

# Omaha Central High School

## 2023 -2024



## Course Catalog



# CENTRAL HIGH SCHOOL

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



124 North 20 Street, Omaha, NE 68102  
531-299-2660



central.ops.org



@OPSCentralHigh



Omaha Central High School Eagles

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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## 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

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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.*

## ADMINISTRATIVE STAFF

Name	Assigned Students	Phone	Email Address
Dionne Kirksey <b>Principal</b>		531-299-5670	ellisa.kirksey@ops.org
Jodi Dierks <b>Assistant Principal (Activities)</b>	A	531-299- 5621	jodi.dierks@ops.org
Rob Locken <b>Assistant Principal (Athletics)</b>	T - U	531-299-6613	robert.locken@ops.org
Danielle Brandt <b>Assistant Principal (Data)</b>	I - J	531-299-5665	danielle.brandt@ops.org
Dr. Amy Andrews	S, V, W Team McClarnon	531-299-5664	amy.andrews@ops.org
Bill Canney	K – N, P	531-299-5663	william.canney@ops.org
Sara Evans	O, Q - S Team Sayers	531-299-5590	sara.evans@ops.org
Rob List	B - D Team Crandel	531-299-9493	robert.list@ops.org
Molly Mattison	E – H Team Townsend	531-299-5615	molly.mattison@ops.org
Justina Tibbs <b>School Support Liaison</b>		531-299-8666	justina.tibbs@ops.org

## SCHOOL COUNSELORS

Name	Assigned Students	Phone	Email Address
Sheri Harrach <b>School Counseling Director</b>	A, X, Z	531-299-5656	sheri.harrach@ops.org
Jeremy Cisco	B, E, I, K, Y Team McClarnon	531-299-5634	jeremy.cisco@ops.org
Leslie Hill	H, R Team Townsend	531-299-5660	leslie.hill@ops.org
Todd Hunter	F, G, T Team Sayers	531-299-3766	todd.hunter@ops.org
Angie Meyer	12 <sup>th</sup> Grade College	531-299-5659	angela.meyer@ops.org
Mindy Morgan	J, L, W	531-299-5657	mindy.morgan@ops.org
Diane Pfeiffer	D, O, P, U, V	531-299-5864	diane.pfeiffer@ops.org
Julie Politi	M, N	531-299-5661	julie.politi@ops.org
Tom Reilly	C, Q, S Team Crandell	531-299-5662	thomas.reilly@ops.org
Michelle Synowiecki	EL Students	531-299-7668	michelle.synowiecki@ops.org

## DEPARTMENT HEADS

Department	Name	Phone	Email Address
Art	Tanya Simmons	531-299-5632	tanya.simmons@ops.org
Business/Marketing/Information Technology/CAD/Engineering	Trent Lodge	531-299- 5578	trent.lodge@ops.org
English	Jonathan Flanagan	531-299-5613	jonathan.Flanagan@ops.org
English Learners	Megan Kaminski-Doloto	531-299-5596	megan.kaminski-doloto@ops.org
Family Consumer Science	Debi Corell	531-299-5595	deborah.corell@ops.org
International Baccalaureate (IB)	Cathy Andrus (DP) Paul Nielson (CP)	531-299-5654 531-299-5557	cathy.andrus@ops.org paul.nielson@ops.org
Mathematics	Brent Larson	531-299-5558	brent.larson@ops.org
Military Science	Maj. Ryan Cripps	531-299-5491	ryan.cripps@ops.org
Performing Arts	Sara Cowan	531-299-5499	sara.cowan@ops.org
Physical Education	Dennis Baker	531-299-5553	dennis.baker@ops.org
Science	Tracy Rumbaugh	531-299- 5536	tracy.rumbaugh@ops.org
Social Studies	Jimmie Foster	531-299-5530	jimmie.foster@ops.org
Special Education	Julianne Fant	531-299-7972	julianne.fant@ops.org
World Languages	Erica Meyer	531-299-5581	erica.meyer@ops.org





# Portrait of a Graduate



**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



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

## RECOMMENDED ON TRACK INDICATORS

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

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

## \*NEBRASKA COLLEGE ENTRANCE REQUIREMENTS:

Metro Community College and other Nebraska Community Colleges – Proof of graduation from an accredited high school.

Nebraska State College System – Chadron, Peru, Wayne – Proof of graduation from an accredited high school.

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

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

*For students attending King Science Technology Magnet who take Biology and Physical Science their sequence could look different at their respective high schools.*

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

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# Requisitos de Graduación y para entrar a la Universidad de las Escuelas Públicas de Omaha

	REQUISITO DE GRADUACION DE OPS	REQUISITO PARA LA ADMISIÓN A LA UNIVERSIDAD*
MATERIA	CRÉDITOS	AÑOS
<b>Inglés</b>	<b>8 CRÉDITOS</b> Grado 09 – Inglés 1 & 2 Grado 10 – Inglés 3 & 4 Grado 11 – Inglés 5 & 6 Grado 12 – Inglés 7 & 8	<b>4 años</b> Completados con los requisitos de OPS
<b>Estudios Social</b>	<b>7 CRÉDITOS</b> Grado 09 – Historia de EEUU 1 & 2 Grado 10 – Geografía Humana & Introducción a Economía Grado 11 – Historial Mundial 1 & 2 Grado 12 – Gobierno Americano	<b>3 años</b> Completados con los requisitos de OPS
<b>Matemáticas</b>	<b>6 CRÉDITOS</b> Grado 09 – Matemáticas como se recomienda Grado 10 – Matemáticas como se recomienda Grado 11 – Matemáticas como se recomienda	<b>3 años</b> Algebra 1-2, Geometría 1-2, Algebra 3-4, UNL – Un año adicional de matemáticas aparte de Algebra 3-4
<b>Ciencias</b>	<b>** 6 CRÉDITOS</b> Grado 09 – Ciencia Física 1 & 2 Grado 10 – Biología 1 & 2 Grado 11 – Ciencia Electiva	<b>3 años</b> Completados con los requisitos de OPS UNL, UNO, UNK – Debe seleccionar 2 años de biología, química, física o ciencias de la tierra
<b>Educación Física</b>	<b>4 CRÉDITOS</b>	
<b>Crecimiento y Desarrollo Humano</b>	<b>1 CRÉDITO</b>	<b>N/A</b>
<b>Finanzas Personales</b>	<b>1 CRÉDITO</b> Grado 12 – Finanza Personales	
<b>Electivos</b>	<b>16 CRÉDITOS</b> Considere planes de educación e intereses	
<b>Idioma Mundial</b>	<b>N/A</b>	<b>2-3 años</b> del mismo idioma
<b>TOTAL</b>	<b>49 CRÉDITOS REQUERIDO</b> <i>para todas las Preparatorias de OPS</i>	

## INDICADORES DE GRADUACIÓN RECOMENDADOS

Grado	9 - Freshman	10 - Sophomore	11 - Junior	12 - Senior
<b>Créditos Obtenidos</b>	13 créditos	25 créditos en total	37 total créditos	49 créditos en total <i>en materias requeridas</i>

**Note:** Se requieren 49 Créditos para graduarse.

## \*REQUISITOS PARA LA ADMISIÓN A LA UNIVERSIDAD DE NEBRASKA:

Colegio Comunitario Metro y otros Colegios Comunitarios de Nebraska – Comprobante de graduación de una preparatoria acreditada.  
Sistema de Universidad Estatal de Nebraska – Chadron, Peru, Wayne – Comprobante de graduación de una preparatoria acreditada.  
Sistema de Universidad de Nebraska – UNO, UNL, UNK (en línea con requisitos en NCAA) – Vea el manual del estudiante del distrito de OPS.

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

*Para los estudiantes asistiendo King Science Technology Magnet que toman Biología y Ciencias Físicas su secuencia puede verse diferente en sus preparatorias respectivas.*

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



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# 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 4 times per year to students who meet the following criteria:

- *Golden Eagle*: Students with a Grade Point Average of 4.0000 and above for the previous QUARTER
  - *Special*: Students with a Grade Point Average of 3.5000 to 3.9999 for the previous QUARTER
  - *High*: Students with a Grade Point Average of 3.0000 to 3.4999 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 the Purple Feather for the 4<sup>th</sup> time in their high school career AND whose SEMESTER Grade Point Averages have consistently been 3.5000 or higher
  - Students awarded a Purple Feather may purchase an Academic Letter from the Student Council sponsor





# 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

Please visit <https://campus.ops/campus/portal/ops.jsp> for more information on how to use the Campus Mobile Portal app.



- Daily Planner**  
View today's schedule and assignments due for each class.
- Assignments**  
Review all assignments by subject by specific class or by date.
- Attendance**  
Review attendance records in summary and detail forms.
- Grades**  
Review your grades and progress throughout the year.
- Feedback**  
Provide feedback on the app.

### Where to Download the Campus Mobile Portal App

The Campus Mobile Portal app 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 Infinite Campus device, you need to enter our District ID: **Omaha Public Schools**

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

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

If you forget your username or password go to:

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

# Omaha Public Schools

## Common Grading Practices



### How will mastery be evaluated?



Formative: 35%

Summative: 65%

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

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



### What is a rubric?

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

#### Formative Assessments - during learning

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

#### Summative Assessments - at the end of learning

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

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

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

### How do I earn grades on an assessment?

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

(Advanced, Proficient, Basic)

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

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

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

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

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

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





# 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</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> Honors English 3-4 <b>OR</b>
<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>Physical Education</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>Human Growth &amp; Development</b>	Human Growth & Dev (1 sem) <b>OR</b> H. Human Growth & Dev.
<b>Pathway Course</b>	Required course for chosen Pathway
<b>Additional Sections</b> (include World Language, Study Hall, etc.)	1) 2)

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)



# REGISTRATION AND SCHEDULING

## GRADES 10-11

Throughout high school	Students use IC Academic Planner for long-term academic planning
February 2023	Teachers discuss course recommendations, available courses, and next steps with classes and students
Throughout registration process	Parent/guardian review materials sent home, complete homework, review/update IC Academic Planner
February-March 2023	Orientation and one-on-one registration meeting with assigned CHS counselor for all students
During registration appointment	Students' IC Academic Planner locked by assigned counselor
May 2023	Families review courses selected by students for verification
May 15, 2023	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 so as 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.***
- No schedule changes will be made after May 15, 2023 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 (5 credits for seniors).
  - All of the student's one semester classes are in the SAME semester, and study halls are all the opposite semester.

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

- Students in grade 12 are required to register for a minimum of 5 credits per semester. Students taking fewer courses would be considered part-time students which may impact athletic eligibility, social security, college options, etc. Seniors selecting 5 or 6 credits per semester will very likely have a study hall in their schedule. Many colleges look closely at senior schedules for rigor.
- Students may request early release with parent/guardian approval.
- Seniors are encouraged to take a rigorous schedule that will prepare them for college and career.
- 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.

# 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		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		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		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 unit
	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 begun 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

MATHEMATICS	AP CALCULUS AB	Sem. 1: Ch.1-2 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.5-8	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



**METROPOLITAN**  
Community College

## **CAREER ACADEMY PROGRAM PACKET 2023-2024**



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

Applications are available December 1, 2022 from your high school guidance counselor, and online at [mccneb.edu/careeracademy](https://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](https://www.mccneb.edu/apply).

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

**Application Deadline: March 3, 2023.**

#### **QUESTIONS:**

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

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





## 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)**
- 2) **Career Education (CE).**
  - a. **Connected to a Pathway or Academy plan of study**

### Dual Enrollment Benefits

**Reduced Tuition Cost.** Students and families will fill out the Educational Benefits Form (EBF) each school year to determine if they qualify for FREE dual enrollment tuition through the Access College Early (ACE) scholarship program authorized by the Nebraska State Legislature.

