

Nevada High School



COURSE GUIDE
2025 - 2026

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INTRODUCTION

The 2025-2026 Course Guide is designed to assist you in making course selections that will affect your future. The 2025-2026 school year will offer students the opportunity to have a blended schedule of blocked and/or period courses. This structure provides students the opportunity to expand their horizons by enrolling in additional courses and provides individualized paths to graduation. We are proud of our curriculum, offering, and staff who have put the time into creating great learning opportunities for students. We believe the materials in this book describe a program that can meet the diverse needs of our students and one that will also prepare them to meet the challenges of the 21st Century.

For this course guide to meet your needs, you need to use it wisely. Please consider your interests, aptitudes, and educational goals before you select your course of study. Also, keep in mind graduation requirements and check to see if the course is offered as a period, which is 1 period for an entire semester or year, or blocked, which is 2 periods for a term or semester.

The selection of courses and the development of your high school academic plan is a very important part of any student's education. The decisions made today can have a definite impact upon educational and career plans. Accordingly, we want to stress the importance of this whole process.

You are encouraged to contact your counselor if you have any questions or concerns regarding course offerings or graduation requirements. In addition to these requirements, students should check with the counselor regarding entrance requirements at various post-secondary institutions.

There are a few steps involved in planning next year's program:

1. Orientation - Learning about the various courses and learning opportunities offered at NHS.
2. Registration - Students indicate which courses they are interested in taking, which provides information when making the master schedule.
3. Scheduling - Students have the opportunity to schedule individually to ensure they get courses that most interest them and fit their needs.

During the third term, registration information will be distributed to students in grades 8-11. Within the next few months, you will be making your choices, almost eight months before the start of the new school year. Since the choices you make will determine the courses we offer and the staff we provide, you need to register with care.

Once we determine our course and staff needs, we are committed; schedule changes will be very difficult, if not impossible to accommodate.

If you have questions about registration procedures or your specific educational plan, please contact your counselor.

Best wishes for a great 2025-2026 school year.

Dr. Kristian Einsweiler
Nevada High School Principal

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EQUITY STATEMENT

It is the policy of the Nevada Community School District not to discriminate on the basis of race, color, national origin, gender, disability, religion, creed, age (for employment), marital status (for programs), sexual orientation, gender identity and socioeconomic status (for programs) in its educational programs and its employment practices. There is a grievance procedure for processing complaints of discrimination. Any person inquiring about or seeking assistance with the District's compliance with equity regulations may contact the Equity Coordinator: Kody Asmus Associate Superintendent of School Improvement – kasmus@nevadacubs.org / (515) 382-2783. Complaints can also be directed to the Iowa Civil Rights Commission, 400 E. 14th Street, Des Moines, IA 50319-1004, (515) 281-4121, or Region VII Office for Civil Rights, Citigroup Center 500 W. Madison Street, Suite 1475 Chicago, IL 60661-4544.

INTERPRETER SERVICES - SPEAKING

It is the policy of the Nevada Community School District to provide interpreter services of the content of the course guide for individuals with limited English speaking abilities. Individuals in need of interpreter services may contact Nevada High School Principal, Kristian Einsweiler - keinsweiler@nevadacubs.org - (515) 382-3521.

SERVICIOS DE INTÉRPRETE - HABLANDO

La política del Distrito Escolar de la Comunidad de Nevada es proporcionar servicios de interpretación del contenido de la guía del curso para personas con habilidades limitadas de habla inglesa. Las personas que necesitan servicios de intérpretes pueden comunicarse con el director de la escuela secundaria de Nevada, Kristian Einsweiler - keinsweiler@nevadacubs.org - (515) 382-3521.

INTERPRETER SERVICES - HEARING

It is the policy of the Nevada Community School District to provide interpreter services of the content of the course guide for the hearing impaired. Individuals in need of interpreter services may contact Nevada High School Principal, Kristian Einsweiler - keinsweiler@nevadacubs.org - (515) 382-3521.

REGISTRATION PROCEDURES

1. Please read this manual. As Nevada High School continues to review curriculum, the courses we offer will continue to change and expand.
2. A great deal of planning is done based on your choices. We ask that you register carefully for your classes.
3. Academic schedule changes will only be allowed with administrative approval. Please see "Schedule Changes" for dropping/adding a course.
4. Questions related to scheduling should be directed to the counselor's office.
 - a. The counselor may be reached at (515) 382-3521 or jwesterhoff@nevadacubs.org

COURSE OFFERINGS

Every attempt will be made to teach a class that is listed in this Course Guide. However, the number of students who register for a class can dictate whether the course will be taught or how frequently it will be taught. Decisions relating to specific courses being taught will be made after all students have registered for their classes.

INDEPENDENT STUDY COURSES

Independent study courses will be available to students who desire to explore advanced topics and have a high degree of interest in a subject area. Independent study courses will:

- A. be under the direct supervision of the instructor at least 33 hours per term
- B. have specific outcomes, activities, and assessments, which equate to a “regular” course
- C. earn a grade and a credit and be listed on the transcript
- D. have one or one-half block dedicated to the independent study

SCHEDULE CHANGES

After the initial registration and scheduling, students’ schedule changes may only be made according to the following criteria:

1. Approved level changes by the parent, teacher, and principal.
2. Failure in first, second, third, or fourth term course(s).
3. Computer and/or clerical error - students may check their original registration for mistakes in the office.
4. Special education placement.
5. Seniors who must enroll in a course to meet graduation requirements.
6. Wanting to add or change a course without disturbing the rest of the schedule.
7. The requested change will not be approved if it causes a class to be overfull.

All schedule changes must be made with the academic counselor within the **first five days of the term**. Approval by a parent may be necessary for any addition/deletion of a course.

GRADUATION REQUIREMENTS

The number of credits required to be eligible for a Nevada High School diploma is **53**.

- 32 required courses
- 2025-26 - 21 electives / 2026-27 - 22 electives / 2027-28 - 23 electives / 2028-29 - 24 electives
 - Cub Connection will receive .5 credit each semester.

A credit is defined as a passing grade in a full block for one term (9 weeks) of a given course. Two credits in a class equals one year of coursework (i.e. 2 credits in English 9 = 1 year of English). Credits are required to be earned in the following areas:

Language Arts	8 credits	<ul style="list-style-type: none">- English 9 or Honors English 9- Essentials of Speech Communication (10)- Written Communication (10)- Composition course (11/12)- Literature course (11/12)- One additional language arts course
Math	6 credits	<ul style="list-style-type: none">- Foundations of Math (9)- Algebra 1 (9)- Geometry (10)- Algebra 2 (11)
Physical Education	4 credits	<ul style="list-style-type: none">- One credit per year
Science	6 credits	<ul style="list-style-type: none">- Integrated Science (9)- BioCom, Biology, or Honors Biology (10)- ChemCom, Chemistry, or Honors Chemistry (10)
Social Studies	6 credits	<ul style="list-style-type: none">- World History (9/10) or AP European History (11)- US History (10th or 11th grade)- Psychology or Sociology (10/11/12)- Government (12)
Fine Arts / Career & Technical Education	2 credits	<ul style="list-style-type: none">- Credits may be earned either in Fine Arts, in Career & Technical Education, or a combination of both.

