Ralston High School

Graduation Requirements and Registration Information

2026-2027

In addition to successful completion of the courses below, students are required to complete 10 hours of Service for Others for each year of attendance at RHS prior to being awarded a Ralston High School graduation diploma.

A student that completes 100 total hours of Service for Others will graduate with Excellence. A student that completes 200 total hours of Service for Others will be on the RHS Character Board in addition to graduating with Excellence.

Program	Course Specifics for RPS Graduation Requirements for Class of 2026	Credits	Course Specifics for RPS Graduation Requirements for Class of 2027 & 2028		Course Specifics for RPS Graduation Requirements for Class of 2029 & beyond	Credit	College Preparation beyond RPS Graduation Requirement
English (EN)	English 1 English 2	40	English 1 English 2	40	English 1 English 2 American Literature or AP Language	40	Require 40 total credits
Social Studies (SS)	World Civilization US History or AP U.S. History American Government	30	World Civilization US History or AP U.S. History American Government	30	World Civilization US History or AP U.S. History American Government	30	Recommend 40 total credits
Mathematics (MA)	Minimum of 10 at or above Algebra 1	30	Minimum of 10 at or above Algebra 1	30	Minimum of 10 at or above Algebra 1	30	Require 40 total credits
Science (SCI)	Biology or Honors Biology Physical Science or Honors Chemistry	30	Biology or Honors Biology Physical Science or Honors Chemistry	30	Biology or Honors Biology Physical Science or Honors Chemistry	30	Recommend 40 total credits
Physical Education (PE)	Health and Wellness and Swim Foundations	20	Health and Wellness and Swim Foundations	20	Health and Wellness and Swim	20	20 total credits
Fine Arts (FA)		10		10		10	10 total credits
Career Education (CE)	College & Career Readiness or Capstone Participation Personal Finance	25	College & Career Readiness or Capstone Participation Personal Finance Introduction to Computer Science	25	College & Career Readiness or Capstone Participation Personal Finance Introduction to Computer Science	25	25
Elective (EL)		55		55		55	Recommend at least 2 years (20 credits) in the same World Language AND internship or capstone class OR college coursework through MCC
				240 Minimum Credits			**300 + credits awarded Honors at Graduation**

Students are required to enroll for 80 hours of credit per year, the equivalent of 4 classes per day. Students must pass 60 of 80 credits each year in order to be on track for graduation.

* = *Denotes college prep track class*

Grade 9		Credits
English 9 or Pre-AP English 9		10
Math (teacher recommendation)		10
World Civilization		10
Biology or Pre-AP Biology		10
Health & Wellness	Fitness & Swim Foundations	10
*World Language		10
Swim	Health	10
Elective or Freshman Seminar	Elective	10
Total Credits 9th _____ (80)		

Grade 10		Credits
English 10 or Pre-AP English 10		10
Math		10
U.S. History or *AP US History		10
Physical Science or *Honors Chemistry		10
*World Languages		10
CTE Courses		10
CTE Courses		
PE	Fine Arts	10
Elective	Elective	10
Total Credits 10th _____ (80)		

Students are required to enroll for 80 hours of credit per year, the equivalent of 4 classes per day. Students must pass 60 of 80 credits each year in order to be on track for graduation.

** = Denotes college prep track class*

Grade 11		Credits
English		10
Math		10
American Government and Social Studies Elective		10
Science	Science	10
Personal Finance or * Honors Personal Finance Intro to Computer Science		10
PE	Fine Arts	10
Elective	Elective	10
Elective	Elective	10
Total Credits 11th _____ (80)		

Grade 12		Credits
*English	*English	10
*Math		10
*Social Studies &/or Science		10/20
*Capstone or College & Career Readiness		10/20
*Internship	*MCC College Coursework	10
Elective	Elective	10
Elective	Elective	10
Total Credits 12th _____ (80)		

Total: _____(240 minimum)

9th and 10th Grade Teaming

Students in 9th and 10th grade are placed on academic teams. The purpose of teaming our underclassmen is to ensure consistency of expectations and academic rigor to help ensure students have a smooth transition to high school and remain on track for graduation.

Individual Learning Plan (ILP): Students will create a 4-year graduation plan prior to entering RHS and review that plan as part of their registration process each year during a meeting with their advisor and/or counselor. That meeting is referred to as an ILP meeting.

Course Change Policy: Because of the time spent working on Individual Learning Plans, schedules can not be changed after school begins. All requests need to be directed to the counseling department prior to August 1. After August 1, consideration will be given only to students who are academically misplaced. In rare circumstances during the semester, parents may wish to drop their son/daughter from a class. This requires administration approval. If an administrator does not deem the student misplaced, the student will be dropped with a "WF" for the course grade.

Credit: Points earned toward graduation requirements for successfully meeting course objectives. Credit is awarded at the conclusion of each semester as a result of earning a grade of D or higher.

Grade Point Average (GPA): Most courses are graded on an A-F basis. Some courses are graded on a satisfactory/unsatisfactory (pass/fail) basis. A grade of "F" or unsatisfactory/fail in a course means there have been no credits earned for that course. The Ralston High School Mark Point Table is shown below and an example of how a student's Grade Point Average (GPA) can be determined for a single semester.

Class Rank: Class Rank will be determined by the weighted Grade Point Average (GPA) of students and will be utilized by RHS for the purpose of graduation recognition and honors. Grade point averages are placed in a high-to-low numerical order, resulting in a ranking of all students for that grade. Marked Point Average Rank is a high-to-low listing of students' weighted GPA multiplied by the total mark points attempted. Weighted GPA is computed by dividing a student's total mark points by the number of credits attempted.

Honors/Pre-AP: Classes labeled as Honors or Pre-AP are designed for students planning to attend four-year colleges. These classes are offered in every content area. These courses are demanding, so students should expect to spend time during summer and/or winter break preparing for the course. The classes will prepare students to take AP college level courses.

Advanced Placement (AP): The Advanced Placement Program provides college level coursework in various subject areas to motivate and challenge high school students. Through these courses and their corresponding AP exams, students can earn college credit or placement while still in high school. Students may take any AP test available, regardless of courses completed/course title. AP courses are weighted for the purpose of calculating Grade Point Average. If a student is enrolled in an AP course, the class is tied to the completion of the AP exam.

Dual Credit: Several courses in this guide may earn students simultaneous credit in high school and at a postsecondary institution, depending on staff qualifications. In order to earn the credit with the requirements specified by the university, the student needs to work with his/her counselor, have a 3.0 GPA, and pay the enrollment fee for the college credit. Dual credit courses offered at RHS are weighted for the purpose of calculating grade point average (GPAs). Other courses offered at accredited colleges and universities that are not offered at RHS may receive dual credit (if the instructor is a certified teacher through the Nebraska Department of Education). Credit for these courses must be pre-approved by the high school administration.

Marked Point Average (MPA) Rank (official RHS GPA system): MPA is a weighted GPA, computed by dividing a student's total weighted mark points by the number of credits attempted.

Mark Point Table		
Grade Earned	**Unweighted Class**	**Weighted AP/AR Class**
A	4 Mark Points	5 Mark Points
B	3 Mark Points	4 Mark Points
C	2 Mark Points	3 Mark Points
D	1 Mark Point	2 Mark Points
F	0 Mark Points	0 Mark Points
For further information, please refer to the RHS Student Handbook or see your counselor.		

Example: Determining a student's grade point average.

Course	Grade	Credits	Mark Point Value	Mark Points
Spanish 3	B	5	times 3	equals 15
US History	C+	5	times 2	equals 10
Geometry	C+	5	times 2	equals 10
Biology	B	5	times 3	equals 15
English 2 AR	A-	5	times 5	equals 25
Total Credits	Earned	25	Total Mark Points	75
	Attempted	25		
75 Mark Points divided by 25 Credits Attempted = 3.00 GPA				

ENGLISH

COURSE LISTING

Course	Course Name	Graduation Requirement	Grades	Prerequisites	Credits	Possible Dual Credit/AP
EN10	English 1	English 1	9-12		10	
EL30	English 1 Support		9 Only	Teacher Recommendation	10	
EN11	Sheltered English 1		9-12	Teacher Recommendation	10	
EN12	Pre AP English 1		9	Teacher Recommendation	10	
EN20	English 2		10-12	EN10 or EN12 (English 1 or Pre-AP English 1)	10	
EL31	English 2 Support		10 Only	Teacher Recommendation	10	
EN22	Sheltered English 2		10-12	Teacher Recommendation	10	
EN21	Pre-AP English 2	English 2	10-12	Teacher Recommendation or C or better EN12	10	
EN30	American Literature		11-12	EN20, EN21, or EN22	10	
EN55	AP Language & Composition	English 3	11-12	EN21 or Teacher Recommendation	10	AP Language & MCC Composition 1 #ENGL 1010
EN45	Mystery, Murder and Detectives in Literature		11-12	EN20, EN21, or EN22	5	
EN54	Literature in Film		11-12		5	
EN52	Creative Writing		11-12	EN20, EN21, or EN22	5	
EN41	World Literature		12	EN30 or EN55	5	
EN43	AP Literature & Composition		12	EN 30 or EN55	10	UNO #ENGL 1010 & 1020 AP English Literature Composition MCC #ENGL 2450
EN53	Honors Composition II		12	EN32	5	Composition MCC #ENGL 1020

COURSE DESCRIPTIONS

Course Title: English 1
Course Number: EN10
Duration: 2 Semesters/10 Credits
Grade: 9-12 Prerequisites: None Note: This is a graduation requirement

A comprehensive language arts course that encompasses reading prose and poetry, reading informational texts, building vocabulary, writing in multiple modes, speaking, listening, and studying priority grammar skills. This required, foundational course focuses on building independent reading and writing habits so that students are equipped for future coursework.

Course Title: English 1 Support
Course Number: EL30 Duration: 2 Semesters/10 Elective Credits
Grade: 9th Only Prerequisites: Teacher recommendation

This course parallels the English 1 class and is an opportunity to expand their knowledge and practice skills that they might find challenging. Each day, students will read and write independently and participate in activities that will support their learning needs. Teachers communicate closely with students, families, and other English 1 teachers to ensure that they are always meeting student needs.

Course Title: Sheltered English 1
Course Number: EN11
Duration: 2 Semesters (double block)/10 Credits
Grade: 9-12 Prerequisites: Teacher recommendation and ELL placement

A comprehensive language arts course that encompasses reading prose and poetry, reading informational texts, building vocabulary, writing in multiple modes, speaking, listening, and studying priority grammar skills. This course is aligned with ELA standards for 9th grade English with the addition of ELL supports and strategies.

Course Title: Pre-AP English 1
Course Number: EN12
Duration: 2 Semesters/10 Credits
Grade: 9th Only Prerequisites: Teacher recommendation
Note: This is a graduation requirement (Replaces EN10)

An advanced English course designed for freshmen, focusing on critical analysis of literature, in-depth reading comprehension, and advanced writing techniques. While possessing similar content to English 1 the course will include more advanced literature including several contemporary and classical novels. Through analytical essays, discussions, and presentations, students will refine their abilities in critical thinking, academic writing, and effective communication, preparing them for more rigorous future coursework.

Course Title: English 2
Course Number: EN20
Duration: 2 Semesters/10 Credits Grade: 10-12
Prerequisites: EN10 or EN12 Note: This is graduation requirement

A comprehensive language arts course that encompasses reading prose and poetry, reading informational texts, building vocabulary, writing in multiple modes, speaking, listening, and studying priority grammar skills. This required course builds on essential skills learned in English 1.

Course Title: English 2 Support
Course Number: EL31
Duration: 2 Semesters/10 Elective Credits
Grade: 10th Only Prerequisites: EN10 and teacher recommendation

This course parallels the English 2 class and is an opportunity to expand their knowledge and practice skills that they might find challenging. Each day, students will read and write independently and participate in activities that will support their learning needs. Teachers communicate closely with students, families, and other English 1 teachers to ensure that they are always meeting student needs.

Course Title: Sheltered English 2
Course Number: EN22
Duration: 2 Semesters (double block)/10 Credits
Grade: 10-12 Prerequisites: EN11 and teacher recommendation based on ELL placement

A comprehensive language arts course that encompasses reading prose and poetry, reading informational texts, building vocabulary, writing in multiple modes, speaking, listening, and studying priority grammar skills. This course is aligned with ELA standards for 10th grade English with the addition of ELL supports and strategies.

Course Title: Pre-AP English 2
Course Number: EN21 Duration: 2 Semesters/10 Credits
Grade: 10th Only Prerequisites: EN12 or teacher recommendation
Note: This is graduation requirement (replaces EN20)

A comprehensive language arts course designed for students with advanced English skills and high degrees of motivation who wish to be challenged by studying intensely and at an accelerated rate. The course encompasses reading prose and poetry, reading informational texts, building vocabulary, writing in multiple modes, speaking, listening, and studying ACT grammar skills. This course builds on essential skills learned in English 1 and prepares students for AP Language and AP Literature courses.

Course Title: American Literature
Course Number: EN30 Duration: 2 Semesters/10
Credits Grade: 11-12 Prerequisite: EN20

A comprehensive language arts course that explores text selections from major periods in American literary history. Persuasive writing, literary analysis, and ACT preparation are the focus of writing instruction.

Course Title: AP Language and Composition
Course Number: EN55
Duration: 2 Semesters/10 Credits
Grade: 11-12 Prerequisites: EN21 or teacher recommendation
Note: This course is available for dual credit through Metro Community College and AP.

An introductory college-level composition course that can be taken for dual enrollment credit through MCC. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situations, claims and evidence, reasoning and organization, and style. The reading selections, films, concepts, and supplemental materials are rich and challenging, and the pace of the class is intense and demanding. In addition, the course has a heavy emphasis on nonfiction texts and writing across modes. Completion of this course will prepare all students to take the Advanced Placement® exam.

Course Title: Mystery, Murders, & Detectives in Literature
Course Number: EN45
Duration: 1 semester/5 credits
Grade: 11-12 Prerequisites: EN20 or EN22

A course that explores society's fascination with murder mysteries and the detectives who solve them. The course will study the history and nature of the mystery story from its origins to the present day. Students will examine both the relationship of mystery fiction to the culture of its time and also the changing role of the detective hero. Students will also examine the many different varieties of the genre, including classic whodunits, hard-boiled crime fiction, historical mysteries, courtroom dramas, true crime narratives, espionage fiction, and more.

Course Title: Literature in Film
Course Number: EN54
Duration: 1 semester/5 credits
Grade: 10-12 Prerequisites: EN10 and EN20

This is a course designed to give students an awareness and appreciation of major concepts, themes, and techniques utilized in the movies. Students will watch, discuss and analyze major films throughout history that have been influential to the culture and the movie-making industry.

Course Title: Creative Writing
Course Number: EN52 Duration: 1 semester/5 credits
Grade: 11-12
Prerequisites: EN20

A course exploring four areas of creative writing: poetry, fiction, creative nonfiction, and an area of a student's own choosing. Students should expect a rigorous writing and reading atmosphere. Students will be expected to collaborate with others and to share their work with the class.

Course Title: World Literature
Course Number: EN41
Duration: 1 semester/5 credits
Grade: 12 Prerequisite: EN30 or EN55

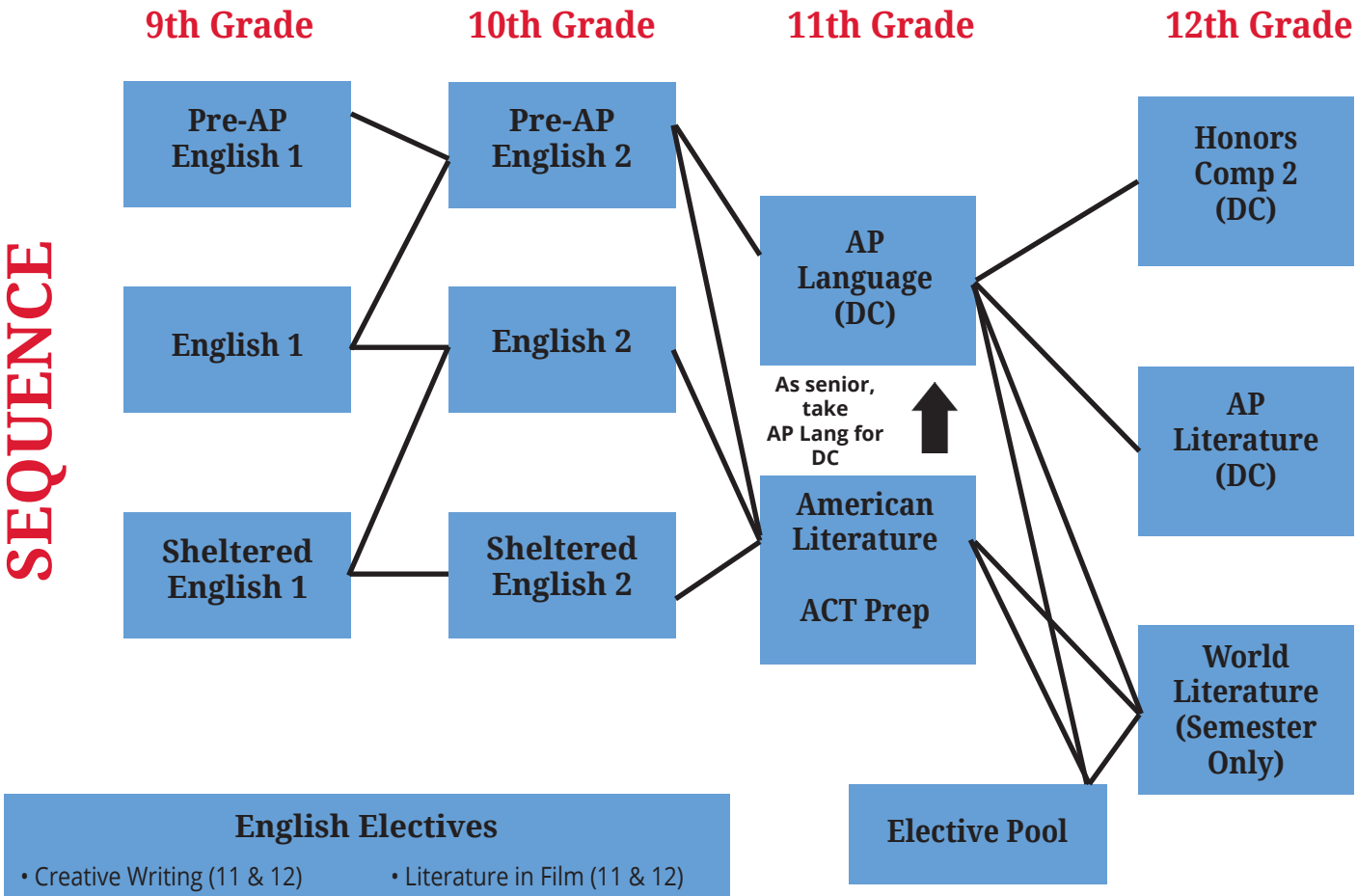
This course is designed for seniors with average to above-average work in prerequisite courses. World Literature is a comprehensive literature class that focuses on the works of writers from other countries, with an emphasis on the academic skills required for college readiness.