**MCC:** \$50 per course. Tuition and Fees waived for 23-24 school year.

**UNO:** \$250 per course. Tuition and Fees will be paid by Omaha Public Schools for students after Access College Early (ACE) Scholarship has been awarded. Students and families must apply for EBF, apply for ACE, and be denied benefits to access Omaha Public Schools funding support for 23-24 school year.

**Midland University:** \$250 per course. Tuition and Fees will be covered by Omaha Public Schools for students after Access College Early (ACE) Scholarship has been awarded. Students and families must apply for EBF, apply for ACE, and be denied benefits to access Omaha Public Schools funding support for 23-24 school year.

\*Tuition and fees are determined by the postsecondary institution.

Omaha Public Schools provides the textbook and all course materials necessary for completion of the dual enrollment course. Tuition payment is the responsibility of the student. If a student qualifies for federal needs-based programs, determined through EBF, they may be eligible for FREE tuition. The ACE scholarship program 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 Educational Benefits Form. Students must work with a building official or counselor to complete the online ACE application. More information on ACE can be found at <http://ccpe.state.ne.us/publicdoc/ccpe/Financial%20Aid/ACE/>

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

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

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

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



## Environmental Studies Pathway

Grade	Required Pathway Classes
9	Freshman Seminar
10	Environmental Science 1-2
11	Environmental Water Technology 1-2
12	Inland Ecosystems 1-2

## Computer Science and Mathematics Pathway

Grade	Required Pathway Classes
9	Freshman Seminar
10	Foundations of Computing 1-2
11	Computational Models 1-2
12	Computational Models 3-4



## Architectural Design Pathway

Grade	Required Pathway Classes
9	Freshman Seminar
10	Architectural Design and Engineering 1-2
11	Architectural Design and Engineering 3-4
12	Architectural Design and Engineering 5-6

## Global Health Science Pathway

Grade	Required Pathway Classes
9	Freshman Seminar
10	Foundation of Health Care (1 semester course) Intro to Medical Terminology and Ethics (1 semester course)
11	Introduction to Medical Humanities (1 semester course) Anthropology (1 semester course)
12	Epidemiology and Disease Prevention 1-2

## Robotics Pathway

Grade	Required Pathway Classes
9	Freshman Seminar
10	Introduction to Robotics 1-2
11	Robotic Concepts 3-4
12	Advanced Robotics 5-6



## Political Science Pathway

Grade	Required Pathway Classes
9	Freshman Seminar
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)

## Entertainment and Sports Marketing Pathway

Grade	Required Pathway Classes
9	Freshman Seminar
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

## International Business and Finance Pathway

Grade	Required Pathway Classes
9	Freshman Seminar
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



## Journalism Pathway

Grade	Required Pathway Classes
9	Freshman Seminar
10	Introduction to Contemporary Journalism 1-2
11	Advanced Contemporary Journalism 1-2
12	Advanced Contemporary Journalism 3-4

## Teaching as a Profession Pathway

Grade	Required Pathway Classes
9	Freshman Seminar
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

## Theatrical Arts Pathway

Required Pathway Classes		
Grade	<i>Theatrical Performance</i>	<i>Technical Theater</i>
9	Freshman Seminar	Freshman Seminar
10	Drama 1-2	Stagecraft 1-2
11	Acting Styles 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	Introduction to Theatrical Design and Production 1-2 *Advanced Theatrical Design and Production 1-2





## Fine and Applied Arts Pathway

Required Pathway Classes		
Grade	<i>2D Emphasis</i>	<i>3D Emphasis</i>
9	Freshman Seminar	Freshman Seminar
10	Art Foundations 1-2	Art Foundations 1-2
11	Intermediate Drawing and Painting 1-2	Beginning Ceramics and Sculpture 1-2
12	Studio Art 1-2	Intermediate Ceramics and Sculpture 1-2

## Vocal Music Pathway

Required Pathway Classes	
Grade	
9	Freshman Seminar Jr. Chorus (Suggested)
10	Bel Canto/A Cappella/Mixed Chorus Music Elective
11	Bel Canto/A Cappella/Mixed Chorus Music Elective
12	Bel Canto/A Cappella/Mixed Chorus Music Elective

## Instrumental Music Pathway

Required Pathway Classes	
Grade	
9	Freshman Seminar Band/Orchestra/Guitar
10	Band/Orchestra/Guitar Music Elective
11	Band/Orchestra/Guitar Music Elective
12	Band/Orchestra/Guitar Music Elective



## Music Technology Pathway

Grade	Required Pathway Classes
9	Freshman Seminar
10	Music Foundations 1-2
11	Music Technology 1-2
12	Music Technology 3-4



## Omaha Central High School

### IB Diploma Programme Pathway

Grade	Required Pathway Classes
9	Freshman Seminar and World Language: French 3-4/Spanish 3-4/German 1-2 or Accelerated Spanish/French
10	World Language: French 5-6/Spanish 5-6/German 3-4 or Accelerated Spanish/French
11	<div> <div> IB English  IB Language: <i>French, German, or Spanish</i>  IB History  IB Science: <i>Biology, Chemistry, Physics or Environmental Systems &amp; Society</i> </div> <div> IB Math  IB Social Cultural Anthropology <u>or</u>  IB Computer Science <u>or</u>  IB Art  IB Core: <i>Theory of Knowledge (TOK)</i> </div> </div>
12	<div> <div> IB English  IB Language: <i>French, German, or Spanish</i>  IB History  IB Science: <i>Biology, Chemistry, Physics</i> </div> <div> 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> </div> </div>

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

**\*\*Pathway classes may include the opportunity for students to earn honors credit.\*\***



# THE PATHWAYS *of* The Career Center

**ALL Students can APPLY!**

Hands-on Learning  
FUN & Friendly  
Field Trips / Job Shadows  
Paid Internships/ Apprenticeships  
Critical Employability Skills  
Earn Industry Certifications  
Access to Early College Credit  
Network with Employers  
Bus Transportation provided



Applications will be emailed to all students!  
Career Center Application 23-24.... [Dec 2022](#)

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

# 23-24 Enrollment



# 11 Pathways

SCAN TO APPLY NOW



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.

*"People are so friendly here,  
that's so different" & "Best part  
of my day"– 2022 students*

## Certified Nursing Assistant

(Must be 18 by course completion)

(11, 12) 2 Credits/Semester

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

## Emergency Medical Technician

(Must be 18 by course completion)

(12) 2 Credits/Semester

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

## Information Support & Networking

(10, 11, 12) 2 Credits/Semester

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

## Digital Video Production

(10, 11, 12) 2 Credits/Semester

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

## UNMC High School Alliance

(11, 12) 2 Credits/Semester

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

Access UNMC High School Alliance Application at  
<https://www.unmc.edu/alliance/>

## Zoo Academy

(11, 12) 2 Credits/Semester

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

Access Zoo Academy Application at  
<https://www.omahazoo.com/zooacademy>

## 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.*

### **ART FOUNDATIONS**

**110841/110842**

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*



### **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 1-2 OR Art Foundations with a passing grade for both semesters*



### **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 1-2 OR Art Foundations with a passing grade for both semesters*



### **ART 5-6 (Advanced Two-Dimensional Design/Sculpture) (Honors Option)**

**110291/110292**

This course offers serious art students the opportunity to apply the elements and principles of design to advanced projects in a variety of media (i.e., various techniques of printmaking, painting, and/or sculpture). In addition to art production, students will use a variety of learning strategies including reading, analyzing and responding to develop a deeper understanding of art. Students will engage in art criticism and aesthetic discussion as they explore various time periods and cultures from an art historical perspective. Students will keep a drawing and reflection sketchbook.

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 11, 12*

*Status: Elective credit*

*Prerequisite: Art 3-4 or Intermediate Drawing and Painting with a grade of "C" or better for both semesters*

### **ART 7-8 (Honors Option)**

**110331/110332**

This course is a culmination of a sequential art experience for twelfth grade students. It provides selected students the opportunity to individualize projects to enhance their own styles in one or more media, while further exploring the philosophical and historical aspects of art.

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 12*

*Status: Elective credit*

*Prerequisite: Art 5-6 with a grade of "C" or better for both semesters, or permission of department head*



**APPLIED DESIGN 1-2****110431/110432**

This course explores design in crafts, with emphasis on function, decoration, 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 1-2 or Art Foundations with a passing grade for both semesters***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***TECHNICAL PROBLEMS: ADVANCED APPLIED DESIGN 3-4 (Honors Option)****110551/110552**

This course is designed for the third year applied design students as an extension of Advanced Applied Design. Lessons will address advanced problems in design, media, and process. Areas of concentration: development of a thematic emphasis, and the art disciplines of aesthetics, art criticism, art history, and art production.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 12**Status: Elective credit**Prerequisite: Advanced Applied Design with a grade of "C" or better for both semesters***INTERMEDIATE CERAMICS AND SCULPTURE**

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. This is the first semester of a year-long course.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 11, 12**Status: Elective credit**Prerequisite: Pottery 1-2 or Beginning Ceramics***POTTERY 5-6 (Honors Option)****110681/110682**

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

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 12**Status: Elective credit**Prerequisite: Pottery 3-4 with a grade of "C" or better for both semesters***STUDIO ART 1-2 (Honors Option)****110451/110452**

This class will provide advanced opportunities to expand and refine artistic skills in a variety of two-dimensional media. Students will develop a personal style and creative ideas to expand one's awareness of art beyond school. Students will focus on portfolio development, presentation, exhibitions, scholarship preparation and career exploration. Learning strategies will allow students to communicate a deeper understanding of their own art and art from a variety of cultural contexts, time periods and cultural settings. This course can be taken concurrently with other art courses. This is a year-long course.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 11, 12**Status: Elective credit**Prerequisite: Art 3-4 with a grade of "B" or better for both semesters, and/or permission of department head*

**HONORS 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: Honors Studio Art 1-2 with a grade of "B" or better for both semesters, and permission of department head*

**AP 2-D ART & DESIGN****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: H Studio Art with grade of "B" or better and/or department head signature*

**AP DRAWING****TBD**

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: H Studio Art with grade of "B" or better and/or department head signature*

**AP 3-D ART & DESIGN****110851/110852**

The AP 3D Art and Design course framework presents an inquiry-based approach to learning about and making art and design. Students are expected to conduct an in-depth, sustained investigation of materials, processes and ideas. The framework focuses on concepts and skills emphasized within college art and design foundations courses with the same intent: to help students become inquisitive, thoughtful artists and designers able to articulate information about their work. AP 3D Art and Design students develop and apply skills of inquiry and investigation, practice, experimentation, revision, communication and reflection. Students can work with any materials, processes and ideas that involve space and form. Figurative or nonfigurative sculpture, architectural models, metal work, ceramics, glasswork, installation, performance, assemblage, and 3-D fabric/fiber arts are among the possibilities.

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 12*

*Status: Elective credit*

*Prerequisite: Pottery 3-4 with a grade of B or better and/or department head permission*

## 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

#### FRESHMAN SEMINAR

181301/181302

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

Credit: 1 per semester

Duration: 2 semesters

Grade Level: 9

Status: Elective Credit



#### 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. This course is eligible for Dual Enrollment.

Credit: 1 per semester

Duration: 1 semester

Grade Level: 12

Status: Meets graduation requirement

#### HONORS PERSONAL FINANCE

120971

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

Credit: 1 per semester

Duration: 1 semester

Grade Level: 12

Status: Meets graduation requirement

#### PRINCIPLES OF BUSINESS, MARKETING AND MANAGEMENT (Honors Option)

120021

This course is designed to introduce students to the Business, Marketing, and Management Career Field, which focuses on formation and structure, economics, management, marketing, financial management, and operations. Career opportunities and technology will also be used and discussed.

Credit: 1 per semester

Duration: 1 semester

Grade Level: 9, 10, 11, 12

Status: Elective credit



#### INTERNATIONAL BUSINESS

120901

This course is designed to introduce students to basic business operations surrounding global trade and to prepare students to live and work in a global economy. Course topics include learning to improve international business relations through appropriate communication strategies; understanding the global business environment and the interconnectedness of cultural, political, legal, economic, and ethical systems; exploring basic concepts underlying international finance, management, marketing, and trade relations; and identifying forms of business ownership and international business opportunities.