MANDATORY CPR REQUIREMENT – *Starting with the class of 2012 and beyond, the State of Iowa is requiring that all students, prior to graduation, must take a CPR class that can lead to certification. Nevada High School will be offering CPR classes throughout the year, outside the regular school day. Students can provide proof of CPR certification (no older than 2012) in lieu of taking a CPR class with Nevada High School. No high school credit will be awarded for completing this requirement.*

GRADING INFORMATION

GRADING SCALE

Student grades are calculated using the following grading scales. At Nevada High School, the majority of courses utilize a standards based grading approach, but there are some honors and dual credit classes that use a traditional grading scale. These scales are used to determine the letter grade earned in a class.

Grading Scales Utilized at Nevada High School			
Standards Based Grading		Traditional Grading Scale	
A	3.67-4.00	A	93%-100%
A-	3.34-3.66	A-	90%-92%
B+	3.01-3.33	B+	87%-89%
B	2.67-3.00	B	83%-86%
B-	2.34-2.66	B-	80%-82%
C+	2.01-2.33	C+	77%-79%
C	1.67-2.00	C	73%-77%
C-	1.34-1.66	C-	70%-72%
D+	1.01-1.33	D+	67%-69%
D	0.67-1.00	D	63%-66%
D-	0.34-0.66	D-	60%-62%
F	0.00-0.33	F	0%-59%

GRADE POINT AVERAGE - CALCULATION

A student's grade point average is calculated taking their course grade, earned through the aforementioned grading scale, and applying a number to each of those final marks.

A	4.0	B-	2.67	D+	1.33
A-	3.67	C+	2.33	D	1.0
B+	3.33	C	2.0	D-	0.67
B	3.0	C-	1.67	F	0.0

EARLY GRADUATION

It is Nevada High School's goal to make every possible opportunity available to our students. Because of this increased flexibility, some students may choose to graduate early. For this to be an option, the following steps must be followed:

1. Initial meeting with the academic counselor Ms. Westerhoff.
2. Meeting or phone conference with the parents/guardians, Ms. Westerhoff, and Dr. Einsweiler.
3. The student must submit a typewritten letter addressed to the Nevada School Board outlining why they are requesting to graduate early and what their plans are for the future. This letter should be at least 2 paragraphs long, using proper sentence and letter structure.

The letter must be submitted to Ms. Westerhoff, along with this form, within the first five days of the term they plan to graduate.

I, (Printed Name) _____, request permission to complete requirements for graduation at the end of the term indicated below.

Junior	Senior
Graduating Term	✓
End of Term 1	
End of Term 2 / Semester 1	
End of Term 3	
End of Term 4 / Year	

I plan to participate in graduation: Yes No

I understand that I must adhere to the following requirements and regulations:

1. The student will be required to meet all graduation requirements as specified by the School Board Policy of the Nevada Community School District.
2. The student's final class rank will be determined when his/her graduating class completes its 16th term.
3. The student will be considered alumni. Therefore, they will not be permitted to participate in any extra-curricular activities following the completion of graduation requirements. The student, however, will be allowed to participate in prom and graduation upon request.

_____ Student's Signature	_____ Date	_____ Counselor's Signature	_____ Date
_____ Parent's Signature	_____ Date	_____ Principal's Signature	_____ Date

Students must notify the principal by the end of Term 3 if they plan to participate in graduation.

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SENIOR YEAR PLUS REQUIREMENTS

The intent of the Senior Year Plus statute, as developed by the Iowa Department of Education, is to ensure that all students have increased access to courses that have the potential to generate college credit while in high school. In addition to meeting the assessment and prerequisite requirements outlined by the postsecondary institution, the statute requires all students enrolling in college credit courses to be proficient on their ISASP in each of the following three academic areas – reading, math, and science. At Nevada High School, courses that fall under this statute include:

- Post Secondary Enrollment Options Act Courses (PSEO)
 - includes both ISU and DMACC
 - includes both on-campus and online
- DMACC Career Academy Courses (Hunziker Center in Ames)
- Other courses in which college credit is earned in addition to high school credit
 - to be determined case-by-case, following the guidelines of the statute

If a student does not meet the proficiency requirements stated above, the Nevada Community School District might opt to use alternate measures to determine proficiency. A student needs to meet only one of the following alternative measures to be considered proficient:

Nevada High School's Alternate Measures of Proficiency:

1. The student received a “C” or better on their most recent course in the subject area.
2. The student is proficient on the English, Math, or Science portions of the PreACT test or the ACT. Proficiency is a score of 19 or higher.
3. The student is proficient on the Critical Reading or Math portions of the PSAT. Proficiency is a score of 45 or higher. The student would have to show proficiency in science on another measure.
4. For students with Individual Education Plans (IEPs) who do not demonstrate proficiency in one or more of the areas listed above, the IEP team may establish an alternative but equivalent measure of proficiency through the IEP.

COLLEGE CREDIT OPTIONS & GUIDELINES

Nevada High School students have the following options available to earn college credit while in high school.

- **PSEO – Post Secondary Enrollment Option**

- The student applies for and is accepted to take a college class through a post secondary institution (i.e. ISU). Can be taken either on campus or online. *This must be done by the deadline set by each college.*
- A student will not be allowed to take a class through the PSEO option if NHS offers a comparable class (i.e. a ‘Dual Credit’ option). *Note: If a class is offered through the DMACC Online Career Academy (see below), it cannot be taken through PSEO at DMACC.*
- The student must meet all prerequisites for the desired class(es). (i.e. A placement test is required for all math and foreign language classes prior to being enrolled)
- The student must still be scheduled in NHS classes.
- The student must provide his or her own transportation to and from the class.
- Classes will follow the schedule of the college, including on inclement weather days.
- The student will earn 1 NHS credit for every 2 – 4 credit classes taken. The student will earn 0.5 NHS credit for a 1-credit class (i.e. a lab class taken with a lecture section).
- The student must go to the ISU bookstore to pick up the required textbooks once they are registered for the class. The school will pay for the class and the required textbook(s), but any other needed materials/supplies (i.e. consumable art supplies) will be paid for by the student. The textbooks must be returned to the ISU Registrar’s office at the completion of the class, or the student will be billed for them. The student can keep any other supplies they paid for.
- If the student drops or fails the class for any reason, they will be responsible for reimbursing Nevada Community School District the cost of the class, which currently is **\$250**. Once the course is dropped, the student will be required to come to NHS during the class time and will be rescheduled into a NHS class at the earliest opportunity.
- If the NHS term/semester ends on a different date, at the completion of the college class, Juniors and Seniors who have a B- or better in their NHS classes can apply for “open campus” by completing the required form, having it signed by a parent, and turning it into the Guidance Office. If approved, these students will be allowed to leave campus during the time that the college class was scheduled. If not approved, they will need to stay at NHS for the entire day.
- ***Since these classes follow the college semester calendar, final grades are entered into PowerSchool for these classes at the ends of Terms 2 or 4, depending on the semester they are taken.***
- ***All grades and credits earned will be entered on the student’s NHS transcript and calculated into their NHS cumulative GPA and Class Rank.***