Course Title: AP Literature and Composition
Course Number: EN43 Duration: 2 Semesters/10 Credits
Grade: 12 Prerequisites: EN30 or EN55
Note: This course is available for dual credit through Metro Community College, UNO and AP

An introductory college-level literature course designed to prepare students for the reading and writing they will do in future academic settings. The reading selections, films, concepts, and supplemental materials are rich and challenging, and the pace of the class is intense and demanding. Students will have the option to sign up for dual enrollment after they are enrolled in the course. Completion of this course will prepare all students to take the Advanced Placement® exam.

Course Title: Honors Composition II
Course Number: EN53
Duration: 2 Semesters/10 Credits
Grade: 12 Prerequisites: EN55
Note: This course is available for dual credit through Metro Community College.

This is a college-level composition course that can be taken for dual enrollment credit through MCC. Students build on skills learned in EN55 by becoming better critical readers, researchers, and writers. Students design, draft, revise, and edit arguments for specific audiences and purposes. Using research, analysis, and integration of primary and secondary sources, students compose 18-25 pages of polished prose, including one paper of 10-12 pages, with an emphasis on thesis-driven argumentative writing. The reading selections, films, concepts, and supplemental materials are rich and challenging, and the pace of the class is intense and demanding.



English Electives

- Creative Writing (11 & 12)
- Debate (9-12)
- Mystery, Murders, and Detectives in Literature (11 & 12)
- World Literature (college bound) (12)
- Literature in Film (11 & 12)
- Speech (9-12)

ORAL COMMUNICATIONS

COURSE LISTING

Course	Course Name	Graduation Requirement	Grades	Prerequisites	Credits
OC04	* Speech Communication		9-12	None	5
OC06	Introduction to Mass Communications		9-12	None	5
OC07	* Debate		9-12	None	5
EL54	Yearbook 1		10-12	OC06	10
EL55	Yearbook Staff AR		11-12	EL54	10

COURSE DESCRIPTIONS

Course Title: Speech Communication
Course Number: OC04
Duration: 1 semester/5 credits
Grade: 9-12 Prerequisites: None ***(*Course counts for a semester of English credit)***

A course where students analyze and practice a variety of speaking and listening skills. This course will help students to communicate more effectively with their peers, to work cooperatively in groups, to see how communication functions within our society, and to become a more effective speaker and listener.

Course Title: Introduction to Mass Communications
Course Number: OC06
Duration: 1 semester/5 credits
Grade: 9-12 Prerequisites: None

A course that explores the production, distribution, and impact of mass media texts. The course will cover journalism laws and ethics, news and media literacy, photojournalism, journalistic writing, and graphic design elements. This is the prerequisite for Yearbook 1.

ORAL COMMUNICATIONS COURSE DESCRIPTIONS CONTINUED

Course Title: Debate
Course Number: OC07
Duration: 1 semester/5 credits
Grade: 9-12 Prerequisites: None *(*Course counts for a semester of English credit)*

A course where students will discuss, research, think and argue about topics sponsored by the National Speech and Debate Association. Students will debate a variety of timely topics regarding current events and moral/philosophical questions.

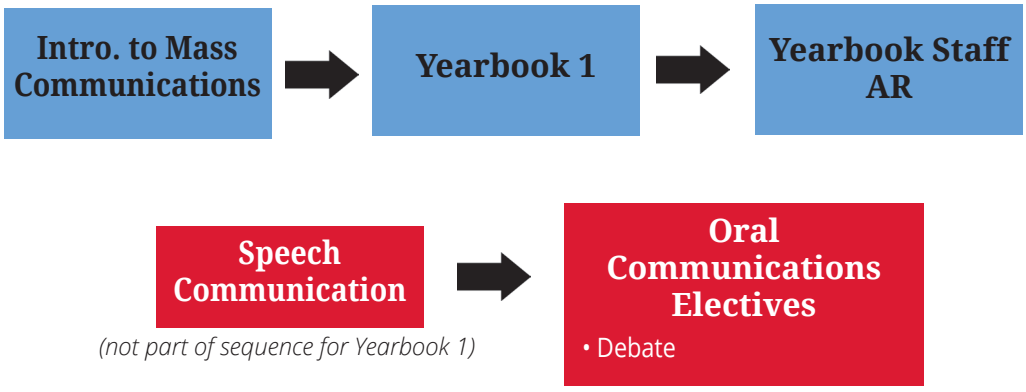
Course Title: Yearbook 1
Course Number: EL54
Duration: 2 semesters/10 credits
Grade: 10-12 Prerequisites: OC06 Mass Communications

For students interested in journalism, photography, and graphic design. Because students will be producing Ralston High School's yearbook, this course requires work outside of regular class time. Mass Communications is a prerequisite for Yearbook I.

Course Title: Yearbook Staff AR
Course Number: EL55
Duration: 2 semesters/10 credits
Grade: 11-12 Prerequisites: EL 54

For students interested in journalism, photography, and graphic design. Because students will be producing Ralston High School's yearbook, this course requires work outside of regular class time. Students will be expected to take on greater responsibilities, including editing, marketing, and selling yearbook ads. This course may be repeated multiple years for elective credit. Students may take yearbook AR when they rejoin after their initial year.

SEQUENCE



WORLD LANGUAGES

COURSE LISTING

Course	Course Name	Graduation Requirement	Grades	Prerequisites	Credits	Possible Dual Credit/AP
EL01 EL11	French 1 Spanish 1		9-12	None	10	
EL02 EL12	French 2 Spanish 2		9-12	EL01/EL11 (C or higher recommended) or placement test results	10	
EL03 EL13	French 3 Spanish 3		9-12	EL02/EL12 (C or higher recommended) or placement test results	10	
EL04 EL14	AP French 4 Honors Spanish 4		9-12	EL03/EL13 (C or higher recommended) or placement test results	10	UNO#FREN2120 AP French
EL15	AP Spanish 5		11-12	EL 14 or EL 16/17	10	UNO#SPAN2120 AP Spanish
EL16	Spanish for Spanish Speakers 1		9-12	Spanish Speaker placement test	10	
EL17	Spanish for Spanish Speakers 2		10-12	(C or higher recommended from SSS1)	10	

COURSE DESCRIPTIONS

Course Title: French 1/Spanish 1
Course Number: EL01/EL11
Duration: 2 semesters/10 credits
Grade: 9-12 Prerequisites: None

The Level 1 course establishes foundational skills to start a pathway to language proficiency and cultural understanding. Students develop communication skills in listening, speaking, reading, and writing, and cultural competence of the language studied. Students begin their language proficiency journey through targeted, high-frequency vocabulary activities including storytelling, discussions, reading and writing exercises, as well as digital and reflective activities.

WORLD LANGUAGES COURSE DESCRIPTIONS CONTINUED

Course Title: French 2/Spanish 2:
Course Number: EL02/EL12
Duration: 2 semesters/10 credits
Grade: 9-12 Prerequisites: EL01/EL11 (C or higher recommended) or placement test results

The Level 2 course extends foundational skills to continue a pathway to language proficiency and cultural understanding. Students build upon and improve communication skills in listening, speaking, reading, and writing, and cultural competence of the language studied. Students progress through their language proficiency journey through targeted, high-frequency vocabulary activities including storytelling, discussions, reading and writing exercises, as well as digital and reflective activities.

Course Title: French 3/Spanish 3
Course Number: EL03/EL13
Duration: 2 semesters/10 credits
Grade: 9-12 Prerequisites: EL02/EL12 (C or higher recommended) or placement test results

The Level 3 course enhances language skills to expand language and cultural understanding. Students utilize their communication skills in listening, speaking, reading, and writing, and cultural competence of the language studied to reach an intermediate proficiency level. Students demonstrate language ability in familiar contexts related to interpreting materials, participating in discussions, and presenting information.

Course Title: Honors Spanish 4
Course Number: EL 14
Duration: 2 semester/10 credits
Grade: 9-12 Prerequisites: EL13 (C or higher recommended) or placement test results

Level 4 of language is designed to prepare students for AP World Language 5 AR or anticipated college curriculum. Curriculum centers around building fluency and communicative competence so that students can express themselves on the intermediate level using global themes (families and communities, personal and public identities, global challenges, science and technology, contemporary life, beauty and the aesthetic).

Course Title: AP French 4/ AP Spanish 5
Course Number: EL04/EL15
Duration: 2 semesters/10 credits
Grade: 11-12 Prerequisites: EL14 or EL 16/EL17
Note: This course is available for dual credit through UNO and AP

The AP level course challenges students to apply their cumulative language skills and cultural knowledge to perform in an intermediate level college course. Students utilize their communication skills in listening, speaking, reading, and writing, and cultural competence of the language studied to maintain an intermediate proficiency level. Students demonstrate language ability through tasks which prepare them to take the AP Language and Culture exam, and to potentially achieve the Nebraska Seal of Biliteracy. Students participate in college level language tasks. Students may choose to enroll in Dual Credit for this course through UNO.

WORLD LANGUAGES COURSE DESCRIPTIONS CONTINUED

Course Title: Spanish for Spanish Speakers 1
Course Number: EL 16
Duration: 2 semesters/10 credits
Grade: 9-12 Prerequisites: Placement test - Spanish Speaker

The Level 1 Spanish Speakers course focuses on basic literacy skills in Spanish for students with Spanish as a first language. They will utilize skills in listening, speaking, reading, and writing to reach a basic level of proficiency.

Course Title: Spanish for Spanish Speakers 2
Course Number: EL17
Duration: 2 semesters/10 credits
Grade: 10-12 Prerequisites: EL16 (C or higher recommended from SSS1)

The Level 2 Spanish Speakers course enhances language skills to expand their language and cultural understanding. Students already familiar with the Spanish language through their home environment utilize their communication skills in listening, speaking, reading, writing, and cultural competence of the language studied to reach or maintain a high intermediate proficiency level. Students demonstrate language ability in familiar and unfamiliar contexts related to interpreting materials, participating in discussions, and presenting information.

WORLD LANGUAGES COURSE DESCRIPTIONS CONTINUED

SEQUENCE

FRENCH

** 9th grade students MUST register for French 1 to take AP French 4 in 12th grade.*

French 1

French 2

French 3

AP French 4

Dual Enroll - (UNO Credit 2120/Seal)

AP Exam (Credit / Seal)

SPANISH

** 9th grade students MUST register for Spanish 2 to take AP Spanish 5 in 12th grade (unless you are in Spanish for Spanish Speakers)*

Spanish 1 (RMS / RHS)

Spanish 2

Spanish 3

Spanish 4

AP Spanish 5

Spanish for Spanish Speakers 1

Spanish for Spanish Speakers 2

Dual Enroll - (UNO Credit 2120/Seal)

AP Exam (Credit / Seal)

** All students who speak Spanish at home / outside of school and are registering for RHS Spanish for the first time will take a placement test to dermine class placement.*

COURSE LISTING

SOCIAL STUDIES

Course	Course Name	Graduation Requirement	Grades	Prerequisites	Credits	Possible Dual Credit/AP
SS25	World Civilization	World Civilization	9		10	
SS29	Sheltered World Civilization		9-12	Teacher Recommendation	10	
SS10	U.S. History	U.S. History	10		10	
SS11	Sheltered U.S. History		10-12	Teacher Recommendation	10	
SS12	AP U.S. History		10-12	Teacher Recommendation	10	MCC: 1010 &1020 UNO: HIST1110 & HIST1120 AP U.S. History
SS15	American Government	American Government	11-12		5	
SS19	Sheltered American Government		10-12	Teacher Recommendation	5	
SS17	Intro to Criminal Justice		10-12		5	
SS18	Diversity in America		11-12	SS10 or SS12; SS15	5	
SS26	Modern Concepts		10-12		10	
SS28	AP Psychology	Capstone	10-12		10	AP Psychology
SS05	Nebraska Studies		10-12	SS25, SS10	5	
SS14	Honors World History		11-12	SS25	10	MCC: 1110 & 1120 UNO: HIST1000 &1010

COURSE DESCRIPTIONS

Course Title: World Civilization
Course Number: SS25
Duration: 2 semesters/10 credits
Grade: 9 Prerequisites: None
Note: This is a Graduation Requirement

Provides students with a basic foundation of world geography and history as well as the development of critical and historical thinking skills. Throughout this course, students will integrate geographical concepts and historical events. The course focuses on the analysis and application of primary sources, maps, and world statistics. Students participate in research through inquiry, group discussions, critical thinking exercises, and project based learning.

Course Title: Sheltered World Civilization
Course Number: SS29
Duration: 2 semesters/10 credits
Grade: 9-12 Prerequisites: Teacher Recommendation and ELL Placement
Note: This is a Graduation Requirement (Replaces World Civilization)

Provides students with a basic foundation of world geography and history as well as the development of critical and historical thinking skills. Throughout this course, students will integrate geographical concepts and historical events. The course focuses on the analysis and application of primary sources, maps, and world statistics. Students participate in research through inquiry, group discussions, critical thinking exercises, and project based learning. This course is aligned with NDE standards for Social Studies with the addition of ELL supports and strategies.

Course Title: U.S. History
Course Number: SS10
Duration: 2 semesters/10 credits
Grade: 10-12 Prerequisites: World Civilization
Note: This is a Graduation Requirement

Provides students with an overview of the history of the United States from the end of the Civil War to present day. This course examines people, events and processes in the history of the United States. Students develop skills in uncovering, evaluating and interpreting primary and secondary sources to produce and defend evidence-based arguments. Students participate in research through inquiry, group discussions, critical thinking exercises, and project based learning.

SOCIAL STUDIES COURSE DESCRIPTIONS CONTINUED

Course Title: Sheltered U.S. History
Course Number: SS11 Duration: 2 semesters/10 credits
Grade: 10
Prerequisites: Sheltered World Civilization Required for Graduation (Replaces US History)

Provides students with an overview of the history of the United States from the end of the Civil War to present day. This course examines people, events and processes in the history of the United States. Students develop skills in uncovering, evaluating and interpreting primary and secondary sources to produce and defend evidence-based arguments. Students participate in research through inquiry, group discussions, critical thinking exercises, and project based learning. This course is aligned with NDE standards for Social Studies with the addition of ELL supports and strategies.

Course Title: AP U.S. History
Course Number: SS12
Duration: 2 semesters/10 credits
Grade: 10-12 Prerequisites: World Civilization and teacher recommendation.
Note: Required for Graduation (Replaces US History). This course is available for dual credit through Metro Community College, UNO and AP

Provides students an advanced understanding of the cultural, economic, political, and social developments that have shaped the United States from its first inhabitants to the present. Students develop college-level skills including research, evidence analysis, and academic writing using a variety of sources through exploration of topics in United States history. Completion of this course will prepare all students to take the Advanced Placement® exam.

Course Title: American Government
Course Number: SS15
Duration: 1 semester/5 credits
Grade: 11-12 Prerequisites: World Civilization and US History
Note: This is a Graduation Requirement

Provides students with the skills and understandings necessary to participate in American democracy. Students examine the basic principles and functions of the branches of government at national, state, and community levels. Through discussion, creative projects, and argumentative writing, students develop their abilities to critically analyze information, evaluate positions on policy, and advocate for their beliefs. This course is a dual enrollment opportunity.

Course Title: Sheltered American Government
Course Number: SS19
Duration: 1 semester/5 credits
Grade: 11-12 Prerequisites: Sheltered World Civilization and Sheltered US History
Note: Required for Graduation (Replaces American Government)

Provides students with the skills and understandings necessary to participate in American democracy. Students examine the basic principles and functions of the branches of government at national, state, and community levels. Through discussion, creative projects, and argumentative writing, students develop their abilities to critically analyze information, evaluate positions on policy, and advocate for their beliefs. This course is a dual enrollment opportunity. This course is aligned with NDE standards for Social Studies with the addition of ELL supports and strategies.

SOCIAL STUDIES COURSE DESCRIPTIONS CONTINUED

Course Title: Intro to Criminal Justice
Course Number: SS17
Duration: 1 semester/5 credits
Grade: 10-12
Prerequisites: None

Provides an overview of the history, development, and framework of crime and criminal behavior in America. It examines the three main components of the criminal justice system including the law enforcement, the court system , and corrections . Students examine trends, behavior, and theories of crime. This course includes a variety of guest speakers, socratic seminars, and inquiry based learning.

