The Register* and student journalism social media. Students work individually and collaboratively on their assignments. Quality writing, editing, advertising, photography, design and video skills are required. This advanced journalism course requires students to fill staff positions, write and edit stories, complete page layouts, take and edit photographs, design graphics, and sell ads for the school newspaper. This course requires teamwork and a time commitment well beyond class time

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Status: Elective credit*  
*Prerequisites: Journalism Adviser Permission*

**H NEWSPAPER PRODUCTION 5-6****021251/02252**

Students enrolled in this course are responsible for the production of the online and print school newspaper, *The Register* and student journalism social media. Students work individually and collaboratively on their assignments. Quality writing, editing, advertising, photography, design and video skills are required. This advanced journalism course requires students to fill staff positions, write and edit stories, complete page layouts, take and edit photographs, design graphics, and sell ads for the school newspaper. This course requires teamwork and a time commitment well beyond class time.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11, 12      Status: Elective credit*  
*Prerequisites: Journalism Adviser Permission*

**H NEWSPAPER PRODUCTION 7-8****021261/021262**

Students enrolled in this course are responsible for the production of the online and print school newspaper, *The Register* and student journalism social media. Students work individually and collaboratively on their assignments. Quality writing, editing, advertising, photography, design and video skills are required. Students will assume additional responsibilities and assignments. This course is for fourth year journalism students. Prerequisites: Successful completion of a "C" or higher in Honors News Production 5-6 AND requires Journalism Adviser Permission.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Status: Elective credit*  
*Prerequisite: Journalism Adviser Permission*

**PHOTOJOURNALISM 1****020841**

Photojournalism students learn and apply advanced photography and software techniques to produce high quality photographs for the yearbook/newspaper/website.

*Credit: 1 per semester      Duration: 1 semester      Grade Level: 9, 10, 11      Status: Elective credit*  
*Prerequisite: Strong interest in pursuing advanced study in Journalism and/or Yearbook*

**Taken Together****DIGITAL JOURNALISM****0204511**

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 positive and objective digital citizenship is in addition to acquiring skills that help to prepare them for advanced journalism courses.

*Credit: 1 per semester      Duration: 1 semester      Grade Level: 9, 10, 11      Status: Elective credit*  
*Prerequisite: Strong interest in pursuing advanced study in Journalism and/or Yearbook*

**H YEARBOOK 1-2****021231/021232**

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

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Status: Elective credit*  
*Prerequisite: "C" in Intro to Cont. Jrn. 1-2 or Journalism 1-2 or Intro to Photojournalism and teacher approval*

**H YEARBOOK 3-4****021331/021332**

Students enrolled in this course are responsible for the production of the school yearbook, THE O- BOOK. Students work individually and collaboratively on their assignments. Quality writing, editing, advertising, photography, and layout design skills are required. Students will assume additional responsibilities and assignments. This course is for second year yearbook students.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 10, 11, 12*      *Status: Elective credit*  
*Prerequisite: Journalism Adviser Permission*

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

Students enrolled in this course are responsible for the production of the school yearbook, THE O- BOOK. Students work individually and collaboratively on their assignments. Quality writing, editing, advertising, photography, and layout design skills are required. Students will assume additional responsibilities and assignments. This course is for third year yearbook students.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 11, 12*      *Status: Elective credit*  
*Prerequisite: Journalism Adviser Permission*

**H YEARBOOK 7-8****021441/021442**

Students enrolled in this course are responsible for the production and leadership of the school yearbook. Students work individually and collaboratively to lead other students and on their own assignments. Quality writing, editing, advertising, photography, and layout design skills are required along with leadership of peers. Students will assume additional responsibilities and assignments as needed. This course is for fourth year yearbook students.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 12*      *Status: Elective credit*  
*Prerequisites: Journalism Adviser Permission*

**H EDITORIAL LEADERSHIP****021281/021282**

Students enrolled in this class must also be concurrently enrolled in H. Yearbook 3-4 or H. Newspaper 3-4 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.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 10, 11, 12*      *Status: Elective credit*  
*Prerequisite: Journalism Adviser Permission*

**CREATIVE WRITING 1-2 (Honors Option)****020351/020352**

Creative Writing introduces students will be introduced to the multiple genres of creative writing including but not limited to poetry, fiction, nonfiction, screenplay, and graphic writing. Students will also be introduced to the elements that make up each genre by close reading texts by various authors. This class is designed to introduce students to writing beyond a formal paper and will help them find a genre they may want to pursue in the future. Students who choose to take the course for Honors credit form the editorial staff for Dimension (published annually) and Duct Tape (published quarterly), Central's literary publications. This course is eligible for Dual Enrollment through Metropolitan Community College if the student is 16 years or older.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 9, 10, 11, 12*      *Status: Elective credit*  
*Prerequisite: Grade of "C" or better in previous high school English classes or "B" in eighth grade English classes.*

**INTRO TO SPEECH & DEBATE (Honors Option)****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.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 9, 10, 11, 12*      *Status: Elective credit*

**HONORS ACADEMIC DECATHLON****031201/031202**

The United States Academic Decathlon® emphasizes the personal and academic growth of each student who, by meeting the challenges with honesty and integrity, can reap the rewards of greater self-knowledge and self-confidence. The ten-event academic program strives to foster a greater respect for knowledge, to promote wholesome inter-school academic competition, and to further develop student communication skills. This course requires extensive study and time commitments outside of school hours and is a year-long commitment.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 9\*, 10, 11, 12*      *Status: Elective credit*

**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.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 9, 10*      *Status: Elective credit*

**LITERACY SKILLS****011181/011182**

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.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 9, 10*      *Status: Elective credit*

## ENGLISH LEARNERS DEPARTMENT

The EL department works to empower English Learners (ELs) to be successful both inside and outside of the classroom. The sequence of courses prepares all EL students for their mainstream courses to reach graduation status. EL courses emphasize academic/social vocabulary, phonemic awareness, language comprehension, writing skills, study strategies, and technology literacy through content focused areas.

Year One (1) 7 courses	Year Two (2) 7 courses	Year Three (3) 8 courses	Year Four (4) 8 courses
ESL 1-2 (two class periods)	ESL 3-4 (two class periods)	* English 1-2 ELL	* English 5-6
ESL Reading 1-2	ESL Reading 3-4	ESL 5-6	*English 7-8 (or English 3-4 if not taken)
*Pre-Algebra (level depends on ability)	*Math (level depends on ability)	* Math (level depends on ability)	* Personal Finance and American Government
ESL Social Studies Found 1-2	*Physical Science 1-2 ELL (or equivalent)	* Biology 1-2	Pathway Course
*Science Foundations 3-4	*US History 1-2 ELL (or equivalent)	*World History 1-2	Math or Elective
*PE/Band/JROTC or Elective	Pathway/Elective Course	Pathway Course	Science Course or Elective
Freshman Seminar/Elective	Elective (PE if not taken)	Elective (or Economics/Human Geography if not taken)	Elective
*Course meets graduation requirement		Elective (Human Growth and Foundations of Computing)	Elective
Summer School Math Essentials 1-2, ESL 1 Enrichment or Science Foundations 3	Summer School Intro Economics AND Human Geography	Summer School English 3 (June) English 4 (July)	If student takes English 3-4 and English 5-6, English 7-8 will be taken in the summer at Accelerate. No more than 2 English classes per school year.

**\*\*Dependent on student test results Students may not follow the level exactly. It is dependent upon past schooling and reading level.**

This plan will provide students with the OPS HS graduation requirements in four years. Students must plan to attend summer school as well as the supportive learning opportunities on Saturdays, Spring Break and in July to meet these requirements.

### 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.

*Credit: 1 per semester*

*Duration: 2 semesters*

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

*Status: Elective credit*

*Prerequisite: EL students, placement determined by EL program*

### ESL READING 1-2

155211/155212

This course is designed to build reading skills in English for the English learners at beginning levels of English proficiency. 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 across multiple genres for varied purposes.

*Credit: 1 per semester*

*Duration: 2 semesters*

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

*Status: Elective credit*

*Prerequisite: EL students, placement determined by EL program*

### 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.

*Credit: 1 per semester*

*Duration: 2 semesters*

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

*Status: Elective credit*

*Prerequisite: EL students, placement determined by EL program*

**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.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 9, 10, 11, 12**Status: Elective credit**Prerequisite: EL students, placement determined by EL program.***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.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 9, 10, 11, 12**Status: Elective credit**Prerequisite: EL students, placement determined by EL program.***ESL SCIENCE FOUNDATIONS 3-4 (Science Foundations 3-4)****063141/063142**

This 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. This elective science course is intended for beginning proficiency level English learners (typically a first-year English learners with formal educational experiences).

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 9, 10, 11, 12**Meets Graduation Requirement**Prerequisite: EL students, placement determined by EL program.***ENGLISH 1-2 ELL****010371/010372**

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

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 9, 10, 11, 12**Meets Graduation Requirement**Prerequisite: EL students, placement determined by EL program***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.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 9, 10, 11, 12**Status: Elective credit**Prerequisite: EL students, placement determined by EL program***US HISTORY 1-2 ELL****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.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 9, 10, 11, 12**Meets graduation requirement**Prerequisite: EL students concurrently enrolled in ESL 3-4 or ESL 5-6***PHYSICAL SCIENCE 1-2 ELL****060901/060902**

Physical Science English as a Second Language 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 Physical Science 1-2 standards. Physical Science engages students in the three dimensions (science practices, disciplinary core ideas, and crosscutting concepts) of learning as identified by the Nebraska College and Career Ready Standards for Science. The topics include forces and interactions, waves and electromagnetic radiation, structure and properties of matter, energy, chemical reactions, space systems, weather and climate, and Earth's systems. This course provides a foundation for other science courses and meets the district requirement for Physical Science.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 9, 10, 11, 12**Meets graduation requirement**Prerequisite: EL students concurrently enrolled in EL English 1-2***ACADEMIC LANGUAGE STUDY EL 1-2****157101/157102**

This year-long course is designed to boost academic language development of Long Term English Learners (LTELs). This course will focus on teaching high leverage academic language, including vocabulary, syntax, and complex grammatical structures. Through the coursework, LTELs will engage in academic conversations and peer collaboration while reading authentic, increasingly complex information and literacy texts that are relevant to students' lives. The course curriculum will also aim to develop LTELs' academic writing skills to successfully write summaries, opinions, informative texts, and research papers. The course will provide LTELs with opportunities to make regular connections between coursework and the demands of college and the workplace.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 9, 10, 11, 12**Status: Elective credit**Prerequisite: EL students, placement determined by EL program*

## FAMILY AND CONSUMER SCIENCES DEPARTMENT

Family and Consumer Science courses empower individuals and families across the lifespan to manage the challenges of living and working in a diverse, global society. The work and family relationship is a unique focus of the discipline. The study of Family and Consumer Sciences helps the student develop an understanding of how individuals interact with others and with their surroundings; how individuals cope with change; and how individuals learn to manage their lives in a meaningful way.

Grade	Teaching as a Profession Pathway	Electives
9	Freshman Seminar	Family Living 1-2
10	Lifespan Development and Principles of Educ and Training	Sports Nutrition (semester course) Textile Const and Design 1-2 Textile Const and Design 3-4
11	Best Practices in Education	Textile Const and Design 5-6
12	Field Exp and Educ Training	Design Workshop 1-2

### LIFESPAN DEVELOPMENT

141161

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.

**\*Taken with Principles of Education and only for Pathway Students**

*Credit: 1 per semester*

*Duration: 1 semester*

*Grade Level: 10, 11, 12*

*Status: Elective credit*

**Teaching as a Profession Pathway Course**

### PRINCIPLES OF EDUCATION AND TRAINING (Principles of Educ and Training)

141171

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. Students will need to complete and pass a background check in order to go into classrooms for the 5 hours field observation and practicum experiences. This course can be dual enrolled through UNO, based on teacher HLC guideline credentials, for TED 1010 for 3 credits. **\*Taken with Lifespan Development and only for Pathway students**

*Credit: 1 per semester*

*Duration: 1 semester*

*Grade Level: 10, 11, 12*

*Status: Elective credit*

**Teaching as a Profession Pathway Course**

### BEST PRACTICES IN EDUCATION

141181/141182

This course is a continuation of the Teaching as a Profession pathway and is the third course in a four-course sequence. Students will further engage in topics related to instructional and assessment methods, including differentiation of instruction. Students will also develop active listening skills necessary for educators and demonstrate positive feedback techniques. Students will gain skills related to planning for instruction, which will be utilized in the field experience (the fourth course in this sequence). Classroom, laboratory, and educational leadership activities are supplemented through Nebraska Educators Rising, a career and technical student organization. Students will need to complete and pass a background check in order to go into classrooms for the 25 hours of field observation and practicum experiences. Recommended Level: Grades 10-12

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 11, 12*

*Status: Elective credit*

*Prerequisite: Lifespan Development and Principles of Education and Training*

**Teaching as a Profession Pathway course**

### FIELD EXPERIENCE AND EDUCATION TRAINING (Field Exp and Educ Training)

141191/141192

This course is a continuation of the Best Practices in Education and Training course and is the fourth course in a four-course sequence. Through this capstone experience, students will apply previously developed knowledge and skills into a structured workplace experience. Students will need to complete and pass a background check in order to go into classrooms for the 90 hours of field observation and practicum experiences. This volunteer experience may take place within a school environment for those seeking teaching careers, or within the business and industry community for those seeking careers in professional educational training. Goals are set cooperatively by students, their instructor, and respective supervising professionals. Opportunities may include experience teaching in a controlled setting by designing learning experiences and facilitating presentations. Students will focus on improving their instructional strategies through coaching from their teacher and supervising professionals. Classroom, laboratory, and educational leadership activities are supplemented through Nebraska Educators Rising, a career and technical student organization.

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 12*

*Status: Elective credit*

*Prerequisite: Best Practices in Education. Lifespan Development and Principles of Education and Training*

**Teaching as a Profession Pathway CAPSTONE course**

### TEXTILE CONSTRUCTION AND DESIGN 1-2 (Textile Const and Design 1-2)

140261/140262

Interested in Fashion Design? Interior Design? Clothing & Textiles construction? In this class, students explore the definition and application of elements and principles of design in living spaces, fashion and/or textiles. Design trends, inspiration sources, technical tools (hand and computer), fiber/fabric types and much more are explored through examples, exercises, critiques and creative projects. Basic sewing construction is learned in this class. A portfolio will be developed, which will be used in related upper-level courses for this Design program of study. Students are exposed to career opportunities and skills necessary for the design career fields of fashion, interiors and/or textiles.

*Credit: 1 per semester*

*Duration: 2 semesters*

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

*Status: Elective credit*

**TEXTILE CONSTRUCTION AND DESIGN 3-4** (Textile Const and Design 3-4)**140271/140272**

This intermediate Design program of study course expands upon the elements and principles of design learned in Textile Construction and Design 1-2. Hands-on projects combine sewing construction techniques, fashion trends, consumer skills, fibers and fabrics. This course also incorporates creative and technical design skills that are required in the clothing, textiles and fashion industry.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 10, 11, 12**Status: Elective credit**Prerequisite: Textile Construction and Design 1-2 with a grade of "C" or better***TEXTILE CONSTRUCTION AND DESIGN 5-6** (Textile Const and Design 5-6)**140281/140282**

In this advance course, students will learn to analyze scripts, look deeper into the meaning behind costuming, and learn the different construction techniques from Fashion to Costuming. Collaboration is encouraged between individuals and group participants to expand their design and construction skills as students learn to flat pattern garments, start a design performance piece, and dive deeper into industry techniques and skills for a career in Fashion or Costume Design.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 11, 12**Status: Elective credit**Prerequisite: Textile Construction and Design 3-4 with a grade of "C" or better***DESIGN WORKSHOP****140201/140202**

This course incorporates basic principles of apparel construction with the practical use of equipment. Garments that were designed in Computer Design for Fashion will be constructed in this class.

*Credit: 1 per semester**Duration: 1 semester**Grade Level: 12**Status: Elective credit**Prerequisite: Clothing and Textiles 5-6 with a grade of "C" or better and teacher recommendation***FAMILY LIVING 1-2****140791/140792**

This course focuses on the family as the basic unit of society, recognizing the diversity and responsibilities included in maintaining a strong family. Skills are strengthened in resource management, decision-making, communication skills, developing healthy relationships, and crisis management.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 9, 10, 11, 12**Status: Elective credit***SPORTS NUTRITION****140141**

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

*Credit: 1 per semester**Duration: 1 semester**Grade Level: 10, 11, 12**Status: Elective credit***INTERNATIONAL BACCALAUREATE PROGRAMMES**

Omaha Central High School is authorized as an International Baccalaureate® (IB) Diploma Programme (DP) and the Career-related Programme (CP). IB World Schools, including Central High School, share a common philosophy – a commitment to a high quality, challenging, international education.