- **Concurrent Enrollment – Dual Credit (DC) classes offered at NHS**
 - The student registers for this class at the time of class registration for the following year (usually in February).
 - The student must meet all prerequisites for the desired class(es).
 - Since these classes are online and have flexibility where they are scheduled, the student will be required to have NHS classes in every available period.
 - The student must meet all the requirements for both NHS and the partner institution (usually DMACC) in order to pass the class.
 - If the NHS term/semester ends on a different date, at the completion of the DC class, Juniors and Seniors who have a B- or better in their NHS classes can apply for “open campus” by completing the required form, having it signed by a parent, and turning it into the Guidance Office. If approved, these students will be allowed to leave campus during the time that the college class was scheduled. If not approved, they will need to stay at NHS for the entire day.
 - ***Since these classes are scheduled on Nevada High School's calendar, final grades are entered into PowerSchool for these classes at the end of each term.***
 - ***All grades and credits earned will be entered on the student's NHS transcript and calculated into their NHS cumulative GPA and Class Rank.***

- **DMACC Online Career Academy (DOCA)**
 - The student must register for the class by the deadline set by DMACC.
 - The student must meet all prerequisites for the desired class(es).
 - Since these classes are online and have flexibility where they are scheduled, the student will be required to have NHS classes in every available period.
 - The student will earn 1 NHS credit for every 2 – 4 credit class taken. The student will earn 0.5 NHS credit for a 1 credit class.
 - Textbooks for these classes are mailed to Nevada High School. The student must return the textbook to the NHS Guidance Office immediately at the completion of the class.
 - If the NHS term/semester ends on a different date, at the completion of the DOCA class, Juniors and Seniors who have a B- or better in their NHS classes can apply for “open campus” by completing the required form, having it signed by a parent, and turning it into the Guidance Office. If approved, these students will be allowed to leave campus during the time that the college class was scheduled. If not approved, they will need to stay at NHS for the entire day.
 - If the student drops the class for any reason, the student will be rescheduled into a NHS class at the earliest opportunity.
 - ***Since these classes follow the college semester calendar, final grades are entered into PowerSchool for these classes at the ends of Terms 2 or 4, depending on the semester they are taken.***
 - ***All grades and credits earned will be entered on the student's NHS transcript and calculated into their NHS cumulative GPA and Class Rank.***

- **DMACC Hunziker Center Career Academy**

- The student registers for this class at the time of class registration for the following year.
- Students are encouraged to attend the DMACC Career Academy Orientation.
- The student will earn 2 NHS credits every semester, in addition to the numerous DMACC college credits earned, which vary for each class.
- The student must meet all requirements and prerequisites for the desired class(es). (i.e. Background checks, CPR, etc. for CNA; Instructor interview for Career Work Experience)
- The student must still be scheduled in 2 to 3 blocks of NHS classes, depending on where the Career Academy class is scheduled.
- The student must provide his or her own transportation to and from the class.
- Some of these classes are only a semester long and some are go for the entire school year. A student who is signed up for a year-long class may be dropped from the class in the Spring semester (terms 3-4) if they fail the class or do not pass their NHS classes in the Fall (terms 1-2).
- Classes will follow the schedule of the college, including on inclement weather days.
- If the NHS term/semester ends on a different date, at the completion of the Career Academy class, Juniors and Seniors who have a B- or better in their NHS classes can apply for “open campus” by completing the required form, having it signed by a parent, and turning it into the Guidance Office. If approved, these students will be allowed to leave campus during the time that the college class was scheduled. If not approved, they will need to stay at NHS for the entire day.
- If the student drops the class for any reason, the student will be required to come to NHS during the class time and will be rescheduled into a NHS class at the earliest opportunity.
- ***Since these classes follow the college semester calendar, final grades are entered into PowerSchool for these classes at the ends of Terms 2 and/or 4, depending on the semester(s) they are taken.***
- ***All grades and credits earned will be entered on the student’s NHS transcript and calculated into their NHS cumulative GPA and Class Rank.***

PSEO Courses		Contracted Courses
Supplementary Weighting	Never Eligible	Community college coursework provided to students in grades 9-12 may be eligible for concurrent enrollment and supplementary weighting, but not always. Other postsecondary institutions are never eligible.
Enrollment	Student applies to a postsecondary institution to enroll; course must not be offered by the resident/serving district or be provided through a contract agreement with any community college. See Senior Year Plus Guide Appendix B: Postsecondary institutions potentially eligible to participate.	Student enrolls at school district to take community college coursework. Courses to be offered to high school students by community colleges through concurrent enrollment must be approved by the school board on an annual basis.
Grade Level	Grades 11-12; grades 9-10 gifted and talented students only.	Grades 9-12
Payment	District pays if student passes and completes; otherwise parent/guardian reimburses; Paid no later than June 30 each year. On an open enrolled student, "district" means the receiving district.	District pays regardless if student passes or fails; paid on the time schedule negotiated. On an open enrolled "district" means the resident district for a class eligible for supplementary weighting.
Cost	Actual costs up to \$250 per course.	Cost negotiated by community college and district boards.
Tuition Charge to Students	None, unless the student fails the course or does not complete the course.	None, regardless if the student fails or does not pass the course.
College Credit	Required; course must be nonsectarian.	Required if course eligible for supplementary weighting. Course must be nonsectarian.
High School Credit	Required; credit shall count toward graduation.	Required if course eligible for college credit or for supplementary weighting.
Contractual Agreement Required	No	Yes; Should be established prior to any student enrollment.
Notifications	Postsecondary institution notifies student, parent/guardian if minor, appropriate public school district, and nonpublic school if applicable; notification must include the course, clock hours, and credit hours.	If offered through concurrent enrollment, the district, in collaboration with the community college, notifies student, parent/guardian if minor; notification must include the course, clock hours and credit hours.
Summer Session	Allowed up to 7 credit hours if student has not completed high school graduation requirements but has completed eleventh grade. However, district does not pay for these summer session courses.	Concurrent enrollment classes allowed through Summer College Credit Program. Other contracted courses eligible refer to issued guidance .
Full-Time Enrollment	Allowed	Allowed
Transportation Responsibility	Parent or Legal Guardian	Parent or Legal Guardian; unless the course is used to meet a school accreditation requirement or jointly administered, then responsibility of the school district
Location	Postsecondary campus or any satellite site established by the postsecondary institution.	Any site established by the community college, which may include facilities of the local district.