Course Title: Diversity in America
Course Number: SS18
Duration: 1 semester/5 credits
Grade: 11-12
Prerequisites: SS10 or SS12, SS15

Provides a sociological and historical look at historically marginalized groups in the United States. Students investigate the history, policies and procedures, and trends of suppression, examine different types of prejudice and discrimination at personal, social and institutional levels and the intersectionality of privilege. A field experience is required outside of the school day to explore diversity.

Course Title: Modern Concepts
Course Number: SS26
Duration: 2 semesters/10 credits
Grade: 10-12
Prerequisites: None

Provides students an in-depth analysis of modern American History with an emphasis on multiple perspectives and relating historical concepts to today's events. Major units of study include various Cold War topics, the Kennedy assassination, the Vietnam War, the Watergate Scandal, the Ford through Bush Administrations, and Terrorism. During this course students participate in lectures, discussions, project-based learning, and research to learn about past events and relate it to the present.

Course Title: AP Psychology
Course Number: SS28
Duration: 2 semesters/10 credits
Grade: 10-12
Prerequisites: Teacher Recommendation, World Civilization and US History
Note: This course is available for dual credit through AP

Students study how the mind and body work together. Topics include approaches to and current research about psychology, sociology, biological psychology, states of consciousness, sensation and perception, learning, motivation, memory, intelligence, developmental psychology, personality, and clinical psychology (mental illness and therapy). Students analyze psychological/sociological theories to be able to compassionately relate to others. Completion of this course will prepare all students to take the Advanced Placement® exam.

SOCIAL STUDIES COURSE DESCRIPTIONS CONTINUED

Course Title: Nebraska Studies
Course Number: SS05
Duration: 1 semester/5 credits
Grade: 10-12
Prerequisites: World Civilization, US History

Provides students an overview of the history and geography of Nebraska and the Omaha metro area, while making connections to present day events. Key concepts include: indigenous peoples of Nebraska, historical figures and places, and current issues. Students develop historically relevant questions and gather, analyze, and communicate historical information about Nebraska history from multiple sources.

Course Title: Honors World History
Course Number: SS14
Duration: 2 semester hours/10 credits
Grade: 11-12
Prerequisites: World Civilization
Note: This course is available for dual credit through Metro Community College and UNO.

Provides students with the advanced skills and understandings needed to analyze processes, identify themes, and evaluate arguments in global history. Students develop college-level skills including research, evidence analysis, and academic writing through exploration of topics in global history from the ancient to the modern world. This course is a dual enrollment opportunity.

SEQUENCE

World Civilization → **U.S. History or AP U.S. History** → **Government** → **Elective Social Studies**

Social Studies Electives

- AP Psychology
- Criminal Justice
- Diversity in America
- Modern Concepts
- Nebraska Studies
- Honors World History

MATHEMATICS

COURSE LISTING

Course	Course Name	Graduation Requirement	Grades	Prerequisites	Credits	Possible Dual Credit/AP
MA02	Algebra 1 Essentials	Algebra 1	9-12	Teacher Recommendation	10	
MA07	Algebra 1	Algebra 1	9-12		10	
EL20	Algebra Support		9-12	Teacher Recommendation	10	
MA09	Geometry	Math	9-12	MA07	10	
EL21	Geometry Support		9-12	Teacher Recommendation	10	
MA10	Algebra 2	Math	10-12	MA09	10	
MA11	Honors Algebra 2 /Trig	Math	9-12	MA09 OR Teacher Recommendation	10	
MA23	College Algebra	Math	10-12	MA10 or MA11	10	MCC#1312 (prev. 1315)
MA06	Trigonometry	Math	10-12	MA10 or MA11	10	MCC# MATH1430
MA13	AP Pre-Calculus	Math	10-12	MA11 or MA06 and MA23	10	MCC#31425 UNO# AP Precalc 1320
MA14	AP Calculus AB	Math	10-12	MA13	10	AP Calculus MCC#Math 2410 UNO #1950
MA15	AP Statistics	Math	10-12	MA13 or MA23 and MA06	10	UNO#: CIST 2500 AP Statistics
MA17	MCC Modular (MA17-19)	Math	12	Counselor or Teacher Recommendation	20	MCC#0930 MCC#0931 MCC#1315
	MCC Modular Business Math (MA20)	Math	12	Placement Test Only in MA17	10	MCC@1220
	MCC Modular Technical Mathematics (MA21)	Math	12	Placement Test Only in MA17	10	MCC#1240

COURSE DESCRIPTIONS

Course Title: Algebra 1 Essentials
Course Number: MA02
Duration: 2 semesters/10 credits
Grade: 9-12 Prerequisites: None
Note: Placement is based upon teacher recommendation.

Provides students with a foundation of algebra and pre-algebra concepts essential for future math coursework. Key concepts include solving, graphing, and writing linear and quadratic functions, exponents and radicals, and data analysis, as well as foundational math skills. A variety of activities such as direct instruction, investigative tasks, small group work and student discourse are utilized for student learning.

Course Title: Algebra 1
Course Number: MA07
Duration: 2 semesters/10 credits
Grade: 9-12 Prerequisites: None
Note: This is Graduation Requirement

Provides students with a foundation of algebra concepts essential for future math coursework. Key concepts include solving, graphing, and writing linear equations, inequalities, and quadratics, and applying these concepts to real world situations. A variety of activities such as direct instruction, investigative tasks, small group work and student discourse are utilized for student learning.

Course Title: Algebra 1 Support
Course Number: EL20
Duration: 2 semesters/10 elective credits
Grade: 9th Only Prerequisites: Teacher Recommendation and MA07 must be taken concurrently

Supports students enrolled in Algebra 1 by providing foundational math skills with additional instruction. Key concepts align with the Algebra 1 curriculum. A variety of activities such as direct instruction, investigative tasks, small group work and student discourse are utilized for student learning. This course is taken concurrently with Algebra 1 for elective credit.

Course Title: Geometry
Course Number: MA09
Duration: 2 semesters/10 credits
Grade: 9-12 Prerequisites: MA07

Provides students with a foundation of geometry concepts essential for future math coursework. Key concepts include logic and proofs, parallel and perpendicular lines, polygons and circles, congruent and similar figures, perimeter, area, and volume, right triangle trigonometry, and geometric probability. A variety of activities such as direct instruction, investigative tasks, small group work and student discourse are utilized for student learning.

MATHEMATICS COURSE DESCRIPTIONS CONTINUED

Course Title: Geometry Support
Course Number: EL21
Duration: 2 semesters/10 elective credits
Grade: 10 Prerequisites: MA07 and placement is based upon teacher recommendation. MA09 must be taken concurrently.

Supports students enrolled in Geometry by providing foundational math skills with additional instruction. Key concepts align with the Geometry curriculum. A variety of activities such as direct instruction, investigative tasks, small group work and student discourse are utilized for student learning. This course is taken concurrently with Geometry for elective credit.

Course Title: Algebra 2
Course Number: MA10
Duration: 2 semesters/10 credits
Grade: 10-12 Prerequisites: MA09
3 years of math must be taken for graduation

Extends students' knowledge of algebra topics and also prepares students for ACT and upper-level math courses. Key concepts include linear, quadratic, and polynomial functions and equations, exponential and logarithmic functions, rational functions, and the study of complex number systems. A variety of activities such as direct instruction, investigative tasks, small group work, and student discourse are utilized for student learning.

Course Title: Honors Algebra 2/Trig
Course Number: MA11
Duration: 2 semesters/10 credits
Grade: 9-12 Prerequisites: MA09 and teacher recommendation

Extends students' knowledge of algebra and trigonometry topics at a more rapid pace, and also prepares students for ACT and upper-level math courses. Key concepts include linear, quadratic, and polynomial functions and equations, exponential and logarithmic functions, rational functions, the study of complex number systems, right triangle trigonometry, and trigonometric functions and applications. A variety of activities such as direct instruction, investigative tasks, small group work and student discourse are utilized for student learning.

Course Title: College Algebra
Course Number: MA23
Duration: 2 semesters/10 credits
Grade: 10-12 Prerequisites: MA10 or MA11
Note: This course is available for dual credit through Metro Community College

Extends students' knowledge of advanced algebra topics and provides the background necessary for future college math courses. Key concepts include functions and their inverses; polynomial, radical, exponential, logarithmic, and rational expressions and equations; graphing functions using transformations (absolute value, polynomial, radical, exponential, and logarithmic); and an introduction to statistics. A variety of activities such as direct instruction, investigative tasks, small group work, and student discourse are utilized for student learning.

MATHEMATICS COURSE DESCRIPTIONS CONTINUED

Course Title: Trigonometry
Course Number: MA06
Duration: 2 semesters/10 credit hours
Grade: 10-12 Prerequisites: MA10 or MA11
Note: This course is available for dual credit through Metro Community College

Extends students' knowledge of algebra and trigonometry topics and also prepares students for ACT and upper level math courses. Key concepts include trigonometric ratios, triangles, vectors, circular functions, trigonometric identities, inverse trigonometric functions, trigonometric equations, and complex numbers. A variety of activities such as direct instruction, investigative tasks, small group work, and student discourse are utilized for student learning.

Course Title: AP Pre-Calculus
Course Number: MA13
Duration: 2 semesters/10 credits
Grade: 10-12 Prerequisites: MA11 or MA10 and MA06
Note: This course is available for dual credit through Metro Community College, UNO and AP

AP Pre-Calculus provides students with an understanding of the concepts of college algebra, trigonometry, and additional topics that prepare students for the ACT and future college-level courses. This course explores a variety of function types and their applications—polynomial, rational, exponential, logarithmic, trigonometric, polar, parametric, vector-valued, implicitly defined, and linear transformation functions using matrices. A variety of activities such as direct instruction, investigative tasks, small group work and student discourse are utilized for student learning. Completion of this course will prepare all students to take the Advanced Placement® exam.

Course Title: AP Calculus
Course Number: MA14
Duration: 2 semesters/10 credits
Grade: 10-12 Prerequisites: MA 13
Note: This course is available for dual credit through Metro Community College, UNO and AP

Students gain the tools they need to be successful in their next Calculus or college math course. Key concepts include limits, derivatives, indefinite integrals, and definite integrals with a focus on differential and integral Calculus and its applications. Students will use mathematical tools to analyze the continuous rate of change between variables and extend their understanding of these topics through discovery and the use of technology. Completion of this course will prepare all students to take the Advanced Placement® exam.

MATHEMATICS COURSE DESCRIPTIONS CONTINUED

Course Title: AP Statistics
Course Number: MA15
Duration: 2 semesters/10 credits
Grade: 10-12
Prerequisites: MA13
Note: This course is available for dual credit through UNO

Provides students with an introduction to statistical concepts with an emphasis on the function of statistics in information and technology. Key concepts include descriptive statistical measures, probability, discrete probability, sampling, estimation analysis, hypothesis testing, regression, and analysis of variance. This is an activity-based course in which students are actively involved in gathering their own data, learn how to communicate how they gathered this data, what the results are, and how to interpret these results using statistics vocabulary. Completion of this course will prepare all students to take the Advanced Placement® exam.

MCC Algebra Track: Counselor or Teacher Recommendation for Placement ONLY.

Students can earn math credit toward select programs at MCC.

Key concepts of 0910 include fractions, decimals, ratios, percents, linear equations, and geometry. Key concepts of 0930/0931 include linear equations, graphing equations and functions, exponents, polynomials, radicals, factoring, and rational expressions. Key concepts of 1315 include functions and their inverses; polynomial, radical, exponential, logarithmic, and rational expressions and equations; graphing functions using transformations (absolute value, polynomial, radical, exponential, and logarithmic); and an introduction to statistics.

MATH 0910 - Pre-Algebra (Pass/No Pass)
MATH 0930 - Intermediate Algebra Part 1 (Pass/No Pass)
MATH 0931 - Intermediate Algebra Part 2 (Pass/No Pass)
MATH 1315 - College Algebra (Letter grade earned in this course)

MCC Business Track:
Students can earn math credit toward SELECT business degree occupational programs through MCC. It is the student/parent responsibility to ensure whether this course meets the intended degree program desired through MCC.

Key concepts of 0910 include fractions, decimals, ratios, percents, linear equations, and geometry. Key concepts of 1220 include percentages, checking accounts and services, payroll, payroll taxes, cash and trade discounts, markdowns, property and sales taxes, simple and compound interest, installment purchases, loan payment plans, and annuities.

MATH 0910 - Pre-Algebra
MATH 1220 - Business Mathematics (Letter grade earned in this course)

MATHEMATICS COURSE DESCRIPTIONS CONTINUED

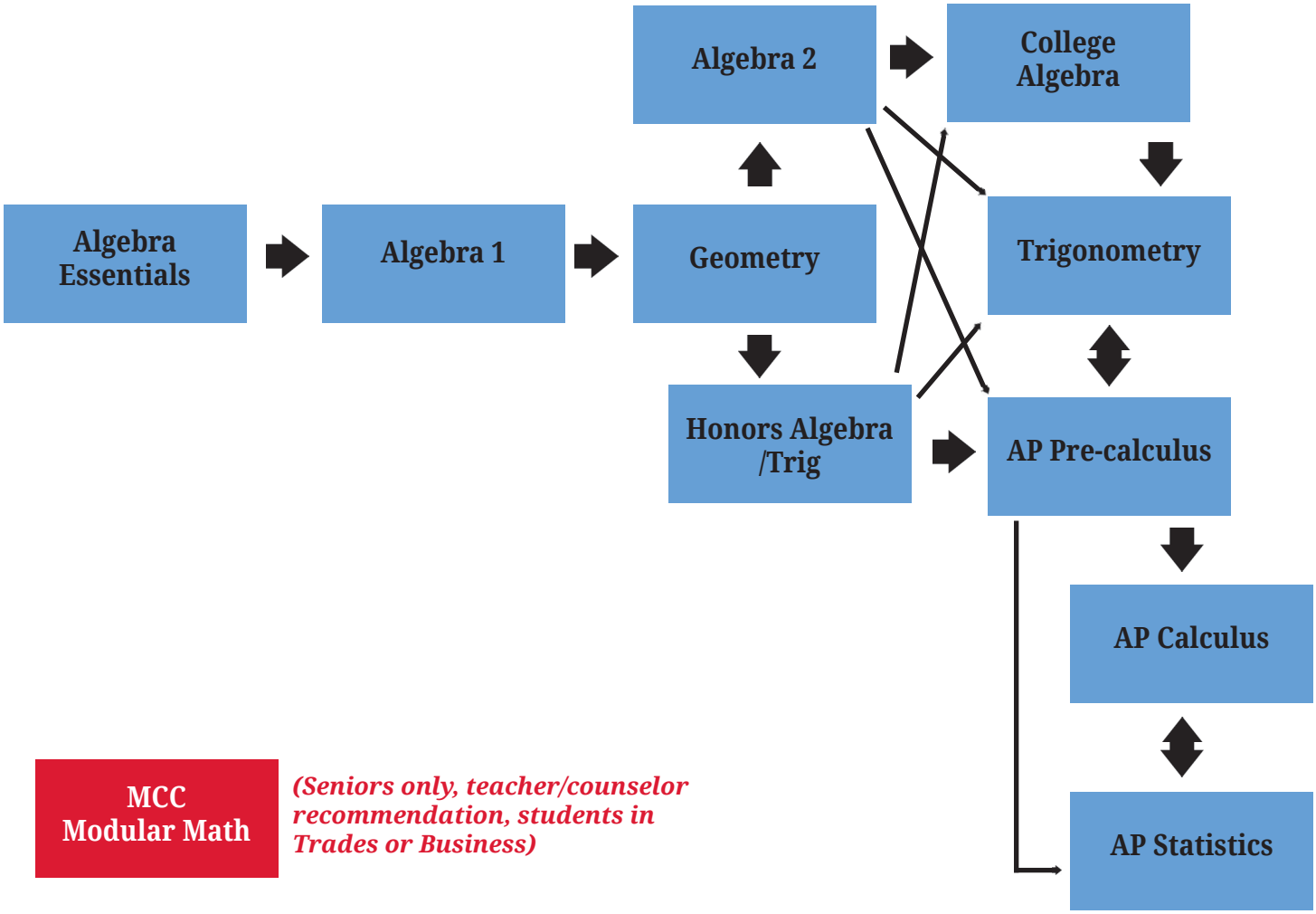
MCC Trades Track:
Students can earn math credit toward SELECT industry-related occupational degree programs through MCC. It is the student/parent responsibility to ensure whether this course meets the intended degree program desired through MCC. Students in the RHS Automotive Academy are encouraged to enroll in this course, as are students who are completing programs of study in construction and manufacturing.

Key concepts of 0910 include fractions, decimals, ratios, percents, linear equations, and geometry.
Key concepts of 1240 include applications of arithmetic skills, measurement, and elementary algebra, geometry, and trigonometry.

MATH 0910 - Pre-Algebra
MATH 1240 - Applied Mathematics (Letter grade earned in this course)

The 0900 courses earn pass/no pass high school credit toward high school graduation requirements and elective credit at MCC that prepare students for math-credit-bearing college coursework.