Credit: 1 per semester

Duration: 1 semester

Grade Level: 10, 11, 12

Status: Elective credit



#### ENTREPRENEURSHIP (Honors Option)

120401

Description (updated): Entrepreneurship is a course with emphasis 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.

Credit: 1 per semester

Duration: 1 semester

Grade Level: 10, 11, 12

Status: Elective credit



**ACCOUNTING 1-2 (Honors Option)****120171/120172**

This course covers a service business organized as a sole proprietorship which will include 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 and accounting systems and controls. Students are exposed to careers in the accounting field and are given the opportunity to perform accounting applications using technology. Accounting 2 will develop accounting skills that build upon those acquired in Accounting I. Students will continue to apply concepts of double-entry accounting systems related to a merchandising business organized as a corporation. Additional accounting skills will be developed, including preparing and journalizing payroll records, calculating and recording adjusting entries and interpreting financial information. Students are given the opportunity to explore career related skills and perform accounting applications using technology.

*Credit: 1 per semester*  
*Grade Level: 10, 11, 12*

*Duration: 2 semesters*  
*Status: Elective credit*

**HONORS 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*  
*Grade Level: 11, 12*

*Duration: 2 semesters*  
*Status: Elective credit*

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

**BUSINESS/CONSUMER LAW****120391**

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

*Credit: 1 per semester*  
*Grade Level: 10, 11, 12*

*Duration: 1 semester*  
*Status: Elective credit*

**HONORS INTRO TO BUSINESS****121051**

***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. The 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*  
*Grade Level: 11, 12*

*Duration: 1 semester*  
*Status: Elective credit*

*Prerequisite: Permission of department chair*

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

**MARKETING****ENTERTAINMENT AND SPORTS MARKETING 1-2 (Honors Option)****120891/120892**

The 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.

*Credit: 1 per semester*  
*Grade Level: 11, 12*

*Duration: 2 semesters*  
*Status: Elective credit*

**MARKETING 3-4 (Honors Option)****120481/120482**

The course will emphasize entrepreneurial development and responsive marketing strategies that meet customer needs. The course focuses on marketing concepts and the role of marketing in the organization and society. Topics include market segmentation, product development, promotion, distribution, and pricing. Additional topics include external environment, economics, politics, government, marketing research, international marketing, cultural diversity, ethics, technology, and careers in marketing. Capstone activities include development of a marketing or business plan. Students are also eligible to be members of the marketing youth organization, DECA, and participate in the competitions, travel, and activities of this association.

*Credit: 1 per semester*  
*Grade Level: 12*

*Duration: 2 semesters*  
*Status: Elective credit*

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

**MARKETING INTERNSHIP 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****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: 11, 12**Status: Elective credit**Requisite: Concurrent enrollment in Entertainment and Sports Marketing 3-4***INFORMATION TECHNOLOGY****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***INTRODUCTION TO 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: 9, 10, 11, 12**Status: Elective credit***DIGITAL DESIGN (Honors Option)****131431**

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: 1 semester**Grade Level: 9, 10, 11, 12**Status: Elective credit***FOUNDATIONS OF COMPUTING 1-2****131421/131422**

Designed to be the first computer science course for students who have never programmed before, Foundations of Computing is a starting point for Computer Science. Students will explore the impact of computing in society and build skills in digital citizenship and cybersecurity. Beyond learning the fundamentals of programming, students build computational-thinking skills by applying computer science to collaboration tools, modeling and simulation, and data analysis.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 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***AP COMPUTER SCIENCE PRINCIPLES 1-2****131311/131312**

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.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 9, 10, 11, 12**Status: Elective credit***AP COMPUTER SCIENCE A 1-2****130701/130702**

This course uses the Java language to study advanced computer programming concepts. The course will cover arrays, matrices, algorithms, searches and sorts, classes, inheritance and recursion. College credit is available by passing the AP computer science test in May. 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 AP Computer Science Principles 1-2***CAD/DESIGN ENGINEERING DEPARTMENT**

The goals of the CAD/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.

**ARCHITECTURE DESIGN ENGINEERING 1-2**

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***ARCHITECTURE DESIGN ENGINEERING 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.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 11, 12**Status: Elective credit**Prerequisite: Successful completion of Arch. Design Engineering 1-2***CAD/DESIGN ENGINEERING 1-2****170211/170212**

This course will introduce the student to basic drafting skills, technology, and introductory applications of graphic communications. The development of visualization skills, sketching, and the use of software programs used in computer aided drafting (CAD). Dual enrolled with ARCH 1100 & 1110 at Metropolitan Community College.

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

**CAD/DESIGN ENGINEERING 5-6****170241/170242**

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

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 11, 12*

*Status: Elective credit*

*Prerequisite: CAD/Design Engineering 3-4*

**HONORS CAD/DESIGN ENGINEERING 7-8****170261/170262**

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

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 12*

*Status: Elective credit*

*Prerequisite: CAD/Design Engineering 5-6, Algebra 3-4, Geometry 1-2*

**INTRODUCTION 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: 9, 10, 11, 12*

*Status: Elective credit*

**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: 10, 11, 12*

*Status: Elective credit*

*Prerequisite: Introduction to Robotics 1-2*

**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: 11, 12*

*Status: Elective credit*

*Prerequisite: Robotics Concepts 3-4*

**INDUSTRIAL TECHNOLOGY ENRICHMENT (ROBOTICS CONCEPTS 7-8)****170371/170372**

Students will build on concepts from Advanced Robotics Concepts 5-6 and further examine robotics design problems and implement the best possible solution to the proposed problem. The problem will require students to develop deeper understanding of robotics design and implementation. Students will use the foundation of skills and knowledge of robotics to design and implement a project of their own. Student teams will take advantage of Open Source software and hardware to execute their project then present their results. 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 5-6*



## 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.*

### **ENGLISH 1-2**

**010341/010342**

English 1-2 focuses on the Nebraska State Standards for Language Arts which include reading, writing, speaking, listening, and multiple literacies. Students use a variety of unique conceptual lenses to gain command of essential skills in written and oral communication and the reading of literary and informational texts. Students use the writing process to produce five required papers per semester in a variety of modes (narrative, persuasive, argumentative, analytical, and technical). Students study the sequence of language and composition skills assigned to this level, write five required themes each semester, and read a wide range of literary selections including the short story, poetry, Shakespeare's *Romeo and Juliet*, and works such as Dr. Jekyll and Mr. Hyde and *A Raisin in the Sun* among others.

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 9*

*Status: Meets graduation requirement*

### **HONORS ENGLISH 1-2**

**010351/010352**

Honors English 1-2 provides a more rigorous and intensive study of the language arts skills of reading, writing, speaking, listening, and multiple literacies as described in English 1-2. Students read a variety of literary and informational texts and produce five required pieces in the following modes: narrative, persuasive, argumentative, analytical, and technical. Additional coursework is required above and beyond the regular English 1-2 course. Students follow an accelerated English 1-2 curriculum that involves in-depth study of grammar and usage, intense literary experiences with sophisticated texts such as Rouse's translation of Homer's *Odyssey*, *The Count of Monte Cristo*, and Shakespeare's *Romeo and Juliet* among others. Students will write a minimum of five expository, analytical papers per semester. This is not a creative writing or journalism experience. It is the beginning of a demanding college preparatory honors program requiring extensive homework.

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 9*

*Status: Meets graduation requirement*

*Prerequisite: Any one of the following\*: Grade of "A" in English Language Arts-8 1-2, Grade of "B" or higher in Honors English Language Arts-8 1-2, MAP Reading score at or above a score determined by District Curriculum & Instruction Support*

### **ENGLISH 3-4**

**010411/010412**

English 3-4 continues a focus with increasing complexity on the Nebraska State Standards for Language Arts which include reading, writing, speaking, listening, and multiple literacies. Students use a variety of unique conceptual lenses to gain command of essential skills in written and oral communication and the reading of literary and informational texts. Students use the writing process to produce five required pieces per semester in a variety of modes (narrative, persuasive, argumentative, analytical, and technical). Students write five themes each semester. Literary selections include *Idylls of the King*, *Macbeth*, a study of Greek and Roman mythology, and additional works selected by the teacher.

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 10*

*Status: Meets graduation requirement*

### **HONORS ENGLISH 3-4**

**010421/010422**

Honors English 3-4 provides a more rigorous and intensive study of the language arts skills of reading, writing, speaking, listening, and multiple literacies as described in English 3-4. Students read a variety of literary and informational texts and produce five required writing pieces in the following modes: narrative, persuasive, argumentative, analytical, and technical. Additional course work is required above and beyond the regular English 3-4 course. Students follow the English 3-4 curriculum plus additional reading experiences, including *Silas Marner*, *A Tale of Two Cities*, and other works selected by the teacher. A special composition on narrative style is an addition to the five required themes each semester. Students also write an analytical composition based on an independent reading. Students who successfully complete this course will be prepared for AP English Language and Composition in their junior year.

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 10*

*Status: Meets graduation requirement*

*Prerequisite: Grade of "B" or higher in English 1-2, MAP Reading score at or above a score determined by District Curriculum & Instruction Support and teacher permission strongly recommended, parent/guardian permission required*

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

English 5-6 continues a focus with increasing complexity on the Nebraska State Standards for Language Arts which include reading, writing, speaking, listening, and multiple literacies. Students use a variety of unique conceptual lenses related to the American experience (The Individual and Society, A New Birth of Freedom, An Age of Realism, The Modern World) to gain command of essential skills in written and oral communication and the reading of literary and informational texts. Students use the writing process to produce five required pieces per semester in a variety of modes (narrative, persuasive, argumentative, analytical, and technical). The junior offering provides a continuation of grammar and composition skills including the writing of six themes each semester. American literature from 1510 to the present is the main area of concentration. Individual selections include *The Scarlet Letter*, *The Great Gatsby*, and selected poems, plays, and short stories.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 11**Status: Meets graduation requirement***AP ENGLISH LANGUAGE AND COMPOSITION 1-2****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. **Concurrent enrollment in AP World History is strongly 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**Status: Meets graduation requirement**Prerequisite: Grade of "B" or higher in H. English 3-4 and teacher recommendation and parent/guardian permission recommended***ENGLISH 7-8****010531/010532**

English 7-8 is a culminating course focusing on the Nebraska State Standards for Language Arts which include reading, writing, speaking, listening, and multiple literacies through a study of British and global literature. Students use a variety of unique conceptual lenses (Taking Risks, Gender Roles, Seeking Justice, Seeking Peace, Voices of Protest) to gain command of essential skills in written and oral communication and the reading of literary and informational texts. Students produce five required writing pieces in the following modes: narrative, persuasive, argumentative, analytical, and technical. The senior English course provides a continued study of grammar and composition skills. English literature from the Anglo-Saxon period through the present is the main emphasis. Selections include *Beowulf*, *Hamlet*, selected poems, plays, short stories, and novels. The composition requirement is six themes each semester.

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



**AP ENGLISH LITERATURE AND COMPOSITION 1-2****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. Students begin this course in the summer following their junior year by completing reading assignments. It exposes students to a wide range of literary offerings from ancient Greece to contemporary world literature in translation. In addition to the six in-class literary based themes, students write several informal essays, and two research-based papers using MLA formatting. 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**Status: Meets graduation requirement**Prerequisite: Grade of "B" or higher in AP English Language and teacher recommendation and parent/guardian permission recommended***H ACADEMIC RESEARCH AND WRITING****010503**

Honors Academic Research and Writing focuses on formal academic research writing in which students gain proficiency in locating and evaluating primary and secondary sources (print and electronic), analyzing the arguments within these sources, and constructing original informed arguments based on conclusions drawn from research. Students write for varied purposes and formats with an emphasis placed on how to cite sources appropriately based on the subject area's style guides (e.g. MLA, APA, etc.). The course focuses on general research skills as well as the specific skills needed for researching and writing in science, math, English, and social studies. Students should possess an interest in developing and improving research and writing skills. Pre-IBDP students at Central should give serious consideration to this course in preparation for the Extended Essay.