**IB DIPLOMA PROGRAMME**

The IB Diploma Program (DP) is designed as an academically rigorous and balanced program of education with final examinations that prepare students for success at both the university and life beyond. The program has gained recognition and respect from the world's leading universities. Since the late 1960's, the program has:

- Provided an education that balances subject breadth and depth, and considers the nature of knowledge across disciplines through the unique theory of knowledge course.
- Encouraged international mindedness in IB students, starting with a foundation in their own language and culture.
- Developed positive attitudes toward learning that prepare students for a university education.
- Gained a reputation for its rigorous external assessment with published global standards, making this a qualification welcomed by universities worldwide.
- Emphasized the development of the whole student – physically, intellectually, emotionally and ethically.

To receive the IB Diploma from the International Baccalaureate Organization, a student must:

Enroll and pass exams in at least one course from each of the six core subject areas:

- Group 1 Language A (English)
- Group 2 Language B (World Language)
- Group 3 Social Science
- Group 4 Science
- Group 5 Mathematics
- Group 6 The Arts OR other IB Elective
- Complete the Theory of Knowledge (TOK) course and the requirements for this course
- Complete the Extended Essay (EE)
- Complete the Creativity, Activity, Service (CAS) component

The best preparation for success in the IB Diploma Programme is to take honors classes as freshmen and sophomores. Students and families will meet individually with the IB DP Coordinator to complete a tentative four-year plan. Students who develop an interest in the IB DP during 9<sup>th</sup> or 10<sup>th</sup> grade should see Mr. Nielson in room 236 for information. The *Intent to Participate* form for the IB Diploma Programme can be found on the Central High School website. Students will have Explorers designation in their schedule.

**\*SL is offered for Career-related Programme and IB Diploma students while HL is offered for IB Diploma students**

**IB ENGLISH HL 1-2****010461/010462**

This course is the first part of a two-year program of English studies. The course is designed to foster an appreciation for the literature and culture of the student's society and other international societies. Through the study of the varied works presented the student should gain an international perspective on literature and the thought processes of other cultures. Literature is considered to be the watchtower of culture and society and it is through this lens that students will peruse readings that should let them see the world through the eyes of craftsman honed work. Students will be taught to express their observations and analyzations orally and in writing. These skills will be developed by exploring the different means used by authors and reinforced by the study of varied works and commentaries. There is an overriding theme that will connect all of the pieces studied. There will be six major works presented in this course which will be divided into two parts of the overall four that are part of Language A of the Diploma Programme. Dual enrollment options may be available.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11      Meets graduation requirement*  
*Prerequisite: Honors English 3-4 and must be pursuing an IB Diploma or IB Career-related Certificate*

**IB ENGLISH HL 3-4****010521/010522**

This course is the conclusion of a two-year program. First semester is a detailed study of different literary genres, including the terms and techniques used by authors of each. Second semester is a study of one genre, focusing on the conventions, techniques, and history of that genre. Students will learn the skills of literary commentary and textual analysis in preparation for International Baccalaureate diploma exams. Dual enrollment options may be available.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 12      Meets graduation requirement*  
*Prerequisite: IB English HL 1-2*

**IB FRENCH SL 1-2****160321/160322****IB GERMAN SL 1-2****160421/160422****IB SPANISH HL 1-2****Spanish HL: 160541/160542****IB SPANISH SL 1-2****Spanish SL: 160521/160522**

This course gives students the possibility of reaching a high degree of competence in an additional language while exploring the culture(s) where the language is spoken. The course aims to develop the students' linguistic competence and intercultural understanding. Students will actively engage in more extensive conversations, read authentic materials and write comprehensive essays using a wider range of vocabulary and grammatical structures. Students would be expected to communicate orally and in writing in a variety of common situations and with a certain degree of fluency.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11      Status: Elective credit*

*Prerequisite: Honors French 5-6, Honors Spanish 5-6 or Honors German 3-4 and must be pursuing an IB Diploma or IB Career-related Certificate*

**IB FRENCH SL 3-4****160324/160325****IB GERMAN SL 3-4****160431/160432****IB SPANISH HL 3-4****Spanish HL: 160591/160592****IB SPANISH SL 3-4****Spanish SL: 160531/160532**

This course is the second year of the sequence and gives students the possibility of reaching a high degree of competence in an additional language while exploring the culture(s) where the language is spoken. The course aims to develop the students' linguistic competence and intercultural understanding. Students will actively engage in more extensive conversations, read authentic materials and write comprehensive essays using a wider range of vocabulary and grammatical structures. Students would be expected to communicate orally and in writing in a variety of common situations and with a certain degree of fluency.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 12      Status: Elective credit*

*Prerequisite: IB French, German or Spanish SL/HL 1-2*

**IB SPANISH AB INITIO SL 1-2****160771/160772**

The language ab initio course is organized into three themes: individual and society, leisure and work, and urban and rural environment. Each theme has a list of topics that provide the students with opportunities to practice and explore the language as well as to develop intercultural understanding. Through the development of receptive, productive and interactive skills, students should be able to respond and interact appropriately in a defined range of everyday situations.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11      Status: Elective credit*

*Prerequisite: Must be pursuing an IB Diploma, no previous Spanish Language experience and consultation with the IB Coordinator*

**IB SPANISH AB INITIO SL 3-4****160781/160782**

The continuation of IB Spanish ab initio SL 1-2, this course continues to explore the three themes: individual and society, leisure and work, and urban and rural environment. Each theme has a list of topics that provide the students with opportunities to practice and explore the language as well as to develop intercultural understanding. Through the development of receptive, productive and interactive skills, students should be able to respond and interact appropriately in a defined range of everyday situations.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 12      Status: Elective credit*

*Prerequisite: Must be pursuing an IB Diploma, no previous Spanish Language experience and consultation with the IB Coordinator*

**IB HISTORY SL 1-2****033271/033272****IB HISTORY HL 1-2****030391/030392**

The IB Diploma Programme higher level history course aims to promote an understanding of history as a discipline, including the nature and diversity of sources, methods and interpretations. Students are encouraged to comprehend the present by reflecting critically on the past. They are further expected to understand historical developments at national, regional and international levels and learn about their own historical identity through the study of the historical experiences of different cultures.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11      Status: Elective credit*

*Prerequisite: H Intro to Econ and H Geography or AP Human Geography and must be pursuing an IB Diploma or IB Career-related Certificate*

**IB HISTORY HL 3-4****030161/030162**

The IB History HL 3-4 is the second of a two-year sequence. It is designed to develop students' skills in processing information, discussion and writing, and analysis of historical documents and interpretations. Three interrelated topics will be studied deeply and through an internationally-minded lens during the course: The United States Civil War, The Second World War and the Americas, and The Cold War. Students are expected to complete all reading, writing, and research assignments with care and habits of thinking pertinent to the historian's craft.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 12      Status: Elective credit*

*Prerequisite: IB History HL 1-2*

**IB COMPUTER SCIENCE SL 1-2****SL: 131041/131042****IB COMPUTER SCIENCE HL 1-2****HL: 131051/131052**

The IB Computer science course is the study of computational systems, and the use and programming of computers to solve real world problems. It studies the theory, design, and architecture, of each of these. Computer science requires an understanding of programming, systems architecture and the underlying concepts of computational thinking. An awareness of the ethical issues related to, and the influence of, computer science on culture and society is an integrated part of the course. Computer science enables students to model, analyze, discover, and create systems to address highly complex problems. It facilitates and empowers them to innovate, explore and the acquire further knowledge and skills.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11, 12      Meets graduation requirements*

*Open to non-IB students: IB Computer Science SL 1-2 and it meets graduation requirements for Foundations of Computing 1*

**IB COMPUTER SCIENCE HL 3-4****131061/131062**

The second year of IB Computer Science HL builds on the skills from IB Computer Science year. The course is the study of computational systems, and the use and programming of computers to solve real world problems. It studies the theory, design, and architecture, of each of these. Computer science requires an understanding of programming, systems architecture and the underlying concepts of computational thinking. An awareness of the ethical issues related to, and the influence of, computer science on culture and society is an integrated part of the course. Computer science enables students to model, analyze, discover, and create systems to address highly complex problems. It facilitates and empowers them to innovate, explore, and acquire further knowledge and skills. In IB Computer Science HL, students add network organization, network security design, databases, theory of ADTs, application of databases and ADTs, and vulnerabilities to the course of study.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 12      Status: Elective credit*

*Prerequisite: IB Computer Science HL 1-2*

**IB SOCIAL CULTURAL ANTHROPOLOGY SL 1-2****033191/033192**

Social and cultural anthropology is the comparative study of culture and human societies. Anthropologists seek an understanding of humankind in all its diversity. This understanding is reached through the study of societies and cultures and the exploration of the general principles of social and cultural life. Social and cultural anthropology places special emphasis on comparative perspectives that make explicit our own cultural assumptions and those of others. Anthropologists explore problems and issues associated with the complexity of societies in local, regional and global contexts, and as such, it is a dynamic, exciting and highly relevant subject.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11      Status: Elective credit*

*Open to Non-IB students: will be expected to take IB test at end of year, will be charged \$125 for non-attendance*

**IB SOCIAL CULTURAL ANTHROPOLOGY HL 1-2****033171/033172**

Social and cultural anthropology is the comparative study of culture and human societies. Anthropologists seek an understanding of humankind in all its diversity. This understanding is reached through the study of societies and cultures and the exploration of the general principles of social and cultural life. Social and cultural anthropology places special emphasis on comparative perspectives that make explicit our own cultural assumptions and those of others. Anthropologists explore problems and issues associated with the complexity of societies in local, regional and global contexts, and as such, it is a dynamic, exciting and highly relevant subject.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11      Status: Elective credit*

**IB SOCIAL CULTURAL ANTHROPOLOGY HL 3-4****033181/033182**

The second year of Social and Cultural Anthropology HL includes more range and depth of understanding of anthropological theories as they relate to the ethnographic material studied first year including specific theories. HL students are assessed to the AO3 level. Theory will be assessed on papers 1 and 2. HL students study a fourth area of inquiry, reading one complete monograph for each area, plus a range of supplementary material and complete an additional essay question

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 12      Status: Elective credit*

*Prerequisite: IB Social Cultural Anthropology HL 1-2*

**IB BIOLOGY SL 1-2****SL: 060441/060442****IB BIOLOGY HL 1-2****HL: 060771/060772**

The IB Biology course is designed to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Biological concepts covered include: the process of evolution that drives the diversity of living things and provides a unifying thread; how biological systems utilize free energy and molecular building blocks to grow, to reproduce and to maintain dynamic homeostasis; the processes where by living systems store, retrieve, transmit and respond to information essential to life; and the interaction of biological systems to produce complex properties.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11      Meets graduation requirement*

*Prerequisite: Honors Biology and must be pursuing an IB Diploma or IB Career-related Certificate*

**IB BIOLOGY HL 3-4****060711/060712**

International Baccalaureate Biology HL 3-4 is designed to provide students with conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Biological concepts covered include: the process of evolution that drives the diversity of living things and provides a unifying thread; how biological systems utilize free energy and molecular building blocks to grow, to reproduce and to maintain dynamic homeostasis; the processes where by living systems store, retrieve, transmit and respond to information essential to life; and the interaction of biological system to produce complex properties.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 12      Meets graduation requirement*

*Prerequisite: IB Biology HL 1-2 or AP Biology 1-2*

**IB CHEMISTRY SL 1-2**  
**IB CHEMISTRY HL 1-2****SL: 060751/060752**  
**HL: 060761/060762**

IB Chemistry SL 1-2 is an exploration of the fundamental principles of chemistry. The students will be expected to learn general laboratory skills and use electronic data collection and analysis tools. The coursework will follow the IB curriculum and philosophy and will include the following topics: Quantitative chemistry, Atomic structure, Periodicity, Bonding, Energetics, Kinetics, Equilibrium, Acids and bases, Oxidation and reduction, Organic chemistry, and Measurement and data processing, and one additional topic. Students must also complete a cross disciplinary group project and a rigorous individual lab report.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 11*      *Meets graduation requirement*  
*Prerequisite: Honors Chemistry and must be pursuing an IB Diploma or IB Career-related Certificate*

**IB CHEMISTRY HL 3-4****060171/060172**

IB Chemistry HL 3-4 is a continuation of the fundamental principles of chemistry developed in the IB Chemistry HL 1-2 course. The course expectations for IB Chemistry HL 3-4 will be similar to the HL 1-2 course in the selection of topics but the treatment of the material will be more in depth. The students will be expected to maintain general laboratory skills and utilize electronic data collection and analysis. The course work will follow the IB curriculum and philosophy and will include the following topics: Quantitative chemistry, Atomic structure, Periodicity, Bonding, Energetics, Kinetics, Equilibrium, Acids and bases, Oxidation and reduction, Organic chemistry, and Measurement and data processing, and one additional topic, and a rigorous individual lab report.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 12*      *Meets graduation requirement*  
*Prerequisite: IB Chemistry HL 1-2 or AP Chemistry 1-2*

**IB ENVIRONMENTAL SYSTEMS AND SOCIETY (ESS) SL 1-2 (IB ENV Systems Societies SL 1-2)****063731/063732**

ESS is a complex course, requiring a diverse set of skills from its students. It is firmly grounded in both a scientific exploration of environmental systems in their structure and function and in the exploration of cultural, economic, ethical, political, and social interactions of societies with the environment. As a result of studying this course, students will become equipped with the ability to recognize and evaluate the impact of our complex system of societies on the natural world. The interdisciplinary nature of the course requires a broad skill set from students and includes the ability to perform research and investigations and to participate in philosophical discussion. The course requires a systems approach to environmental understanding and problem-solving, and promotes holistic thinking about environmental issues. It is recognized that to understand the environmental issues of the 21<sup>st</sup> century and suggest suitable management solutions, both the human and environmental aspects must be understood. Students should be encouraged to develop solutions from a personal to a community and to a global scale. Through the exploration of cause and effect, the course investigates how values interact with choices and actions, resulting in a range of environmental impacts. Students develop an understanding that the connections between environmental systems and societies are diverse, varied and dynamic. The complexity of these interactions challenges those working towards understanding the actions required for effective guardianship of the planet and sustainable and equitable use of shared resources.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 11*      *Status: Elective credit*  
*Prerequisite: Honors Biology and must be pursuing an IB Diploma or IB Career-related Certificate*

**IB PHYSICS SL 1-2**  
**IB PHYSICS HL 1-2****SL: 060781/060782**  
**HL: 060881/060882**

IB Physics HL is designed to provide opportunities for scientific study and creativity within an international and historical context that will stimulate and challenge students. Students develop traditional practical skills and techniques and increase facility in the use of mathematics, the language of physics. They also develop interpersonal skills as well as information and communication technology skills, which are essential in modern scientific endeavors. Students, moreover, study the impact of physics on society, the moral and ethical dilemmas, and the social, economic and environmental implications of the work of physicists. The coursework will follow the IB curriculum and philosophy and will include the following topics in depth with two of the optional topics: Physics and Physical Measurement, Mechanics, Thermal Physics, Oscillations and Waves, Electronic Currents, Fields and Forces, Atomic and Nuclear Physics, Energy, Power and Climate Change. Optional topics only for HL are: Motion in Fields, Thermal Physics, Wave Phenomena, Electromagnetic Induction, Quantum Physics and Nuclear Physics, and Digital Technology. Students must also complete a cross disciplinary group project.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 11*      *Meets graduation requirement*  
*Prerequisite: Honors Physics and must be pursuing an IB Diploma or IB Career-related Certificate*

**IB PHYSICS HL 3-4****060981/060982**

IB Physics HL 3-4 is designed to provide opportunities for scientific study and creativity within an international and historical context that will stimulate and challenge students. Students develop traditional practical skills and techniques and increase facility in the use of mathematics, the language of physics. They also develop interpersonal skills as well as information and communication technology skills, which are essential in modern scientific endeavors. Students, moreover, study the impact of physics on society, the moral and ethical dilemmas, and the social, economic and environmental implications of the work of physicists. The coursework will follow the IB curriculum and philosophy and will include the following topics in depth with two of the optional topics: Physics and Physical Measurement, Mechanics, Thermal Physics, Oscillations and Waves, Electronic Currents, Fields and Forces, Atomic and Nuclear Physics, Energy, Power and Climate Change. Optional topics only for HL are: Motion in Fields, Thermal Physics, Wave Phenomena, Electromagnetic Induction, Quantum Physics and Nuclear Physics, and Digital Technology. Students must also complete a cross disciplinary group project.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 12*      *Meets graduation requirement*  
*Prerequisite: IB Physics HL 1-2*