SEQUENCE



SCIENCE

COURSE LISTING

Course	Course Name	Graduation Requirement	Grades	Prerequisites	Credits	Possible Dual Credit/AP
SCO2	Biology	Biology	9-12		10	
SC17	Sheltered Biology	Biology	9-12	Teacher Recommendation	10	
SC03	Pre-AP Biology	Biology	9th Only	Teacher Recommendation	10	
SC07	Physical Science	Physical Science	10-12	SC02	10	
SC18	Sheltered Physical Science	Physical Science	10-12	SC17	10	
SC10	Honors Chemistry	Physical Science	10-12	SC03 and MA07	10	MCC Chem1010
SC12	Honors Physics		10-12	SC07 or SC10 and MA07	10	
SC01	Human Anatomy & Physiology		10-12	SC02 or SC03	10	
SC19	Earth Science		10-12	SC02 and SC07		
SC05	Human Anatomy & Physiology AR		11-12	SC02 or SC03 & enrolled in Med Academy	10	MCC BIOS 1310 UNO BMCH 2400
SC14	Critical Issues in Science		11-12	SC02 and SC07	5	
SC15	Forensic Science		11-12	SC07 or SC10	5	CRIM 2330
SC16	Sports Medicine	Capstone	11-12	SC02	5	
SC06	Zoology		11-12	SC02 and SC07 or SC03	5	
SC04	AP Biology		11-12	SC10	10	UNO BIO 1450 UNO BIO 1750 MCC BIOS 1010 AP Biology
SC11	AP Chemistry		11-12	SC10 and MA10	10	MCC 1212
SC13	AP Physics		11-12	SC12 (or SC07 with approval)	10	MCC PHYS 110A, PHYS 110B, and PHYS 110C. UNO: PHYS 1110 and PHYS 1154

COURSE DESCRIPTIONS

Course Title: Biology
Course Number: SC02
Duration: 2 semester/10 credits
Grade: 9-12 Prerequisites: none
Note: This is a Graduation Requirement

Provides students with a general understanding of biological concepts of living organisms. Students will also have the opportunity to develop the ability to think and act in ways associated with scientific inquiry. Students will explore concepts of cellular biology, genetics, evolution, and ecology. Coursework, lab work, and examinations will prepare students for future science courses.

Course Title: Sheltered Biology
Course Number: SC17
Duration: 2 semester/10 credits
Grade: 9-12 Prerequisites: Placement is based upon teacher recommendation
Note: This course is exclusively for English Language Learners. This is a Graduation Requirement (replaces Biology)

Provides students with a general understanding of biological concepts of living organisms. Students will also have the opportunity to develop the ability to think and act in ways associated with scientific inquiry. Students will explore concepts of cellular biology, genetics, evolution, and ecology. Coursework, lab work, and examinations will prepare students for future science courses. This course is aligned with NDE standards for Biology with the addition of ELL supports and strategies.

Course Title: Pre-AP Biology
Course Number: SC03
Duration: 2 semester/10 credits
Grade: 9th Only Prerequisites: Placement is based upon teacher recommendation
Note: This is a Graduation Requirement (Replaces Biology)

Provides students with an advanced understanding of biological concepts of living organisms. Students will also have the opportunity to develop the ability to think and act in ways associated with scientific inquiry. Students will explore concepts of cellular biology, genetics, evolution, and ecology. Coursework, lab work, and examinations will prepare students for future science courses. This will fulfill the prerequisite for AP Biology.

Course Title: Physical Science
Course Number: SC07
Duration: 2 Semesters/10 Credits
Grade: 10-12 Prerequisites: SC02 or SC03
Note: This is a Graduation Requirement

Provides students with a general understanding of principles of chemistry and physics. Students will also have the opportunity to develop the ability to think and act in ways associated with scientific inquiry. Topics studied include the study of the structure of atoms, structure and properties of matter, and chemical reactions. Additional topics include an overview of motion and forces, work and energy, impulse and momentum, waves, sound, and light. This course will involve laboratory activities, projects, textbook material, models and diagrams.

Course Title: Honors Chemistry 1
Course Number: SC10
Duration: 2 semesters/10 credits
Grade: 10-12 Prerequisites: SC03 and MA07 or Teacher Recommendation
Graduation Requirement (Replaces Physical Science)
Note: This course is available for dual credit through Metro Community College

Provides students with a year long algebra-based chemistry course. Central themes will include properties of matter, atomic structure, chemical reactions, stoichiometric calculations, and gas behavior, among others. This course will involve laboratory activities, advanced post-laboratory processing of data, projects, textbook material, models and diagrams. Students can choose to take this course for Dual Enrollment Credit as CHEM1010 through MCC.

Course Title: Human Anatomy & Physiology
Course Number: SC01
Duration: 2 semesters/10 credits
Grade: 10-12 Prerequisites: SC02 or SC03

This course will involve learning how structure and function occurs through all of the human body systems and how they are interrelated to one another. Concepts involving how the design of a body structure makes its function possible or more efficient will be explored. This class includes a component of lab activities including dissections.

Course Title: Earth Science
Course Number: SC19
Duration: 1 semester/5 credits
Grade: 10-12
Prerequisites: SC02 and SC07

This course explores the composition, structure, processes, and history of the Earth, including its atmosphere, oceans, freshwater systems, and its position in space, covering topics like plate tectonics, rock cycles, weather patterns, climate change, geological formations, minerals, and the interactions between different Earth systems.

Course Title: Honors Human Anatomy
Course Number: SC05
Duration: 2 semesters/10 credits
Grade: 11-12 Prerequisites: SC03 or SC10 and CE30
Note: This course is available for dual credit through Metro Community College and UNO and Honors Human Anatomy is required for Medical Academy I.

This course covers the structure and function of the systems of the body with an emphasis on the skeletal, muscular, respiratory, and the cardiovascular systems. This course serves as a prerequisite for a variety of post-secondary healthcare pathways. Students can choose to take this course for Dual Enrollment Credit as BMCH 2400 through UNO or BIOS 1310 through MCC.

Course Title: Critical Issues in Science
Course Number: SC14
Duration: 1 semester/5 credits
Grade: 11-12 Prerequisites: SC02 and SC07

Using current events and topics in science, this course focuses on world and local earth and environmental science issues that affect students' everyday lives. Topics covered can be related to various scientific fields of study, based on events that are occurring. Students work using a variety of source materials and experiences in order to better understand the world around them and how it works.

Course Title: Forensic Science
Course Number: SC15
Duration: 1 semester/5 credits
Grade: 11-12 Prerequisites: SC07 or SC10
Note: This course is available for dual credit through Metro Community College

Provides students with an introduction to the application of science (chemistry, physics, and biology) to the criminal and civil laws that are enforced by police agencies in a criminal justice system. Topics which may be covered include fingerprinting, fiber analysis, ballistics, trace evidence analysis, blood spatters, and blood samples, handwriting analysis, and arson. Students are taught the proper collection, preservation, and laboratory analysis of various samples, and case analysis and crime scene processing. May discuss sensitive topics regarding criminology. Students can choose to take this course for Dual Enrollment Credit as CRIM 2330 through MCC.

Course Title: Sports Medicine
Course Number: SC16
Duration: 1 semester/5 credits
Grade: 11-12 Prerequisites: SC02
Note: Field experience outside of class time with Ralston High School's Certified Athletic Trainer is required.

Provides students with a general overview of the practice of sports medicine. It includes introductory information about the athletic trainer's scope of practice: injury prevention, treatment, rehabilitation, emergency injury management and administrative functions.

Course Title: Zoology
Course Number: SC06
Duration: 1 semester/5 credits
Grade: 11-12 Prerequisites: SC02 and SC07 or SC03

Provides students with a beginning understanding of the different groups included in the animal kingdom. Students will explore each of the phyla found in the animal kingdom, and relate their structures and behaviors to their continued survival. Learning methods will include a combination of lecture, lab activities and independent research. Working with both living and preserved animals will be a critical and required component of this course. This course includes multiple dissections.

Course Title: AP Biology
Course Number: SC04 Duration: 2 semesters/10 credits
Grade: 11-12 Prerequisites: SC10
Note: This course is available for dual credit through Metro Community College, UNO and AP Biology is required for Med Academy II.

The aim of the course is to provide conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology and to understand the applications as they apply to the world around us. Concepts include an introduction to the study of life, concentrating on whole organisms and their interactions with the environment, with a focus on evolution and natural selection, biodiversity, physiologic responses to the environment, population dynamics, community ecology, and energy and material flow through ecosystems. Completion of this course will prepare all students to take the Advanced Placement® exam. Students can choose to take this course for Dual Enrollment Credit as BIO 1450 and BIO 1750 through UNO or BIOS 1010 through MCC.

Course Title: AP Chemistry
Course Number: SC11
Duration: 2 semesters/10 credits
Grade: 11-12 Prerequisites: SC10 and MA10
Note: This course is available for dual credit through Metro Community College and UNO and AP

Provides students with an interest in science and math an opportunity to experience a college-level general chemistry course. An in depth extension of Honors Chemistry that includes the following topics: reaction rates, thermo chemistry, electro chemistry, and equilibrium. Students can choose to take this course for Dual Enrollment Credit as CHEM1212 through MCC. Completion of this course will prepare all students to take the Advanced Placement® exam.

Course Title: AP Physics
Course Number: SC13
Duration: 2 semesters/10 credits
Grade: 11-12 Prerequisites: SC12 (or SC07 with approval) and MA10 or MA11
Note: This course is available for dual credit through Metro Community College and UNO

Provides students with an interest in science and math an opportunity to experience an introductory college-level physics course. Emphasis will be in investigating Newtonian Mechanics, Rotational Dynamics, Simple Harmonic Motion and Waves, and Electricity. Students will participate in weekly lab based investigations, practice problems, and project based engineering challenges. Students can choose to take this course for Dual Enrollment Credit as PHYS 110A, PHYS 110B, and PHYS 110C through MCC. Completion of this course will prepare all students to take the Advanced Placement® exam.

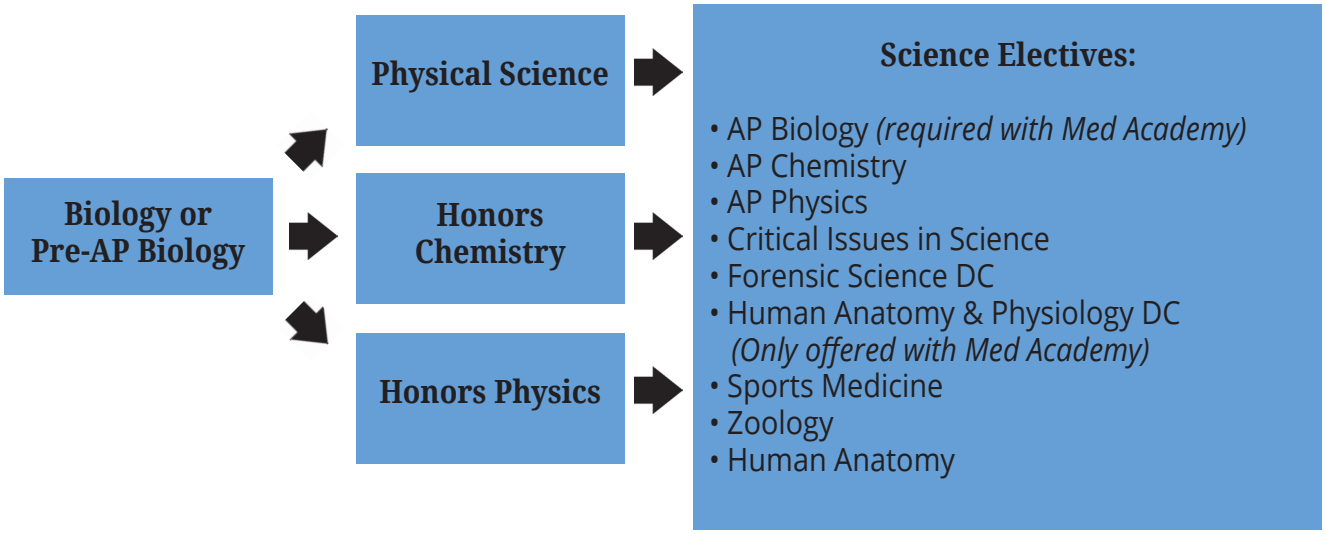
Course Title: Honors Physics 1
Course Number: SC12
Duration: 2 semesters/10 credits
Grade: 9-12 Prerequisites: SC07 or SC10 and MA07

Provides students with an algebra-based physics course. Central themes will involve a deeper investigation into forces and motion, energy, momentum, waves, sound, and electricity. Students will learn to model physics through investigations, engineering design, and guided practice. Successful completion of geometry is a prerequisite for this course.

Course Title: Sheltered Physical Science
Course Number: SC18
Duration: 2 Semesters/10 Credits
Grade: 10-12 Prerequisites: SC17 and Teacher Recommendation
Note: This is a Graduation Requirement (Replaces Physical Science)

Provides students with a general understanding of principles of chemistry and physics. Students will also have the opportunity to develop the ability to think and act in ways associated with scientific inquiry. Topics studied include the study of the structure of atoms, structure and properties of matter, and chemical reactions. Additional topics include an overview of motion and forces, work and energy, impulse and momentum, waves, sound, and light. This course will involve laboratory activities, projects, textbook material, models and diagrams. This course is aligned with NDE standards for Physical Science with the addition of ELL supports and strategies.

SEQUENCE



PHYSICAL EDUCATION

Course	Course Name	Graduation Requirement	Grades	Prerequisites	Credits	Possible Dual Credit/AP
PE01	Health & Wellness	Health & Well-ness	9-12		5	
PE02	Fitness & Swim Foundations	Fitness & Swim Foundations	9-12		5	
PE04	Aerobic Training	PE	9-12		5	
PE05	Team Games	PE	9-12		5	
PE06	Aquatic Fitness & Activities	PE	10-12	PE02	5	
PE07	Lifeguard and Water Safety	PE	10-12	15 years old and PE 02 and PE06 or approval	5	
PE09	Outdoor & Lifetime Activities	PE	10-12	PE02	5	
PE10	Introduction to Strength and Conditioning	PE	9-12		5	
PE11	Intermediate Strength and Conditioning	PE	10-12	PE10	5	
PE13	Zero Hour Advanced Strength and Conditioning	PE	9-12	PE10 or approval	5	
PE14	Burst	PE	10-12	PE10 and Teacher/Varsity Coach Recommenda-tion	5	

COURSE DESCRIPTIONS

Course Title: Health & Wellness
Course Number: PE01
Duration: 1 semester/5 credits
Grade: 9-12 Prerequisites: None
Note: This is a Graduation Requirement

Provides information that will help students progress through life in the most healthy way possible. The four main units in this class are: Health & Wellness, Fitness & Nutrition, Drugs & Alcohol, and Sexual Education & Pregnancy. Students will use a variety of learning methods that include group discussions, group and individual projects, and journal reflections.

Course Title: Fitness & Swim Foundations
Course Number: PE 02
Duration: 1 semester/5 credits
Grade: 9-12 Prerequisites: None
Note: This is a Graduation Requirement

Provides basic swimming knowledge and skills as well as beginning weight training exercises. During the swim portion of class, students learn water survival skills and stroke techniques through fitness swimming and aquatic activities. The fitness portion of class includes beginning weight training instruction and assessing personal fitness through a variety of physical activities.

Course Title: Aerobic Training
Course Number: PE04
Duration: 1 semester/5 credits
Grade: 9-12 Prerequisites: None

This course is designed to introduce students to the skills necessary to perform cardiovascular,flexibility, and muscular endurance exercises. Students will participate in a wide variety of aerobic activities including (but not limited to) cardio kick boxing, resistance training, Pilates, crossfit, low-impact aerobic training, Zumba and flexibility exercises.

Course Title: Team Games
Course Number: PE05
Duration: 1 semester/5 credits
Grade: 9-12 Prerequisites: None

This course is designed to teach a variety of rules, skills, fundamentals, and strategies in multiple team activities. The content will promote a healthy, active lifestyle while emphasizing safety, sportsmanship, and teamwork. Students will also be offered coursework and experience to officiate in a variety of sports.

PHYSICAL EDUCATION COURSE DESCRIPTIONS CONTINUED

Course Title: Aquatic Fitness & Activities
Course Number: PE06
Duration: 1 semester/5 credits
Grade: 9-12 Prerequisites: PE 02

This course is designed for a proficient swimmer to learn advanced techniques and fitness concepts that can be integrated into individualized aquatic fitness programs. Students will practice proper stroke technique, monitor their fitness levels while performing an in-water workout, explore various aquatic games, and design their own aquatic workout to share with the class.

Course Title: Lifeguard & Water Safety
Course Number: PE07
Duration: 1 semester/5 credits
Grade: 9-12 Prerequisites: 15 years old and PE 02 and PE 06 or approval
Note: Approximate fee of $55.00 for handbook and breathing mask; an additional $38 for students who choose to be certified.

This course is designed for proficient swimmers and follows the American Red Cross Lifeguarding requirements. It provides students the knowledge and skills necessary to prevent, recognize and respond to aquatic emergencies. Students will practice proper surveillance by learning how to complete a primary and secondary assessment, perform in-water rescue techniques, and obtain the skills to provide care for breathing and cardiac emergencies (CPR), injuries and sudden illness until EMT personnel take over.

Course Title: Outdoor & Lifetime Activities
Course Number: PE09
Duration: 1 semester/5 credits
Grade: 11-12 Prerequisites: PE02

This course is designed to provide students with the basic skills, knowledge and strategies of lifetime activities that contribute to a healthy, active adult lifestyle. Students will experience the benefits of the outdoors through the exploration of individual, partner, and group lifetime activities including badminton, tennis, golf, and yard games. Several outdoor activities will also be explored in this course, including kayaking, hiking, fishing, and basic survival skills.