*Credit: 1 per semester**Duration: 1 semester**Grade Level: 10, 11, 12**Status: Elective credit***INTRO TO CONTEMPORARY JOURNALISM 1-2****022051/022052**

As an introductory course and through the lens of mobile media, students will focus on a variety of media platforms for the 21<sup>st</sup> 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 have a specific 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***ADVANCED 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.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 10, 11, 12**Status: Elective credit**Prerequisite: Intro to Contemporary Journalism 1-2***H. NEWSPAPER 3-4****021181/021182**

Students enrolled in this course will be responsible for the print and/or online production of the school newspaper, *The Register*. Students will work individually and collaboratively on their assignments. Quality writing, editing, advertising, photography, and layout design skills are emphasized. This advanced journalism course requires students to fill staff positions, write and edit stories, complete layouts on the computer, take 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**Prerequisite: "B" in H. Newspaper 1 and teacher approval***H. NEWSPAPER 5-6****021191/021192**

Students enrolled in this course will be responsible for the print and/or online production of the school newspaper, *The Register*. Students will work individually and collaboratively on their assignments. Quality writing, editing, advertising, photography, and layout design skills are emphasized. This advanced journalism course requires students to fill staff positions, write and edit stories, complete layouts on the computer, take 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**Prerequisite: "B" in H. Newspaper 3 and teacher approval*

**PHOTOJOURNALISM (Honors Option)****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*

**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 Journalism 1 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: "C" in H. Yearbook 1 and teacher approval*

**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: 10, 11, 12*

*Status: Elective credit*

*Prerequisite: "C" in H. Yearbook 3 and teacher approval*

**HONORS EDITORIAL LEADERSHIP****022751/022752**

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: Concurrent enrollment in H. Yearbook 3-4 or H. Newspaper 3-4 or higher, teacher approval*

**CREATIVE WRITING (Honors Option)****020351/020352**

Creative Writing is a workshop-style elective course providing students with opportunities to write and share verse, fiction, discursive prose, and drama. Students in all grade levels are challenged to enhance their communication skills, extend their appreciation of language, express themselves creatively, and collaborate with other writers. This is a one-semester course and may be taken in successive semesters and years. 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: 1 or 2 semesters (student choice)*

*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**

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 semester**Duration: 1 semester**Grade Level: 10, 11, 12**Status: Elective Credit***ENGLISH REVIEW****011171**

This one-semester course allows a student to make up one credit of English 1-8. Remediation of skills is the basis of design for this course. Students review and practice reading and writing skills including grammar, vocabulary development, composition, and study skills. Assignments will be tailored to meet the particular needs of students. Students will encounter high-interest texts and may be required to complete practical writing assignments as one or two of the five required formal compositions. Though successful completion of the course makes up one required credit of English toward graduation requirements, this credit does not fulfill minimum university English requirements for admission or NCAA participation.

*Credit: 1 per quarter (credit recovery only)**Duration: 1 quarter**Grade Level: 11, 12**Status: Meets graduation requirement***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.

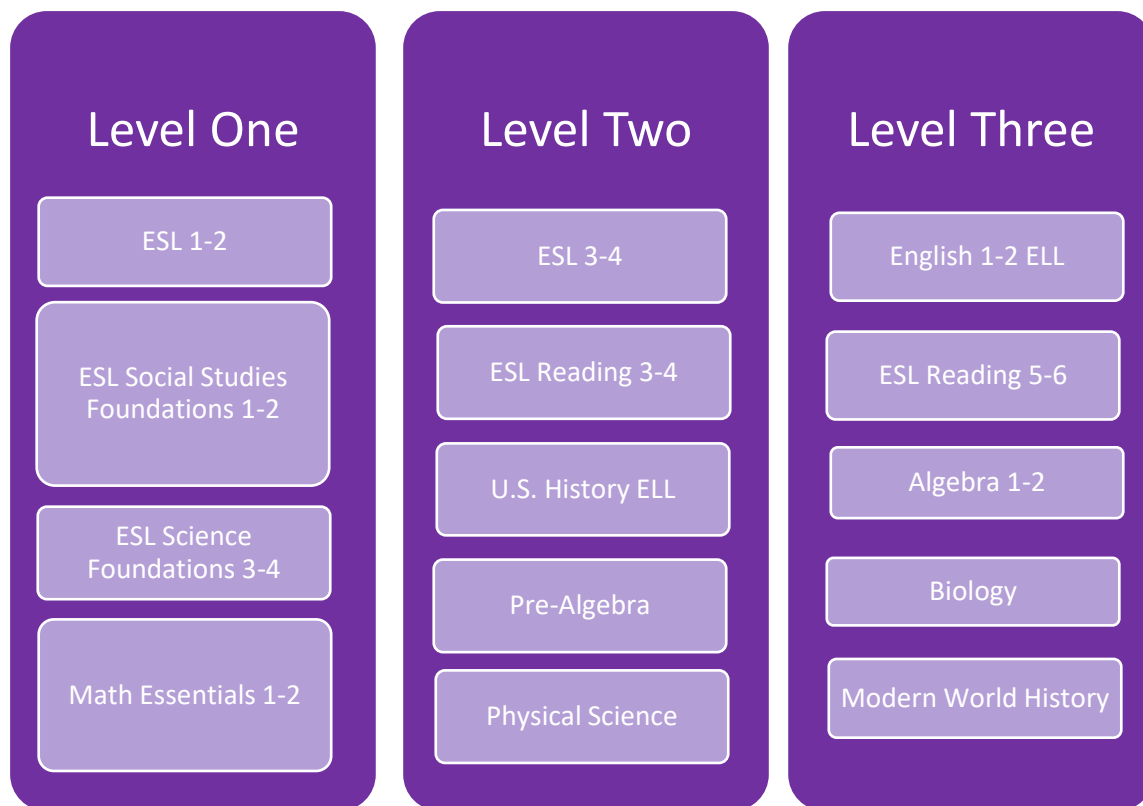
*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 9, 10**Status: Elective Credit***LITERACY SKILLS****011181/011182**

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

### English Learners (EL) Flowchart



\* The above courses are available only to students who qualify for EL services and support. EL students are not limited to these courses. These courses act as an educational guideline for EL students. Each student's graduation plan depends upon the student's academic successes.

\* EL summer school options are available.

*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.*

#### 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*



**MATH ESSENTIALS 1-2****040581/040582**

This course is designed for ESL students who are not prepared to enter the regular sequence of math courses (beginning with pre-algebra). Topics include operations with whole numbers, fractions, decimals and percents, data analysis, geometry, measurement and problem solving. This is the first semester of a yearlong 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 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****155171/155172**

Basic reading skills for each level of study are introduced and practiced. These include: basic comprehension, vocabulary expansion, identification of main ideas, supporting details, sequencing, and using prediction as a reading tool. This course may be repeated.

*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****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**Status: Elective credit**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**Status: Meets graduation requirement**Prerequisite: EL students, placement determined by EL program***ESL 5-6****155151/155152**

Course Description/Narrative: 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**Status: Meets graduation requirement**Prerequisite: EL students concurrently enrolled in ESL 3-4 or ESL 5-6***PHYSICAL SCIENCE 1-2 ELL****060901/060902**

This course has a special focus on language development, but content and standards are the Physical Science 1-2 standards. This course engages students in inquiry-based problem solving as they investigate Physical Science issues that are relevant to their daily lives. Topics of study include: matter, energy, forces and motion, Earth in space, Earth structures and processes. This course meets the district requirement for physical science.

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

**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.

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

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

**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: 10, 11, 12**Status: Elective credit***TEXTILE CONSTRUCTION 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****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: Clothing and Textiles 1-2 or Textile Construction and Design 1-2 with a grade of "C" or better***DESIGN WORKSHOP****140201/140202**

This course is designed for students interested in pursuing advanced study in the fashion and textile industry. It provides students with hands on opportunities in garment design and construction. Students will develop a portfolio including fashion sketches, fabrics and photo of completed designed garments. Designing, pattern making, draping and clothing construction are included in this class.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 11, 12**Status: Elective credit**Prerequisite: Clothing and Textiles 3-4 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: training diets, planning pre-competition meals, ideal weight ranges and body composition, carbohydrate loading, special nutritional needs of athletes, supplements and drugs, nutrition related health problems in sports, body fluid balance and the importance of water, eating disorders, how to gain/lose weight, ergogenic acids and the relationships between calorie needs and physical education.

*Credit: 1 per semester**Duration: 1 semester**Grade Level: 9, 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.

### 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 Mrs. Andrus in room 236 for information. The *Intent to Participate* form for the IB Diploma Programme can be found on the Central High School website.

### **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.

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 11*

*Status: Meets graduation requirement*

*Prerequisite: Honors English 3-4\* and must be pursuing an IB Diploma*

### **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.

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 12*

*Status: Meets graduation requirement*

*Prerequisite: IB English HL 1-2*



<b>IB FRENCH SL 1-2</b>	<b>160321/160322</b>
<b>IB GERMAN SL 1-2</b>	<b>160421/160422</b>
<b>IB SPANISH HL/SL 1-2</b>	<b>160521/160522</b>

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*

<b>IB FRENCH SL 3-4</b>	<b>160324/160325</b>
<b>IB GERMAN SL 3-4</b>	<b>160431/160432</b>
<b>IB SPANISH HL/SL 3-4</b>	<b>160531/160532</b>

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 1-2*

<b>IB SPANISH AB INITIO SL 1-2</b>	<b>TBD</b>
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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 Diploma Programme Coordinator*

<b>IB SPANISH AB INITIO SL 3-4</b>	<b>TBD</b>
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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 Diploma Programme Coordinator*

<b>IB HISTORY HL 1-2</b>	<b>030391/030392</b>
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The IB History HL course covers 20th Century world history and is the first 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: Nationalism and Independence Movements (emphasis on India and Pakistan, Algeria, and Vietnam), The Cold War, and Communism in Crisis (c. 1976-1991). 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: 11*

*Status: Elective credit*

*Prerequisite: Honors Intro to Economics and H Geography or AP Human Geography\* and must be pursuing an IB Diploma*

<b>IB HISTORY HL 3-4</b>	<b>030371/030372</b>
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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 HL/SL 1-2**

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*

*Status: Elective credit*

### **IB COMPUTER SCIENCE HL 3-4**

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. 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*

### **IB SOCIAL CULTURAL ANTHROPOLOGY HL/SL 1-2**

**030561/030562**

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*

### **\*\*Non-IB Diploma students may take this course**

### **IB SOCIAL CULTURAL ANTHROPOLOGY HL 1-2**

**031561/031562**

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**

**032561/032562**

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: 12*

*Status: Elective credit*

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

### **IB BIOLOGY HL/SL 1-2**

**060441/060442**

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*

*Status: Meets graduation requirement for third year of science*

*Prerequisite: Honors Biology, Honors Chemistry and Honors Physics\* and must be pursuing an IB Diploma*

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

IB Biology HL 3-4 is the second year HL extension and is designed to review previously studied topics by examining biological concepts in depth. These new concepts include: nucleic acids and proteins, cell respiration and photosynthesis, genetics, plant structure and physiology, human health and physiology, evolution, and ecology and conservation. Methodology will follow that of the SL and HL Biology 1-2 courses described previously.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 12**Status: Meets graduation requirement for third year of science**Prerequisite: IB Biology HL 1-2***IB CHEMISTRY HL/SL 1-2****060751/060752**