**IB MATHEMATICS: SL 1-2****042111/042112**

A standard Level course in the IB diploma programme. This course is for students who already possess knowledge of basic mathematical concepts and who are equipped with the skills needed to apply simple mathematical techniques correctly. Topics include algebra, functions and equations, trigonometry, matrices, and vectors. This is the first semester of a year-long course.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 11*      *Meets graduation requirement*  
*Prerequisite: Algebra 3-4 and must be pursuing an IB Diploma or IB Career-related Certificate*

**IB MATHEMATICS: APPLICATIONS AND INTERPRETATION SL 1-2** (IB Math Applicat Interpret SL 1-2) **SL: 042151/042152**  
**IB MATHEMATICS: APPLICATIONS AND INTERPRETATION HL 1-2** (IB Math Applicat Interpret HLL 1-2) **HL: 042151/042152**

This course is designed for student who enjoy describing the real world and solving practical problems using mathematics, those who are interested in harnessing the power of technology alongside exploring mathematical models and enjoy, the more practical side of mathematics.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 11*      *Meets graduation requirement*

*Prerequisite: Algebra 3-4 and must be pursuing an IB Diploma or IB Career-related Certificate*

**IB MATHEMATICS: ANALYSIS AND APPROACHES SL 1-2** (IB Math Analysis Approach SL 1-2) **042191/042192**

This course is intended for students who wish to pursue studies in mathematics at university or subjects that have a large mathematical content. It is for students who enjoy developing mathematical arguments, problem solving and exploring real and abstract applications, with and without technology.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 11*      *Meets graduation requirement*

*Prerequisite: Honors Algebra 3-4 and must be pursuing an IB Diploma or IB Career-related Certificate*

**IB MATHEMATICS: ANALYSIS AND APPROACHES HL 1-2** (IB Math Analysis Approach HL 1-2) **042211/042212**

This course is intended for students who wish to pursue studies in mathematics at university or subjects that have a large mathematical content. It is for students who enjoy developing mathematical arguments, problem solving and exploring real and abstract applications, with and without technology. This course delves deeper into the content than IB Math Analysis and Approaches SL.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 11*      *Meets graduation requirement*

*Prerequisite: AP Pre-calc/Trig and must be pursuing an IB Diploma*

**IB MATHEMATICS: APPLICATIONS AND INTERPRETATIONS SL 3-4** (IB Math Applicat Interpret SL 3-4) **042161/042162**

This is the second year of IB Math Applications and Interpretations. The course is designed for students who enjoy describing the real world and solving practical problems using mathematics, those who are interested in harnessing the power of technology alongside exploring mathematical models and enjoy the more practical side of mathematics.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 12*      *Meets graduation requirement*

*Prerequisite: IB Mathematics: Applications and Interpretations SL 1-2*

**IB MATHEMATICS: ANALYSIS AND APPROACHES SL 3-4** (IB Math Analysis Approach SL 3-4) **042201/042202**

This is the second year of IB Math Analysis and Approaches SL. The course is intended for students who wish to pursue studies in mathematics at university or subjects that have a large mathematical content. It is for students who enjoy developing mathematical arguments, problem solving, and exploring real and abstract applications, with and without technology.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 12*      *Meets graduation requirement*

*Prerequisite: IB Mathematics: Analysis and Approaches SL 1-2*

**IB MATHEMATICS: ANALYSIS AND APPROACHES HL 3-4** (IB Math Analysis Approach HL 3-4) **042241/042242**

This is the second year of IB Math Analysis and Approaches HL. The course is intended for students who wish to pursue studies in mathematics at university or subjects that have a large mathematical content. It is for students who enjoy developing mathematical arguments, problem solving, and exploring real and abstract applications, with and without technology. This course dives deeper into the content than IB Math Analysis and Approaches SL.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 12*      *Meets graduation requirement*

*Prerequisite: IB Mathematics: Analysis and Approaches HL 1-2*

**IB ART SL 1-2** **SL: 110201/110202**

**IB ART HL 1-2** **HL: 11021/110262**

Serious and highly motivated students who successfully completed a second year of art are invited to enroll in this demanding and college preparatory class. Students will develop and maintain an Investigative Work Book (sketchbook) which includes an investigation of the technical use of material and subject matter, in addition to creating art work with international-mindedness and an appreciation and awareness of many cultures as part of their investigative study. Second semester will be "student directed" work with guidance of the art instructor. This class requires an additional period each day of independent work. The HL option will require two years in the class. The SL option can be taken for one or two years.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 11*      *Status: Elective credit*

*Prerequisite: Art Foundations (a second year of art is strongly recommended) and must be pursuing an IB Diploma or IB Career-related Certificate*

**IB ART SL 3-4** **SL: 110311/110312**

**IB ART HL 3-4** **HL: 110271/110272**

Serious and highly motivated students who successfully completed three years of art, including the first year of IB Art are invited to enroll in this demanding and college preparatory class. Students will maintain an Investigative Work Book (sketchbook), which includes an investigation of the technical use of material and subject matter, in addition to creating art work with international mindedness and an appreciation of many cultures as part of their study. Students will direct their own lessons, with the guidance of the art instructor. Students will do a display of their work and will also submit their work for external assessment in the spring. This class requires an additional period each day of independent work.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 12*      *Status: Elective credit*

*Prerequisite: IB Art HL/SL 1-2*

**IB THEORY OF KNOWLEDGE (TOK) 1-2****030021/030022**

Theory of Knowledge 1-2 is a course designed to encourage each student to reflect on the nature of knowledge by critically examining different ways of knowing (perception, emotion, language, reason, intuition, imagination, memory and faith) and different areas of knowledge (studies in language and literature, language acquisition, individuals and societies, sciences, mathematics and the arts). Course assessments focus on building the knower's perspective, knowledge issues, and presentation/organization of ideas through small class Socratic seminars, reflective journaling and presentations. The course covers content thematically and TOK 1-2 focuses on the themes of certainty, evidence, interpretation, explanation, technology, values, culture, truth, belief, and intuition. As part of TOK, the other components of the IB Core, the Extended Essay, and CAS (Creativity, Action, and Service), will be addressed. Explicit instruction and review of the Approaches to Teaching and Learning (ATL) skills: thinking skills, communication skills, social skills, self-management skills, and research skills will be included.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11      Status: Elective credit*  
*Open to Non-IB students, Passing IB exam results in 3 credits at University of Nebraska*

**IB THEORY OF KNOWLEDGE (TOK) 3-4****030031/030032**

Theory of Knowledge 3-4 is the second year of a two-year course sequence. The second year is designed to encourage each student to begin synthesizing course concepts as they relate to the ways of knowing and areas of knowledge. The course reviews the same thematic concepts from TOK 1-2, but places stronger emphasis on truth, technology, culture, values, and experience as they relate to the areas of knowledge. The course culminates in two summative assessments: an essay on a prescribed title and a presentation.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 12      Status: Elective credit*  
*Prerequisite: IB TOK 1-2*

**IB Career-related Programme**

For students that have chosen either the Architectural Design, Global Health, Instrumental Arts, Vocal Music, Theatrical Arts, or Teaching as a Profession as their CHS pathway of study, may also choose to complete the IB Career-related Programme (IBCP).

The Career-related Programme requires the study of at least two Diploma Programme courses alongside the unique Career-related Programme core and a career-related study (CHS pathway). At least one of the Diploma courses must be studied over two years.

**The Career-related Programme Core**

The components of the core are at the heart of the Career-related Programme and are designed to enhance students' personal qualities and professional development.

The Career-related Programme core contextualizes the Diploma Programme courses and the career-related study and draws all aspects of the framework together. The core is designed to develop many of the characteristics and attributes described in the IB learner profile. All components of the core are mandatory. They are:

- personal and professional skills · community engagement · language and cultural studies · reflective project ·

**Personal and professional skills**

The personal and professional skills course aims to develop responsibility, practical problem-solving, good intellectual habits, ethical understandings, perseverance, resilience, an appreciation of identity and perspective, and an understanding of the complexity of the modern world. Emphasis is on the development of skills needed to successfully navigate higher education, the workplace and society.

**Community Engagement**

Service learning is the practical application of knowledge and skills towards meeting an identified community need. Through service, students develop and apply personal and social skills in real-life situations involving decision-making, problem-solving, initiative, responsibility and accountability for their actions.

**Language and Cultural Studies**

Language development ensures that all students have access and are exposed to an additional language, which is a central tenet of an IB education and will increase their understanding of the wider world. Students are encouraged to begin or extend the study of a language other than their best language that suits their needs, background and context. It develops students in the areas of oral, visual and written linguistic and communicative abilities.

**Reflective project**

The reflective project is an in-depth body of work produced over an extended period and submitted in year 2 of the Career-related Programme. Through the reflective project, students identify, analyze, discuss and evaluate an ethical dilemma associated with an issue from their career-related studies. This work encourages students to engage in personal inquiry, intellectual discovery, creativity, action and reflection, and to develop strong thinking, research and communication skills.

Source: Overview of the Career-related Programme.

**IB CAREER PROGRAMME CORE 1-2****131071/131072**

The IBCP CORE is at the heart of the Career-related Programme and is designed to enhance students' personal qualities and professional development. The IBCP CORE is comprised of four components: personal and professional skills, service learning, language development and the reflective project. Successful completion of the CORE is required by IBO for awarding the IB Career Programme certificate.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11      Status: Elective credit*  
*Prerequisite: Must be pursuing IB Career-related Programme Certificate*

**IB CAREER PROGRAMME CORE 3-4****131081/131082**

The IBCP CORE is at the heart of the Career-related Programme and is designed to enhance students' personal qualities and professional development. The IBCP CORE is comprised of four components: personal and professional skills, service learning, language development and the reflective project. Successful completion of the CORE is required by IBO for awarding the IB Career Programme certificate.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 12      Status: Elective credit*  
*Prerequisite: IB Career Programme Core 1-2 and must be pursuing IB Career-related Programme Certificate*



CURRICULUM AND INSTRUCTION SUPPORT

# OPS Mathematics Course Options

**Pre-Algebra 1-2**  
040161/040162

**Algebra 1-2**  
040271/040272

**Geometry 1-2**  
040351/040352  
**H Geometry 1-2**  
040361/040362

**Essential Concept Courses**

See the complete course guide for more detailed descriptions of each course.

After a student completes the **Essential Concept Courses**, they have choice to pursue mathematics based on their own personal needs, goals, and aspirations. Academy and pathway documents may also serve as a resource.

Course choices should be based on students' desire to pursue the future that they imagine for themselves rather than on mathematical ability perceived by anyone else.  
*(Catalyzing Change in Mathematics, 2018)*

**Course Options available *any time* after Geometry 1-2**  
Note: 6 credits of math are required for graduation

**Algebra 3-4**  
040291/040292  
**H Algebra 3-4**  
040301/040302

**Data and Statistics 1-2**  
049601/049602

**MCC Business Math 1220 1-2**  
049501/049502  
**MCC Technical Math 1240 1-2**  
049511/049512  
*not NCAA eligible*

**Course Options available *any time* after Algebra 3-4**  
Note: 4-year colleges and universities prefer students complete one course beyond Algebra 3-4

**AP Precalculus 1-2**  
040801/040802

**AP Statistics 1-2**  
040841/040842

**College Algebra 1-2**  
049701/049702

**Course Options available after AP Precalculus 1-2 or H Algebra 3-4**  
Note: AP courses have college credit bearing options through dual enrollment and/or credit by examination

**AP Calculus AB 1-2**  
040451/040452

**AP Calculus BC 1-2**  
040461/040462

**AP Statistics 1-2**  
040841/040842

**H Calculus 3/H Diff Equations**  
040471/040541

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

## MATHEMATICS DEPARTMENT

The goals of the Mathematics Department are to improve and extend arithmetical skills, to develop a facility with the kinds of problems most citizens meet, to develop a facility with mathematical skills and concepts necessary to use in jobs, technical schools, armed services, and college work; and, to provide personal enjoyment. It is the goal of the department to provide opportunities for each student to progress in mathematics as far as personal ability, maturity, interest, and time allow.

	<i>Suggested Progression</i>	<i>Optional</i>
<p>Students should discuss with their teachers which level they would be most successful, or which is best for their career path.</p> <p>6 semesters required for graduation</p>	Pre-Algebra	<p><b>Data &amp; Statistics 1-2</b>                      Pre-Requisite: Geometry 1-2                      Take Algebra 3-4 first if planning on 4-year college</p>
	Algebra 1-2	
	Geometry 1-2 <b>or</b> H Geometry 1-2	
	Algebra 3-4 <b>or</b> H Algebra 3-4	
	College Algebra <b>or</b> AP Statistics <b>or</b> AP PreCalculus Pre-requisite: Algebra 3-4, H Algebra 3-4 for AP PreCalculus	<p><b>H Enrichment Math</b>                      Pre-requisite: Concurrent enrollment in Honors Math course, open to 9<sup>th</sup>-12<sup>th</sup> students</p>
	AP Calculus AB 1-2 <b>or</b> AP Calculus BC 1-2 Pre-requisite: AP PreCalculus	
	H Calculus 3 (1 semester) <b>AND</b> H Diff Equations (1 semester) Pre-requisite: AP Calculus AB 1-2 or BC 1-2	
	H Advanced Topics Pre-requisite: H Calculus 3 and H Diff Equations	

### 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 percents, solving linear equations and inequalities, graphing linear equations, working with polynomials, and using measures of central tendency to interpret data.

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 9*

*Meets graduation requirement*

### ALGEBRA 1-2

**040271/04072**

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.

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 9, 10*

*Meets graduation requirement*

### 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. Students enrolling in Geometry 1-2 should have passing grades in both semesters of Algebra 1-2.

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 9, 10, 11*

*Meets graduation requirement*

*Prerequisite: Must have passed Algebra 1-2 in high school or earned a "B" or higher in Algebra 1-2 in middle school*

### 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. This course is the first semester of Honors Geometry 1-2. Students enrolling in this course should have proficient or advanced grades in both semesters of Algebra 1-2 and teacher recommendation

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 9, 10*

*Status: Elective credit*

*Prerequisite: Must have passed Algebra 1-2 in high school or earned a "B" or higher in Algebra 1-2 in middle school*

### 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.

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 10, 11, 12*

*Meets graduation requirement*

*Prerequisite: Must have passed Algebra 1-2 and have taken Geometry 1-2. 9<sup>th</sup> graders cannot enroll in Algebra 3-4.*

**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.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 9, 10, 11*      *Meets graduation requirement*

*Prerequisite: For incoming 9<sup>th</sup> graders - Any one of the following\*: Grade of "A" in Algebra 1 and 2 or Geometry 1 and 2, Grade of "B" or higher in Honors Algebra 1 and 2 or Honors Geometry 1 and 2, MAP Math score at or above a score determined by District Math Supervisor For grades 10-12 – Grade of "B" or higher in Honors Algebra 1 and 2 or Honors Geometry 1 and 2*

**DATA AND STATISTICS****049601/049062**

This course is designed to equip students with the mathematical, statistical, and computational skills necessary to explore life situations. Students will engage with data and statistics in order to be able to determine correlations, make sound predictions, and develop conclusions.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 10, 11, 12*      *Meets graduation requirement*

*Prerequisite: Geometry 1-2 or Honors Geometry*

**COLLEGE ALGEBRA****049701/049702**

In this course students learn math skills required for further mathematics courses. Topics include: functions and their inverses; polynomial, radical, exponential and rational expressions and equations; graphing functions using transformations. Topics in probability and statistics are also addressed.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 11, 12*      *Meets graduation requirement*

*Prerequisite: Algebra 3-4 or Honors Algebra 3-4*

**AP PRE-CALCULUS 1-2****040801/040802**

This course provides students with an understanding of the concepts of college algebra, trigonometry, and additional topics that prepare students for further college-level mathematics courses. This course explores a variety of function types and their applications--polynomial, rational, exponential, logarithmic, trigonometric, polar, parametric, vector-valued, implicitly defined, and linear transformation functions using matrices.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 10, 11, 12*      *Meets graduation requirement*

*Prerequisite: Grade "B" or higher in Honors Algebra 3-4 OR teacher recommendation and parent/guardian/student signature indicating a full year commitment. Note, 9<sup>th</sup> graders in AP Pre-Calc 1-2 as 9<sup>th</sup> graders have been on a unique accelerated path since 6<sup>th</sup> grade or earlier.*

**AP STATISTICS 1-2****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. Students who select NOT to participate in the AP exam are expected to take a cumulative, AP comparable, teacher-graded end of course exam.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 11, 12*      *Meets graduation requirement*

*Prerequisite: Algebra 3-4, Honors Algebra 3-4 and teacher recommendation if taken concurrently with AP Pre-Calc*

**AP CALCULUS AB 1-2****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. Students enrolling in this course should have proficient or advanced grades in both semesters of Honors Pre-calculus/Trigonometry 1-2, or teacher recommendation. College Dual Enrollment may be available with this course. Students who select NOT to participate in the AP exam are expected to take a cumulative, AP comparable, teacher-graded end of course exam.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 11, 12*      *Meets graduation requirement*

*Prerequisite: Grade of "B" or higher in AP Pre-Calc and teacher recommendation and parent/guardian/student signature indicating a full year commitment*

**AP CALCULUS BC 1-2****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. Students enrolling in this course should have proficient or advanced grades in both semesters of Honors Pre-calculus/Trigonometry, or teacher recommendation. College Dual Enrollment may be available with this course. Students who select NOT to participate in the AP exam are expected to take a cumulative, AP comparable, teacher-graded end of course exam.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 11, 12*      *Meets graduation requirement*

*Prerequisite: Grade of "B" or higher in AP Pre-Calc 1-2, and teacher recommendation and parent/guardian/student signature indicating a full year commitment*

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

Topics are from multi variable calculus and include partial derivatives, multiple integrals and calculus of vector functions. Students enrolling in this course should have successfully completed AP Calculus BC. College Dual Enrollment may be available with this course.