TEST OUT EXAM PROCEDURES

I understand that the following criteria must be reached in order for me to earn credit:

1. Application form must be submitted to the counselor or administration by the start of each term/semester.
2. Test out exams will be offered only during the start of each term/semester. The exact test out exam date will be set once the application form is completed and approved.
3. One test out exam will be taken for each course.
4. Students may sit for assessments at the academic level recommended by previous subject matter instructors.
5. A student may sit for a pass out exam only one time per course.
6. No more than three test out exams may be taken per year.
7. A middle school student in TAG may take high school test out exams.
8. Course materials may be checked out over the summer for individual review.
9. The student and the teacher will determine the proficiency level or score needed to demonstrate sufficient competency to earn course credit.
10. The student will earn a "Pass" or "Not Pass" on each exam. If a student passes the exam, the student will: receive the assigned credit for the course; the course will be placed on the student's transcript along with a "Pass," but no grade will be figured into the student's GPA.
11. A test out exam may only be used before a student has attempted the course.

TEST OUT EXAM APPLICATION

Student's Name - _____ Grade - _____

Summer Address - _____

Phone Number - _____

Nevada Community School District Board Policy #505.8 "Performance Testing for Classroom Credit" states: *In meeting the needs of the students, the Board may grant credit by performance testing for course work, which is ordinarily included in the school curriculum. Students wishing to receive credit by testing shall have the approval of the superintendent prior to taking the test. Testing for credit may only be utilized prior to the offering of a course. Once the course has begun, students must attend the class and complete the required work for credit. (Last revised 05/21/2007, last reviewed 06/23/2016)*

I, _____, am applying to take the following test out exam(s) on August ____, ____:

Course Name - _____

Course Name - _____

Course Name - _____

I and my parent(s)/ guardian(s) have read and understand the criteria for taking test out exams and earning credit listed on the back of this application.

I am requesting course materials for individual summer review Yes ____ No ____

Student Signature - _____ Date _____

Parent/Guardian Signature - _____ Date _____

*****For Office Use*****

Submitted to Counselor - _____ Date _____

Approval of Principal - _____ Date _____

Approval of Superintendent - _____ Date _____

Test Out Exam(s) Administered

Date Earned	Course	Exam Score	Pass	Credit
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

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RETAKING A COURSE

If a student has passed a class, the student may take the class a second time with prior permission of the principal and school counselor. This permission must be granted at the time of registration. The purpose of this option is to help a student master the concepts and be ready to continue taking classes that will challenge her/him. The following guidelines apply:

1. Credit for a class may only be earned once.
2. Once a higher-level class has been taken, this option will not be available.
3. Both grades will remain on the transcript, but only the higher grade will be calculated in the GPA.
4. The following classes are **NOT** eligible for the retake option: AP, Band, Choir, PE, PSEO or other college classes, Study Skills.

NOTE - This form is for grade improvement in a class that was previously **PASSED**. If you are retaking a class because of failure, this form does not need to be filled out.

Student's Name _____ Date _____

Selected Course To Retake _____

School Year Originally Taken _____

Term (circle) 1 2

Term (circle) 3 4

Grade Earned _____

Grade Earned _____

Student's Signature _____

Parent's Signature _____

Counselor's Signature _____

Principal's Signature _____

ACTIVITIES

EXTRA CURRICULAR

Fall	Winter	Spring	Summer
Cheerleading Cross Country (B/G) Football Play Volleyball	Basketball (B/G) Cheerleading Speech Wrestling (B/G)	Golf (B/G) Musical Soccer (B/G) Tennis (B/G) Track (B/G)	Baseball Softball

CO-CURRICULAR CLASSES/ACTIVITIES

- Cub TV
- Flag Line/Color Guard/Winter Guard
- Instrumental Music
 - Marching Band
 - Jazz Band/Jazz Combo
 - Pep Band
- Vocal Music
 - Select Choir
 - Vocal Music (Gold and Purple)

CLUBS AND ORGANIZATIONS

- Cub Colors, [Kim Huegerich](#)
- Dance Team, [Shawna Sansgaard](#)
- Ethics Bowl, [Andrew Kleeman](#)
- Esports, [Jason Sampson](#), & [Dan DeYoung](#)
- FBLA, [Cary Thompson](#)
- FCA, [Sarah Gilchrist](#)
- FCCLA, [Katlin Moon](#)
- FFA, [Kevin Cooper](#)
- Key Club (Kiwanis), [Meg Frideres](#)
- National Honor Society, [Kevin Cooper](#)
- Robotics, [James Mills](#)
- Science Bowl, [Ryan Brown](#)
- Skills USA, [Colton Shipman](#)
- Speech Club, [Sarah Bode](#) & [Zach Lillquist](#)
- Student Ambassadors, [Dustin Smith](#)
- Student Council, [Sierra Tiedman](#)

Outside Organizations

- GRIP Mentoring (YSS), [Emily Easton](#)
- Junior Rotarians, [Mark Cahill](#)
- Trap Shooting, [Chris Aalsburg](#)

HIGH SCHOOL RESUME

Student _____

Year of Graduation _____

It is a good idea to keep a record of your activities, jobs, community service hours, awards, etc. that you accumulate while you are in high school. Each year use the template below to help you do this. Then, by your Junior and Senior years, when you are applying for various jobs, colleges, and scholarships, the information will be readily available.