Course Title: Introduction to Strength and Conditioning
Course Number: PE10
Duration: 1 semester/5 credits
Grade: 9-12 Prerequisites: none

This course is designed for students new to weight training with a desire to improve their strength and fitness. It includes proper lifting techniques, spotting methods, weight room safety, and workout routines. Overall improvements in strength are measured by core lift testing through the collection of pre and post performance numbers in the bench, squat, and clean.

PHYSICAL EDUCATION COURSE DESCRIPTIONS CONTINUED

Course Title: Intermediate Strength and Conditioning
Course Number: PE11
Duration: 1 semester/5 credits
Grade: 9-12 Prerequisites: PE 10 or approval
Note: This course can be repeated for PE or Elective credit.

This course is designed for the intermediate to advanced weight training student desiring to continue to improve on performance numbers, technique/form, and strength concepts. It builds on Introduction to Strength and Conditioning by applying more advanced lifts and techniques. Growth in strength is documented through continued maximal tests.

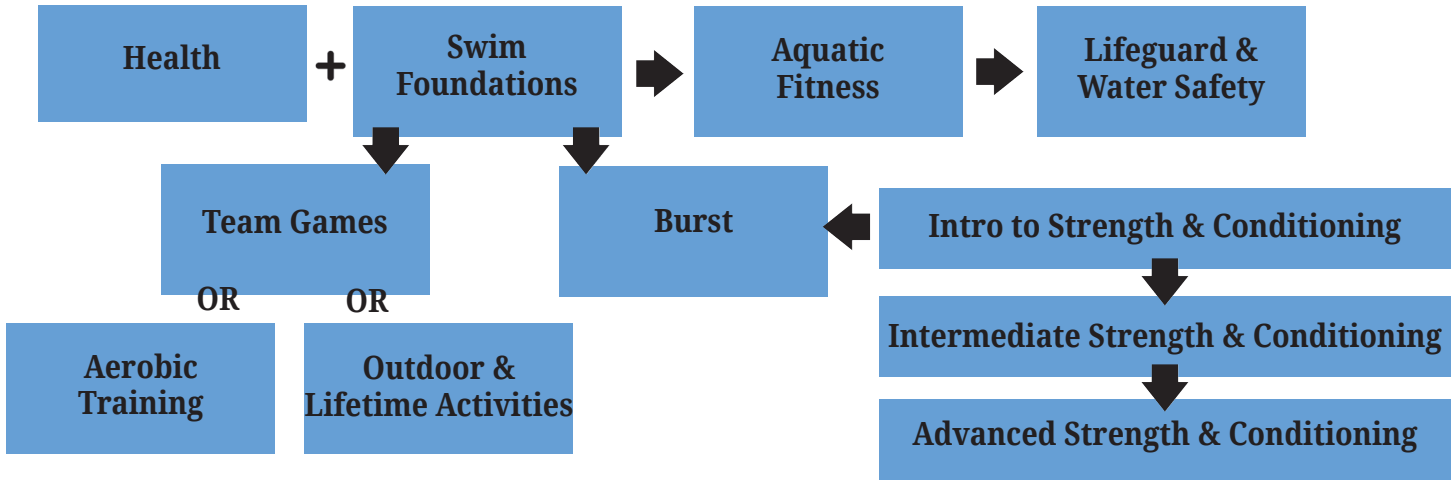
Course Title: Zero Hour Advanced Strength and Conditioning
Course Number: PE 13
Duration: 1 semester/5 credits
Grade: 9-12 Prerequisites: PE 10 or approval
Note: This course meets from 7:00-7:45am and is an option to take all year for multiple years for PE or Elective Credit.

This course is designed for advanced weight training students and athletes. Advanced students are given an opportunity to research and implement different workout and training techniques that match their fitness goals. It builds on Intermediate Strength and Conditioning by providing opportunities for students to reach their performance goals.

Course Title: Burst
Course Number: PE14
Duration: 1 Semester/5 Credits
Grade: 10-12 Prerequisites: Introduction to Strength and Conditioning and Teacher/Varsity Coach Recommendation

Elevate your game with our High School Speed & Plyometrics Training class! This engaging and action-packed program is specifically designed for high school athletes looking to enhance their speed, agility, and explosive power. Whether you're preparing for your next season or simply wanting to improve your athletic performance, this class is for you! In this class, you'll participate in a variety of fun and challenging drills that focus on developing your athletic skills.

SEQUENCE



FINE ARTS

Course	Course Name	Graduation Requirement	Grades	Prerequisites	Credits	Possible Dual Credit/ AP
		Art				
FA01	Introduction to Art	Fine Arts	9-12		5	
FA03	Drawing	Fine Arts	9-12	FA01	5	
FA08	Painting	Fine Arts	9-12	FA01	5	
FA04	Computer Art	Fine Arts	9-12	FA01	5	
FA05	Pottery/ Sculpture	Fine Arts	10-12	FA01	5	
FA06	Graphic Arts	Fine Arts	10-12	FA04 & FA01	5	
FA07	Advanced Drawing/ Painting	Fine Arts	11-12	FA01, FA03, FA08	5	
		Theater				
FA10	Theater 1	Fine Arts	9-12		10	
FA11	Advanced Theater	Fine Arts	10-12	FA10	10	
FA12	Stagecraft	Fine Arts	9-12		5	
	Instrumental & Vocal Music					
FA20	Marching/ Concert Band	Fine Arts	9-12	Previous experience playing a musical instrument or Teacher Recommendation	10	
FA24	Color Guard/ Winter Guard	Fine Arts	9-12	Audition	2.5	
FA25	Jazz/Rock Ensemble	Fine Arts	9-12	Audition; currently in Band	10	
FA26	Instrumental Music	Fine Arts	9-12		5	
FA32	RAM Choir	Fine Arts	9-12		10	
FA33	Class Voice & Advanced Musicianship	Fine Arts	9-12	Previous music experience; Teacher Recommendation	5	
FA31	Women's Choir: Runway	Fine Arts	9-12	Audition	10	
FA35	Varsity Show Choir Rush	Fine Arts	9-12	Audition	10	
FA36	Concert Choir	Fine Arts	9-12	Audition	10	
FA30	Music Appreciation	Fine Arts	9-12		5	

COURSE DESCRIPTIONS

Course Title: Introduction to Art
Course Number: FA01
Duration: 1 semester/5 credits
Grade: 9-12 Prerequisites: None

This course develops a foundation for art principles and practices. Students will build vocabulary and study a variety of art history periods while making unique works of art. Students will explore style, media and subjects while developing techniques to help them become successful in art and design.

Course Title: Drawing
Course Number: FA03
Duration: 1 semester/5 credits
Grade: 9-12 Prerequisites: FA01

Drawing is the foundation for all other art and media used throughout art history. Students will explore the skills and media of drawing. Through creative projects and a variety of media, students will learn how to create artwork using various drawing techniques.

Course Title: Painting
Course Number: FA08
Duration: 1 semester/5 credits
Grade: 9-12 Prerequisites: FA01

Painting is a media used throughout the ages to communicate culture, ideas and the artist's beliefs. Students will explore the skills, media of painting, techniques and styles that will help them find their own artistic voice.

Course Title: Computer Art
Course Number: FA04
Duration: 1 semester/5 credits
Grade: 9-12 Prerequisites: FA01

This introductory course provides students the opportunity to gain a basic foundation in graphic design. Through the use of the elements and principles of design students will begin exploring the world of visual communication. Students will learn basic drawing skills and photo manipulation using a variety of digital platforms.

Course Title: Pottery/Sculpture
Course Number: FA05
Duration: 1 semester/5 credits
Grade: 10-12 Prerequisites: FA01

This introductory course provides students the opportunity to gain a basic competency in three dimensional media. Students will develop skill in quality craftsmanship and creativity while exploring hand techniques such as slab building and coil building.

Course Title: Graphic Arts
Course Number: FA06
Duration: 1 semester/5 credits
Grade: 10-12 Prerequisites: FA01and FA04

Students will explore the professional world of graphic design through various real world scenarios. This course focuses on composition, layout, digital art, illustration, typography and photo manipulation. Students will acquire technical knowledge while also creating a digital art portfolio.

Course Title: Advanced Drawing/Painting
Course Number: FA07
Duration: 1 semester/5 credits
Grade: 10-12 Prerequisites: FA01, FA03, and/or FA08
Note: Students will create a portfolio for art college applications.

This course provides students the opportunity to explore various artistic media. Students will express independent ideas and focus on creating high quality works of art. Students will create a portfolio of artwork to help prepare them for future artistic practices.

Course Title: Theater 1
Course Number: FA10
Duration: 2 semesters/10 credits
Grade: 9-12

This course provides students with an introduction to the world of Theatre, and a basic understanding of theatrical production. This course introduces theater vocabulary, basic acting technique, and theater etiquette. Students will participate in acting alone and with others, the basics of theater design, presenting excerpts from plays. Students will learn the basics of pantomime, voice and movement for the stage.

Course Title: Advanced Theater
Course Number: FA11
Duration: 2 semesters/10 credits
Grade: 10-12 Prerequisites: FA10

This course provides students with an intermediate study of the world of theatre. Students will continue to explore the professional theatre model to advance their own performance potential through analysis and honing the actor's craft. Students will participate in directing, acting alone and with others, play script analysis, makeup application, and design basics as they continue to explore theatre history.

Course Title: Stagecraft
Course Number: FA12
Duration: 1 semester/5 credits
Grade: 9-12 Prerequisites:
Note: This course can be repeated for Fine Arts and Elective credit.

This course provides students the opportunity to explore theatre production from a backstage perspective. Students will see that theatrical productions benefit from quality and safely built sets and staging. Students will construct stage settings, work on theater sound and lighting systems, design and construct props, and be introduced to various technical aspects of theater, and will assist in all aspects of theatre use at Ralston High School.

Course Title: Instrumental Music
Course Number: FA26
Duration: 1 semester/5 credits
Grade: 9-12 Prerequisites:

Students will spend a semester learning to play one or more musical instruments of their choice as well as the basics of reading music, music theory, practice strategies, and other musical skills

Course Title: Marching/Concert Band
Course Number: FA20
Duration: 2 semesters/10 credits
Grade: 9-12 Prerequisites: Placement is based upon teacher recommendation and previous experience playing a musical instrument.
Note: Rehearsals and performances outside of the school day are expected.

Provides students a way to express themselves musically and to learn musical concepts through marching/concert band. Marching/ concert band will also provide a way for students to learn self control, personal discipline, and strong character traits. Marching/concert band will also provide students to learn commitment, teamwork, dedication, and mastery of an instrument. Through rehearsals and performances, students will develop advanced musical skills, individual and ensemble techniques, marching band drill techniques and concert band repertoire.

Course Title: Color Guard/Winter Guard
Course Number: FA24
Duration: 9 weeks (Quarter Class)
Grade: 2.5 credits Prerequisites: Audition
Note: Rehearsals, competitions and performances outside of the school day are required.
Provides students an opportunity to develop their dance, marching and choreography skills. Students will develop dance and movement techniques, as well as rehearse and perform as an ensemble. Attendance of one section per week plus full band rehearsals in the fall season is required.

Course Title: Jazz/Rock Ensemble
Course Number: FA25
Duration: 2 semesters/10 credits
Grade: 9-12 Prerequisites: Audition, currently in band, proficiency on wind, keyboard, guitar, or percussion instruments.
Note: Rehearsals and performances outside of the school day are required. Students are required to also participate in concert/marching band, but exceptions can be made on a case-by-case basis

Provides students a way to express themselves musically and to learn advanced musical concepts through jazz band. Students will experience ensemble, sectional, and solo experience in a big band jazz format. Improvisation skills will be encouraged.

Course Title: RAM Choir
Course Number: FA32
Duration: 2 semesters/10 credits
Grade: 9-12 Prerequisites: None
Note: Performances outside of the school day are required.

Designed for the beginners vocal development in a choral setting. Students will study a wide variety of musical styles, with particular emphasis on contemporary music; students will develop singing techniques, voice production, and sight singing skills, study various music styles and periods of music. Students will perform in several concerts.

Course Title: Class Voice & Advanced Musicianship
Course Number: FA33
Duration: 1 semester/5 credits
Grade: 9-12 Prerequisites: Placement is based upon teacher recommendation and previous music experience.

This course is designed to achieve greater vocal confidence, study basic music theory, and progress in vocal production on an individual basis. Students will learn vocal pedagogy, vocal health, study oratorios, art songs and arias, and perform in student recitals. Students are required to participate in All State Music auditions as well as the District Music Contest. This course may be repeated for credit.

Course Title: Women's Show Choir: Runway
Course Number: FA31
Duration: 2 semesters/10 credits
Grade: 9-12 Prerequisites: Audition
Note: This course may be repeated for credit.

Runway is designed for choral vocal development and sets standards and guidelines for ensemble singing. Students will develop ensemble singing techniques and voice production, dance and body movement skills, and performance techniques. This all treble ensemble performs various styles of music, using choreography. Additional rehearsals, competitions, and concerts that take place outside the school day are required.

Course Title: Varsity Show Choir: RUSH
Course Number: FA35
Duration: 2 semesters/10 credits
Grade: 9-12 Prerequisites: Audition
Note: All rehearsals, competitions, and concerts that take place outside the school day/term the course meets are required. This course may be repeated for credit. Participation in concert choir is required unless an exception for AP or honors classes, academies or graduate requirements.

RUSH is designed for advanced vocal development and sets standards and guidelines for ensemble singing. Students will perform contemporary choral music using choreography and develop ensemble singing techniques and voice production, dance and body movement skills, and performance techniques.

Course Title: Concert Choir
Course Number: FA36
Duration: 2 semesters/10 credits
Grade: 9-12 Prerequisites: Audition
Note: Participation in concerts that take place outside the school day are required. This course may be repeated for credit.

This is an advanced choral ensemble. Students will perform music from various genres and regions of the world and develop ensemble singing techniques, voice production, and sight-reading skills. The group will perform at all assigned concerts.

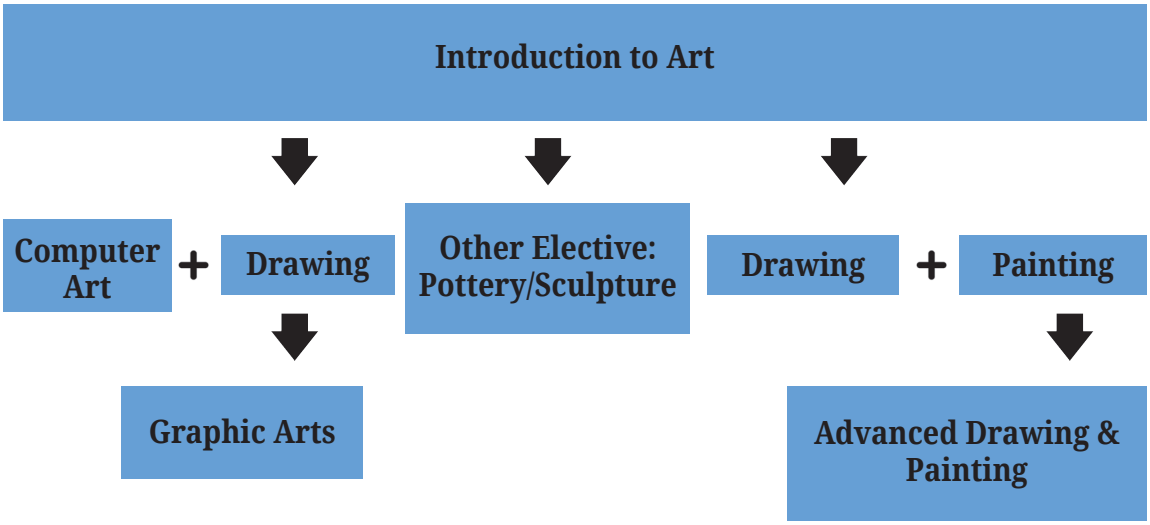
Course Title: Music Appreciation
Course Number: FA30
Duration: 1 semester/5 credits
Grade: 9-12 Prerequisites:

Students will learn the different music genres and the history of music in the world. Students will experience exploration in classical music, jazz and modern forms of orchestral and popular music. Students will explore the elements of music, how music has developed through history, and use music production software to create their own compositions.

SEQUENCE

Please Note:
Instrumental & Vocal Music has no preferred sequence.

Art



Theater

CAREER EDUCATION

COURSE LISTING

Course	Course Name	Graduation Requirement	Grades	Prerequisites	Credits	Possible Dual Credit/AP
CE01	College & Career Readiness	Capstone Course OR College & Career Readiness	12		5	
CE02	Personal Finance	Personal Finance	11-12		5	
CE13	Honors Personal Finance	Personal Finance	11-12		5	MCC#FINA 1000

COURSE DESCRIPTIONS

Course Title: College & Career Readiness
Course Number: CE01
Duration: 1 semester/5 credits
Grade: 12 Prerequisites: None
Note: This course is only required for students that do not complete a Career Pathway Capstone course.

This course will prepare students for life beyond high school and ensure their future success. It will explore and compare different career tracks, including college, workforce, and military enlistment. Students will complete career inventories, a job shadow experience, and prepare a portfolio of career experiences and materials.

CAREER EDUCATION COURSE DESCRIPTIONS CONTINUED

Course Title: Personal Finance
Course Number: CE02
Duration: 1 semester/5 credits
Grade: 11-12 Prerequisites: None
Graduation Requirement

This course teaches basic consumer skills for everyday adult life. Students will learn the following economic concepts used in everyday life: banking, credit, insurance, income tax, budgeting, investments and consumerism. Students will learn through real life examples, simulations, and discussion.

Course Title: Honors Personal Finance
Course Number: CE13
Duration: 1 semester/5 credits
Grade: 11-12 Prerequisites: None
Graduation Requirement (Replaces CE02)
Note: This course is available for dual credit through Metro Community College.