*Credit: 1 per semester*      *Duration: 1 semester*      *Grade Level: 11, 12*      *Meets graduation requirement*

*Prerequisite: Grade of "C" or higher in AP Calculus BC, must be paired with Honors Differential Equations*

**H 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. Students enrolling in this course should have successfully completed AP Calculus BC. College Dual Enrollment may be available with this course.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 12**Meets graduation requirement***Prerequisite:** Grade of "C" or higher in AP Calculus BC, **must be paired with Honors Calculus 3****H ENRICHMENT MATH 1-2****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.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 9, 10, 11, 12***Status: Elective credit****Prerequisite:** Concurrent enrollment in honors math course**H ADVANCED TOPICS****040611/040612**

This course includes semester long topics beyond Calculus that include, but are not limited to, Linear Algebra, Set Theory, and Partial Differential Equations.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 11, 12***Status: Elective credit****Prerequisite:** AP Calculus AC or BC and teacher recommendation**MILITARY SCIENCE DEPARTMENT**

JROTC Mission - "To motivate young people to be better citizens."

## JROTC Objectives

- 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.

## JROTC Curriculum

The curriculum is designed to teach high school students the value of citizenship, leadership, service to the community, personal responsibility, and a sense of accomplishment, while instilling in them self-esteem, teamwork, and self-discipline. The curriculum prepares students for responsible leadership roles while making them aware of their rights, responsibilities, and privileges as American citizens. The program is a stimulus for promoting graduation from high school, and it provides instruction and rewarding opportunities that benefit the student and community.

Grade	Suggested Progression	Marksmanship	Color Guard
9	J ROTC 1-2 - LET 1	Must be taken with JROTC	Must be taken with JROTC
10	H JROTC 3-4 , LET 2	Beg Marksmansp/Archery	Beginning JROTC Color Guard
11	H JROTC 5-6 LET 3	Int Marksmans/Archery	Intermediate JROTC Color Guard
12	H JROTC 7-8 LET 4	Adv Marksmansp/Archery	Advanced JROTC Color Guard

**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 1-2 LEADERSHIP EDUCATION AND TRAINING I (LET 1) (J ROTC 1-2 - LET 1)****070811/070812**

**THE EMERGING LEADER** 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.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 9, 10, 11, 12**Meets graduation requirement*

**H JROTC 3-4 LEADERSHIP EDUCATION AND TRAINING II (LET 2) (H JROTC 3-4 , LET 2)****070621/070622**

**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.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 10, 11, 12**Meets graduation requirement**Prerequisite: J ROTC 1-2***H JROTC 5-6 LEADERSHIP EDUCATION AND TRAINING III (LET 3) (H JROTC 5-6 LET 3)****070751/070752**

**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.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 11, 12**Meets graduation requirement**Prerequisite: J ROTC 3-4***H JROTC 7-8 LEADERSHIP EDUCATION AND TRAINING IV (LET 4) (H JROTC 7-8 LET 4)****070741/070742**

**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.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 12**Meets graduation requirement**Prerequisite: J ROTC 5-6***JROTC ELECTIVE COURSES**

Participation in JROTC Elective Courses requires students to be enrolled in a JROTC Leadership Education and Training Course, LET 1, 2, 3, or 4. Instructor permission is also required.

**BEGINNING MARKSMANSHIP****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.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 10, 11, 12**Status: Elective credit***Prerequisite: Concurrent enrollment in JROTC course****Second Semester is Archery, 9<sup>th</sup> graders will be accepted with instructor permission.**

**INTERMEDIATE MARKSMANSHIP (INT Marksmansp)****071051/071052**

This is a continuation of the Beginning Marksmanship Course 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.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 10, 11, 12*      *Status: Elective credit*

Prerequisite: Beginning Marksmanship or instructor permission

**Second Semester is Archery**

**ADVANCED MARKSMANSHIP (ADV Marksmansp)****070791/070792**

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.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 11, 12*      *Status: Elective credit*

Prerequisite: Int Marksmanship or instructor permission

**Second Semester is Archery**

**BEGINNING JROTC COLOR GUARD (JROTC Color Guard)****070631/070632**

This is a Beginning 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, exhibitions and competitions, 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.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 10, 11, 12*      *Status: Elective credit*

Prerequisites: Must be enrolled in a JROTC LET / Course requires instructor permission.

**INTERMEDIATE JROTC COLOR GUARD****070651/070652**

This is an Intermediate Level 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, exhibitions and competitions, 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.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 11, 12*      *Status: Elective credit*

Prerequisites: Must be enrolled in a JROTC LET / Course requires instructor permission.

**ADVANCED JROTC COLOR GUARD****070671/070672**

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, exhibitions and competitions, 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.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 12*      *Status: Elective credit*

Prerequisites: Must be enrolled in a JROTC LET / Course requires instructor permission.

## PERFORMING ARTS DEPARTMENT

*The goals of the Music Department are to enrich the student's growth through aesthetic and artistic experiences, to expose students to outstanding examples of music literature, and to provide students with worthy performance opportunities.*

### INSTRUMENTAL MUSIC

	<i><b>Band/Orchestra Options</b></i>	<i><b>Guitar</b></i>	<i><b>Piano</b></i>
	Concert Band (H) Marching and Pep Band	Guitar 1-2	Piano
	Modern Band Pop, Reggae and Rock Band	Guitar 3-4 Must Audition	Advanced Piano Must Audition
	Jazz Band (H) Must audition and be in Concert Band	H Guitar 5-6 Must Audition	Participation in all performances, during or after school is expected.
	Orchestra 1-2 (H)	H Guitar 7-8 Must Audition	

**CONCERT BAND (Honors Option)****190671/190672**

This course is considered to be 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 winter and spring concerts as well as the All-City Music Festival. Required performances include **marching band first quarter** with concert band and pep band the remainder of the year. **Band** students are expected to participate in a summer band camp sponsored by the band as well as a weekly evening rehearsal during the first quarter. Various styles of instrumental music will be rehearsed and performed in this course. Music skills development and performance will be emphasized. Percussionists will meet during a different period.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 9, 10, 11, 12      Meets graduation requirement*

*Prerequisite: Recommendation of middle school Band teacher and/or audition*

*1<sup>st</sup> Semester counts as PE credit; 2<sup>nd</sup> Semester counts as Elective credit*

**Instrumental Music Pathway Course****ORCHESTRA 1-2 (Honors Option)****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 may include fall, winter and spring concerts, as well as other performance opportunities outside of the school day. Students are required to participate in all scheduled performances. Membership may be selected by audition. To receive honors credit, students must meet the requirements provided in the Music Honors Framework.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 9, 10, 11, 12      Status: Elective credit*

*Prerequisite: Recommendation of middle school Orchestra teacher and/or audition*

**Instrumental Music Pathway Course****MODERN BAND****190593/190594**

This is a performance-based course that focuses on repertoire from popular genres such as rock, pop, reggae, and incorporates playing and composing on guitar, bass, keyboard, drums and voice. Students should have some proficiency and experience on one of these instruments before taking Modern Band. In addition to rehearsing and performing in small-group bands, students will research and analyze songs from a variety of popular styles and time periods. This course will include at least one required performance each semester.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Status: Elective credit*

*Prerequisite: Previous instrumental course or Instructor permission*

**Instrumental Music Elective Course****H JAZZ BAND 1-2****190631/190632**

This course is a high school instrumental ensemble comprised of advanced instrumental students who are simultaneously enrolled in Concert Band or Orchestra, or given teacher permission to join. Various jazz rudiments and improvisation techniques are introduced through a variety of jazz and popular styles of music. Frequent performances are expected in this course, including concerts or performances outside of the school day. Students are required to participate in all performances. To receive honors credit, students must meet the requirements provided in the Music Honors Framework.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 9, 10, 11, 12      Status: Elective credit*

*Prerequisite: Concurrent enrollment in a Concert Band Orchestra or Choir or permission of instructor*

**Instrumental Music Elective Course****GUITAR 1-2****191131/191132**

This course is designed for 9th through 12th grade students with any level of guitar experience. Students will learn a foundation of guitar-playing technique with an emphasis on note-reading. The fundamentals of musicianship and composing music for the guitar will also be taught. In-class performances (alone and in groups) will be the focus of this class. However, one outside-of-class performance per semester is required. Students are encouraged to purchase their own guitar (acoustic with steel or nylon strings). There are a limited number of instruments available for student use on a need basis only.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Status: Elective credit*

*Prerequisite: Permission of instructor*

**Instrumental Music Pathway Course****GUITAR 3-4****191141/191142****H GUITAR 5-6****191151/191152**

In this course students will build on the foundation of playing techniques covered in Guitar 1-2 or Guitar 3-4. Note reading studies will cover all frets in first position as well as higher positions. Advanced techniques such as right hand finger style and classical (pima) will be taught. Chord studies will include moveable bar chords. Ear-training and transcribing music for the guitar will also be taught. Students will perform alone and in a variety of ensemble settings including a guitar recital in the spring semester. Students are encouraged to purchase their own guitar (acoustic with steel or nylon strings). There are a limited number of instruments available for student use on a need basis only.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11, 12      Status: Elective credit*

*Prerequisite: Audition with instructor or successful completion of previous guitar level*

**Instrumental Music Pathway Course****PIANO****190891/190892**

This course introduces piano techniques through method studies and exercises in a class setting using electronic piano laboratory facilities. Students learn to play with both hands and have recital experience. Basic music theory is included. Performances or recitals may be required as an extension of the classroom activities.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Status: Elective credit*

*Prerequisite: Permission of instructor*

**Instrumental Music Elective Course**

**ADVANCED PIANO****192071/192072**

This course is designed for students with advanced piano skills. Advanced technical skills will be taught through intermediate and advanced level piano literature and exercises using electronic piano laboratory facilities. The students will practice harmonization, transposition, sight reading. Advanced theory concepts will include interval and rhythmic ear training, chord progressions, and form. The class will culminate with a semester recital. Other performance opportunities may be NSAA District 2 Music Contest, school concerts, and casual performances. Instructor's recommendation or audition required for enrollment in class.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 10, 11, 12**Status: Elective credit**Prerequisite: Successful audition with instructor***Instrumental Music Elective Course****VOCAL MUSIC**

<b>Vocal Music Pathway</b>		<b>ELECTIVES</b> H Chamber Ensemble Musical Theater and Dance
	Junior Chorus	
	Mixed Chorus	
	Concert Choir (H)	
	Treble Ensemble (H)	

**JUNIOR CHORUS****190261/190262**

The Junior Chorus is a training choir. This chorus is intended for singers with all vocal abilities. Basic choral literature that includes sacred and secular music from various musical periods is studied. Regular performance opportunities are included as an extension of the classroom experience.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 9**Status: Elective credit***Vocal Music Pathway Course****MIXED CHORUS****190221/190222**

This course is offered to any student who desires a choral experience. It is preparatory for advanced choral participation. The classroom emphasis stresses vocal development in an introduction of basic high school choral literature. Performance opportunities are an extension of the classroom activities. Students are required to participate in all scheduled performances.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 10, 11, 12**Status: Elective credit***Vocal Music Pathway Course****TREBLE ENSEMBLE – Bel Canto (Honors Option)****1904391/190392**

This course is open to all students 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. Students are required to participate in all scheduled performances, many of which could occur outside of the school day.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 10, 11, 12**Status: Elective credit**Prerequisite: Audition Central does not require students to be enrolled in additional choir course***Vocal Music Pathway Course****CONCERT CHOIR – A Capella (Honors Option)****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 outside of the school day. Membership is selected by audition. Students are required to participate in all scheduled performances. To receive honors credit, students must meet the requirements provided in the Music Course Honors Framework, including auditions or participation in music solo/ensemble performances or recitals. \*\*This historic group is a highly selective mixed chorus. Required performances include **at least** one concert per quarter, as well as participation in the Roadshow, AllCity Festival OPS Choral Adjudication, fall, winter and spring concerts as well as the All-City Music Festival and District Music Contest.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 10\*, 11, 12**Status: Elective credit**Prerequisite: Audition***Vocal Music Pathway Course****H CHAMBER ENSEMBLE -- Central High Singers****190441/190442**

This course is an advanced chamber ensemble for mixed voicing and is selected by audition. Frequent performances outside of the school day must be a consideration for enrollment. Performances can include concerts in the fall, winter, and spring, as well as many other performance opportunities. Students are required to participate in all scheduled performances. To receive honors credit, students must meet the requirements provided in the Music Course Honors Framework.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 10\*, 11, 12**Status: Elective credit**Prerequisite: Audition and concurrent enrollment in Concert Choir***Vocal Music Pathway Elective Course****MUSICAL THEATER AND DANCE****190121/190122**

In this co-taught class students will explore the history and genres of musical theater, a variety of styles, genres and social themes in musical theater. Students will perform, research, and analyze musical theater songs from a variety of styles and genres. Students will explore various movement and dance techniques used in musical theater that include tap, jazz, musical theater choreography, and cultural dance. Students will receive PE credit for participation in this course. **Students are required to attend and critique all of the high school plays and musical productions.**

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 10, 11, 12**Meets graduation requirement**Prerequisite: Student has taken Drama 1-2 or Choir course.***Vocal Music and Theatrical Arts Pathway Elective Course**

## MUSIC THEORY AND TECHNOLOGY

Grade	Music Technology Pathway
9	Band/Choir
10	Music Fundamentals
11	Mus Tech 1-2
12	Music Tech 3-4

ELECTIVES
H Chamber Ensemble Musical Theater and Dance H Music Theory AP Music Theory

### MUSIC FUNDAMENTALS

**190921/190922**

This course is intended for students who are interested in music production and music technology but do not yet have any formal training on a musical instrument. Students will develop some basic skills and proficiency on the piano while learning basic music theory. Topics include reading and interpreting musical notation and symbols, music terminology, instruments and timbre, and basics of tonal harmony.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Status: Elective credit*  
*Prerequisite: Music Technology Pathway*

#### Music Technology Pathway Course

### MUSIC TECHNOLOGY 1-2 (Mus Tech 1-2)

**190971/190972**

This course is the perfect blend of technology and music. Students will be introduced to the skills needed in DJ'ing, Creating Sound Effects and Scores for Movies, Controlling Live Sound for Big Events, Creating their OWN music, Studio Recording & Sampling, and Preparing the best audio recording for Podcasting, Demos and Auditions.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Status: Elective credit*  
*Prerequisite: One year of successful high school music, only open to Pathway students*