School Year: _____ - _____ Grade: _____

CLUBS/ACTIVITIES

Name	Position held	Awards/Recognition
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

COMMUNITY/VOLUNTEER SERVICE

Organization Name	# Hours	Dates
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ATHLETICS

Sport	Position	Awards/Recognition
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

EMPLOYMENT

Dates	Employer Name	Position	Hours/week
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

OTHER AWARDS, HONORS, or RECOGNITIONS

Organization Name	Awards/Recognition
_____	_____
_____	_____
_____	_____

OTHER

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HIGH SCHOOL - FOUR-YEAR PLANNER

Nevada High School
HIGH SCHOOL FOUR-YEAR PLANNER
52 Credits Needed For Graduation

Student Name _____ Grad Year _____ Date _____

LANGUAGE ARTS
(minimum 8 credits needed to graduate)

[illegible]

MATHEMATICS
(minimum 6 credits needed to graduate)

Class name	Credits For Class	Grade Level Taken In

SCIENCE
(minimum 6 credits needed to graduate)

Class name	Credits For Class	Grade Level Taken In

SOCIAL STUDIES
(minimum 6 credits needed to graduate)

Class name	Credits For Class	Grade Level Taken in

PHYSICAL EDUCATION
(minimum 4 credits needed to graduate)

Class name	Credits For Class	Grade Level Taken In

FINANCIAL LITERACY
(minimum 1 credit needed to graduate)

Class name	Credits For Class	Grade Level Taken In
Financial Literacy	1	12th

FINE ARTS/VOCATIONAL/FOREIGN LANGUAGE/ELECTIVES
(minimum 21 credits needed to graduate)

[illegible]

Honors & Advanced Placement Courses

HONORS

Qualifying Nevada High School students have the opportunity to enroll in several Honors-level courses for the school year. Honors courses will be offered in the areas of *Honors English 9*, *Honors Biology*, *Honors Chemistry*. A student in an Honors course will be in a more demanding classroom, therefore held to a higher standard. Honors courses are taught at a faster pace, with a rigorous curriculum, including more homework outside of class.

An Honors course would be appropriate for the college-bound student who excels in one of the above subject areas. For instance if a student is strong in English, they should consider *Honors English 9*. If they do well, they may consider working toward the qualifications for *College Prep Composition* and *concurrent enrollment english offerings* and in Grade 12. Similarly, a strong science student could choose *Honors Biology* or *Honors Chemistry*, and a strong history student could lead to *Advanced Placement European History* in Grade 11 and *concurrent enrollment social studies offerings* in Grade 12.

ADVANCED PLACEMENT

Advanced Placement (AP) courses involve college-level curriculum offered to 11th and 12th graders who have completed prerequisites for a specific course. The AP course is taught at a college-level pace during the regular school year, culminating in the student taking the College Board AP Exam in May. With a score of 3 or better on the AP Exam (exams are scored on a 1 to 5 scale), a student could qualify for college credit at post-secondary institutions. Studies show that AP students are three times as likely to graduate from college because they have stronger study skills and time management.

Nevada High School offers AP courses in two forms: online and classroom. An online AP course is taught through IOAPA (Iowa Online AP Academy), while a NHS faculty member teaches a classroom AP course. Each school year, NHS faculty members are available to teach *AP European History* (year long, two semesters) and *AP Computer Science Principles DC* (yearlong, two semesters). See the course description for more information and prerequisites.

Online AP courses can be found at <https://belinblank.education.uiowa.edu/students/ioapa/>.

Note: Regardless of NHS credit awarded, post-secondary institutions will only recognize a semester AP course as ½ year and year long AP course as 1 year of coursework within a subject area to fulfill admission requirements.

If you have questions regarding which Honors or AP courses would be appropriate, please see the School Counselor, Ms. Westerhoff.

FINE ARTS

ART

ART EXPLORATORY - 210100

Elective Course

Period Offerings: Period; 1 semester; 1 credit

In Art Exploratory, students will develop fundamental art skills and processes focusing on artistic habits, cross-curricular connections, the elements and principles of design, meaning-making, personal voice, and visual thinking strategies. Students will experiment with various two and three-dimensional media, including (but not limited to) graphite, ink, pastel, collage, watercolor, photography, digital art, clay, cardboard, nature, and found objects.

DRAWING 1 - 210212

Elective Course

Period Offerings: Period; 1 semester; 1 credit

Drawing 1 expands on concepts introduced during middle school art, and will cover a variety of media including, but not limited to, graphite, charcoal, ink, printmaking, and mixed media. In addition to developing art techniques, students will hone their creative thinking skills.

PAINTING 1 - 210213

Elective Course

Period Offerings: Period; 1 semester; 1 credit

Recommended: Drawing 1

Painting 1 expands on concepts introduced during middle school art and foundational drawing skill developed in Drawing 1. This course will focus mainly on watercolor and acrylic paints. In addition to developing art techniques, students will continue to hone their creative thinking skills.

DRAWING 2 DC - 210215

Elective Course

Period Offerings: Period; 1 semester; 1 credit

Recommended: Drawing 1

DMACC Dual Credit: DMACC Art 133

See pages 7-9 for Guidelines

Students can further explore drawing through the Drawing 2 course, concurrent with DMACC Art 133, Fundamentals of Drawing. This course will use a studio lab study to learn the tools and techniques of drawing. Emphasis will be on still life, gesture, contour, shape, plane, volume and value/tonal techniques. Basic drawing skills will be in pencil, charcoal and eraser. Elements of design will be emphasized in a series of drawings students will master; these will include but are not limited to, positive/negative shape, light/dark, repetition, value/tone and perspective.

CERAMICS 1 DC - 210300

Elective Course

Period Offerings: Block; 1 semester; 2 credits

DMACC Dual Credit: DMACC Art 173

See pages 7-9 for Guidelines

Students may consider taking Ceramics 1 as a DMACC concurrent course, Art 173. The emphasis will be placed on basic wheel skills through the curation of thrown and decorated cylinders. Additionally, students will continue developing their rapport with clay through small sculptural projects that will allow for maximum creative autonomy. It is highly recommended that students complete at least one art course prior to Ceramics to ensure a baseline familiarity with the medium, studio habits, and art classroom processes.

CERAMICS 2 DC - 210315

Elective Course

Period Offerings: Block; 1 semester; 2 credits

Recommended: Ceramics 1 DC

DMACC Dual Credit: DMACC Art 174

See pages 7-9 for Guidelines

Students may consider taking Ceramics 1 as a DMACC concurrent course, Art 174. In this course, students will expand on the wheel skills they developed in Ceramics 1 as they progress through bowls, trimming, and lidded forms. Students will also complete two or three (depending on scale) choice projects to continue building and enhancing their handbuilding skills. In accordance with DMACC competencies, by the end of this course, students will be able to operate kiln firings.

PAINTING 2 DC - 210216

Elective Course

Period Offerings: Period; 1 semester; 1 credit

Recommended: Drawing 1, Drawing 2 DC, Paint 1

DMAcc Dual Credit: DMAcc Art 143

See pages 7-9 for Guidelines

Students may consider a Painting 2 course, with concurrent DMAcc course, Fundamentals of Painting, Art 143. This course will be a studio-based course that emphasizes still life, landscape and individual composition. The student will be expected to apply media with skill, intention and confidence in their art works. The student will conceive and create paintings that demonstrate an understanding of how to communicate their ideas through various media. The student will also initiate and solve challenging painting problems using intellectual skills such as analysis, synthesis and evaluation. This will result in a minimum of six paintings that demonstrate a varied high level of ability.