This course teaches basic and advanced consumer skills for everyday adult life. Students will learn the following economic concepts used in everyday life: banking, credit, insurance, income tax, budgeting, investments and consumerism. Students will learn through real life examples, simulations, and discussion. This is a more rigorous class than regular finance, but it earns your college credits.

Please Note: Career Education has no preferred sequence.

BUSINESS, MARKETING, & MANAGEMENT

COURSE LISTING

Course	Course Name	Graduation Requirement	Grades	Prerequisites	Credits	Possible Dual Credit/AP
CE00	Intro to Business		9-12		5	
CE05/CE94	Accounting 1A/1B		10-12		10	
CE07	Business Law		9-12	CE00	5	
CE11	Entrepreneurship: Owning a Business		10-12		5	
CE03	Management & Leadership	Capstone	9-12	CE00 & CE07	5	
CE20	Foods 1: Nutrition & Wellness		9-12		5	
CE21	Culinary Skills 1		9-12	CE20	5	
CE22	Culinary Skills 2	Capstone	11-12	CE20 & CE21	10	Certificate of Completion for MCC's Intro to Professional Cooking-fee for certificate
CE23	Baking & Pastry	Capstone	10-12	CE20 & CE21	5	

COURSE DESCRIPTIONS

Course Title: Intro to Business, Marketing & Management
Course Number: CE00
Duration: 1 semester/5 credits Grade: 9-12

This course is designed as an introductory overview of Business, Marketing, and Management Career Fields. Units of study include economic systems, forms of business ownership, management, marketing, and accounting. Career opportunities will also be studied. Students will learn by completing business simulations. Note: Special Fee of $30 to cover cost of participation in a Career Technical Student Organization (DECA).

BUSINESS, MARKETING, & MANAGEMENT CONTINUED

Course Title: Accounting 1A/1B:
Course Number: CE05/CE94 Duration: 1 year/10 credits Grade: 10-12

Recommended for students pursuing a possible postsecondary education in the area of Business. It is recommended that students first complete Introduction to Business, Marketing & Management. Note: Special Fee of $30 to cover cost of participation in a Career Technical Student Organization (DECA).

Course Title: Business Law
Course Number: CE07
Duration: 1 semester/5 credits Grade: 9-12 Prerequisites: CE00

This course is helpful for students that want to learn about the American legal system in relation to understanding the fundamentals of business law. Topics covered include the nature of law, courts and court procedures, crimes and torts, contracts, sales, and negotiable instruments. The learning activities and experiences the students will be revealed are case studies, student presentations, group discussions, and solving real life problems. Note: Special Fee of $30 to cover cost of participation in a Career Technical Student Organization (DECA).

Course Title: Entrepreneurship: Owning a Business
Course Number: CE11 Duration: 1 semester/5 credits Grade: 10-12

Designed for students who are interested in owning their own business. Emphasis is placed on the evaluation of business skills, commitment necessary to successfully operate an entrepreneurial venture, and to review the challenges and rewards of entrepreneurship. Students will develop a business plan or business model canvas. Note: Special Fee of $30 to cover cost of participation in a Career Technical Student Organization (DECA).

Course Title: Management & Leadership
Course Number: CE03
Duration: 1 semester/5 credits
Grade: 10-12 Prerequisites: CE00 and CE07 Note: Capstone Completion (Replaces CE01)

Studies the basic concepts of management and leadership within a business or organization. It addresses characteristics, organization, and operation of business as major sectors of the economy. Students will investigate management issues involved in planning, organizing, leading, and controlling an organization. They will also acquire essential leadership skills in the areas of emotional intelligence: time management, stress management, professional growth and development, communication, and relationship skills. The learning activities and experiences the students will be exhibited are student presentations, group discussions, solving real life problems or business scenarios for you to apply higher order thinking skills. Note: Special Fee of $30 to cover cost of participation in a Career Technical Student Organization (DECA).

Course Title: Foods 1: Nutrition & Wellness
Course Number: CE20 Duration: 1 semester/5 credits Grade: 9-12

Introduction to the Culinary Arts program of study that includes cooking basics, healthy meal planning and food budgeting. This class focuses on the 6 essential nutrients, principles of food preparation, the proper use of cooking equipment, and safe kitchen practices. Students will complete a Budget Project where they will plan an entire meal based off of a budget. Students will be expected to integrate the essential nutrients, go shopping for their ingredients and produce a meal for their final project. Note: Special Fee of $30 to cover cost of participation in a Career Technical Student Organization (SkillsUSA or FCCLA).

BUSINESS, MARKETING, & MANAGEMENT CONTINUED

Course Title: Culinary Skills 1
Course Number: CE21
Duration: 1 semester/5 credits Grade: 9-12 Prerequisites: CE20

Provides students with knowledge and skills required for entry level restaurant jobs and cooking for personal consumption. Curriculum will focus on intermediate culinary skills, industry safety and sanitation practices, interpersonal and communication skills. A work based learning approach will include demonstrating knowledge of the basic concepts of food product development by creating an original prototype formula, testing the product through focus groups, and developing a marketing strategy. Note: Special Fee of $30 to cover cost of participation in a Career Technical Student Organization (SkillsUSA or FCCLA).

Course Title: Culinary Skills 2
Course Number: CE22
Duration: 2 semesters/10 credits
Grade: 11-12 Prerequisites: CE20 and CE21 Note: Capstone Completion (Replaces CE01)

Designed for students interested in a future career involving food preparation and/or competing in cooking competitions. Curriculum focuses on the food service industry and provides training in workplace and culinary skills, and interpersonal and communication skills. ServSafe Food Handler Certification and culinary competition opportunities. Note: Special Fee of $30 to cover cost of participation in a Career Technical Student Organization (SkillsUSA or FCCLA).

Course Title: Baking & Pastry
Course Number: CE23
Duration: 1 semester/5 credits
Grade: 10-12 Prerequisites: Foods & Nutrition CE20 AND Culinary I CE21
Note: Capstone Completion course

This capstone course focuses on developing the skills used to plan, prepare, and market pastries and baked goods building on concepts from the introductory and intermediate courses. Topics covered include understanding the function of ingredients, scaling recipes, measurement systems, and baking and pastry management principles, including entrepreneurship. Note: Special Fee of $30 to cover cost of participation in a Career Technical Student Organization (SkillsUSA or FCCLA).

SEQUENCE

Entrepreneurship
- Intro to Business, Marketing & Management
- ↓
- Accounting
- ↓
- Entrepreneurship

Culinary Arts
- Foods 1
- ↓
- Culinary Skills 1
- ↓
- Culinary Skills 2 or Entrepreneurship

Management
- Intro to Business, Marketing & Management
- ↓
- Business Law
- ↓
- Management & Leadership

Finance
- Intro to Business, Marketing, Management OR Personal Finance
- ↓
- Accounting 1
- ↓
- Management & Leadership

INFORMATION TECHNOLOGY

COURSE LISTING

Course	Course Name	Graduation Requirement	Grades	Prerequisites	Credits	Possible Dual Credit/AP
CE60	Intro to Computer Science	Computer Science	10-12			
CE64	Intro to Computer Programming		9-12		5	
CE65	Advanced Programming		10-12	MA07 and CE64	10	
CE62	AP Computer Science A	Capstone	11-12	CE65	5	

COURSE DESCRIPTIONS

Course Title: Intro to Computer Science
Course Number: CE60
Duration: Semester/5
Grade: 10-12 Note: This a Graduation Requirement

This course is designed to provide students with a comprehensive understanding of essential concepts in the field of computer science. Students will demonstrate and describe best practices in computer literacy, ensuring they develop a solid foundation in how to effectively use digital tools and technologies. The course also emphasizes the importance of ethical practices in digital environments, guiding students to analyze and apply responsible behaviors associated with digital citizenship. As part of the curriculum, students will explore key information technology concepts and analyze the fundamentals of cybersecurity, preparing them to identify and address security challenges in the digital world. In addition, students will apply computational thinking to problem-solving, developing the skills to break down complex issues into manageable components. Finally, the course encourages the implementation of programming literacy practices, enabling students to create computational artifacts through programming and hands-on projects.

Course Title: Intro to Computer Programming
Course Number: CE64
Duration: 1 semester/5 credits Grade: 9-12

Introductory programming course designed for students who have never programmed before and serves as a starting point for Computer Science. Students will explore the impact of computing on society. Beyond learning the fundamentals of programming, students build computational thinking skills by applying computer science to collaboration tools, modeling and simulation, and data analysis. Activities include direct instruction, independent tutorials, small group work, as well as student presentations and evaluations of authentic student artifacts. Note: Special Fee of $30 to cover cost of participation in a Career Technical Student Organization (SkillsUSA).

INFORMATION TECHNOLOGY COURSE DESCRIPTIONS CONTINUED

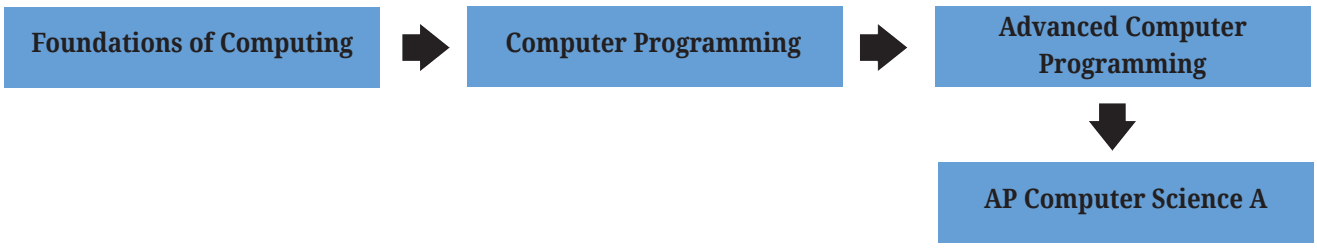
Course Title: Advanced Programming
Course Number: CE65
Duration: 2 semesters/10 credits Grade: 10-12
Prerequisites: MA07 & CE64

This course builds on the Foundations of Computing course and provides students with the basic and some more advanced fundamentals of programming with a focus on how computing powers the world. Along with the fundamentals of computing, students will learn to analyze data, create technology that has a practical impact (addresses a real-world problem or need), and gain a broader understanding of how computer science impacts people and society. Activities include direct instruction, independent tutorials, small group work, as well as student presentations and evaluations of authentic student artifacts.

Course Title: AP Computer Science A (Capstone)
Course Number: CE62
Duration: 1 semester/5 credits
Grade: 9-12 Prerequisites: CE65

This course introduces students to computer science through programming using the Advanced Placement language subset. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design. Activities include direct instruction, independent tutorials, small group work, as well as student presentations and evaluations of authentic student artifacts. Note: Special Fee of $30 to cover cost of participation in a Career Technical Student Organization (SkillsUSA).

SEQUENCE



HEALTH SCIENCES

COURSE LISTING

Course	Course Name	Graduation Requirement	Grades	Prerequisites	Credits	Possible Dual Credit/AP
CE30	Introduction to Health Science		10-12		10	
CE32	Nursing Assisting	Capstone	10-12	16 years old, CE30	10	
CE33	Medical Sciences Academy 1		11-12	CE30, SC02 or SC03, and SC10	20	
CE34/CE37	• Medical Sciences Academy 2 • Medical Sciences Academy 3	Capstone	12 Only	CE33 & SC05	40	
CE38	Healthcare Careers		11	CE33 & SC05	5	MCC HIMS1111
CE36	Medical Terminology I		12	CE 33 & SC05	5	MCC HIMS1120

COURSE DESCRIPTIONS

Course Title: Introduction to Health Science
Course Number: CE30
Duration: 1 semesters/5 credits
Grade: 10-12 Prerequisites: None
Note: Special Fee of $30 to cover cost of participation in a Career Technical Student Organization (HOSA) and materials/certification for American Heart Association CPR Certification.

This course is designed to give students a basic knowledge of history, trends, and career pathways within the healthcare system. , Basic pathologies, medical terminology, and body mechanics will be covered. Students will also investigate medical ethics and skills needed to work as a team in a medical setting.. Students will complete a variety of health science projects that coincide with the HOSA, Ralston High Schools health science club. Students need to be a sophomore, junior, or senior to be in this class.

HEALTH SCIENCES COURSE DESCRIPTIONS CONTINUED

Course Title: Nursing Assisting
Course Number: CE32
Duration: 2 semesters/10 credits
Grade: 10-12 Prerequisites: CE30 and SC02 and must be at least 16 years old.
Note: This course will result in a Certified Nursing Assistant certification. Special Fee of $30 to cover cost of participation in a Career Technical Student Organization (HOSA).

Students will learn how to care for all types of patients or residents in a variety of healthcare settings, with the primary focus of providing activities daily living. Upon successful completion of necessary attendance requirements, skill mastery, and content competency scores, students qualify to take the State of Nebraska Nurse Aide Registry written and skills exam to obtain their Certified Nursing Assistant (CNA) License.

Course Title: Medical Sciences Academy 1 / Anatomy & Physiology
Course Number: CE33/SC05
Duration: 20 credits
Grade: 11-12 Prerequisites: CE30, SC02 or SC03 and SC10 at least 16 years old.
Note: Special Fee: $30 to cover cost of participation in Future Healthcare Professionals (HOSA). Students also take Anatomy AR and Medical Terminology I concurrently with Medical Academy and can earn college credit through MCC and UNO. Students will earn their Certified Nursing Assistant certification.

This is the initial course that is taken as part of the Ralston Medical Academy program. This is for students that are interested in a possible healthcare field. Students will learn care with the primary focus of providing activities of daily living. Upon successful completion of necessary attendance requirements, skill mastery, and content competency scores, students qualify to take the State of Nebraska Nurse Aide Registry written and skills exam to obtain their Certified Nursing Assistant (CNA) License. The opportunity to have exposure to a metro healthcare facility will occur during this course. Students must be 16 years of age or older to take this course. Students in this Academy must be enrolled in Human Anatomy/Physiology DC concurrently.

Course Title: Medical Sciences Academy 2/Medical Sciences Academy 3 DC
Course Number: CE34/CE37
Duration: 40 credits (Take concurrently with AP Biology & Medical Terminology I and II
Grade: 12th Prerequisites: CE33 or CE32, SC05 or SC01
Note: Special Fee: $30 to cover cost of participation in Future Healthcare Professionals (HOSA). Students will also enroll in AP Biology and Medical Terminology II.

This observational studies course meets M – F at various clinical rotations in the Omaha area to complete job shadowing, observational, and demonstrative CNA skills in a wide range of healthcare occupations. Successful completion of Medical Sciences Academy I will have priority placement.

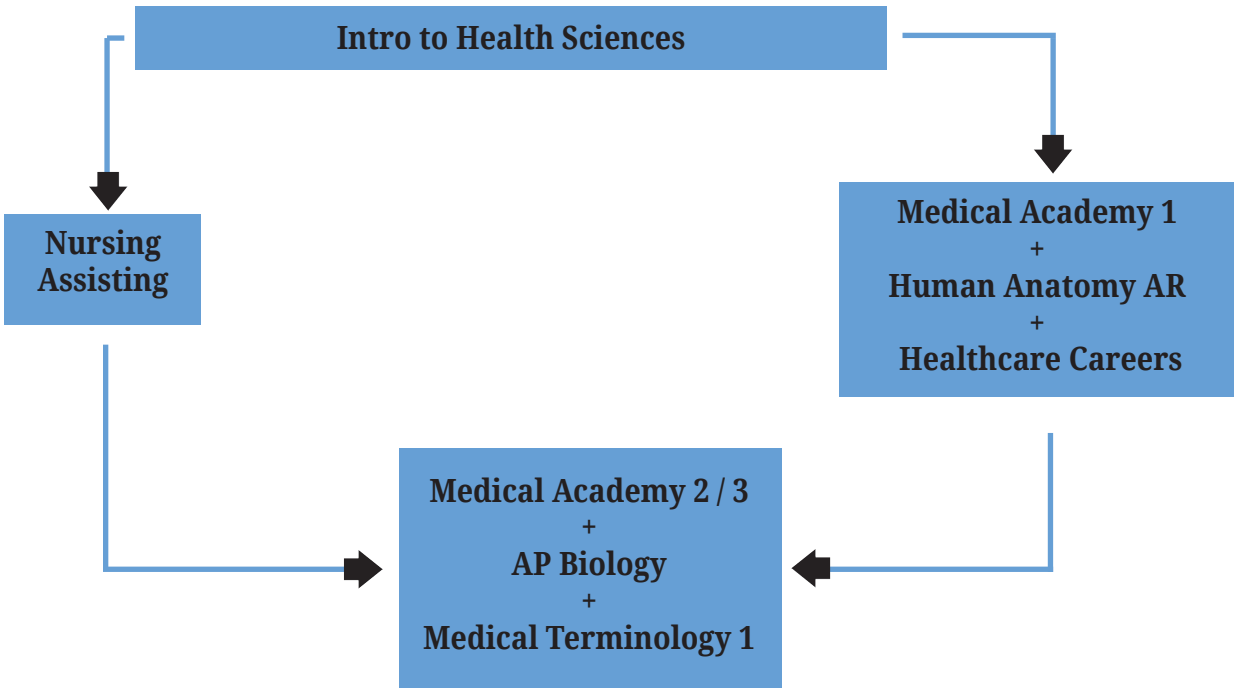
HEALTH SCIENCES COURSE DESCRIPTIONS CONTINUED

Course Title: Medical Terminology I
Course Number: CE36 Duration: 1 semester/5 credits
Grade: 12 Prerequisites: CE33 and SC05
Note: This course is taken concurrently with Medical Academy II. This course is available for dual credit through Metro Community College. Special Fee of $30 to cover cost of participation in a Career Technical Student Organization (HOSA).