#### Music Technology Pathway Course

### MUSIC TECHNOLOGY 3-4 (Music Tech 3-4)

**191011/191012**

This course is designed for students who have completed the music technology level 1 and 2 successfully. Further computer applications in the study of music are explored in depth. Topics include electronic musical instruments, computer-assisted instruction, MIDI sequencing and music composition and notation. Participation in cross-curricular activities will explore applications of music technology as a business.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 12      Status: Elective credit*  
*Prerequisite: Music Technology 1-2*

#### Music Technology Pathway CAPSTONE Course

### H MUSIC THEORY

**190521/190522**

This course includes the study of fundamental notation, intervals, triads, basic chord structure and principles of voice leading. Students electing this course should have some basic music reading knowledge and advanced interest in the formal study of music. The course is considered to be a pre-college course, which may result in advanced placement in a college music theory program.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11, 12      Status: Elective credit*  
*Prerequisite: Permission of instructor*

### 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. Students who select NOT to participate in the AP exam are expected to take a cumulative, AP comparable, teacher-graded end of course exam.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11, 12      Status: Elective credit*  
*Prerequisite: Permission of instructor*

## THEATRE/STAGE

Grade	Theatrical Performance	Technical Theater
9	Drama 1-2	Stagecraft 1-2
10	Acting Style and Techniques 1-2	Adv Stagecraft 1-2
11	Adv Theatrical Performance 1-2	Theatrical Design Production 1-2
12	Adv Directing and Performing 1-2	Adv Theatrical Production 1-2

ELECTIVES
Musical Theater and Dance

### DRAMA 1-2

**020631/020632**

This course provides an introduction to drama and theater as an art form. Students enrolled in this course will learn and apply basic principles of acting and fundamentals of stage terminology and audience etiquette. Participants will study, experience, and perform pantomime, improvisation, monologues, original scenes, and create, write, and perform original scripts/plays. Students will also study the technical aspects of theater and an introduction to theater history. Students are required to attend and critique all school play and musical productions. Students enrolling in this class need to understand that drama involves work in literacy and understanding and demonstrating drama concept.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 9,10, 11, 12      Status: Elective credit*

#### Theatrical Performance Pathway Course

**ACTING STYLE AND TECHNIQUES 1-2****021641-021642**

This course is the study and application of acting principals and techniques, drama technology, ad special topics in drama/theater including acting, playwright, director, dramatic structure, and dramatic genre/style. Students will perform monologues, scripted scenes and various other performance pieces that will develop acting performance skills demonstrating varied methods, historical periods, styles, and techniques. Students are required to attend and critique all CHS play and musical productions. This course is for Central High School students only.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 10, 11, 12*      *Status: Elective credit*  
*Prerequisite: Drama 1-2 with a "C" or higher or teacher recommendation*

**Theatrical Performance Pathway Course****ADV THEATRICAL PERFORMANCE****021741/02142**

This course is the continued and in depth and advanced study and application of acting principles and techniques, Students will perform monologues, scripted scenes and various other performance pieces that will develop acting performance skills through various methods, historical periods and styles, and techniques. Students will apply their learning by participating in the creation and performance of original and/or scripted works and 1 act plays for high school, middle and or elementary school audiences. Students will be required to participate in activities/rehearsals both in and out of classroom. Students are required to attend and critique all CHS play and musical productions. (This course may be taken more than one time for credit.)

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 11, 12*      *Status: Elective credit*  
*Prerequisite: Student has taken Drama 1-2 and Acting Styles & Techniques with a "C" or higher or teacher recommendation*

**Theatrical Performance Pathway Course****ADV DIRECTING AND PERFORMING 1-2****021841/021842**

This culminating course provides opportunities to apply skills and concepts learned in previous courses in acting and performance while adding elements of directing, dramaturgy, and/or playwrighting. Students will analyze and explore careers in all areas of theater and the entertainment industry. Students will apply all of these concepts in creating original and/or scripted performance pieces for elementary, middle and/or high school and adult audiences. Students will also work to complete their Drama Pathway Capstone Project that utilizes and applies all of the concepts, topics and units studied in their years in the Drama Pathway-Theatrical Performance. Students are required to attend and critique all CHS play and musical productions. This course is for Central High School students only.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 12*      *Status: Elective credit*  
*Prerequisite: ADV Theatrical Performance*

**Theatrical Performance Pathway CAPSTONE Course****MUSICAL THEATER AND DANCE****190121/190122**

In this co-taught class students will explore the history and genres of musical theater, a variety of styles, genres and social themes in musical theater. Students will perform, research, and analyze musical theater songs from a variety of styles and genres. Students will explore various movement and dance techniques used in musical theater that include tap, jazz, musical theater choreography, and cultural dance. Students will receive PE credit for participation in this course. Students are required to attend and critique all CHS play and musical productions. **Students are required to attend and critique all CHS play and musical productions.**

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 10, 11, 12*      *Meets graduation requirement*  
*Prerequisite: Student has taken Drama 1-2 or Choir course.*

**Vocal Music and Theatrical Arts Pathway Elective Course****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. Students are required to attend and critique all school plays and musical productions. It is highly recommended that students in Stagecraft be on the crew for at least one show. *Strong interest in the "behind the scenes" workings of a theatrical production is a must!* *Some experience in building/construction is good, but not necessary.*

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 9, 10, 11, 12*      *Status: Elective credit*

**Technical Theater Pathway Course****ADV STAGECRAFT 1-2****020691/020692**

This course focuses on providing students with an advanced understanding of technical theater, set construction, the safe use of tools, theatrical rigging systems, theatrical lighting, sound, stage management and other theatrical equipment. Students will also have advanced studies and projects in costumes, makeup, publicity and marketing for the theater/entertainment industry. Students will assist the technical director during school productions-inside and outside of class, while maintaining focus on safety in all operations and procedures. Students are required to attend and critique all CHS play and musical productions. This course for Central High School students only.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 10, 11, 12*      *Status: Elective credit*  
*Prerequisite: Stagecraft 1-2 with a "C" or higher and teacher recommendation*

**Technical Theater Pathway Course****THEATRICAL DESIGN PRODUCTION 1-2****021371/021372**

Students enrolled in this course will apply concepts learned in previous stagecraft courses in all areas of technical theater. Students 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 lighting, sound, properties, makeup, costume, stage management, publicity/house and marketing crews. They will also assist the technical director during school productions-inside and outside of class, while maintaining focus on safety in all operations and procedures. Students must critique the production process in CHS productions and complete other projects related to technical theater. Students are required to attend and critique all CHS play and musical productions. This course is for Central High School students only.

*Credit: 1 per semester*      *Duration: 2 semesters*      *Grade Level: 11, 12*      *Status: Elective credit*  
*Prerequisite: Advanced Stagecraft with a "C" or higher and teacher recommendation*

**Technical Theater Pathway Course**

**ADV THEATRICAL PRODUCTION 1-2**

**021471/021472**

Students will apply advanced concepts learned in previous stagecraft courses to the design of various areas/aspects of technical theater. Students will design and technically analyze play/musical productions and take design and leadership roles in the technical dimension of school productions which includes: designing and building sets, operating theatrical riggings, designing and leading the lighting, sound, properties, makeup, costume, stage management, rehearsal schedules, publicity/house crews, theatrical marketing, and technical direction. Students assist the technical director during school productions-- inside and outside of class, while maintaining focus on safety in all operations and procedures. Students will also work on/complete their Drama Pathway Capstone Project that utilizes and applies all of the concepts, topics and units studied in their 3-4 years in the Drama Pathway-Technical Theater. Students must critique the production process in CHS productions and complete other projects related to technical theater. Students are required to attend and critique all CHS play and musical productions.

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 12*

*Status: Elective credit*

*Prerequisite: Theatrical Design Production with a "C" or higher and teacher recommendation*

**Technical Theater Pathway CAPSTONE Course**

**PHYSICAL EDUCATION DEPARTMENT**

*An individual's most valuable asset is good health. No educational process can be adequate or complete if it neglects the physical education of the individual student. Being physically fit enhances self-image and self-confidence which is important to young people in the years when they are growing socially and intellectually. The department's basic goal is good health for a lifetime. Students learn to understand individual needs and values so they may continue to enjoy good health while growing socially and intellectually.*

Grade	Physical Education	Weightlifting	ELECTIVES
9		Not open for 9 <sup>th</sup> grade	Sports Officiating (11 <sup>th</sup> - 12 <sup>th</sup> ) 1 semester
10	Lifetime Sport Ac 1-2 Team Sports 1-2	Lgt Wt Trng Cond 1-2 Wht Trn/Cond 1-2	
11	Lifetime Wellness 1-2	Adv Wht Trng/Cond 1-2 (11 <sup>th</sup> -12 <sup>th</sup> )	
12			

**HUMAN GROWTH AND DEVELOPMENT**

**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 parent/guardians have the option to opt-out their child. Approved opt-out forms are available on the district website and in the School Counseling office.

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 10, 11*

*Meets graduation requirement*

**Required Course**

**LIFETIME SPORTS/ACTIVITIES 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.

*Credit: 1 per semester*

*Duration: 2 semesters*

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

*Meets graduation requirement*

**TEAM SPORTS 1-2**

**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.

*Credit: 1 per semester*

*Duration: 2 semesters*

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

*Meets graduation requirement*

**LIGHT WEIGHT TRAINING/CONDITIONING 1-2 (Lgt Wt Trng Cond 1-2)**

**070251/070252**

This course emphasizes improvement in muscular endurance, strength and power. Proper lifting techniques are taught through the use of light weights and high repetitions. Healthy living concepts, such as proper nutrition and stress reduction, will be a part of class discussions. A fitness unit will be taught. This course is not appropriate for a student who has previously taken Weight Training.

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 10, 11, 12*

*Meets graduation requirement*

**WEIGHT TRAINING/CONDITIONING 1-2 (Wht Trn/Cond 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.

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 10, 11, 12*

*Meets graduation requirement*

**ADV WEIGHT TRAINING 1-2 (Adv Wht Trng/Cond 1-2)**

**070281/070282**

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

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 11, 12*

*Meets graduation requirement*

*Prerequisite: "C" or better in Weight Training/Conditioning 1-2*

**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 post test form.

*Credit: 1 per semester*

*Duration: 2 semesters*

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

*Meets graduation requirement*

**SPORTS OFFICIATING****070601**

This course is designed to offer students the coursework and experience to officiate in a variety of major sports including, but not limited to, basketball, football, volleyball, baseball/softball, and soccer.

Credit: 1 per semester

Duration: 1 semester

Grade Level: 11, 12

Meets graduation requirement

Must provide own transportation for field experience, can take both semesters for different sports

**SCIENCE DEPARTMENT**

Science and technology are major influences in the lives of everyone. The Science Department offers a sequence of courses that give students basic science knowledge through the use of scientific processes and technology. The courses are designed sequentially to prepare students for each future science class, as well as to foster inquiry, problem solving skills which are needed to produce scientifically literate citizens. The continued advances in technology require citizens to have an appreciation and understanding of science and the role it plays in society. Each successive science course is developed by expanding and unifying the concepts and processes of the previous course. Each science course fulfills the requirements of the Nebraska Science Standards.

Grade	Required Classes	ELECTIVES	
9	Physical Science 1-2 or H Physical Science 1-2	Astronomy 1-2 (H) (H) Chemistry 1-2 (H) Anatomy & Physiology 1-2	Honors Advanced Research Environmental Water Tech 1-2 Inland Ecosystems 1-2
10	Biology 1-2 or H Biology 1-2	H Physics 1-2 Epidem and Disease Prevent 1-2 (H) Forensic Science 1-2	H Forensic Science 3-4 AP Chemistry AP Physics 1
11	Choose one elective from other columns if Physical Science was taken in 8 <sup>th</sup> grade,	Earth Science 3-4 (H) Environmental Science 1-2	AP Physics 2 Ap Physics C: Mechanics
12	choose two electives	(H) = offered in Honors *See prerequisites for courses below	AP Physics C: Electricity & Magnetism AP Environmental Science

Students may take Honors Biology 9<sup>th</sup> grade year if they successfully passed Physical Science in an OPS middle school or discuss alternate approved science graduation requirements with science department head.

Grade	Environmental Studies Pathway	Global Health Science Pathway
9	Freshman Seminar	Freshman Seminar
10	Environmental Science 1-2	Foundation of Health Care Intro to Medical Terminology
11	Environmental Water Tech 1-2	(H) Anatomy & Physiology 1-2
12	Inland Ecosystems 1-2	Epidem and Disease Prevent 1-2

**PHYSICAL SCIENCE 1-2****060501/060502**

Physical Science 1-2 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.

Credit: 1 per semester

Duration: 2 semesters

Grade Level: 9

Status: Meets graduation requirement

**Required Course****HONORS PHYSICAL SCIENCE 1-2****060531/060532**

Honors Physical Science 1-2 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. Students enrolled in honors courses have additional experiences that require a more rigorous program of study.

Credit: 1 per semester

Duration: 2 semesters

Grade Level: 9

Status: Meets graduation requirement

Prerequisite: Grades of "B" or higher in Science 8 1 and 2 **and** concurrent enrollment in Algebra 1-2 or higher math course.

**BIOLOGY 1-2****060411/060412**

Biology 1-2 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 matter, energy, and organization in living systems. This course meets the district requirement for biology.

Credit: 1 per semester

Duration: 2 semesters

Grade Level: 9, 10

Status: Meets graduation requirement

Prerequisite: Physical Science 1-2

**Required Course****HONORS BIOLOGY 1-2****060431/060432**

Honors Biology 1-2 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 matter, energy, and organization in living systems. This course meets the district requirement for biology. Students enrolled in honors courses have additional experiences that require a more rigorous program of study.

Credit: 1 per semester

Duration: 2 semesters

Grade Level: 9, 10

Status: Meets graduation requirement

Prerequisite: Successful completion of H Physical Science 1-2, teacher recommendation and parent/guardian signature

**FOUNDATIONS OF HEALTH CARE****074001**

This course is designed to introduce students to career opportunities and related skills in the Health Science career field. Students will explore topics related to; health informatics, biotechnology research, therapeutic certificated services, behavioral health, life span performance and allied/public health. This course also focuses on cost and educational requirements of health science professions, ethical and legal responsibilities, the history and economics of health care.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Status: Elective credit*  
*Prerequisite: Physical Science 1-2 and Biology 1-2 or concurrent enrollment in Biology 1-2*

**Global Health Science Pathway Course****INTRO TO MEDICAL TERMINOLGY 1****070611**

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.