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**Status: Meets graduation requirement for third year of science**Prerequisite: Honors Biology, Honors Chemistry and Honors Physics\* and must be pursuing an IB Diploma***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**Status: Meets graduation requirement for third year of science**Prerequisite: IB Chemistry HL 1-2***IB ENVIRONMENTAL SYSTEMS AND SOCIETY (ESS) 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 21st 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, Honors Chemistry and Honors Physics\* and must be pursuing an IB Diploma***IB PHYSICS HL/SL 1-2****060781/060782**

IB Physics SL 1-2 is an inquiry based exploration of the principles of physics, experimental design, and investigation within an international and historical context. The coursework will follow the IB curriculum and philosophy and will include the following topics with two of the optional topics: Physics and Physical Measurement, Mechanics, Thermal Physics, Oscillations and Waves, Electric Currents, Fields and Forces, Atomic and Nuclear Physics, Energy, Power and Climate Change. Optional topics are: Sight and Wave Phenomena, Quantum Physics and Nuclear Physics, Digital Technology, Relativity and Particle physics. Students must also complete a cross disciplinary group project.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 11**Status: Meets graduation requirement for third year of science**Prerequisite: Honors Biology, Honors Chemistry and Honors Physics\* and must be pursuing an IB Diploma*

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

IB Physics HL 3-4 is an inquiry based exploration of the principles of physics, experimental design, and investigation within an international and historical context. 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, Electric 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**Status: Meets graduation requirement for third year of science**Prerequisite: IB Physics HL 1-2***IB MATHEMATICS: APPLICATIONS AND INTERPRETATION HL/SL 1-2****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**Status: Meets graduation requirement**Prerequisite: Algebra 3-4 and must be pursuing an IB Diploma***IB MATHEMATICS: ANALYSIS AND APPROACHES 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**Status: Meets graduation requirement**Prerequisite: Honors Algebra 3-4 and must be pursuing an IB Diploma***IB MATHEMATICS: ANALYSIS AND APPROACHES 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**Status: Meets graduation requirement**Prerequisite: Honors Pre-calc/Trig and must be pursuing an IB Diploma***IB MATHEMATICS: APPLICATIONS AND INTERPRETATIONS 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**Status: Meets graduation requirement**Prerequisite: IB Mathematics: Applications and Interpretations SL 1-2***IB MATHEMATICS: ANALYSIS AND APPROACHES 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**Status: Meets graduation requirement**Prerequisite: IB Mathematics: Analysis and Approaches SL 1-2***IB MATHEMATICS: ANALYSIS AND APPROACHES 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**Status: Meets graduation requirement**Prerequisite: IB Mathematics: Analysis and Approaches HL 1-2*



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

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 1-2 (a second year of art is strongly recommended) and must be pursuing an IB Diploma***IB ART HL/SL 3-4****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: Art 1-2 (a second year of art is strongly recommended) and must be pursuing an IB Diploma***HONORS 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: 1 semester**Grade Level: 10**Status: Elective Credit*

**\*\*\*Non-IB Diploma Programme Students grade 10 MAY  
take this 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: IB Diploma Programme Students Grade 11**Status: Elective credit*

**\*\*\*Non-IB Diploma Programme Students grades 11 and 12 MAY  
take this course**

**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 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).

## 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
- service learning
- language development
- 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.

### Service learning

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 development

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, analyse, 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

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## IB CAREER PROGRAMME CORE 1-2

131071/131072

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 11*

*Status: Elective credit*

*Prerequisite: Must be pursuing IB Career-related Programme Certificate*

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## IB CAREER PROGRAMME CORE 3-4

131081/131082

*Credit: 1 per semester*

*Duration: 2 semesters*

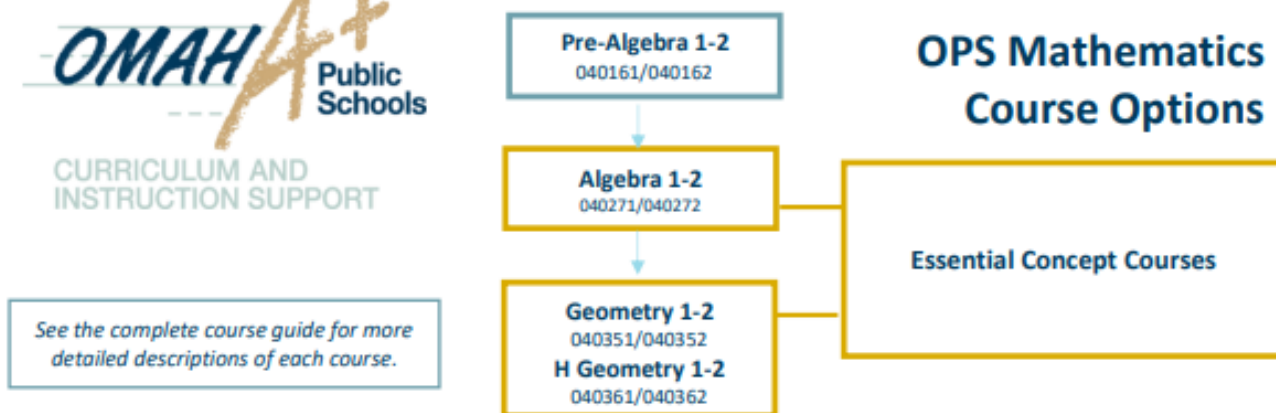
*Grade Level: 12*

*Status: Elective credit*

*Prerequisite: Must be pursuing IB Career-related Programme Certificate*



## OPS Mathematics Course Options



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 after Algebra 3-4**  
Note: 4-year colleges and universities prefer students complete one course beyond Algebra 3-4

**PreCalc/Trig 1-2 (senior only)**  
040401/040402  
**H PreCalc/Trig 1-2**  
040411/040412

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

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

**Course Options available after H PreCalc/Trig 1-2**  
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.*

### **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, 10*

*Status: 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, 11, 12*

*Status: 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. This course is the first semester of Geometry 1-2. 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, 12*

*Status: 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*

### **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*

*Status: 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*

*Status: 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*

*Status: 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**Status: Meets graduation requirement**Prerequisite: Algebra 3-4 or Honors Algebra 3-4***HONORS PRE-CALCULUS/TRIGONOMETRY 1-2****040411/040412**

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

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 10, 11, 12**Status: 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 Honors Pre-CalcTrig 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, noncalculus 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**Status: Meets graduation requirement*

*Prerequisite: Pre-Calc/Trig 1-2 and teacher recommendation, or Honors Algebra 3-4 and teacher recommendation if taken concurrently with Honors Pre-Calc/Trig*

**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**Status: Meets graduation requirement*

*Prerequisite: Grade of "B" or higher in Honors Pre-Calc/Trig 1-2, 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**Status: Meets graduation requirement*

*Prerequisite: Grade of "B" or higher in Honors Pre-Calc/Trig 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: 12**Status: Meets graduation requirement*

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

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

Topics include first order, linear, or homogeneous differential equations and systems; the Laplace transform; boundary value problems; series and numerical solutions; and nonlinear systems. 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: 12*

*Status: Meets graduation requirement*

*Prerequisite: Grade of "C" or higher in AP Calculus BC, must be paired with Honors Calculus 3*

**HONORS 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*

**HONORS 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: Meets graduation requirement*

*Prerequisite: AP Calculus BC and teacher recommendation*

**MCC BUSINESS MATH****049501/049502**

This course is directed toward the development and application of the mathematics skills needed to solve problems related to business occupations. Topics include percentages, checking accounts and services, payroll, payroll taxes, cash and trade discounts, property and sales taxes, simple and compound interest, installment purchases, loan payment plans, and annuities. Instruction and assessments are delivered electronically with the support of a classroom teacher. This course has a dual enrollment component that satisfies the math requirement for many MCC associate degree programs.

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 11, 12*

*Status: Meets graduation requirement*

*Prerequisite: Geometry 1-2*

**MCC TECHNICAL MATH****049511/049512**

This course is directed toward the development and application of the mathematics skills needed to solve problems related to career and technical fields. Students apply ratios and proportions, measurement concepts, algebraic operations, geometrical relationships and right triangle trigonometry to problem solving of technical applications. Instruction and assessments are delivered electronically with the support of a classroom teacher. This course has a dual enrollment component that satisfies the math requirement for many MCC associate degree programs.

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 11, 12*

*Status: Meets graduation requirement*

*Prerequisite: Geometry 1-2*

# OPS MCC Math Dual Enrollment

OPS MCC Math Dual Enrollment is a program offered through Metropolitan Community College and is designed to equip high school students with the math skills necessary to earn an associate's degree. Students attend an MCC Math class as part of their regular high school schedule, however, the course is a self-paced curriculum delivered in an online format with the support of certified teachers. Upon successful completion, students will have earned both OPS high school credit as well as Metropolitan Community College credits.

## Courses Available:

MCC Course Title	OPS Course Title (Course Number)	OPS Credit Type	MCC Credit Equivalence
MATH 0910* – Pre-Algebra	This course is included in both MCC Business Math 1220 and MCC Technical Math 1240	*	5.0 credits
MATH 1220 – Business Mathematics OR MATH 1240 – Technical Mathematics	MCC Business Math 1220 (049501/049502) OR MCC Technical Math 1240 (049511/049512)	2 Math (1 per semester)	4.5 credits

*\*Proficiency with course content from Math 0910 is required before engaging with Math 1220 or Math 1240 content. Students may place out of this course based on an ACT score or pre-test score.*

## How do students register?

Students register with their school counselor when they register for their courses.

## Do these courses meet the math requirements for graduation in OPS?

Yes. Students may earn one credit per semester for MCC Business Math 1220 and MCC Technical Math 1240. These courses, however, do not meet NCAA eligibility.

## Are there any fees?

There are no fees for students. The cost of the course and dual enrollment is funded by the Peter Kiewit Foundation and other sources. The cost equivalent that is covered by the funder is approximately \$1000.

## What is dual enrollment?

Dual enrollment is a term used for courses that simultaneously earn a student credit at high school and at a partner institution such as Metropolitan Community College.

## Are all MCC Modular Math students dual enrolled?

Yes. All students that are enrolled in OPS MCC Business Math 1220 or MCC Technical Math 1240 are automatically dual enrolled with Metropolitan Community College.

## Are there any other requirements for students to enroll in MCC Modular Math?

Yes. All students that are enrolled in OPS MCC Business Math 1220 or MCC Technical Math 1240 MUST also complete an MCC dual enrollment form which includes a parent/guardian signature. Other data collection forms may also be requested.

## How can students learn more about these MCC Modular Math courses and other courses offered through Metropolitan Community College?

Students can search "math" at <https://mycatalog.mccneb.edu/> to find full descriptions of the MCC Modular Math courses or choose a different search term if interested in other courses that MCC has to offer.

# 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.

### JROTC 1-2. LEADERSHIP EDUCATION AND TRAINING I (LET 1) THE EMERGING LEADER

**070811/070812**

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

*Credit: 1 per semester*

*Duration: 2 semesters*

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

*Status: Meets graduation requirement*

*Prerequisite: None*

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

### JROTC 3-4. LEADERSHIP EDUCATION AND TRAINING II (LET 2) THE DEVELOPING LEADER

**070821/070822**

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*

*Status: Meets graduation requirement*

*Prerequisite: J ROTC 1-2*

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



**JROTC 5-6. LEADERSHIP EDUCATION AND TRAINING III (LET 3) THE SUPERVISING CADET****070831/078032**

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

An Honors Course is available to selected cadets with instructor permission.