MUSIC

INSTRUMENTAL MUSIC - 250100

Elective Course

Period Offerings: Period; 2 Semesters; 2 credits

High School instrumental music activities are quite varied. The Marching Band meets during term one for anyone not involved in varsity football. Performances include every home football game and local parades. During term two, three and four the band focuses on Concert Band for grades 9-12. Each band meets daily and performs numerous times during the year. Lessons are required throughout the year. Playing tests are given to everyone at least twice a term for grading purposes. Small groups and soloists are organized to perform both at local events and state contests. Pep Band attendance for home football games and basketball games is also an expectation of this class.

MUSIC THEORY - 250310

Elective Course

Period Offering: Blocked; 1 Term; 1 Credit **OR** Period; 1 Semester; 1 Credit

This course involves the in-depth study of the functions of music. This curriculum is designed to help students implement higher-level music skills including musical notation, harmonic analysis, and part writing which will lead to a thorough understanding of music composition and theory

BEGINNING GUITAR - 250150

Elective Course

Period Offerings: Period; 1 Semester; 1 Credit

Beginning guitar is a one-semester course for beginning guitarists. The course is designed to give a musical introduction to playing the acoustic guitar. Through in-class instruction, individual practice, and playing assignments, the student will advance in their understanding of music. The daily objective of the course is to foster and promote musical growth through the playing of an instrument. The overall objective is to provide the student with the introductory knowledge on the guitar to be able to continue playing after the course has ended.

INTERMEDIATE GUITAR - 250155

Elective Course

Period Offerings: Period; 1 Semester; 1 Credit

Intermediate guitar is a one-semester course for students with at least one semester of guitar practice. The course is designed to give a more in-depth experience of playing the acoustic guitar and music theory. Through individual practice, private teacher instruction and playing assignments, the student will advance in their understanding of music. The daily objective of the course is to foster and promote musical growth through the playing of an instrument. The overall objective is to provide the student with knowledge on the guitar to be able to continue playing after the course has ended.

GOLD CHOIR - 250240

Elective Course

Period Offerings: Period; 2 Semesters; 2 Credits

Recommended: 9-10th grade Treble Clef Singers

This is a year-long course that explores choral music from a wide variety of cultures and time periods through study and performance. The core curriculum emphasizes the basics of vocal technique, sight-reading, music theory, and music history. Students are expected to participate in one evening concert each quarter as a major part of their grade as well as other performance opportunities that arise throughout the year.

PURPLE CHOIR - 250270

Elective Course

Period Offerings: Period; 2 Semesters; 2 Credits

Recommended: 9-12th grade Bass Clef Singers and 11-12th grade Treble Clef Singers

This is a year-long, upper-level performance opportunity offered to experienced music students who are accomplished in vocal performance. Students will continue to develop vocal technique and musicianship as well as develop critical thinking skills through the analysis of musical elements, including form and text. Students are expected to participate in one evening concert each quarter as a major part of their grade as well as other performance opportunities that arise throughout the year.

HISTORY OF FILM MUSIC 1 - 250350

Elective Class

Period Offerings: Period; 1 Semester; 1 Credit

In the History of Film Music 1, students will learn about different techniques composers use to write music for the musical scores that accompany a movie. The class will observe how these techniques were modified and evolved over time by watching a few movies from different decades, starting with silent cinema in the 1920s and going through the Hays Code era up to the New Hollywood Revolution in the late 1960s. The class will also branch out to foreign-language films to study the different approaches to film scoring, as well as the method of using pre-existing music to fill a soundtrack. By the end of the semester, students will understand how the music in movies is essential in creating mood and atmosphere while manipulating the emotions of the viewers, and students will have a firm understanding of techniques composers have used to achieve different results, and how those techniques have evolved over time.

HISTORY OF FILM MUSIC 2 - 250355

Elective Class

Period Offerings: Period; 1 Semester; 1 Credit

Recommended: History of Film Music 1

In the History of Film Music 2, the class will pick up during the New Hollywood revolution of the late 1960s, where History of Film Music 1 leaves off and will go up to the present day. Students will learn about different techniques composers use to write music for the musical scores accompanying a movie. The class will observe how these techniques were modified and evolved over time by watching a few movies from different decades. The class will also branch out to foreign-language films to study the different approaches to film scoring and the method of using pre-existing music to fill a soundtrack. By the end of the semester, students will understand how the music in movies is essential in creating mood and atmosphere while manipulating the viewers' emotions, and students will have a firm understanding of composers' techniques to achieve different results and how those techniques have evolved over time.

LANGUAGE ARTS

ENGLISH PREP - 100105

Elective Course

Period Offerings: Period; 1 Semester; 1 credit; This course will only be offered in the Fall

This course uses 9th/10th grade Iowa Core Standards

Pass/Fail - Course does not count toward the RAI or meet Regent University Admission Requirements.

English Prep is a course designed to help freshmen develop a solid foundation in reading and/or writing before taking English 9. Students will be selected through teacher recommendation.

ENGLISH 9 - 100100

Required Course

Period Offerings: Blocked; 2 Terms; 2 Credits

This course uses 9th/10th grade Iowa Core Standards

English 9 is designed to prepare students for the 10-12 English curriculum and provide them with the knowledge and skills they will need to be successful after high school. Literature studied includes short stories, poetry, nonfiction essays, *Romeo and Juliet*, *To Kill a Mockingbird*, and novels of choice. Writing instruction is designed to prepare students for the types of writing necessary in high school, college, and the workplace. Types of writing covered include literary/character analysis, journaling, research writing, and thesis papers.

HONORS ENGLISH 9 - 100120

Elective Course

Period Offerings: Blocked; 2 Terms; 2 Credits

See page 18 for expectations

This course uses 9th/10th grade Iowa Core Standards

Honors 9 will be a rigorous class with daily homework. Literature studied will include *Romeo and Juliet*, *To Kill a Mockingbird*, *the Odyssey*, and *Macbeth* along with short stories and poetry. The class will also provide students with the building blocks of writing necessary for future classes. Academic writing will have an emphasis. This course will prepare students for future high school courses along with college prep and pre-AP. Vocabulary, literary terms, time management, and study skills will also be highlighted. Once a student starts the class, they will not be allowed to change to an English 9 class.

WRITTEN COMMUNICATION - 100200

Required Course

Period Offerings: Blocked; 2 Terms; 2 Credits

Recommended: English 9 or Honors English 9

This course uses 9th/10th grade Iowa Core Standards

Written Communication builds on writing skills learned in English 9 to further prepare students for 11th/12th grade writing standards/courses and success after high school. Areas of study include descriptive, argumentative, and research writing as well as fundamentals of writing, grammar, and vocabulary.