*Credit: 1 per semester      Duration: 1 semester      Grade Level: 10, 11, 12      Status: Elective credit*  
*Prerequisite: Physical Science 1-2 and Biology 1-2 or concurrent enrollment in Biology 1-2*

**Global Health Science Pathway Course****ANATOMY AND PHYSIOLOGY 1-2****060931/060932**

Anatomy and Physiology 1-2 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.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Meets graduation requirement*  
*Prerequisite: Physical Science 1-2, Biology 1-2*

**Global Health Science Pathway Course****H ANATOMY AND PHYSIOLOGY****060911/060912**

Anatomy and Physiology 1-2 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. Students enrolled in honors courses have additional experiences that require a more rigorous program of study.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Meets graduation requirement*  
*Prerequisites: Physical Science and Biology with grade of A. Honors Physical Science and Honors Biology with Grades of A or B*

**EPIDEMIOLOGY AND DISEASE PREVENTION 1-2****074351/074352**

This course is an applied course for students interested in developing an understanding of the ways government tracks health related issues and how communities experience and treat them. Upon completion of this course, students will be able to use research and data to understand the health and wellness of their community, state, region, and nation; relate that knowledge to epidemiology and determinants of health; draw key connections between personal health issues and community health issues; defend emergency allocation of resources and identify professionals who can provide care.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 12      Status: Elective credit*  
*Prerequisites: Anatomy and Physiology 1-2, Capstone Course*

**Global Health Science Pathway Capstone Course****ENVIRONMENTAL SCIENCE 1-2 (Honors Option)****060351/060352**

Environmental Science allows students to develop insights and skills needed to make decisions regarding the environment. The class provides basic knowledge on ecosystems and how they work. In addition, students learn how they affect the environment, what they can do to use the environment wisely, and how to preserve what is left. This course includes hands-on experiences, simulations, and outside activities. In the end, the students learn about the world in which they live.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Status: Elective credit*  
*Prerequisites: Physical Science 1-2 and Biology 1-2 or concurrent enrollment in Biology 1-2*

**Environmental Studies Pathway Course****ENVIRONMENTAL WATER TECHNOLOGY 1-2****062311/062312**

This course will develop student proficiencies in the areas of hydrology, safety skills and procedures, geological principles of water resources, management of wetlands, storm water systems, environmental water resources, equipment and facility maintenance, scientific and research concepts; principles of leadership; employability, and human relations skills. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing, and observation equipment.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11, 12      Status: Science elective credit*  
*Prerequisites: Physical Science 1-2, Biology 1-2 and Environmental Science 1-2*

**Environmental Studies Pathway Course**

**INLAND ECOSYSTEMS****0623213/062322**

This course will develop competencies in the areas of environmental resources from the perspective of local inland ecosystems, scientific investigation, laboratory safety, scientific and technological concepts, and the fundamentals of biotechnology. The course will focus on historical use of inland ecosystems, current uses and impacts on the ecosystem, and explore the future of inland ecosystems.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 12      Status: Science elective credit*  
*Prerequisites: Physical Science 1-2, Biology 1-2 and Environmental Water Technology 1-2 Capstone course*

**Environmental Studies Pathway Capstone Course****EARTH SCIENCE 3-4 (Honors Option)****061061/061062**

Earth Science 3-4 is an inquiry-based course that builds upon content from Nebraska's earth science standards that were introduced in the Physical Science and Biology 1-2 course sequence. Students use scientific inquiry to further explore concepts of Earth's composition and how it is studied, the history and dynamics of Earth, and the reshaping the Earth's crust, atmosphere, atmospheric forces, and oceans.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Meets graduation requirement*  
*Prerequisite: Physical Science 1-2 and Biology 1-2*

**FORENSIC SCIENCE 1-2 (Honors Option)****061321/061322**

Forensic Science promotes active learning and emphasizes the application and integration of math, chemistry, biology, physics, and earth science. Topics covered may 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.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Meets graduation requirement*  
*Prerequisite: Physical Science 1-2, Biology 1-2*

**ASTRONOMY 1-2 (Honors Option)****060801/060802**

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. Students develop techniques to help them locate and identify objects through the use of a planetarium.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Meets graduation requirement*  
*Prerequisite: Physical Science 1-2, Biology 1-2*

**H 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 in motion, the origin of the universe, conservation of energy, interaction of energy and matter, wave and optics. Students enrolled in honors courses will have additional experiences that require a more rigorous program of study.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Meets graduation requirement*  
*Prerequisite: Physical Science and Biology with grade of A. Honors Physical Science and Honors Biology with Grades of B or Better. Geometry 1-2 and current enrollment in Algebra 3-4 or higher math course, may be taking concurrently.*

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

Chemistry 1-2 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

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Meets graduation requirement*  
*Prerequisite: Physical Science 1-2, Biology 1-2, Successful completion of Algebra 1-2 with a C or better*

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

Chemistry 1-2 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 have additional experiences that require a more rigorous program of study.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Meets graduation requirement*  
*Prerequisite: Biology 1-2 with a grade of A or Honors Biology 1-2 with a grade of B or better, Algebra 1-2 with a grade of B or better. Concurrent enrollment in Honors Geometry or a higher-level math course is recommended.*

**AP PHYSICS 1****061661/061662**

AP 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 circuits. Students who select NOT to participate in the AP exam are expected to take a cumulative, AP comparable, teacher-graded end of course exam.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Meets graduation requirement*  
*Prerequisite: Physical Science and Biology with grade of A. Honors Physical Science and Honors Biology with Grades of B or Better. Geometry 1-2 and current enrollment in Algebra 3-4 or higher math course, may be taking concurrently. A good background in algebra and geometry is essential.*

**AP PHYSICS 2****061671/061672**

AP 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. Students who select NOT to participate in the AP exam are expected to take a cumulative, AP comparable, teacher-graded end of course exam.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11, 12      Meets graduation requirement*  
*Prerequisite: AP Physics 1 with grade of C or better.*

**AP PHYSICS C: MECHANICS****061971/061972**

AP Physics C is a two-semester course for students with a strong interest and aptitude in science, mathematics, or engineering. It is designed to be equivalent to a first-year college introductory physics course and follows the College Board curriculum. The primary goal of the course is to provide students with a strong conceptual understanding of physics, while developing analytical and problem-solving skills. Students improve their abilities to read, understand, and interpret physical information verbally, mathematically, and graphically. AP Physics C: Mechanics places a primary emphasis on Newtonian mechanics. The course requires and employs a basic understanding of calculus (differentiation and integration). Advanced educational credit may be available for students who successfully pass the AP Exam. Dual enrollment options may be available. Students who select NOT to participate in the AP exam are expected to take a cumulative, AP comparable, teacher-graded end of course exam.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11, 12      Meets graduation requirement*  
*Prerequisite: Honors Physics 1-2 or AP Physics I; completion of or concurrent enrollment in AP Calculus AB or BC.*

**AP PHYSICS C: ELECTRICITY & MAGNETISM****061961/061962**

Advanced Placement Physics C is a two-semester course for students with a strong interest and aptitude in science, mathematics, or engineering. It is designed to be equivalent to a first-year college introductory physics course and follows the College Board curriculum. The primary goal of the course is to provide students with a strong conceptual understanding of physics, while developing analytical and problem-solving skills. Students improve their abilities to read, understand, and interpret physical information verbally, mathematically, and graphically. AP Physics C: Electricity and Magnetism requires and employs a basic understanding of calculus (differentiation and integration). It expands and discusses in greater depth the physical concepts and skills introduced in Physics 1-2, plus additional material such as mechanics, classical electricity, and magnetism. The students become familiar with college lab equipment, experimental procedures, and exacting lab reports. Calculus is used in problem solving, derivation, and formulating principles. Advanced educational credit may be available for students who successfully pass the AP Exam. Dual enrollment options may be available. Students who select NOT to participate in the AP exam are expected to take a cumulative, AP comparable, teacher-graded end of course exam.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11, 12      Meets graduation requirement*  
*Prerequisite: AP Physics C: Mechanics and the completion of, or concurrent enrollment, in AP Calculus AB/BC..*

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

AP Biology is an introductory college-level biology course. Students cultivate 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. Students who select NOT to participate in the AP exam are expected to take a cumulative, AP comparable, teacher-graded end of course exam.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10\*, 11, 12      Meets graduation requirement*  
*Prerequisite: Physical Science and Biology with grade of A. Honors Physical Science and Honors Biology with Grades of B or Better. Teacher recommendation for 10<sup>th</sup> grade students.*

**AP CHEMISTRY 1-2****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. Students who select NOT to participate in the AP exam are expected to take a cumulative, AP comparable, teacher-graded end of course exam.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11, 12      Meets graduation requirement*  
*Prerequisite: Honors Chemistry 1-2 with a grade of B or better or AP Biology 1-2 with a grade of B or better, and AP Pre-Calculus 1-2 with a grade of B or better.*

**AP ENVIRONMENTAL SCIENCE****060361/060362**

AP Environmental Science provides 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. Prerequisites: Physical Science 1-2 and Biology 1-2. Honors Chemistry is highly recommended. Students who select NOT to participate in the AP exam are expected to take a cumulative, AP comparable, teacher-graded end of course exam.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11, 12      Meets graduation requirement*  
*Prerequisite: Physical Science and Biology with grade of A. Honors Physical Science and Honors Biology with Grades of B or Better.*

**H ADVANCED RESEARCH 1-2****061571/061572**

Honors Advanced Research is an inquiry course with an emphasis on research methods. Students will engage in scientific research practices by formulating research questions and hypotheses, designing experimental methods, and evaluating results using statistical analysis. The course includes the practice of locating and understanding scientific literature, practice critiquing biological data and ideas, writing a research proposal, and public presentation of scientific information.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Status: Elective credit*  
*Prerequisite: Teacher recommendation and a strong interest in science research*

## SOCIAL STUDIES DEPARTMENT

The goals of the Social Studies Department are: (1) to assist students in examining values and eventually to become committed to those of our democratic society; (2) to aid students in identifying with the United States and to develop a refined sense of patriotism; (3) to acquaint students with the world around them in an effort to help them better understand their position in the world; (4) to teach the skill of class discussion not only to contribute to the knowledge of the class but also to listen to and respect the opinions of others; (5) to teach the methods of doing research, evaluate sources of information, and reach intelligent conclusions; and, (6) to appraise the reality and importance of the world's cultural and pluralistic nature.

Grade	Required Courses	1 Semester Electives	Full Year Electives
9	US History 1-2 <b>or</b> H US History 1-2		
10	One of the following options: Human Geography and Intro Economics H Economics and H Human Geography H Economics and AP Human Geog 1-2 <i>*AP Human Geog 1-2 is a year-long course, all others are 1 semester.</i>	African-Am History Anthropology Law-Juv Justice Omaha History Sociology (H) Psychology Native Am Cult & I	AP Psychology
11	Modern Wld Hist 1-2 <b>or</b> AP World Hist 1-2		
12	Amer Government <b>or</b> AP Govt & Pol: US-Comp (year-long course)	H Intro to the World Religions	AP US History 1-2

Grade	Political Science Pathway
9	Freshman Seminar
10	Sociology (1 semester course) and Law and Juvenile Justice (1 semester course)
11	African American History (1 semester course) and Native American Culture and Identity (1 semester course)
12	Contemporary Societal Issues (1 semester course) and Careers in Government and Politics (1 semester course)

### US HISTORY 1-2

030901/030902

United States History 1-2 explores United States history from 1914 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, culture, and the elements of citizenship. Students investigate these themes using textbooks, newspapers, novels, primary sources, and technology.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 9      Meets graduation requirement*

#### Required Course

### H US HISTORY 1-2

030911/030912

Honors United States History 1-2 explores United States history from 1914 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, culture, and the elements of citizenship. Students investigate these themes using textbooks, newspapers, novels, primary sources, and technology. Honors students are expected to have above average writing skills, the ability to keep current with rigorous and challenging supplemental reading assignments, and the motivation to complete all classroom self-directed assignments. Honors students are also required to research and analyze specific concepts in United States history and relate them to current events. Concurrent enrollment in Honors English 1-2 is highly recommended.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 9      Meets graduation requirement*

*Prerequisite: Any one of the following\*: Grade of "B" or higher in Social Studies 8 1 and 2, MAP Reading score at or above a score determined by District Social Studies Supervisor*

### HUMAN GEOGRAPHY

031011

Human Geography provides an effective method for studying human activities on the Earth's surface. Humans' interactions with one another and the environment are studied and analyzed to provide an understanding of the world in which the students live. The course is divided into four units: Population & Cultural Geography, Urban Geography, Political Geography, and Economic & Environmental Geography. This is a one-semester course.

*Credit: 1 per semester      Duration: 1 semester      Grade Level: 10      Meets graduation requirement*

#### Required Course

### H 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. This is a one-semester course.

*Credit: 1 per semester      Duration: 1 semester      Grade Level: 10      Meets graduation requirement*

*Prerequisite: Grade of "B" or higher in US History 1-2 and teacher recommendation and parent/guardian permission required*

### AP HUMAN GEOGRAPHY 1-2 (AP Human Geog 1-2)

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. Students who select NOT to participate in the AP exam are expected to take a cumulative, AP comparable, teacher-graded end of course exam.

*Credit: 1 per semester*                      *Duration: 2 semesters*                      *Grade Level: 10, 11,12*                      *Meets graduation requirement*  
*Prerequisite: Teacher recommendation and parent/guardian permission required*

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**INTRODUCTION TO ECONOMICS (Intro Economics) 030461**

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Introduction to Economics examines the key concepts of economics through study of various sectors of market systems. Fundamentals, micro, macro, and international economic concepts are presented and studied. Emphasis is given to the role of the citizen in America's market structure.

*Credit: 1 per semester*                      *Duration: 1 semester*                      *Grade Level: 10*                      *Meets graduation requirement*

**Required Course**

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**HONORS INTRODUCTION TO ECONOMICS (H Economics) 030481**

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Honors Introduction to Economics examines the key concepts of economics through study of various sectors of market systems. Fundamentals, micro, macro, and international economic concepts are presented and studied. 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. Honors students will also be expected to perform extension activities on their Curriculum Based Assessments (CBA) This is a one-semester course. Concurrent enrollment in Honors.

*Credit: 1 per semester*                      *Duration: 1 semester*                      *Grade Level: 10*                      *Meets graduation requirement*  
*Prerequisite: Grade of "B" or higher in US History 1-2 and teacher recommendation and parent/guardian permission required*

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**MODERN WORLD HISTORY 1-2 (Modern Wld Hist 1-2) 031381/031382**

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Modern World History 1-2 explores the culture and history of people from 1000 CE to the present. As students examine the choices and decisions 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.

*Credit: 1 per semester*                      *Duration: 2 semesters*                      *Grade Level: 11*                      *Meets graduation requirement*

**Required Course**

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**AP WORLD HISTORY 1-2 (AP World Hist 1-2) 030421/030422**

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Advanced Placement World History 1-2 focuses on developing students' understanding of world history from approximately 1200 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. Concurrent enrollment in AP English Language is highly recommended. Students who select NOT to participate in the AP exam are expected to take a cumulative, AP comparable, teacher-graded end of course exam.

*Credit: 1 per semester*                      *Duration: 2 semesters*                      *Grade Level: 11*                      *Meets graduation requirement*  
*Prerequisite: Teacher recommendation and parent/guardian permission required*

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**AMERICAN GOVERNMENT 030251**

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

*Credit: 1 per semester*                      *Duration: 1 semester*                      *Grade Level: 12*                      *Meets graduation requirement*

**Required Course**

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**AP UNITED STATES AND AP COMPARATIVE GOVERNMENT AND POLITICS 030261/030262**

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Advanced Placement United States Government and Politics 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. Concurrent enrollment in AP Literature and Composition is recommended. **This is a yearlong course.** Students who select NOT to participate in the AP exam are expected to take a cumulative, AP comparable, teacher-graded end of course exam.

*Credit: 1 per semester*                      *Duration: 2 semesters*                      *Grade Level: 11, 12*                      *Meets graduation requirement*  
*Prerequisite: Teacher recommendation and parent/guardian permission required*

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**AP UNITED STATES HISTORY 1-2 030341/030342**

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Advanced Placement United States History focuses on developing students' understanding of American history from approximately 1491 to the present. Students investigate the content of United States history for significant events, individuals, developments, and processes in nine 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 seven themes (American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society) that students explore throughout the course in order to make connections among historical developments in different times and places. Concurrent enrollment in AP English is recommended. **A yearlong research project is required.** Students who select NOT to participate in the AP exam are expected to take a cumulative, AP comparable, teacher-graded end of course exam.

*Credit: 1 per semester*                      *Duration: 2 semesters*                      *Grade Level: 11, 12*                      *Status: Elective credit*  
*Prerequisite: Teacher recommendation and parent/guardian permission required*

**H INTRO TO WORLD RELIGIONS****030161**

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. This is a college-level course taught using a college-level textbook.

*Credit: 1 per semester**Duration: 1 semester**Grade Level: 11, 12**Status: Elective credit***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.

*Credit: 1 per semester**Duration: 1 semester**Grade Level: 10, 11, 12**Status: Elective credit***PSYCHOLOGY****030491**

Psychology explores the complex nature of human behavior. Emphasis is placed upon the most significant concepts of contemporary psychology and the methods psychologists use to study behavior.

*Credit: 1 per semester**Duration: 1 semester**Grade Level: 10, 11, 12**Status: Elective credit***ANTHROPOLOGY****030631**

Anthropology introduces the concepts and tools of understanding human behavior and origins. Anthropologists focus on the interconnections and interdependence of all aspects of the human experience, past and present. Students learn how anthropologists avoid bias to study humans through the fields of Cultural Anthropology, Physical Anthropology, Archaeology, and Linguistics.

*Credit: 1 per semester**Duration: 1 semester**Grade Level: 10, 11, 12**Status: Elective credit***Global Health Science Pathway Course****SOCIOLOGY (Honors Option)****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.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 10, 11, 12**Status: Elective credit***Political Science Pathway Course****LAW AND JUVENILE JUSTICE (Law-Juv 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.

*Credit: 1 per semester**Duration: 1 semester**Grade Level: 10, 11, 12**Status: Elective credit***Political Science Pathway Course****AFRICAN AMERICAN HISTORY (African-Am Hist)****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.

*Credit: 1 per semester**Duration: 1 semester**Grade Level: 11, 12**Status: Elective credit***Political Science Pathway Course****NATIVE AMERICAN CULTURE (Native Am Cult & I)****031610**

Developed from of the Native Indian Centered Education program. This course will examine the development of Native American cultural identity through the evaluation of traditional and contemporary aspects of Northern Plains Indigenous life. This course is designed to provide a history and analyze issues facing Native American Nations with a focus on those residing in Nebraska.