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 11, 12*

*Status: Meets graduation requirement*

*Prerequisite: J ROTC 3-4*

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

**JROTC 7-8. LEADERSHIP EDUCATION AND TRAINING IV THE MANAGING LEADER (LET 4)****070841/070842**

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*

*Status: Meets graduation requirement*

*Prerequisite: J ROTC 5-6*

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

**JROTC ELECTIVE COURSES**

**Note: 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 1-2****070780/070781**

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*

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

**INTERMEDIATE MARKSMANSHIP 3-4****071051/07512****071051-2 Intermediate Marksmanship**

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: 11, 12**Prerequisite:* Must be enrolled in a JROTC LET Course**ADVANCED MARKSMANSHIP 5-6****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**Prerequisite:* Must be enrolled in a JROTC LET **Course Requires Instructor permission****BASIC COLOR GUARD 1-2****220440/220441**

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 prepare for ceremonies, exhibition and competition, and to prepare cadets to become drill team commanders. Students taking this course will be expected to participate as members of JROTC Color Guard and Drill Teams which will require before and after school practices and attendance at scheduled drill team competition events on weekends.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 9,10, 11, 12**Prerequisite:* Must be enrolled in a JROTC LET Course **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

#### **CONCERT BAND 1-2 (Honors Option)**

**190621/190622**

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*

*Status: 1<sup>st</sup> Semester counts as PE credit, 2<sup>nd</sup> Semester counts as Elective credit*

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



#### **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. Performance includes fall, winter, and spring concerts as well as the All-City Music Festival and District Music Contest. Students are required to participate in all scheduled performances. Members may audition for participation in the pit orchestra for the production of the school's Broadway musical and the All-State Music Festival.

*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*



#### **HONORS 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. Various jazz rudiments and improvisation techniques are introduced through a variety of jazz and popular styles of music. Membership is by audition. This group plays at various functions including concerts, contests, and Road Show. Students learn to perform different jazz styles.

*Credit: 1 per semester*

*Duration: 2 semesters*

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

*Status: Elective credit*

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



#### **INSTRUMENTAL LESSONS 1-2**

**190941/190942**

This course is designed to introduce students to private and small group instruction. Instrumental music fundamentals including pitch and rhythmic accuracy, specific instrumental technique, solo preparation and small ensemble performance are emphasized.

*Credit: 1 per semester*

*Duration: 2 semesters*

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

*Status: Elective credit*

*Prerequisite: Previous instrumental music experience and permission of instructor*



#### **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: 9, 10, 11, 12*

*Status: Elective credit*

*Prerequisite: Permission of instructor*



**GUITAR 3-4****191141/191142**

In this course students will build on the foundation of playing techniques covered in Guitar 1-2. 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: 10, 11,12**Status: Elective credit**Prerequisite: Permission of instructor or completion of Guitar 1-2***HONORS GUITAR 5-6****191151/191152**

In this course students will build on the foundation of playing techniques covered in 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: Completion of Guitar 3-4 with grade of "B" or better, and successful audition with instructor***HONORS GUITAR 7-8****191181/191182**

This course is for students who are experienced in playing guitar and will be focused on distinction level standards. Building on techniques and skills already learned, the students will be expected to perform in all classical position extended ranges, demonstrate advanced facilities in both flat picking and finger picking techniques, play and solo competently in a variety of styles, perform solo and ensemble repertoire at the advanced level, exhibit enhanced aural skill training, and further their theoretical understanding of music with particular attention to composition and arranging. This is an active performance ensemble; students will be required to participate in rehearsals and performances scheduled outside the school day. Solo and small group work will be an integral part of public performances.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 12**Status: Elective credit**Prerequisite: Completion of Honors Guitar 5-6 with grade of "B" or better, and successful audition with instructor***PIANO****190880/190881**

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***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***VOCAL MUSIC****JUNIOR CHORUS 1-2****190261/190262**

The Junior Chorus is a training choir for all grade levels. This chorus is intended for singers with advanced vocal ability. 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*

**MIXED CHORUS 1-2****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***TREBLE ENSEMBLE 1-2 – Bel Canto (Honors Option)****190391/190392**

This is a highly select treble chamber ensemble. Required performances include **at least** one concert per quarter (Madrigal Dinner, Winter Concert, Roadshow, Spring Concert), as well as District Music Contest, the UNL Women's Chorus Festival and various run-out community concerts during the holiday season. The emphasis is on musical literacy and performance. This course is an advanced chamber ensemble selected by audition. Treble Ensemble members are simultaneously enrolled in the school's principal choral organizations. Frequent performance must be a student consideration for enrollment.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 10, 11, 12**Status: Elective credit**Prerequisite: Audition***CONCERT CHOIR 1-2 – A Capella (Honors Option)****190281/190282**

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. The emphasis is on musical literacy and the performance of various types of choral literature. 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. Membership is selected by audition.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 11, 12 (10th with permission of instructor)**Status: Elective**credit Prerequisite: Audition***HONORS CHAMBER ENSEMBLE 1-2 -- Central High Singers****190441/190442**

This is a highly select mixed chamber ensemble. Required performances include **at least** one concert per quarter (Madrigal Dinner, Winter Concert, Roadshow, Spring Concert), as well as District Music Contest and various run-out community concerts during the holiday season. The emphasis is on performance. This course is an advanced chamber ensemble for mixed voicing selected by audition. Members may be simultaneously enrolled in one of a school's principal choral organization. Frequent performance must be a consideration for enrollment.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 11, 12 (10th with permission of instructor)**Status: Elective**Prerequisite: Audition and concurrent enrollment in Concert Choir***MUSIC THEORY AND TECHNOLOGY****MUSIC FUNDAMENTALS**

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***HONORS MUSIC THEORY 1-2****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: 10, 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****DRAMA 1-2: DRAMA****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***ACTING STYLES AND TECHNIQUES 1-2****021641-021642**

This course is the study and application of acting principals and techniques, drama technology, and 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***ADVANCED THEATRICAL PERFORMANCE (Honors Option)****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 credit per semester**Duration: 2 semesters**Grade Level: 10, 11, 12**Status: Elective credit**Prerequisite: Student has taken Drama 1-2 and Acting Styles & Techniques***MUSICAL THEATER AND DANCE 1-2****190298/190299**

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 are required to attend and critique all CHS play and musical productions.

*Credit: 1 credit per semester**Duration: 2 semesters**Grade Level: 10, 11, 12**Status: Elective credit**Prerequisite: Student has taken Drama 1-2 and Acting Styles & Techniques***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*

**ADVANCED 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 is for Central High School students only.

*Credit: 1 per credit per semester**Duration: 2 semesters**Grade Level: 10, 11, 12**Status: Elective credit**Prerequisite: Stagecraft 1-2***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 credit per semester**Duration: 2 semesters**Grade Level: 10, 11, 12**Status: Elective credit**Prerequisite: Advanced Stagecraft***ADVANCED 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. This course is for Central High School students only.

*Credit: 1 credit per semester**Duration: 2 semesters**Grade Level: 11, 12**Status: Elective credit**Prerequisite: Student has taken Stagecraft 1-2, Advanced Stagecraft and Intro. to Theatrical Design and Production***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.*

**HUMAN GROWTH AND DEVELOPMENT (Honors Option)****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: 1 semester**Grade Level: 10, 11**Status: Meets graduation requirement***AEROBICS 1-2****070451/070452**

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

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

**ADVANCED AEROBICS 1-2****070491/070492**

Students will be involved in a variety of activities for cardiovascular fitness including dance, step aerobics, free weights, water aerobics, kick aerobics and much more. The class will help increase and develop the students' cardiovascular endurance, muscle strength and endurance. Students will also become familiar with the human anatomy as well as develop nutritional plans for themselves.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 10, 11, 12**Status: Meets graduation requirement**Prerequisite: Grade of "C" or better in Aerobics 1-2***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**Status: 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**Status: Meets graduation requirement***LIGHT WEIGHT TRAINING/CONDITIONING 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**Status: Meets graduation requirement***WEIGHT TRAINING/CONDITIONING 1-2****070261/070262**

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

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 10, 11, 12**Status: Meets graduation requirement***ADV WEIGHT TRAINING 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**Status: Meets graduation requirement**Prerequisite: "C" or better in Weight Training/Conditioning 1-2***PE MENTORS****070201/070202**

This course is designated for exceptional learners to participate in physical education with students who enrolled in the Alternate Curriculum Program. P.E. Mentors will be responsible for assisting students who participate in the Alternate Curriculum Program with their objectives individually and as a group. This course is designed for all students to improve cardiovascular fitness, muscular strength, flexibility, and body composition. Emphasis is placed on sportsmanship and developing motor skills needed for independent living. Student enrollment will be limited to 11th and 12th graders and will need both teacher and administrator approval.

*Credit: 1 per semester**Duration: 2 semesters**Grade Level: 11, 12**Status: Meets graduation requirement**Prerequisite: Selection via application process.***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: One semester**Grade Level: 11, 12**Status: Meets graduation requirement**Must provide own transportation for field experience*

## 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.

### **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*

*Prerequisite: None*

### **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: Any one of the following\*: Grades of "B" or higher in Science 8 1 and 2 **and** concurrent enrollment in Algebra 1-2 or higher math course, MAP Math Score **and** MAP Science Score at or above a score determined by District Curriculum & Instruction Support.*

### **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*

### **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: Any one of the following\*: Grade of "A" in Physical Science 1 and 2 (Current 9<sup>th</sup> Grade Only), Grade of "B" or higher in Honors Physical Science 1 and 2, MAP Science score at or above a score determined by District Curriculum & Instruction Support*

### **FOUNDATIONS OF HEALTH CARE**

**074061**

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: 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*



### **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*



### **INTRODUCTION TO MEDICAL HUMANITIES**

This course introduces students to many disciplines and fields – including history, literature, philosophy, law, ethics, and media studies – to study the context of medicine, the experience of medicine, the goals of medicine, and concepts in and of medicine. It focuses on the contributions and perspectives of arts and humanities in providing a and culturally diverse understanding of health, illness, healing, and medicine.

*Credit: 1 per semester*

*Grade Level: 11, 12*

*Duration: 1 semester*

*Status: Elective credit*



### **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*

*Grade Level: 10, 11, 12*

*Prerequisites: Physical Science*

*Duration: 2 semesters*

*Status: Elective credit*



### **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*

*Grade Level: 11, 12*

*Duration: 2 semesters*

*Status: Elective credit*



### **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*

*Grade Level: 10, 11, 12*

*Prerequisite: Physical Science 1-2, Biology 1-2*

*Duration: 2 semesters*

*Status: Meets graduation requirement*

### **FORENSIC SCIENCE 1-2 (Honors Option)**

**061331/061332**

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*

*Grade Level: 10, 11, 12*

*Prerequisite: Physical Science 1-2, Biology 1-2*

*Duration: 2 semesters*

*Status: Meets graduation requirement*

### **ANATOMY AND PHYSIOLOGY 1-2 (Honors Option)**

**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*

*Grade Level: 10, 11, 12*

*Prerequisite: Physical Science 1-2, Biology 1-2*

*Duration: 2 semesters*

*Status: Meets graduation requirement*

### **HONORS 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*

*Grade Level: 10, 11, 12*

*Prerequisites: Physical Science 1-2 and Biology 1-2.*

*Duration: 2 semesters*

*Status: Meets graduation requirement*



**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*

*Status: Meets graduation requirement*

*Prerequisite: Physical Science 1-2, Biology 1-2*

**PHYSICS 1-2****060601/060602**

Physics 1-2 engages students in an inquiry-based, problem-solving approach to investigate the physical laws that are fundamental to all science. Topics of study include: motion and technological design; the effects of forces on motion; the origin of the universe; conservation of energy; and the interaction of energy and matter.