ESSENTIALS OF SPEECH COMMUNICATION - 1005000

Required Course

Period Offerings: Period; 1 semester; 1 credit

Recommended: English 9 or Honors English 9

This course uses 9th/10th grade Iowa Core Standards

In alignment with the speaking and listening standards of the Iowa Core, students will learn the fundamental skills of speaking and listening needed in the classroom setting as well as beyond high school. This class provides students with opportunities to gain confidence and experience using these skills in a variety of contexts including evaluating speeches, conducting interviews, and presenting information to an audience.

***11th/12th grades: must take one literature, one composition,
and one additional English elective credit of their choice***

LITERATURE COURSES

BEYOND THE VEIL: STORIES OF THE SUPERNATURAL - 100355

Elective Course

Period Offerings: Period; 1 Semester; Blocked; 1 Term; 1 Literature Credit

Recommended: Written Communication

This course uses 11th/12th grade Iowa Core Standards

This course combines classic tales with modern supernatural fiction to explore the human fascination with mystery, fear, and the unknown. Students will analyze how mood, suspense, and symbolism function in eerie and compelling stories, honing their reading and analytical skills while discovering how these themes resonate across time.

EARLY AMERICAN LITERATURE (1400s-1865) - 100310

Elective Course

Period Offerings: Blocked; 1 Term; 1 Literature Credit

Recommended: Written Communication

This course uses 11th/12th grade Iowa Core Standards

Early American Literature is a course for students who are interested in learning about the literature of their country from its Native American origins through the time of the Civil War. The novel *The Scarlet Letter*, poems, biographies, short stories, and foundational speeches and documents by authors, poets, and historical figures such as Hawthorne, Poe, Benjamin Franklin, and Thomas Jefferson are covered. The major writing component is the essay response as a form of thematic and literary analysis. Elements of this course include the study of U.S. history.

MODERN AMERICAN LITERATURE (1865-1950s) - 100320

Elective Course

Period Offerings: Blocked; 1 Term; 1 Literature Credit

Recommended: Written Communication

This course uses 11th/12th grade Iowa Core Standards

Modern American Literature is a course for students who are interested in reading literature from the time period following the Civil War up to the 1950s. Students will read and study works including short stories, poems, biographies, speeches, and informational documents. In addition, larger reading assignments will include *Superman versus the Ku Klux Klan* by Rick Bowers and *A Raisin in the Sun* by Lorraine Hansberry. The major writing component is a literary analysis essay. Elements of this course include the study of U.S. history.

CONTEMPORARY AMERICAN LITERATURE (1960s-2010s) - 100325

Elective Course

Period Offerings: Blocked; 1 Term; 1 Literature Credit

Recommended: Written Communication

This course uses 11th/12th grade Iowa Core Standards

Contemporary American Literature is a course for students who are interested in reading literature from the time period of the 1960s up to present day. Students will read and study works including short stories, poems, biographies, speeches, and informational documents. In addition, larger reading assignments will include *Miss Evers' Boys* by David Feldshuh and *Divergent* by Veronica Roth. Elements of this course include the study of U.S. history.

WORLD LITERATURE - 100330

Elective Course

Period Offerings: Blocked; 1 Term; 1 Literature Credit

Recommended: Written Communication

This course uses 11th/12th grade Iowa Core Standards

This course will cover Greek classics, as well as multiple other countries. Examples of such will be: the Polynesian Islands, Italy, Ireland, Germany and many more. Philosophy, mythology, culture, and religion all in relationship to literature will be examined. Writing, reading, and speaking skills will be used throughout the course.

WESTERN LITERATURE - 100340

Elective Course

Period Offerings: Blocked; 1 Term; 1 Literature Credit

Recommended: Written Communication

This course uses 11th/12th grade Iowa Core Standards

Western Literature is a course for students who are interested in reading pieces of literature from Western Europe, North America, Australia, and New Zealand. Students will read and study works including short stories, poems, biographies, speeches, and informational documents. In addition, larger reading assignments will include Beowulf and Henry V. The major writing component is a literary analysis essay.

POETRY - 100380

Elective Course

Period Offerings: Period; 1 Semester; 1 Literature Credit

Recommended: Written Communication

This course uses 11th/12th grade Iowa Core Standards

Poetry is a course for students who are curious about and enjoy poetry. We'll be reading a variety of poetry from the 7th century up to present day to help students understand what sets poetry apart from other types of writing, how poets use different poetic techniques to achieve different effects, how poetry has changed over the years, how poetry reflects the history and culture of the time, and how poetry influences an audience. The major writing component is a poetry analysis paper.

Writing Courses

COMPOSITION - 100410

Elective Course

Period Offerings: Period; 1 Semester; 1 Composition Credit

Recommended: Written Communication

This course uses 11th/12th grade Iowa Core Standards

This course is intended for two types of students: those who are not planning on attending college but need some basic skills to help them in writing not only for classes but for life after high school in the workforce or those juniors who are planning to take College Prep Composition as a senior and going on to college but need more practice in writing before they take the higher level writing class. In this course, students will cover the six purposes of writing (reflective/descriptive, informative, evaluative, exploration, analysis, and persuasion) and how they are used in various situations. Students will also cover business writing in the form of a resume and application letter. This course is not intended to prepare students for the rigors of college level writing.

Any student planning on continuing his or her education at the college level should plan on taking College Prep Composition.

COLLEGE PREP COMPOSITION - 100430

Elective Course

Period Offerings: Blocked; 1 Term; 1 Composition Credit

Recommended: Written Communication

This course uses 11th/12th grade Iowa Core Standards

College Prep Composition is strongly recommended for students who need to prepare for the level of proficiency required at colleges and universities. Students will have a large emphasis on writing structure, independent thinking, and problem solving skills. Formal academic MLA style of writing will be required. Topics covered are literary analysis, argumentation, extended definition, research paper, timed college essays, and literature-based essays.

ELECTIVE COURSES (11th & 12th Grade)

CREATIVE WRITING - 100420

Elective Course

Period Offerings: Blocked; 1 Term

Recommended: Written Communication **AND** Juniors & Seniors

This course uses 11th/12th grade standards

Pass/Fail

Creative Writing is an elective designed for self-motivated students who especially enjoy writing, have experienced success in prior writing classes, and are interested in writing as a form of self-expression.

Extensive, reflective daily journals will serve as a springboard for many writing projects; students will write two to three papers per week. Forms of writing include journals, short stories, personal narratives, scene/sketch writing, and topical essays. Students who take Creative Writing should already have a good understanding of the fundamentals of language and grammar. Final grade is earned by submission of a portfolio containing the student's body of work from the entire term, so the ability to self-pace and use time well is a must.