*Credit: 1 per semester**Duration: 1 semester**Grade Level: 11, 12**Status: Elective credit***Political Science Pathway Course****CONTEMPORARY SOCIETAL ISSUES****033111**

An advanced course dealing with the analysis of economic, social, political, environmental, and legal issues which influence contemporary policies and intersect with socio-political events or trends. Students will engage in exploration and analysis of current events using both a historical and political science lens. The course will examine multiple media sources, media bias, and develop students critical thinking, problem solving, and participatory skills to become engaged citizens. Capstone course for Political Science Pathway students.

*Credit: 1 per semester**Duration: 1 semester**Grade Level: 12**Status: Elective credit***Political Science Pathway Capstone Course****CAREERS IN GOVERNMENT AND POLITICS (Careers in Govt and Politics)****033112**

This inquiry-based course provides students with a deeper understanding of political science and the wide variety of career possibilities including: federal, state and local governments; law; business; international organizations; nonprofit associations; campaign management and polling; electoral politics. Students will engage in real world experiences with internship and career exploration opportunities, preparing them to be civic and global contributors. Capstone course for Political Science Pathway students.

*Credit: 1 per semester**Duration: 1 semester**Grade Level: 12**Status: Elective credit***Political Science Pathway Capstone Course**

**AP PSYCHOLOGY 1-2****030641/030642**

AP Psychology 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. Students who select NOT to participate in the AP exam are expected to take a cumulative, AP comparable, teacher-graded end of course exam.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 10, 11, 12**Status: Elective credit***AP MACROECONOMICS  
AP MICROECONOMICS****030662****030661**

AP Microeconomics is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. Students who select NOT to participate in the AP exam are expected to take a cumulative, AP comparable, teacher-graded end of course exam.

AP Macroeconomics gives students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. Students who select NOT to participate in the AP exam are expected to take a cumulative, AP comparable, teacher-graded end of course exam

*Credit: 1 per semester**Duration: 1 semester each**Grade Level: 11, 12**Status: Elective credit***H THINKING FOR YOURSELF**

This OPS pre-IB Diploma Programme course supports students developing critical thinking, creativity, communication and collaboration skills. The lessons introduce students to carefully curated range of brilliant thinkers and concepts, helps them to acclimatize to the Theory of Knowledge world, and gives them a powerful lexicon of knowledge-related terms.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 11, 12**Status: Elective credit***\*\*\*Non-IB Diploma Programme Students grade 10, 11, 12 may sign up for this course****IB Diploma Programme Pathway Course****IB SOCIAL CULTURAL ANTHROPOLOGY SL 1-2****033191/033192**

Social and cultural anthropology is the comparative study of culture and human societies. Anthropologists seek an understanding of humankind in all its diversity. This understanding is reached through the study of societies and cultures and the exploration of the general principles of social and cultural life. Social and cultural anthropology places special emphasis on comparative perspectives that make explicit our own cultural assumptions and those of others. Anthropologists explore problems and issues associated with the complexity of societies in local, regional and global contexts, and as such, it is a dynamic, exciting and highly relevant subject.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 11, 12**Status: Elective credit***\*\*\*Non-IB Diploma Programme Students grade 10, 11, 12 may sign up for this course****IB Diploma Programme Pathway Course****IB THEORY OF KNOWLEDGE (TOK) 1-2****030021/030022**

Theory of Knowledge 1-2 is a course designed to encourage each student to reflect on the nature of knowledge by critically examining different ways of knowing (perception, emotion, language, reason, intuition, imagination, memory and faith) and different areas of knowledge (studies in language and literature, language acquisition, individuals and societies, sciences, mathematics and the arts). Course assessments focus on building the knower's perspective, knowledge issues, and presentation/organization of ideas through small class Socratic seminars, reflective journaling and presentations. The course covers content thematically and TOK 1-2 focuses on the themes of certainty, evidence, interpretation, explanation, technology, values, culture, truth, belief, and intuition. As part of TOK, the other components of the IB Core, the Extended Essay, and CAS (Creativity, Action, and Service), will be addressed. Explicit instruction and review of the Approaches to Teaching and Learning (ATL) skills: thinking skills, communication skills, social skills, self-management skills, and research skills will be included.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 11**Status: Elective credit***\*\*\*Non-IB Diploma Programme Students grade 10, 11, 12 may sign up for this course****IB Diploma Programme Pathway Course****AMERICAN STUDIES****030571**

American Studies is a one-semester elective that can be used to recover a failed credit from United States History 1 or 2. This thematic course covers major topics from United States History semester courses. Topics may include: civil rights, expansion, America at war, economic change and prosperity, and/or the growth and challenges of democracy. This is a one-semester course.

*Credit: 1 per semester**Duration: 1 semester**Grade Level: 10, 11, 12**Meets graduation requirement**Prerequisite: This is a credit recovery course for students who have failed US History 1 or 2 or American Government***INTERNATIONAL STUDIES****030011**

International Studies provides students with the knowledge and skills to function effectively in an increasingly interdependent world. Societal issues having both a global and future orientation are highlighted. This is a one-semester course.

*Credit: 1 per semester**Duration: 1 semester**Grade Level: 10, 11, 12**Meets graduation requirement**Prerequisite: This is a credit recovery course for students who have failed Modern World History 1 or 2 or Human Geography or Intro to Economics*

## SPECIAL INSTRUCTION DEPARTMENT

The goal of Special Instruction services is to provide students with verified disabilities learning opportunities in the least restrictive environment, allowing maximum participation in general education settings. The student's Individual Education Plan (IEP) team identifies services and supports that are needed for participation and progress in the general curriculum. A continuum of services are available ranging from self-contained classrooms to full participation in general education courses with special education support. Contact your IEP case manager or building Special Instruction Department Head for further information.

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:

- General education classes with support in a Facilitated Support Study 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.
- 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 Program 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 who participate in the Alternate Curriculum Program may receive an adjusted diploma per IEP Team decision.

The following special education programs are available in our building:

### Alternative Curriculum 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. **Alternate Curriculum Program (ACP)** 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 who participate in the ACP may receive an adjusted diploma depending on IEP team decision.

Grade	English	Math	Science	Social Studies	Other Required Courses
9	English 9S 1-2	Mathematics 9S 1-2	Science 9S 1-2	Social Studies 9S 1-2	Human Growth Foundations of Computing Personal Finance 12S
10	English 10S 1-2	Mathematics 10S 1-2	Science 10S 1-2	Social Studies 10S 1-2	
11	English 11S 1-2	Mathematics 11S 1-2	Science 11S 1-2	Social Studies 11S 1-2	
12	English 12S 1-2	Mathematics 12S 1-2	Science 12S 1-2	Social Studies 12S 1-2	

<b>ENGLISH 9S 1-2</b>	<b>090341/090342</b>	<b>ENGLISH 11S 1-2</b>	<b>090361/090362</b>
<b>ENGLISH 10S 1-2</b>	<b>090351/090352</b>	<b>ENGLISH 12S 1-2</b>	<b>090371/090372</b>

This Special Education course is for students in the Alternate Curriculum Program only. The course covers functional reading and writing skills to support community access and independent living. In addition, the course focuses on the development of reading and writing skills; specifically locating and reading information in primary resources, applying knowledge of informational text and writing using standard English conventions for sentence structure. Students participate in the Nebraska Alternate Assessment.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 9, 10, 11, 12      Meets graduation requirement ACP*

<b>MATHEMATICS 9S 1-2</b>	<b>091041/091042</b>	<b>MATHEMATICS 11S 1-2</b>	<b>091061/091062</b>
<b>MATHEMATICS 10S 1-2</b>	<b>091051/091052</b>	<b>MATHEMATICS 12S 1-2</b>	<b>091071/091072</b>

This Special Education course is for students in the Alternate Curriculum Program only. The course covers functional math skills to support community access and independent living. In addition, the course focuses on the development of computation skills. Students participate in the Nebraska Alternate Assessment.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 9, 10, 11, 12      Meets graduation requirement ACP*

<b>SCIENCE 9S 1-2</b>	<b>090491/090492</b>	<b>SCIENCE 11S 1-2</b>	<b>090921/090922</b>
<b>SCIENCE 10S 1-2</b>	<b>090521/090522</b>	<b>SCIENCE 12S 1-2</b>	<b>091501/090502</b>

The Special Education course is for students in the Alternate Curriculum Program only. The course focuses on developing an understanding of personal and community health. Students participate in the Nebraska Alternate Assessment.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 9, 10, 11, 12      Meets graduation requirement ACP*

<b>SOCIAL STUDIES 9S 1-2</b>	<b>(091001/091002)</b>	<b>SOCIAL STUDIES 11S 1-2</b>	<b>(091021/091022)</b>
<b>SOCIAL STUDIES 10S 1-2</b>	<b>(091011/091012)</b>	<b>SOCIAL STUDIES 12S 1-2</b>	<b>(091031/091032)</b>

This Special Education course is for students in the Alternate Curriculum Program only. The course focuses on the use of map skills. Students participate in the Nebraska Alternate Assessment.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 9, 10, 11, 12      Meets graduation requirement ACP*

**Personal Finance 12S****091638**

This Special Education course is for students in the Alternate Curriculum Program only. The course focuses on Personal Finance concepts. Students participate in the Nebraska Alternate Assessment.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 12**Meets graduation requirement ACP***Literacy Skills / ACP****090481/090482**

This Special Education course is for students in the Alternate Curriculum Program only. The course focuses on the development and application of reading skills to support community access and independent living. In addition, the course covers locating and reading information in primary resources and applying knowledge of informational text. CRTs are not given.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 9,10, 11, 12**Status: Elective credit***Daily Living and Functional Life Skills / ACP DAILY LIV/LIFE SKI****090722**

This Special Education course is for students in the Alternate Curriculum Program only. The goal of this course is to develop functional life skills necessary for the student to achieve his/her highest potential in skill development and independence. The following domain areas will be emphasized in this course; functional academics, community, domestic and vocational. Topics covered include application of math and reading skills in school and community settings, accessing community sites and services and caring for personal needs.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 9, 10, 11, 12**Status: Elective credit***Study Skills 1-2****090731/090731**

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.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 10, 11, 12**Status: Elective credit***Prerequisite:** IEP Case manager recommendation and Department Chair Approval**WORK EXPERIENCE (WORK-BASED LEARNING)****100021/100022**

This course offers training, evaluation and experience in a work/employment setting at one of three levels:

Level 1. Work Awareness: ACP students develop an awareness of the world of work. Students attend worksites in small groups with a paraprofessional and receive intensive guidance and support. Level 2. Work Training: Students in ACP, Resource, or Behavior Skills work independently at arranged worksites, with supervision of a certified teacher. Students learn basic work skills as well as social and job skills needed to maintain competitive employment. Level 3. On-Job-Placement: Students in ACP, Resource, or Behavior Skills can earn up to 3 elective credits per semester by maintaining competitive employment. Students meet weekly with Work-Based Learning teachers to record employment hours and to complete employer evaluations.

*Credit: Up to 3 per semester**Duration: 2 semesters**Grade Level: 11, 12**Status: Elective credit**Prerequisite: Teacher recommendation. Students participating in Work Training and On-Job-Placement must be in 11<sup>th</sup> grade or 16***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.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 9, 10, 11, 12**Status: Elective credit**Prerequisite: Teacher recommendation.*

# EVERY PATHWAY NEEDS A WORLD LANGUAGE



*“One language sets you in a corridor for life.*

*Two languages open every door along the way.”* Frank Smith

## How does language fit your pathway?

### **Environmental Studies**

Places with incredible biodiversity to study and work are not in English-speaking areas such as the cloud forests in Ecuador and the Amazon Rainforest in Brazil.

### **Teaching as a Profession**

Besides teaching a foreign language, the number of immigrant students in American schools that speak another language continues to increase.

### **Journalism**

Many Hispanic Americans prefer to watch and read news content in Spanish and having local sources able to provide that service is invaluable to them.

### **Political Science**

Bilingual people can positively affect their community because of their ability to engage more easily with members of different linguistic groups.

### **Computer Science/Robotics**

Language learning teaches about rules and patterns of language. This helps to better spot structures, patterns and details which strengthens programming abilities.

### **Global Health Science**

More than three-quarters of US-born individuals with limited English proficiency (LEP) speak Spanish and approximately two-thirds of immigrants with LEP speak Spanish, so the healthcare industry needs Spanish bilingual health care providers.

### **Architectural Design**

Some of the top architectural firms in the world doing amazing projects are in Japan, China, Sweden and the Middle East.

### **Theatrical/Musical/Fine Arts**

Amazing operas, songs and other pieces are created and performed in various languages and countries.

## WORLD LANGUAGES DEPARTMENT

The goal of the World Languages Department is the development of basic communicative skills in listening, speaking, reading, and writing in the target language. The emphasis is on what students can “do” with the language (functional use) as well as what students “know” about language. Emphasis will be placed on activities, which involve meaningful language use. Students should develop an awareness and appreciation of other languages and cultures, which will enable them to interact in an increasingly global society. **Successful completion of core classes is strongly recommended.**

<i>French</i>	<i>German</i>	<i>Spanish</i>	<i>Spanish Speakers</i>
French 1-2	German 1-2	Spanish 1-2	Spanish for Spanish Speakers 1-2
French 3-4	German 3-4	Spanish 3-4	H Spanish for Spanish Speakers 3-4
H French 5-6	H German 5-6	H Spanish 5-6	H Spanish for Spanish Speakers 5-6
H French 7-8	AP German Language 1-2	H Spanish 7-8	AP Spanish Lit 1-2
AP French Language and Culture		H Spanish 9-10	
AP Spanish Language & Culture			

\*Students that are not native Spanish speakers, or can speak Spanish but cannot read or write it, will be recommended for the non-native track

<b>FRENCH 1-2</b>	<b>160301/160302</b>
<b>GERMAN 1-2</b>	<b>160401/160502</b>
<b>SPANISH 1-2</b>	<b>160501/160502</b>

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.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 9, 10, 11, 12      Status: Elective credit*  
*Prerequisite: Successful completion of core courses in middle school is strongly recommended.*

<b>FRENCH 3-4</b>	<b>160311/160312</b>
<b>GERMAN 3-4</b>	<b>160411/160412</b>
<b>SPANISH 3-4</b>	<b>160511/160512</b>

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.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 9, 10, 11, 12      Status: Elective credit*  
*Prerequisite: French 1-2, German 1-2, or Spanish 1-2. It is strongly recommended that 9<sup>th</sup> grade students wishing to take a second year of language have earned a “B” or better in middle school and have a teacher recommendation*

<b>H FRENCH 5-6</b>	<b>160351/160352</b>
<b>H GERMAN 5-6</b>	<b>160451/160452</b>
<b>H SPANISH 5-6</b>	<b>160551/160552</b>

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.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Status: Elective credit*  
*Prerequisite: Grade of “C” or higher in French 3-4, German 3-4, and Spanish 3-4 or permission of the instructor*

<b>H FRENCH 7-8</b>	<b>160361/160362</b>
<b>H SPANISH 7-8</b>	<b>160561/160562</b>

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.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 11, 12      Status: Elective credit*  
*Prerequisite: Grade of “C” or higher in H French 5-6 or H Spanish 5-6 or permission of the instructor*

**H SPANISH 9-10****160571/160572**

This course in World Languages at the fifth-year level continues to emphasize and expand upon all interpretive, presentational, and interpersonal communication skills, while also addressing the more complex forms which are stressed during the fifth year of language study. Students receive intensive preparation to use their second language whether that be at the university level or in whatever career they may choose. Literary and authentic works are studied thoroughly. Compositions and higher-level thinking and applications continue to be emphasized. The continued requirements of formal reports and discussion further refine the students ability to understand and speak the language. Technology is used to open the world of the targeted cultures and civilizations both in the historical and contemporary world.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Status: Elective credit*  
*Prerequisite: Grade of "C" or higher in H Spanish 5-6 or permission of the instructor*

**AP FRENCH LANGUAGE 1-2 (AP French Lang 1-2)****160381/160382****AP GERMAN LANGUAGE 1-2 (AP German Lang 1-2)****160481/160482****AP SPANISH LANGUAGE 1-2 (AP Spanish Lang 1-2)****160581/160582**

The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the student of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). Students who select NOT to participate in the AP exam are expected to take a cumulative, AP comparable, teacher-graded end of course exam.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 12      Status: Elective credit*  
*Prerequisite: Grade of "B" or higher in Honors French 7-8, Honors German 5-6 or Honors Spanish 7-8, Spanish Speakers or permission of instructor.*

**SPANISH FOR SPANISH SPEAKERS 1-2****160851/160852**

This course is designed for students who speak Spanish fluently but have difficulty reading and writing the language. Most of these students feel more comfortable reading and writing in English. Students will develop basic Spanish literacy skills along with gaining a deeper knowledge of the culture, history, and literature of the Spanish language. The course is taught in Spanish.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 9, 10, 11, 12      Status: Elective credit*  
*Prerequisite: Heritage Spanish speaker*

**H SPANISH FOR SPANISH SPEAKERS 3-4 (H Spanish/Spkrs 3-4)****160861/160862**

This course is designed for fluent Spanish speakers with above basic Spanish skills in reading and writing. It focuses on honing academic Spanish skills in listening and speaking while continuing to focus on reading and writing skills. Students will gain deeper knowledge of Hispanic cultures, histories and literature through this class.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 9, 10, 11, 12      Status: Elective credit*  
*Prerequisite: Heritage Spanish speaker or teacher recommendation*

**H SPANISH FOR SPANISH SPEAKERS 5-6 (H Spanish/Spkrs 5-6)****160871/160872**

This course is a continuation of Honors Spanish for Spanish Speakers 3-4 and is designed for students with above average Spanish literacy skills. It focuses on honing academic Spanish skills in listening and speaking while continuing to focus on reading and writing skills. Students will gain deeper knowledge of Hispanic cultures, histories and literature through this class. Students are strongly encouraged to take this course to prepare for AP Spanish Language and/or Literature.