This course establishes a solid foundation of prefixes, suffixes, word roots, abbreviations, medical terms, and symbols. It emphasizes understanding medical vocabulary as it applies to the anatomy, physiology, pathology, diagnostic procedures, and therapeutic procedures of the human body. Students participate in an in-depth study of the terms, as well as correct spelling and pronunciation to be prepared to enter their professions in the healthcare field. This course is for students in the RHS Medical Academy program and is only available as Dual Enrollment Credit as HIMS1120 through MCC.

Course Title: Healthcare Careers
Course Number: CE38 Duration: 1 semester/5 credits
Grade: 11
Note: This course is available for dual credit through Metro Community College (MCC HIMS 1111).
This course provides an overview of the healthcare field. Topics include healthcare delivery systems, history of healthcare, careers in healthcare, personal qualities of healthcare workers, principles of teamwork, time management, human growth and development, cultural diversity, safety issues, and computer technology in healthcare settings. Current issues in healthcare are addressed in order to enrich students' understanding and breadth of knowledge of the U.S. healthcare system and the roles and functions of various healthcare professionals.

SEQUENCE



EDUCATION & TRAINING / HUMAN SERVICES

COURSE LISTING

Course	Course Name	Graduation Requirement	Grades	Prerequisites	Credits	Possible Dual Credit/ AP
CE15	Human Growth & Development		9-12		5	
CE14	Introduction to Human Sciences/FACS		9-12		5	
CE24	Child Development		10-12		5	
CE27	Introduction to Education and Training		9-12	Recommend CE15	5	
CE29/CE28	Best Practices in Education & Training/ Future-Teacher Internship	Capstone	11-12	CE27	10	MCC# EDEC1100 UNO#TED 1010
CE25/CE26	Best Practices in Early Childhood Education/ Future - ECE Internship		11-12	CE27 or CE15	10	Safe with Your Certification
CE39	Human Services/FACS Work Based Learning	Capstone	12		5	
CE08	Families in Crisis		10-12		5	

COURSE DESCRIPTIONS

Course Title: Human Growth & Development
Course Number: CE15
Duration: 1 semester/5 credits
Grade: 9-12

This course explores the physical, emotional, social, and intellectual development of individuals across the lifespan. Students will also explore external impacts on development including family structure and practices, social and technological forces, and resources available to individuals and their outcomes. Students will interview adults in different stages of life and will apply concepts learned in class when conducting interviews. Special Fee of $30 to cover cost of participation in a Career Technical Student Organization (Educators Rising).

Course Title: Intro to Human Sciences/FACS
Course Number: CE14
Duration: 1 semester/5 credits Grade: 9-12

Students will gain insight into how different families and individuals may approach life tasks and activities in a variety of ways. This will help students better understand how families and individuals approach life differently, laying the groundwork for a career in family and consumer science. Students will explore career possibilities and the inner-workings of a family's budget, meal plan, design of living spaces, and home related tasks through hands-on, classroom instruction. Special Fee of $30 to cover cost of participation in a Career Technical Student Organization (SkillsUSA or FCCLA).

Course Title: Child Development
Course Number: CE24
Duration: 1 semester/5 credits
Grade: 10-12 Prerequisites: CE15 or CE14

The study of parenting, child development from the prenatal stage to kindergarten and child development careers. Students will observe children at sites to observe developmental milestones and concepts learned in the course. Real Care Baby Simulators will also be used in this course as part of the unit addressing infant care. Special Fee of $30 to cover cost of participation in a Career Technical Student Organization (Educators Rising).

Course Title: Introduction to Education & Training
Course Number: CE27
Duration: 1 semester/5 credits
Grade: 9-12 Prerequisites: CE15 recommended

Explore interest in careers in education and/or child care industries. Learn about the history of education in America, analyze the impact of current education and training trends, governance and finance structures in schools and how instructional philosophies impact student engagement. Students enrolled in Education Courses will participate in the Educators Rising CTSO, and will participate in a variety of out-of-class learning opportunities.

Course Title: Best Practices in Education & Training
Course Number: CE29
Duration: 1 semester/5 credits
Grade: 11-12 Prerequisites: CE27 and CE 15
Note: Special Fee of $30 to cover cost of participation in a Career Technical Student Organization (Educators Rising).

This intermediate course will focus on best practices in education building on concepts from the introductory courses. Topics covered include instructional and assessment methods, differentiated instruction, development of communication skills necessary for educators, and instruction planning. Knowledge and skills will be applied within a structured work-based learning experience, which may take place in a school, community, or business and industry setting. The focus of the hands-on experience will be immersion in an educational setting.

Course Title: Best Practices in Early Childhood Education
Course Number: CE25/CE26
Duration: 1 semester/5 credits
Grade: 11-12
Prerequisites: CE15 & CE24

This intermediate course will focus on assessment, observation, and curriculum within early childhood education building on concepts from the introductory course and Child Development. Topics covered include assessing children from birth to eight years of age, observing aspects of development, analyzing observational data, and creating inclusive early childhood education environments that are safe, responsive, and nurturing. Knowledge and skills will be applied within a structured work-based learning experience. The focus of the hands-on experience will include active engagement in various early childhood education programs.

Course Title: Human Services/FACS Work Based Learning (Future-Teacher Internship)
Course Number: CE28
Duration: 1 semester/5 credits Grade: 11-12 Prerequisites: CE27
Note: Taken concurrently with CE29 and available to take for credit through UNO or MCC.
Special Fee of $30 to cover cost of participation in a Career Technical Student Organization (Educators Rising).

This capstone course will focus on the thought processes needed in education building on concepts from the introductory and intermediate courses. Topics covered include ethics in education, instructional strategies, equitable learning opportunities, and effective, inclusive communication. Knowledge and skills will be applied within a structured work-based learning experience, which may take place in a school, community, or business and industry setting. The focus of the practicum experience will be on the improvement of instructional strategies.

Course Title: Families in Crisis
Course Number: CE08
Duration: 1 semester/5 credits Grade: 10-12 Prerequisites: CE14 or CE15
Special Fee of $30 to cover cost of participation in a Career Technical Student Organization (Educators Rising, SkillsUSA, or FCCLA).

Explore the impact of crisis situations on families with regards to stress, changes in the family life cycle, grief and loss, and mental health disorders. Find out more about services available to support families in times of crisis, while developing foundational knowledge and skills. Course content will feature integrated community resources and specialists to provide information and insight into how to help best support struggling families.

SEQUENCE

Education & Training

Intro to Education & Training and Human Growth & Development

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Best Practices in Education

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Future Teacher Internship

Counseling and Mental Health

Human Growth & Development OR Intro to Human Science/FACS

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Families in Crisis

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AP Psychology

SKILLED AND TECHNICAL SERVICES

COURSE LISTING

Course	Course Name	Graduation Requirement	Grades	Prerequisites	Credits	Possible Dual Credit/AP
CE51	Introduction to Woods Manufacturing		9-12		5	
CE52	Woods 2 Manufacturing		10-12	CE51	5	
CE53	Advanced Woods	Capstone	11-12	CE51, CE52	5	
CE50	Construction Trades		9-12	CE51	5	
CE55	Advanced Construction		10-12	CE50	5	
CE61	RHS Construction Crew	Capstone	11-12	CE50 & CE55	5	
CE41	Automotive Maintenance		9-12		5	
CEAA	Automotive Technology 1		10-12	CE41	10	
CEAB/ CEBB	Automotive Technology 2 / Internship	Capstone	11-12	CEAA	10 OR 20	

COURSE DESCRIPTIONS

Course Title: Introduction to Woods Manufacturing:
Course Number: CE51
Duration: 1 semester/5 credits
Grade: 9-12 Prerequisites:
Note: A lab fee of $30.00 is required for student projects and cost of participation in a Career Technical Student Organization (SkillsUSA).

This is a beginning level woodworking course that provides hands-on experience for the students. The students will work towards mastery level skill when measuring to 1/16". They will learn proper use and safety procedures for hand tools, equipment and machine tool operations. The student will create multiple projects in this class.

Course Title: Woods 2 Manufacturing
Course Number: CE52 Duration: 1 semester/5 credits
Grade: 10-12 Prerequisites: CE51
Note: A lab fee of $30.00 is required for student projects and cost of participation in a Career Technical Student Organization (SkillsUSA).

This course builds on the concepts and skills that were introduced in Introduction to Woods. Students will demonstrate mastery skills and be responsible for calculating materials and cost. Students will build multiple projects in class. A project fee of $30.00 is required for student projects.

Course Title: Advanced Woods Manufacturing
Course Number: CE53 Duration: 1 semester/5 credits
Grade: 11-12 Prerequisites: CE51 and CE52
Note: Projects may be off campus (transportation is strongly encouraged). A fee of $30.00 is required for participation in a Career Technical Student Organization (SkillsUSA).

Students will demonstrate mastery of advanced project planning skills along with continued machine operation and safety. The class will work on a group project. Areas of exposure may include but are not limited to: Framing, Siding, Roofing, Concrete. Membership in SkillsUSA is mandatory. Individual projects will be discussed in advance with fees assigned accordingly prior to work beginning.

Course Title: Construction Trades
Course Number: CE50 Duration: 1 semester/5 credits Grade: 9-12 Prerequisites: CE51

This course exposes students to various trades in the construction career field. Students will build on introductory skills and technical knowledge in areas of safety, industry standards, materials, processes, and understanding through hands-on experiences. Areas of exposure may include but are not limited to: Framing, Roofing, Drywall, Plumbing, Electrical, and Welding. A lab fee of $30.00 is required for student projects.

Course Title: Advanced Construction
Course Number: CE55
Duration: 1 semester/5 credits Grade: 10-12 Prerequisites: CE50

Advanced Construction course provides students with an in-depth study of construction principles, practices, and technical skills, including advanced blueprint reading, complex framing techniques, detailed design elements, building code applications, project management, and hands-on experience with specialized tools and materials, often going beyond the basic concepts covered in a standard construction class, preparing students for potential careers in the construction industry or further education in construction-related fields.

Course Title: RHS Construction Crew
Course Number: CE61 Duration: 1 semester/5 credits
Grade: 11-12 Prerequisites: CE50 & CE55
Note: This is a capstone course. A lab fee of $30.00 is required for student projects and cost of participation in a Career Technical Student Organization (SkillsUSA).

Allow students the opportunity to get real world construction experience in a true job site setting. Key concepts include estimating jobs, filing for permits, real world hands on construction experience, working with inspections, and profit and loss statements. Students will work on various job sites in the community to obtain hands-on experience in construction.

Course Title: Automotive Maintenance
Course Number: CE41
Duration: 1 semester/5 credits
Grade: 9-12
Note: A lab fee of $30.00 is required for student projects and cost of participation in a Career Technical Student Organization (SkillsUSA).

This class is designed to provide all drivers with fundamental knowledge and experience in owning and maintaining an automobile. Students will learn how to perform basic services to their vehicle such as changing oil, putting on a spare tire, rotating tires, and checking fluids, belts, hoses, filters, wipers, tires, and lights.

Course Title: Automotive Technology Year 1
Course Number: CEAA
Duration: 2 semesters/10 credits
Grade: 11-12 Prerequisites: CE41
Note: A lab fee of $30.00 is required for student projects and cost of participation in a Career Technical Student Organization (SkillsUSA).

The Automotive Technology Academy is a 1-year program that helps students develop skills needed to be successful in the automotive service industry. After an introduction to the industry, students in Year 1 of the Academy will learn theory, diagnosis, and service procedures related to engines, brake systems, suspension and steering. The primary source of learning is through hands-on tasks, although lectures, demonstrations, and online training are included.

Course Title: Automotive Technology Year 2 / Internship
Course Number: CEAB
Duration: 2 semesters/10 credits
Grade: 11 or 12 Prerequisites: CEAA
Note: Auto Internship is required to take concurrently with this class. Students will be responsible to provide their own transportation for the internship. A lab fee of $30.00 is required for participation in a Career Technical Student Organization (SkillsUSA).

Students in Year 2 of the Automotive Technology Academy will have the opportunity to participate in a year long industry-sponsored internship to apply what they've learned through their coursework.

Course Title: Automotive Internship
Course Number: CEBB
Duration: 2 semesters/10 credits
Grade: 12 Prerequisites: CEAA (CEAB can be taken concurrently if in Grade 12)
Note: Auto Internship is required to take concurrently with CEBB. Students will be responsible to provide their own transportation for the internship. A fee of $30.00 is required for participation in a Career Technical Student Organization (SkillsUSA).

Students in Year 2 of the Automotive Technology Academy or who have completed Year 2 will have the opportunity to participate in a year long industry-sponsored internship to apply what they've learned through their coursework.

SEQUENCE

TDL Technician

Automotive Maintenance

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Automotive Academy 1

↓

Automotive Academy 2

Manufacturing

Introduction to Woods / Manufacturing

↓

Woods 2 Manufacturing

↓

Advanced Woods Manufacturing

Construction

Construction Trades

↓

Advanced Construction

↓

RHS Construction Crew

AGRICULTURE, FOOD, NATURAL RESOURCES

COURSE LISTING

Course	Course Name	Graduation Requirement	Grades	Prerequisites	Credits	Possible Dual Credit/AP
CE54/CE56	Introduction in Agriculture I / Intro to Ag II		9-12		5/5	
CE58	Animal Science		10-12	CE54	5	
CE63	Small Animal Management	Capstone	10-12	CE58	5	
CE57	Plant Science		10-12	CE54	5	
CE59	Nursery Management	Capstone	10-12	CE57	5	
CE60	Agriculture Leadership & Communication		10-12	CE54	5	

COURSE DESCRIPTIONS

Course Title: Introduction to Agriculture, Food, and Natural Resources:
Course Number: CE54
Duration: 2 semesters/10 credits
Grade: 9-12 Prerequisites: None

The introductory course for the Agriculture, Food and Natural Resources Career Cluster. We will focus on the fundamentals of the agriculture industry including how our food is raised/grown, processed, and transported to consumers. Students will be provided guidance in the establishment of a Supervised Agricultural Experience (SAE) Project, and develop technical career skills utilized in various parts of the agriculture industry. As well as discuss how students will be able to take their learned knowledge & skills to become leaders in their community & future industry through FFA.

Course Title: Introduction to Agriculture II
Course Number: CE56
Duration: 1 semester/5 credits
Grade: 9-12 Prerequisites: CE54

Ag II is second semester of Introductory Agriculture-introduces students to more in depth study of agricultural and animal based principles and the FFA requirements.

Course Title: Animal Science
Course Number: CE58
Duration: 1 semester/5 credits
Grade: 10-12 Prerequisites: CE54
Note: A special fee of $30.00 is required for participation in a Career Technical Student Organization (FFA).

This semester-long course focuses on the basic scientific principles and processes that are involved in animal physiology, breeding, nutrition, and care in preparation for an animal systems career. Topics include animal diseases, introduction to animal science, animal nutrition, animal science issues, career opportunities and animal evaluation. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Course Title: Small Animal Management
Course Number: CE63
Duration: 1 semester/5 credits
Grade: 10-12 Prerequisites: CE58
Note: This is a capstone course. A special fee of $30.00 is required for participation in a Career Technical Student Organization (FFA).

This semester-long course focuses on advanced scientific principles and communication skills that build on the knowledge and skills learned in Animal Science. Topics covered include breeding, grooming, care and marketing of companion animals. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

AGRICULTURE, FOOD, NATURAL RESOURCES CONTINUED

Course Title: Plant Science
Course Number: CE57
Duration: 1 semester/5 credits
Grade: 10-12 Prerequisites: CE54
Note: A special fee of $30.00 is required for participation in a Career Technical Student Organization (FFA).

This semester-long course examines the scientific concepts related to plant systems. Students will consider environmental factors on plant growth. In addition students will examine plant classification, anatomy, physiology, and methods of propagation. Students will utilize their learned knowledge to develop a plant production plan & pitch on starting their own plant business which will be funded and facilitated in the capstone course Nursery Management.

Course Title: Nursery Management
Course Number: CE59
Duration: 1 semester/5 credits
Grade: 10-12 Prerequisites: CE57
Note: This is a capstone course. A special fee of $30.00 is required for participation in a Career Technical Student Organization (FFA).

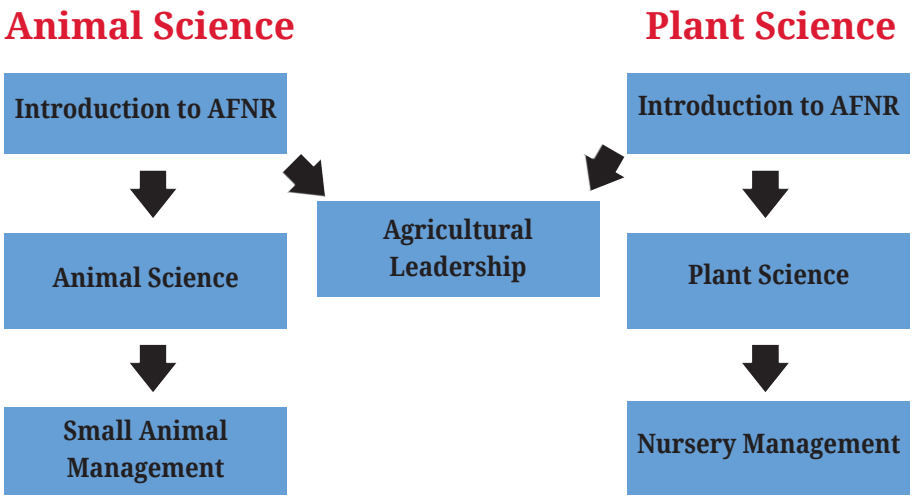
This is a semester-long course that will take information & skills learned in Plant science to the next level. Students will facilitate their production plan in our school greenhouse to learn more about management & marketing practices in the Nursery Industry. We will explore advanced production facilities & practices through industry tours, guest speakers, internships, experiential learning & class materials.