*Credit: 1 per semester*

*Duration: 2 semesters*

*Grade Level: 10, 11, 12*

*Status: Meets graduation requirement*

*Prerequisite: Physical Science 1-2, Biology 1-2, Successful completion of Algebra 1-2 AND Geometry 1-2 with a "C" or better*

**HONORS PHYSICS 1-2****060631/060632**

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

*Status: meets graduation requirement*

*Prerequisite: Physical Science and Biology with grades of B or better, Honors Physical Science and H Biology with grades of C or better, Geometry or Algebra 3-4 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*

*Status: Meets graduation requirement*

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

**HONORS 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*

*Status: Meets graduation requirement*

*Prerequisite: Biology 1-2 with a grade of "B" or better, Honors Biology 1-2 with a grade of "C" or better, Algebra 1-2 with a "B" or better, and teacher recommendation. Concurrent enrollment in Honors Geometry 1-2 or a higher-level math course is strongly recommended. Special permission to take the course can be made with approval of the science department chairman and teacher recommendation.*

**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*

*Status: Meets graduation requirement*

*Prerequisite: Honors Physics 1-2, Geometry 1-2, and concurrent enrollment in Algebra 3-4 or higher math class (a good background in algebra and geometry is essential), and teacher permission with no grade less than a "C".*

**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*

*Status: Meets graduation requirement*

*Prerequisite: Honors Physics 1-2, AP Physics 1 with no grade less than "C". Completion of or concurrent enrollment in Precalc/Trig is strongly recommended, and teacher permission.*

**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**Status: Meets graduation requirement**Prerequisite: Honors Physics 1-2; Completion of or concurrent enrollment in AP Calculus AB or BC and teacher permission.***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**Status: Meets graduation requirement**Prerequisite: Physical Science 1-2, Biology 1-2, with no grade less than a "C" and teacher recommendation***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**Status: Meets graduation requirement**Prerequisite: Physical Science 1-2, Biology 1-2, Honors Chemistry 1-2 and Trigonometry/Pre-Calculus 1-2 with no grade less than "B" and teacher recommendation.***HONORS 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: 9, 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.*

**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**Status: Meets graduation requirement*

**HONORS 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**Status: 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**Status: Meets graduation requirement***HONORS HUMAN GEOGRAPHY****031021**

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

*Credit: 1 per semester**Duration: 1 semester**Grade Level: 10**Status: 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****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**Status: 1<sup>st</sup> Semester Meets graduation requirement*

*Prerequisite: Teacher recommendation and parent/guardian permission required*

**INTRODUCTION TO 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**Status: Meets graduation requirement***HONORS INTRODUCTION TO 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**Status: Meets graduation requirement*

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

**MODERN WORLD HISTORY 1-2****031381/031382**

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**Status: Meets graduation requirement***AP WORLD HISTORY 1-2****030421/030422**

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, 12**Status: Meets graduation requirement**Prerequisite: Permission of department***AMERICAN GOVERNMENT****030251**

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**Status: Meets graduation requirement***AP UNITED STATES AND AP COMPARATIVE GOVERNMENT AND POLITICS****030261/030262**

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**Status: Meets graduation requirement**Prerequisite: Permission of department***AP UNITED STATES HISTORY 1-2****030341/030342**

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: Meets graduation requirement**Prerequisite: Permission of department***HONORS INTRODUCTION TO WORLD RELIGIONS****030161/030162**

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

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

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

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

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

*Credit: 1 per semester**Duration: 1 semester**Grade Level: 10, 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***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: 1 semester**Grade Level: 10, 11, 12**Status: Elective credit***NATIVE AMERICAN CULTURE AND IDENTITY****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: 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***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*



**AP MACROECONOMICS****030662****AP MICROECONOMICS****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: 2 semesters**Grade Level: 11, 12**Status: Elective credit***HONORS 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: 1 semester**Grade Level: 10**Status: Elective Credit*

**\*\*\*Non-IB Diploma Programme Students grade 10 may sign up for this course**

**IB SOCIAL CULTURAL ANTHROPOLOGY HL 1-2****031561/031562**

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: : IB Diploma Programme Students Grade 11**Status: Elective credit*

**\*\*\*Non-IB Diploma Programme Students may sign up for this 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: IB Diploma Programme Students Grade 11**Status: Elective credit*

**\*\*\*Non-IB Diploma Programme Students Grade 11, 12 may sign up for this 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**Status: 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.

*Credit: 1 per semester**Duration: 1 semester**Grade Level: 12**Status: 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 EDUCATION DEPARTMENT

*The goal of Special Education 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 Education 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.

### **Behavior Skills Program**

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

### **Hearing Impaired Program**

This program serves students who are deaf or hard of hearing. Signing Exact English (SEE II) is the communication system used for instruction as well as with visual support for other students. Students participate in the general education curriculum with the support of sign language interpreters. Students also receive enhanced vocabulary and language development instruction. **Work Experience**

### **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: 9, 10, 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 age 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*

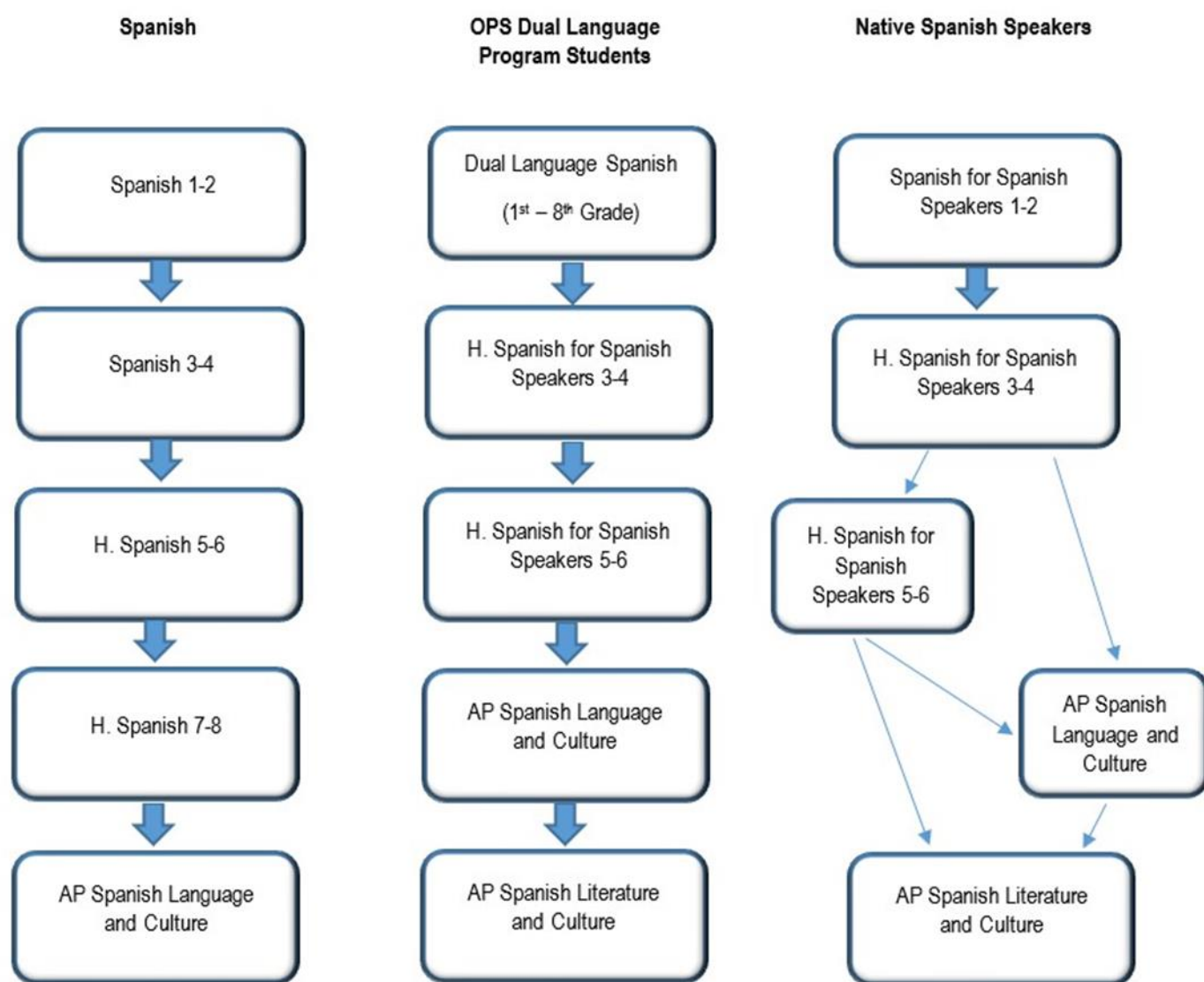
*Duration: 2 semesters*

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

*Status: Elective Credit*

*Prerequisite: Teacher recommendation.*

## Spanish Flowchart



Placement for junior and senior year courses will be dependent upon teacher evaluation and recommendation.

## 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.*

<b>CHINESE 1-2</b>	<b>161901/161902</b>
<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>CHINESE 3-4</b>	<b>161891/161892</b>
<b>FRENCH 3-4</b>	<b>160311/160312</b>
<b>GERMAN 3-4</b>	<b>160411/160421</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: Chinese 1-2, 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>HONORS CHINESE 5-6</b>	<b>161881/161882</b>
<b>HONORS FRENCH 5-6</b>	<b>160351/160352</b>
<b>HONORS GERMAN 5-6</b>	<b>160451/160452</b>
<b>HONORS 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>HONORS CHINESE 7-8</b>	<b>161871/161872</b>
<b>HONORS FRENCH 7-8</b>	<b>160361/160362</b>
<b>HONORS GERMAN 7-8</b>	<b>160461/160462</b>
<b>HONORS 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 Honors French 5-6, Honors German 5-6 or Honors Spanish 5-6 or permission of the instructor*

**AP FRENCH LANGUAGE 1-2****160381/160382****AP GERMAN LANGUAGE 1-2****160481/160482****AP SPANISH LANGUAGE 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 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***HONORS SPANISH FOR SPANISH SPEAKERS 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***HONORS SPANISH FOR SPANISH SPEAKERS 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****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*





# Nebraska Seal of Biliteracy



## Purpose

The Nebraska Seal of Biliteracy acknowledges a high school student achieving a high level of proficiency in English and at least one additional language.



## 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 ([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 Biliteracy Assessment Requirements for more information. ([bit.ly/NESealrequirements](http://bit.ly/NESealrequirements))

If you have any questions,

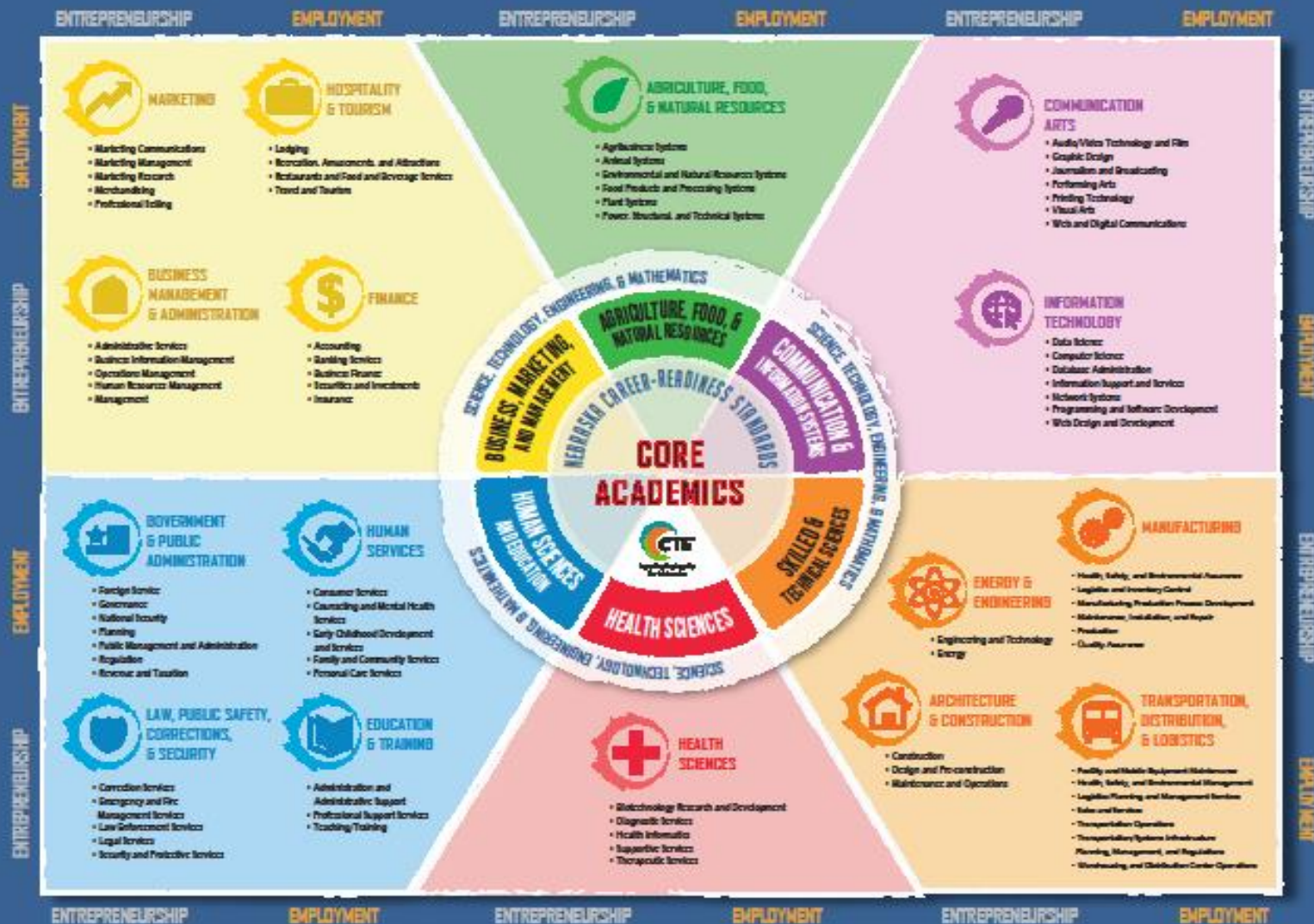
please contact your World Languages Teacher for more information.