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 10, 11, 12      Status: Elective credit*  
*Prerequisite: Heritage Spanish speaker, grade of "C" or higher in Honors Spanish Speakers 3-4 or teacher recommendation*

**AP SPANISH LITERATURE 1-2 (AP Spanish Lit 1-2)****161121/161122**

The AP Spanish Literature and Culture course uses a thematic approach to introduce students to representative texts (short stories, novels, poetry, and essays) from Peninsular Spanish, Latin American, and United States Hispanic literature. Students develop proficiencies across the full range of communication modes (interpersonal, presentational, and interpretive), thereby honing their critical reading and analytical writing skills. Literature is examined within the context of its time and place, as students reflect on the many voices and cultures present in the required readings. The course also includes a strong focus on cultural connections and comparisons, including exploration of various media (e.g., art, film, articles, literary criticism). Students who select NOT to participate in the AP exam are expected to take a cumulative, AP comparable, teacher-graded end of course exam

*Credit: 1 per semester      Duration: 2 semesters      Grade Level: 12      Status: Elective credit*  
*Prerequisite: Grade of "C" or better in Honors Spanish for Spanish Speakers 5-6, or permission of instructor*



## International Baccalaureate Programme World Language Classes

These classes are designed to have students ready to take H Language 7-8 in their junior year.

**H SPANISH 1-3**

**160701/160702**

**H FRENCH 1-3**

**160721/060722**

This two semester course in World Languages is an accelerated course for students in High School that have never taken a language with the goal of getting in IB Language (H Language 7-8) in their junior year. Students will cover curriculum to get to Novice High by the end of the second semester. During this time, students work extensively with interpretive, presentational, and interpersonal communication skills while also delving more extensively into language structure within context of themes tied to other contents and to College and Career Pathways. Students continue to develop 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.

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 9*

*Status: Elective credit*

*Prerequisite: IB student 9<sup>th</sup> grade or permission from teacher*

**H SPANISH 4-6**

**160711/160772**

**H FRENCH 4-6**

**160731/160732**

This 2<sup>nd</sup> year course in World Languages is an accelerated course for students in High School that have taken Spanish Pre-IB 1-3 with the goal of getting in IB Language (H Language 7-8) in their junior year. Students will cover curriculum to get to Intermediate Low by the end of the second semester. During this time, students work extensively with interpretive, presentational, and interpersonal communication skills while also delving more extensively into language structure within context of themes tied to other contents and to College and Career Pathways. Students continue to develop 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.

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 10*

*Status: Elective credit*

*Prerequisite: IB student 10<sup>th</sup> grade or permission from teacher*





# Nebraska Seal of Bilingualism



## Purpose

The Nebraska Seal of Bilingualism acknowledges a high school student achieving a high level of proficiency in English and at least one additional language.

## What

The Nebraska Seal of Bilingualism is presented as a certificate, and a seal that can be attached to a student's diploma and listed on the student's transcript.



## Why

The ability to communicate in multiple languages is an asset when applying for a job or for college admission.

## How

Submit an application online through the [Nebraska Department of Education](http://Nebraska Department of Education) ([bit.ly/NebraskaSeal](http://bit.ly/NebraskaSeal)) – all parts of the application can be completed online.



## The Result

There is a Gold Seal and a Silver Seal – awarded according to the results of identified proficiency exams.

## 5 Steps to Apply

- 1: Check English language proficiency.
- 2: Check language proficiency other than English.
- 3: Go to [bit.ly/NebraskaSeal](http://bit.ly/NebraskaSeal) and apply.
- 4: Wait for NDE World Language to verify materials.
- 5: Get the Seal and be marked on your transcript.



Visit [Nebraska Seal of Bilingualism Assessment Requirements](http://Nebraska Seal of Bilingualism Assessment Requirements) for more information. ([bit.ly/NESealrequirements](http://bit.ly/NESealrequirements))

If you have any questions,

please contact your World Languages Teacher for more information.





# NEBRASKA CAREER & TECHNICAL EDUCATION MODEL



[www.CESstandards.education.ne.gov](http://www.CESstandards.education.ne.gov)

ADAPTED FROM NAACCTE/ACTE® CAREER CLUSTERS: PATHWAYS TO COLLEGE AND CAREER READINESS, DEVELOPED BY THE NEBRASKA DEPARTMENT OF EDUCATION

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# High School Timeline

**9<sup>th</sup>**  
GRADE

## REGISTER



- » If you haven't yet, **register** for a free Profile Page account at [eligibilitycenter.org](https://eligibilitycenter.org) for information on NCAA initial-eligibility standards.
- » Meet with your high school counselor to ensure they are aware of your plans to compete in NCAA sports.
- » Find your high school's list of **NCAA-approved core courses** to ensure you're taking the right courses, and earn the best grades possible!
- » Use NCAA Research's **interactive map** to locate NCAA schools you're interested in attending.

**10<sup>th</sup>**  
GRADE

## PLAN



- » If you're being **recruited** by an NCAA Division I or II school, **transition** your Profile Page account to an Academic and Athletics Certification account.
- » Monitor the **task list** and **sign up for text alerts** in your **Eligibility Center account** for next steps.
- » Research admissions requirements for NCAA schools you're interested in attending.
- » Ask your high school counselor from each school you attended to upload your **official high school transcript** at the end of the school year.
- » If you fall behind academically, ask your high school counselor for help finding **NCAA-approved core courses**.

**11<sup>th</sup>**  
GRADE

## STUDY



- » Ensure your **sports participation** information is correct in your Eligibility Center account.
- » Check with your high school counselor to make sure you're on track to complete the required number of NCAA-approved **core courses** and **graduate on time**.
- » Share your **NCAA ID** with NCAA schools recruiting you so each school can place you on its **institutional request list**.
- » Take **unofficial and official visits** to NCAA schools you're interested in attending and start applying early.
- » Ask your high school counselor from each school you attended to upload your **official high school transcript** at the end of the school year.

**12<sup>th</sup>**  
GRADE

## GRADUATE



- » Apply to and be accepted by your chosen NCAA school.
- » Ensure your **sports participation** information is correct and **request your final athletics certification** beginning April 1 (fall enrollees) or Oct. 1 (winter/spring enrollees) in your Eligibility Center account.
- » Complete your final NCAA-approved **core courses** as you prepare for graduation.
- » Ask your high school counselor to upload your **final official high school transcript** with **proof of graduation** after you graduate.

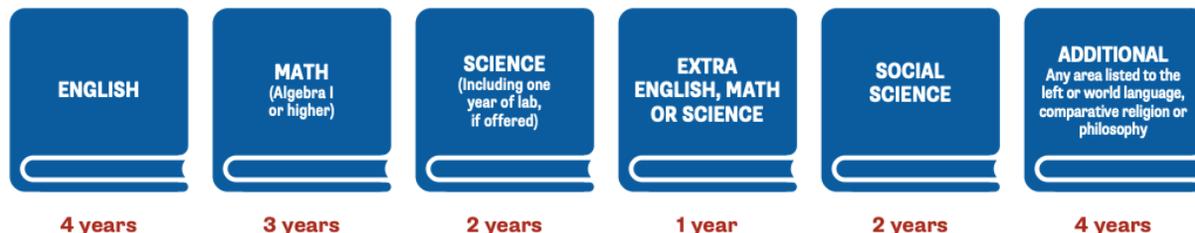
Download the Guide for College-Bound Student-Athletes <https://on.ncaa.com/CBSA>  
Visit the NCAA Eligibility Center for more information <https://web3.ncaa.org/ecwr3/>

# Division I Academic Standards

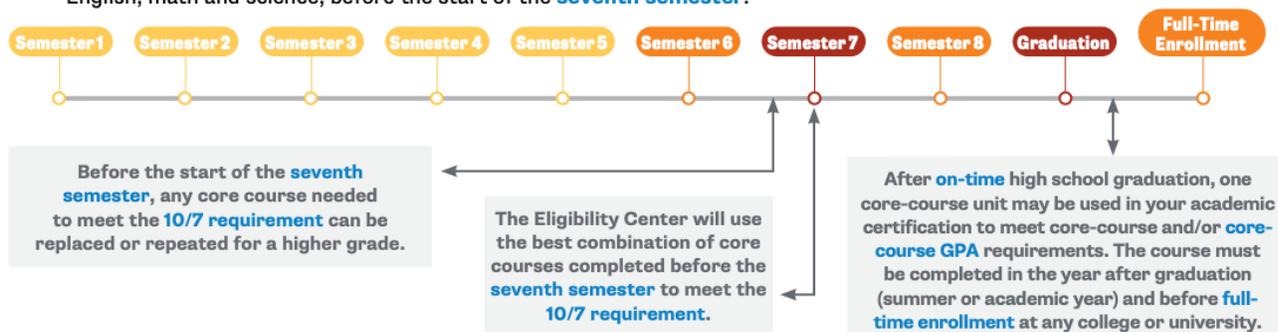
Division I schools require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of full-time enrollment, you must meet the following requirements:



1. Register for an Academic and Athletics Certification account.
2. Earn 16 NCAA-approved core-course credits in the following areas:



3. Complete 16 NCAA-approved core-course credits in four consecutive academic years (eight semesters) from your initial start of ninth grade. If you graduate from high school early, you still must meet core-course requirements.
4. Meet the 10/7 requirement by completing 10 of your 16 NCAA-approved core-course credits, including seven in English, math and science, before the start of the seventh semester.



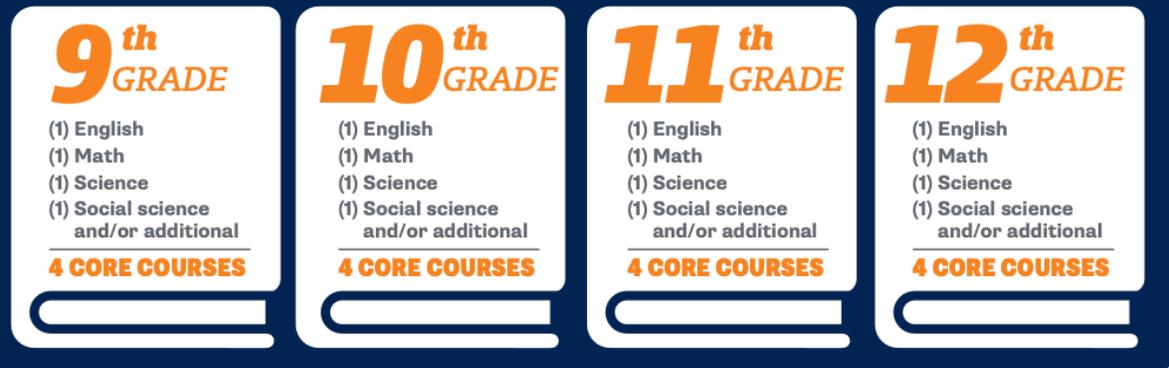
» Students with solely international academic credentials are not required to meet the 10/7 requirement.

5. Earn a minimum 2.3 core-course GPA.
6. Ask your high school counselor to upload your final official high school transcript with proof of graduation to your Eligibility Center account.
7. Receive academic and athletics certifications from the Eligibility Center.

## Example Schedule

How To Plan High School Courses  
To Meet the 16 Core-Course Requirement

$$4 \times 4 = 16$$



# Division II Academic Standards

Division II schools require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of full-time enrollment, you must meet the following requirements:



1. Register for an Academic and Athletics Certification account.
2. Earn 16 NCAA-approved core-course credits in the following areas:

<b>ENGLISH</b>	<b>MATH</b> (Algebra I or higher)	<b>SCIENCE</b> (Including one year of lab, if offered)	<b>EXTRA ENGLISH, MATH OR SCIENCE</b>	<b>SOCIAL SCIENCE</b>	<b>ADDITIONAL</b> Any area listed to the left or world language, comparative religion or philosophy
<b>3 years</b>	<b>2 years</b>	<b>2 years</b>	<b>3 years</b>	<b>2 years</b>	<b>4 years</b>

3. Earn a minimum 2.2 core-course GPA.
4. Ask your high school counselor to upload your final official high school transcript with proof of graduation to your Eligibility Center account.
5. Receive academic and athletics certifications from the Eligibility Center.

## What if You Don't Meet Division II Standards?

If you have not met all the Division II academic standards, you may not compete in your first year of full-time enrollment at a Division II school. However, you will be deemed a partial qualifier. All Division II partial qualifiers may practice and receive an athletics scholarship but may NOT compete during their first year of full-time enrollment.

## Division II Worksheet

Use the Division II Worksheet to assist you in monitoring your progress in meeting NCAA initial-eligibility standards. The Eligibility Center will determine your academic status after you graduate. Remember to check your high school's list of NCAA-approved core courses for courses you have taken or plan to take.



## ACADEMIC CERTIFICATION DECISIONS

Academic certifications are required for all college-bound student-athletes planning to compete at an NCAA Division II school. If you're being recruited by a Division II school, below are the most common decisions you may receive once your academic certification has been completed.

### Early Academic Qualifier

If you meet specific criteria after three consecutive academic years (six semesters) of high school, you may be deemed an early academic qualifier for Division II and may practice, compete and receive an athletics scholarship during your first year of full-time enrollment.

### Qualifier

You may practice, compete and receive an athletics scholarship during your first year of full-time enrollment.

### Partial Qualifier

You may practice and receive an athletics scholarship but may NOT compete during your first year of full-time enrollment.





# Athletics, Activities & Clubs

Athletics		Activities/Clubs	
Baseball	Academic Decathlon	FCA	Omaha Central Broadcasting
Basketball	All Writes Reserved	French Club	Philosophy Club
Bowling	Amnesty International Club	Freshman Vocal Ensemble	Photography Club
Cheerleading	Anime Club	Gamers Club	Podcast Club
Cross Country	Art Club	German Club	Power Lifting Club
Dance Team	Beats by Eagles	Ghost Hunters Club	Science Olympiad
E-Sports	Bell Choir	Girl UP	Senior Class Officers
Football	Birdwatching Club	Girls Lacrosse	Spanish NHS
Golf	Book Club	GSA	Speech & Debate
Soccer	Chess Club	HOSA	Student Council
Step Team	CHS Vegetarians	International Ambassadors	Student Progressives
Swimming	CRU Club	JROTC	Taylor Swift Club
Tennis	DECA	K-pop Club	Teenage Republics
Track & Field	DnD Club	Latino Leaders	Tri-M Music Honor Society
Unified Bowling	Drama Club	Magic the Gathering	Ukulele Club
Unified Track & Field	Educators Rising	Math Club	VEX Robotics
Volleyball	Engineering Club	Musical	Voices for Equity
Wrestling	Environmental Club	National Honor Society (NHS)	World Language Club
	Fashion Club	Newspaper (The Register)	Yearbook (O-Book)
	FBLA	O-Club	



**Do you have an idea for an activity or club that is not listed? Reach out to the Activities Director, Jodi Dierks ([jodi.dierks@ops.org](mailto:jodi.dierks@ops.org)) with your idea! Student interest determines our club offerings.**