Course Title: Agriculture Leadership & Communication
Course Number: CE60
Duration: 1 semester/5 credits
Grade: 10-12 Prerequisites: CE54
Note: A special fee of $30.00 is required for participation in a Career Technical Student Organization (FFA).

This is a semester-long course that focuses on developing leadership & communication skills through experiential learning & self-reflection. We will utilize learned material from key agricultural topics to create digital & physical media for public & professional workspaces. Students will communicate with the community & industry partners to develop & execute a planned service learning project. As well as discuss how changes are made to agricultural policy by drafting & presenting mock constitutional/ bylaw changes of an organization using parliamentary procedure.

AGRICULTURE, FOOD, NATURAL RESOURCES CONTINUED

SEQUENCE



CUSTOMIZED PATHWAY INTERNSHIPS & OTHER PROGRAMMING

COURSE LISTING

Course	Course Name	Credits	Grades	Prerequisites	Dual Credit	Location	Date/Times
CE39	Career Pathway Internship AR	5-10	12	Approval by Career Education Coordinator		Internship Site	Determined with site
CE35	UNMC Alliance AR	40	11-12	Application in School Counseling Office		UNMC Campus	Daily 1-3 pm (Periods 3-5)
Z800	MCC Jumpstart Transfer	HS-30 College - 27	12	Application in School Counseling Office	MCC# (based on selections)	MCC Sarpy	Daily 7:45 to 9:30 am or 1:00 to 3:00 pm
Z820	MCC Jumpstart Law and Public Safety Program	HS-30 College - 27	12	Application in School Counseling Office	MCC# (based on selections)	MCC Sarpy	Daily 7:45 to 9:30 am
Z840	MCC Jumpstart Computer Programming	HS-30 College-27	11-12	Application in School Counseling Office	MCC# (based on selections)	MCC Sarpy	1:00-3:00pm
Z801	MCC Kickstart	College	11-12	Application in School Counseling Office	MCC# (based on selections)	Online	Asynchronous
Z802	MCC CollegeNow!	College	11-12	Application in School Counseling Office	MCC# (based on selections)	MCC Site	Approximately 12:30-3:30 pm

COURSE DESCRIPTIONS

Career Pathway Internship: Provides on-the-job-training in career areas based on a student's career program of study interest. Students will be expected to develop a career portfolio, provide their own transportation for these off-site internships, and adhere to Ralston Public Schools work-based learning policies. Prior to entering the internship, students must fill out an application and interview with the Career Education Coordinator.

Please Note: Application Required, available in the School Counseling Office.

Agriculture, Food and Natural Resources
Arts, AV, & Communications
Business, Marketing, & Management
Education & Training
Energy & Engineering
Finance
Government & Public Administration
Health Science
Hospitality & Tourism
Human Services/FACS
Information Technology
Law & Public Safety
Manufacturing
Marketing
Transportation
English/Language Arts
Mathematics
Science
Social Studies

UNMC Alliance AR: The UNMC High School Alliance is a partnership between the University of Nebraska Medical Center and public school districts in the greater Omaha area. It is designed to offer unique and innovative science classes to high school juniors and seniors that are not available in the traditional high school setting. Classes are conducted each day at the UNMC campus from 1:00 – 3:00. Selected RHS students would commit periods 3-5 each day for the year to the courses offered by UNMC staff. Applications are available in the Counseling Office.

MCC JumpStart Transfer Program: The MCC JumpStart Transfer Program is a partnership with MCC and RHS. It is designed to offer the first year of coursework at MCC for general transfer credits. Classes are offered as trimesters in the Fall, Winter and Spring. The courses meet either from 7:45-9:30 or 1:00- 3:00 on campus. Students can complete 30 high school credits and 27 college credits. Please Note: Application Required, class is tuition is free but college fees/books are responsibility of the student. Financial assistance may be available, please visit with a school counselor.

MCC JumpStart Law and Public Safety Program: The MCC JumpStart Law and Public Safety Program is a partnership with MCC and RHS. It is designed to offer the first year of coursework at MCC for Law and Public Safety. Classes are offered as trimesters in the Fall, Winter and Spring. The courses meet from 7:45-9:30 on campus. Students can complete 30 high school credits and 27 college credits. Please Note: Application Required, class is tuition is free but college fees/books are responsibility of the student. Financial assistance may be available, please visit with a school counselor.

CUSTOMIZED PATHWAY INTERNSHIPS & OTHER PROGRAMMING

MCC JumpStart Computer Programming: The MCC JumpStart Programming academy is a partnership with MCC and RHS. It is designed to offer the first year of coursework at MCC for Computer Programming certification. Classes are offered as trimesters in the Fall, Winter and Spring. The courses meet from 1:00-3:00 on campus. Students can complete 30 high school credits and 27 college credits. There is a second year option for this academy. Please Note: Application Required, class is tuition is free but college fees/books are responsibility of the student. Financial assistance may be available, please visit with a school counselor.

Avenue Scholars: Paid, on-the-job-training in business operations, auto/diesel, information technology, or building trades. Students will be expected to provide their own transportation for these off-site internships, and adhere to Ralston Public Schools work-based learning policies. Prior to entering the internship, students must fill out an application online and be accepted by the participating business. Students must also take a concurrent CTE course during their senior year, as well as a Human Relations course in the summer following their Junior year.

METROPOLITAN COMMUNITY COLLEGE CAREER ACADEMIES

Course	Course Name	Credits	Grades	Location
CE70	Auto Collision Technology (2 Year Program)		11-12	Applied Technology Center 10407 State
CE71	Automotive Technology (2 Year Program)		11-12	South Omaha Campus: 27th & Q (Mahoney Building)
CE72	Diversified Manufacturing & Processing Operations		11-12	Fort Omaha Campus: 30th & Fort
CE73	Certified Nursing Assistant		11-12	South Omaha Campus: 27th & Q (Mahoney Building)
CE74	IT Cybersecurity		11-12	Fort Omaha Campus: 30th & Fort
CE75	Criminal Justice		12	Sarpy Center: 91st & Giles
CE76	Construction Technology (2 Year Program)		11-12	Fort Omaha Campus: 30th & Fort
CE77	Diesel Technology (2 Year Program)		11-12	Applied Technology Center 10407 State
CE78	Digital Cinema-Filmmaking		11-12	Elkhorn Valley Campus 204th & Dodge
CE79	Early Childhood Education		12	Learning Community of North Omaha 24th & Franklin
CE80	Electrical Technology (2 Year Program)		11-12	Fort Omaha Campus: 30th & Fort
CE81	Emergency Medical Technician		12	South Omaha Campus: 27th & Q (Mahoney Building)
CE82	Information Technology Data Center Operations		11-12	Fort Omaha Campus: 30th & Fort
CE83	Fire Science Technology (2 Year Program)		11-12	Applied Technology Center 10407 State
CE84	Civil Engineering Technology		12	Fort Omaha Campus: 30th & Fort, Construction Education Center
CE85	Theatre Technology (2 Year Program)		11-12	The Omaha Community Playhouse 6915 Cass St.
CE86	Architecture Technology		12	Fort Omaha Campus: 30th & Fort, Construction Education Center
CE87	Welding and Fabrication Technology (2 Year Program)		11-12	Fort Omaha Campus: 30th & Fort, Construction Education Center
CE88	Pre-Apprentice Plumbing		11-12	Fort Omaha Campus: 30th & Fort, Construction Education Center
CE89	HVAC Technology (2 Year Program)		11-12	Fort Omaha Campus: 30th & Fort, Construction Education Center
CE90	Prototype Design (2 Year Program		11-12	Fort Omaha Campus: 30th & Sorenson CAET Bldg.
CE91	Utility Line Technician		11-12	Applied Technology Center 10407 State
CE92	3-D Animation & Games		11-12	Elkhorn Valley Campus 204th & Dodge
CE93	Office Administrative Professional (2 Year Program)		11-12	Sarpy Center: 91st & Giles
CE96	Full Stack Web Development		11-12	Elkhorn Valley Campus 204th & Dodge
CE97	Horticulture, Land Systems and Management (2 Year Program)		11-12	Fort Omaha Campus: 30th & Fort
CE98	Culinary Arts Foundations		11-12	Fort Omaha Campus: 30th & Fort

METROPOLITAN COMMUNITY COLLEGE CAREER ACADEMIES

MCC Career Academies

MCC Career Academies are programs available to RHS students to assist them in becoming "College & Career Ready." The career academies are designed to provide high school juniors and seniors with opportunities to explore various Career Fields prior to high school graduation so students can make more informed career decisions. Academy programs are limited in size and require advanced application.

See your school counselor for application and recommendation forms. Students who participate in the academy programs will need to commit half a day to the college experience (Periods 3 - 5) and have reliable transportation available to them. Students should see their school counselor for more specific information about the courses that comprise each academy program: times, locations, uniforms and supplies for courses will vary.

RHS students will earn both credits for college and high school graduation by participating in an academy program. A student's college GPA will begin with the letter grades earned in these classes. High school grades will be posted on a pass/no pass basis and not impact a student's high school GPA. Please Note: Application Required, class is tuition is free but college fees/books are responsibility of the student. Financial assistance may be available, please visit with a school counselor.

Auto Collision Technology: Applied Technology Center (10407 State)
Two Year Program Option
Year 1: Structural Repair 1; Auto Collision Repair Welding; Collision Estimating 1; Automotive Finishing 1; Structural Repair 1
Year 2: Non Structural Repair 2; Automotive Refinishing 2; Non Structural Repair 3

Automotive Technology: South Omaha Campus (27th & Q, Mahoney Building)
Two Year Program Option
Year 1: Intro to Auto Service & Minor Repair; Power Train Repair 1; Automotive Electricity & Electronics 1; Automotive Electricity & Electronics 2; Power Train Repair 2; Brake Repair 1
Year 2: Brake Repair 2; Automotive Electricity & Electronics 3; Heating and Air Conditioning 1; Power Train Repair 3; Engine Mechanical Service; Suspension Systems

Diversified Manufacturing & Processing Operations: Fort Omaha Campus (30th & Fort)
Problem Solving; Introduction to Process and Power Operations; Safety Topics for Process and Power Operations; Basic Electricity for Power and Process; Internship; Employability Skills for Power and Process

Certified Nursing Assistant: South Omaha Campus (27th & Q, Mahoney Building)
Cardiopulmonary Resuscitation; Medical Terminology 1; Community Emergency Response Team; Medical Terminology 2; Long Term Care/Certified Nursing Assistant; Employability Skills; Clinicals

IT Cybersecurity: Fort Omaha Campus (30th & Fort)
Networking Essentials; Windows Operating System 1; Network Infrastructure; Network and Information Security Basics; Information Systems, Forensics, and Legal Topics; Linux Operating System 1

Criminal Justice: Sarpy Center (91st & Giles)
Introduction to Criminal Justice; Introduction to Corrections; Courts and the Judicial Process; Police and Society; Community-Based Corrections; Community Relations

METROPOLITAN COMMUNITY COLLEGE CAREER ACADEMIES

Construction Technology: Fort Omaha Campus (30th & Fort)
Two year Program Option
Year 1: Introduction to Construction Industry; Introduction to Carpentry; Heartsaver First Aid with CPR & AED; Construction Safety; Exterior Finish Year 2: Floor, Wall, Stair & Ceiling Framing; Roof Framing; Introduction to Masonry, Internship

Diesel Technology: Applied Technology Center (10407 State)
Two Year Program Option
Year 1: Basics of Diesel Mechanics (Summer Course); Diesel Engine Fundamentals; Heavy Duty Drivetrain
Year 2: Steering & Suspension; Combination Welding; Diesel Internship 1; Electricity & Electronics; Truck ABS & Brakes; Climate Control/Heating & Air Conditioning

Digital Cinema-Filmmaking: Elkhorn Valley Campus (204th & Dodge)
Moving Image Lab; Introduction to Scriptwriting; Video 1 - Studio; Video 2 - Field; Art in Film

Early Childhood Education: Learning Community of North Omaha (24th & Franklin)
Expressive Arts; Observation, Assessment and Guidance; Infant/Toddler Development; Introduction to Early Childhood Education; Children's Health and Nutrition; Expressive Art

Electrical Technology: Fort Omaha Campus (30th & Fort)
Two Year Program Option
Year 1: Basic Electricity; Residential Wiring; Blueprint Reading; National Electrical Code
Year 2: Commercial Wiring; Commercial Wiring 2; Heartsaver First Aid with CPR & AED; Construction Safety, Electric Service & Installation

Emergency Medical Technician: South Omaha Campus (27th & Q, Mahoney Building)
Emergency Medical Technician 1; Medical Terminology 1; Cardiopulmonary Resuscitation; Medical Terminology 2; Employability Skills

Information Technology Data: Fort Omaha Campus (30th & Fort)
Windows Operating System 1; Networking Essentials; Intro to Data Center Operations; Linux Operating Systems 1; Data Center Technician 1

Fire Science Technology: Applied Technology Center (10407 State)
Two Year Program Option
Year 1: Principles of Emergency Services; Fire Behavior & Combustion; Occupational Safety & Health for Emergency Services; Principles of Fire & Emergency Services Safety & Survival; Fire Protection Systems; Fire Prevention, Inspection & Codes
Year 2: Legal Aspects of Emergency Services; Incident Command System; Building Construction for Fire Protection; Fire Investigation 1; Selected Topics in Fire Science; Hazardous Materials Operations

Civil Engineering Technology: Fort Omaha Campus (30th & Fort, Construction Education Center)
AutoCAD Essentials; AutoCAD Civil 3D Fundamentals; Civil Engineering Fundamentals; Civil Site Design

METROPOLITAN COMMUNITY COLLEGE CAREER ACADEMIES

Theatre Technology: The Omaha Community Playhouse (6915 Cass)
Two Year Program Option
Year 1: Theater Technology 1; Theater Technology 2; Theater Technology 3; Cooperative Study 1-3;
Year 2: Stage Rigging; Principles of Stage Lighting; Cooperative Study 5-7

Architecture Technology: Fort Omaha Campus (30th & Fort, Construction Education Center)
AutoCAD Essentials; Beginning REVIT; Intermediate REVIT; Wood Frame Architecture

Welding and Fabrication Technology: Fort Omaha Campus (30th & Fort Construction Education Center)
Year 1: Industrial Cutting Processes; Gas Metal Arc Welding (MIG) - Steel 1; Oxy Fuel Welding; Gas Tungsten Arc Welding (MIG)-Steel 1; Shielded Metal Arc Welding (SMAW); Introductory Fabrication; Special Topics in Welding - Skills USA Training 1
Year 2: Classes are determined by student interest

Pre-Apprentice Plumbing: Fort Omaha Campus (30th & Fort, Construction Education Center)
Introduction to Plumbing; Basic Residential Plumbing; Basic Commercial Plumbing; Construction Safety; Heartsaver First Aid with CPR and AED

HVAC Technology: Fort Omaha Campus (30th & Fort, Construction Education Center)
Two Year Program Option
Year 1: HVACR Electrical & Components; HVACR Shop Practices; Introduction to HVACR Principles & Theory
Year 2: Heating System Fundamentals; Sheet Metal Fundamentals 1 & 2; Commercial Refrigeration Installation & Service

Prototype Design: Fort Omaha Campus (30th & Sorensen CAET Bldg)
Two Year Program Option
Year 1: Intro to Prototype Design; How to Build Almost Anything; Digital Electronics in Prototyping; Prototyping with SolidWorks; Prototyping the Internet of Things; Intermediate SolidWorks
Year 2: Classes are based on student interest

Utility Line Technician: Applied Technology Center (10407 State St.)
Ropes, Rigging, and Safety; Electricity; Underground Distribution 1; Transformer Theory; Underground Distribution 2

3-D Animation & Games: Elkhorn Valley (EVC) - (204th & Dodge)
Intro to 3-D Modeling & Animation; Intro to the Game Industry; 3-D Modeling for Animation & Games; 3-D games Development; 3-D Lab; Game Design Fundamentals

Office Administrative Professional: Sarpy Center (SRP) - (91st & Giles)
Two Year Program Option
Year 1: Information Systems and Literacy; Business Office Communications; Customer Service Skills; Skillbuilding; Microsoft Word; Spreadsheets; Document Processing
Year 2: Database Fundamentals; Business Presentation and Publication; Records Management; Professional Practices; Workplace Technologies; Business Math; Business Writing; Human Relations Skills

METROPOLITAN COMMUNITY COLLEGE CAREER ACADEMIES

Full Stack Web Development: Elkhorn Valley (EVC) - (204th & Dodge)
Students will learn HTML, CSS, JavaScript, Java for desktop and server-side development, ASP.NET development with C-Sharp. Students will be introduced to Amazon Web Services (AWS).

Horticulture, Land Systems and Management: Fort Omaha Campus (30th & Fort)
Year 1: Introduction to Horticulture; Plant Physiology; HLSM Orientation; Pomology; Turfgrass and Landscape Maintenance
Year 2: Perennials; Entomology; Plant Propagation; Intro to Floral Design; Intro to Landscape Design; Olericulture

Culinary Arts Foundations: Fort Omaha Campus (30th & Fort, Institute for the Culinary Arts)
Students who successfully complete all courses are eligible to receive a Career Certificate in Culinary Arts Foundations. (CAFSD)

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