# NEBRASKA CAREER & TECHNICAL EDUCATION MODEL



[www.CESStandards.education.ne.gov](http://www.CESStandards.education.ne.gov)

ADAPTED FROM [www.cte.org](http://www.cte.org) CAREER CLUSTERS: PATHWAYS TO COLLEGE AND CAREER READINESS, DEVELOPED BY THE NEBRASKA DEPARTMENT OF EDUCATION

As faculty of the Nebraska Department of Education, we are committed to the highest quality of education for all students. We are committed to the highest quality of education for all students. We are committed to the highest quality of education for all students.

This document is intended to provide information to the public. It is not intended to be a contract. It is not intended to be a contract. It is not intended to be a contract.



## GRADE 9 REGISTER

- » Start planning now! Register for a free Profile Page account at [eligibilitycenter.org](https://eligibilitycenter.org) for information on NCAA initial-eligibility requirements.
- » Find your high school's list of NCAA-approved core courses at [eligibilitycenter.org/courselist](https://eligibilitycenter.org/courselist) to ensure you are taking the right courses, and earn the best grades possible!

## GRADE 10 PLAN

- » If you are being actively recruited by an NCAA school and have a Profile Page account, **transition** it to the right **Certification account**.
- » Monitor the **task list** in your NCAA Eligibility Center account for next steps.
- » At the end of the school year, ask your high school counselor from each school you have attended to upload an official transcript to your Eligibility Center account.
- » If you fall behind academically, ask your high school counselor for help finding **approved courses** you can take.

## GRADE 11 STUDY

- » Ensure your **sports participation** information is correct in your Eligibility Center account.
- » Check with your high school counselor to make sure you are on track to complete the required number of NCAA-approved **core courses** and graduate on time with your class.
- » Take the **SAT/ACT** and submit your scores to the Eligibility Center using code **9999**.\*
- » At the end of the school year, ask your high school counselor from each school you have attended to upload an official transcript to your Eligibility Center account.

## GRADE 12 GRADUATE

- » **Request your final amateurism certification** beginning April 1 (fall enrollees) or Oct. 1 (winter/spring enrollees) in your Eligibility Center account at [eligibilitycenter.org](https://eligibilitycenter.org).
- » Take the **SAT/ACT** again, if necessary, and submit your scores to the Eligibility Center using code **9999**.\*
- » Complete your final NCAA-approved **core courses** as you prepare for graduation.
- » After you graduate, ask your high school counselor to upload your final **official transcript** with proof of graduation to your Eligibility Center account.

\*More information regarding the impact of COVID-19 and test scores can be found at [on.ncaa.com/COVID19\\_Spring2023](https://on.ncaa.com/COVID19_Spring2023).

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

$$4 \times 4 = 16$$

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

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

4 CORE COURSES

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

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

4 CORE COURSES

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

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

4 CORE COURSES

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

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

4 CORE COURSES

### CONTACT THE NCAA ELIGIBILITY CENTER

U.S. and Canada (except Quebec):  
877-262-1492 - Monday-Friday,  
9 a.m. to 5 p.m. Eastern time

### SEARCH FAQ:

[ncaa.org/studentfaq](https://ncaa.org/studentfaq)

[@ncaaec](https://twitter.com/ncaaec) [@playcollegesports](https://www.instagram.com/playcollegesports) [@ncaaec](https://www.facebook.com/ncaaec)



ELIGIBILITY CENTER

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# ACADEMIC STANDARDS

If you want to play NCAA sports at a Division I or II school, you need to register with the NCAA Eligibility Center at [eligibilitycenter.org](http://eligibilitycenter.org). If you plan to compete at a Division III school or currently are not sure in which division you want to compete, create a [free Profile Page account](#).

## ACADEMIC REQUIREMENTS

To play sports at a Division I or II school, you must complete a total of 16 **NCAA-approved core courses**, earn a corresponding test score that matches your core-course GPA and submit proof of graduation to the Eligibility Center.

## GRADE-POINT AVERAGE

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

- » Division I requires a minimum 2.3 GPA.
- » Division II requires a minimum 2.2 GPA.

## SLIDING SCALES

Divisions I and II use sliding scales to match test scores and GPAs to determine eligibility. The sliding scale balances your test score with your GPA. Find more information about test scores at [ncaa.org/test-scores](http://ncaa.org/test-scores).

## TEST SCORES

Every time you register for the SAT or ACT, use code 9999 to send your scores directly to the NCAA Eligibility Center from the testing agency. You may take the SAT or ACT an unlimited number of times before you enroll full time in university. If you take either test more than once, the best subscores from each test are used for the academic certification process.

\*More information regarding the impact of COVID-19 and test scores can be found at [en.ncaa.com/COVID19\\_Fall2022](http://en.ncaa.com/COVID19_Fall2022).

## CORE COURSES

Find your high school's list of NCAA-approved core courses at [eligibilitycenter.org/courselist](http://eligibilitycenter.org/courselist). Complete a total of 16 core courses in the appropriate areas:

### DIVISION I

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

### DIVISION II

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

To study and compete at a Division I school, you must complete 10 of your 16 core courses, including seven in English, math or natural/physical science, before the start of your seventh semester.

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

$$4 \times 4 = 16$$

9 <sup>TH</sup> GRADE	10 <sup>TH</sup> GRADE	11 <sup>TH</sup> GRADE	12 <sup>TH</sup> GRADE
(1) English (1) Math (1) Science (1) Social Science and/or additional	(1) English (1) Math (1) Science (1) Social Science and/or additional	(1) English (1) Math (1) Science (1) Social Science and/or additional	(1) English (1) Math (1) Science (1) Social Science and/or additional
4 CORE COURSES	4 CORE COURSES	4 CORE COURSES	4 CORE COURSES

## TEST SCORES

Every time you register for the **SAT** or **ACT**, use code **9999** to send your scores directly to the Eligibility Center from the testing agency. You may take the SAT or ACT an unlimited number of times before you enroll full time in college. If you take either test more than once, the best subscore from each test is used to give you the best possible score.

*\* More information regarding the impact of COVID-19 and test scores can be found at [on.ncaa.com/COVID19\\_Spring2023](https://on.ncaa.com/COVID19_Spring2023).*

DIVISION II QUALIFIER SLIDING SCALE		
Core GPA	SAT*	ACT Sum*
3.300 & above	400	37
3.275	410	38
3.250	430	39
3.225	440	40
3.200	460	41
3.175	470	41
3.150	490	42
3.125	500	42
3.100	520	43
3.075	530	44
3.050	550	44
3.025	560	45
3.000	580	46
2.975	590	46
2.950	600	47
2.925	620	47
2.900	630	48
2.875	650	49
2.850	660	49
2.825	680	50
2.800	690	50
2.775	710	51
2.750	720	52
2.725	730	52
2.700	740	53
2.675	750	53
2.650	750	54
2.625	760	55
2.600	770	56
2.575	780	56
2.550	790	57
2.525	800	58
2.500	810	59
2.475	820	60
2.450	830	61
2.425	840	61
2.400	850	62
2.375	860	63
2.350	860	64
2.325	870	65
2.300	880	66
2.275	890	67
2.250	900	68
2.225	910	69
2.200	920	70 & above

## CORE-COURSE LIST

Find your high school's list of NCAA-approved core courses at [eligibilitycenter.org/courselist](https://eligibilitycenter.org/courselist). No core-course list means courses taken from that high school will not count for NCAA eligibility. If your high school does not have a list, you risk being ineligible to play in college.

## NONTRADITIONAL AND ONLINE COURSES

Nontraditional courses are taught online or through distance learning, hybrid/blended, independent study, individualized instruction, correspondence or similar means.

These types of courses may be acceptable for use in the NCAA initial-eligibility certification process; however, it is important to make sure the nontraditional program has been approved and appears on **your school/program's list** of NCAA-approved core courses.

DIVISION I QUALIFIER SLIDING SCALE		
Core GPA	SAT*	ACT Sum*
3.550	400	37
3.525	410	38
3.500	430	39
3.475	440	40
3.450	460	41
3.425	470	41
3.400	490	42
3.375	500	42
3.350	520	43
3.325	530	44
3.300	550	44
3.275	560	45
3.250	580	46
3.225	590	46
3.200	600	47
3.175	620	47
3.150	630	48
3.125	650	49
3.100	660	49
3.075	680	50
3.050	690	50
3.025	710	51
3.000	720	52
2.975	730	52
2.950	740	53
2.925	750	53
2.900	750	54
2.875	760	55
2.850	770	56
2.825	780	56
2.800	790	57
2.775	800	58

Core GPA	SAT*	ACT Sum*
2.750	810	59
2.725	820	60
2.700	830	61
2.675	840	61
2.650	850	62
2.625	860	63
2.600	860	64
2.575	870	65
2.550	880	66
2.525	890	67
2.500	900	68
2.475	910	69
2.450	920	70
2.425	930	70
2.400	940	71
2.375	950	72
2.350	960	73
2.325	970	74
2.300	980	75
2.299	990	76
2.275	990	76
2.250	1000	77
2.225	1010	78
2.200	1020	79
2.175	1030	80
2.150	1040	81
2.125	1050	82
2.100	1060	83
2.075	1070	84
2.050	1080	85
2.025	1090	86
2.000	1100	86





# 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
Football	Bell Choir	Girl UP	Senior Class Officers
Golf	Birdwatching Club	Girls Lacrosse	Spanish NHS
Soccer	Book Club	GSA	Speech & Debate
Step Team	Chess Club	HOSA	Student Council
Swimming	CHS Vegetarians	International Ambassadors	Student Progressives
Tennis	CRU Club	JROTC	Taylor Swift Club
Track & Field	DECA	K-pop Club	Teenage Republics
Unified Bowling	DnD Club	Latino Leaders	Tri-M Music Honor Society
Unified Track & Field	Drama Club	Magic the Gathering	Ukulele Club
Volleyball	Educators Rising	Math Club	VEX Robotics
Wrestling	Engineering Club	Musical	Voices for Equity
	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.**