Creative Writing counts as an elective credit, not as the required writing credit for graduation.

ADVANCED CREATIVE WRITING - 100425

Elective Course

Period Offerings: Blocked; 1 Term; 1 Elective Credit

Recommended: Creative Writing **AND** Teacher Approval

This course uses 11th/12th grade standards that build on Creative Writing

Pass/Fail

Advanced Creative Writing is an independent elective course for self-motivated students who have completed Creative Writing but have a passion for expressing themselves through writing and desire to extend their knowledge and skills. Burroway's *Writing Fiction* serves as an anchor text for the class, as well as books about writing by well-known authors. Extensive daily reading and writing can be expected.

ADVANCED COMMUNICATION - 100525

Elective Course

Period Offerings: Blocked; 1 Term; 1 Elective Credit

Recommended: Essentials of Speech Communication

This course uses 11th/12th grade Iowa Core Standards

Areas to be covered include after-dinner speaking, argumentation, oral interpretation, and public address.

Students will look at how audiences and topics affect different communication situations including advertising, PSA, and the workforce. This course will also include improvisation and impromptu speaking. Students will use technology as an aid in creating final products. Students will have the opportunity to give speeches and presentations. Adapting communication for different audiences, evaluating industry-related literature, and basic business writing are emphasized.

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YEARBOOK: CAPTURE THE MEMORIES, CREATE THE LEGACY - 100525

Elective Course

Period Offerings: Period; 1 Term; 1 Elective Credit

This course uses 11th/12th grade Iowa Core Standards

Ready to leave your mark on our school? Join the Yearbook team! In this hands-on, creative course, you'll design, write, and photograph your way to building the ultimate keepsake. Whether you're a storytelling writer, a tech-savvy editor, someone with an eye for design, or someone with an interest in photography, there's a place for you on our staff. Learn real-world skills in journalism, marketing, graphic design, and teamwork while producing a professional-grade yearbook. Collaborate with your peers, cover the year's biggest events, and tell the story of our school in a way only you can.

MATHEMATICS

FOUNDATIONS OF MATH - 110150

Elective Course

Period Offerings: Period; 2 Semesters; 2 credits

Pass/Fail - Course does not count towards the RAI or meet Regent University Admission Requirements.

Foundations of Math is a course designed to review and build on the skills needed to be successful in Algebra 1A and Algebra 1B. We will work on content to strengthen math skills and concepts. Students will be selected through teacher recommendation.

ALGEBRA 1B - 110210

Elective Course

Period Offerings: Period; 2 Semesters; 2 Credits

Departmental Recommendation

Algebra 1B is to be taken after Algebra 1A. In Algebra 1B we will cover a variety of topics. These topics include inequalities, properties of exponents, exponential functions, quadratic functions and some basic statistics. Students will use problem solving to solve real world applications of topics that we cover. Students who take Algebra 1A and Algebra 1B will take Geometry as the subsequent math class. Algebra 1B is a standards-based class and students will need to pass all standards to be successful.

ALGEBRA 1 - 110300

Elective Course

Period Offerings: Period - 2 Semesters **or** Blocked - 2 Terms; 2 Credits

Although problem solving is a focus throughout the math program, Algebra 1 begins the focus on pure mind stimulation. Students at this level learn to organize information in ways that sharpen their thinking skills and force them to see things in new ways. Reading and interpreting the problem is especially important for students at this level. Algebra 1 is a standards-based class and you will need to pass all standards in order to earn credit for Algebra.

GEOMETRY - 110400

Elective Course

Period Offerings: Period - 2 Semesters **or** Blocked - 2 Terms; 2 Credits

Recommended: Algebra 1 or Departmental Approval from Algebra 1B

Geometry is a challenging course that builds on previous knowledge of Algebra 1. It is a mixture of reasoning, of intuition, and of examples using various mathematical concepts to solve problems. Emphasis in the course includes geometric concepts such as angles, lines, proofs, congruence and similarity, and right triangle use, volumes and areas. Geometry is a standards-based class and you will need to pass all standards in order to earn credit for Geometry.

ALGEBRA 2 - 110500

Elective Course

Period Offerings: Blocked; 2 Terms; 2 Credits

Departmental Recommendation

Algebra 2 is a challenging course that will cover the following units of instruction:

Basic Review Information, Linear Equations, Quadratic Equations, Advanced Polynomials, and Logarithmic/Exponential Equations. We will be working with various types of application story problems and projects during the course of this class. Algebra 2 is a standards-based class and you will need to pass all standards in order to earn credit for Algebra 2.

ADVANCED MATHEMATICS - 110510

Elective Course

Period Offering: Blocked; 2 Terms; 2 Credits

Departmental Recommendation

Advanced Math is preparation for the mathematics studies students will be expected to complete in their post high school educational program. Advanced Math requires higher-level thinking skills and focuses on looking at previously learned content at a deeper level of understanding. There will be significant emphasis is on trigonometry, theory of equations, matrices, sequences, series, graphing, exponentials, logarithms and other advanced topics. Use of graphing technology is emphasized. This is a standards-based grading class.

PROBABILITY AND STATISTICS - 110600

Elective Course

Period Offerings: Blocked; 2 Terms; 2 Credits

Recommended: Algebra 1

Probability topics include permutations, combinations, independent and dependent events, and advanced probability distributions. Statistics topics include the use of graphs and plots to analyze data, using measures of central tendency, the normal distribution curve, sampling and surveys, hypothesis testing, and lines of best fit. We will also be using current events articles for discussion. Technology will be used for much of the mathematical work. Students will present an action research project of their choice at the end of the class. Probability and Statistics is a standards-based class and you will need to pass all standards in order to earn credit for Probability and Statistics.

CALCULUS - 110700

Elective Course

Period Offerings: Blocked; 2 Terms; 2 Credits

Departmental Recommendation

See page 18 for expectations

Honors Calculus is a challenging course for the serious math students possessing excellent algebra skills. The course covers limits, derivatives, applications of derivatives, integrals, applications of integrals, and a variety of advanced level topics. Students will be working with problems, summarizing thinking with guided questions and completing several small application projects. This course prepares the student to compete with calculus students in college or allows the student to possibly pass out of first semester calculus in college. This class is not a standards based grading class.

PHYSICAL EDUCATION

PE: TEAM SPORTS - 260330

Required Course

Period Offerings: Period; 1 Semester; 1 Credit

Required Course

The purpose of this course is to develop the physical skills necessary to be competent in many forms of movement, knowledge of team sports concepts such as offensive and defensive strategies and tactics, and appropriate social behaviors within a team or group setting. Units may include, but are not limited to, the following sports: Volleyball, Badminton, Ultimate Frisbee, Flag Football, Floor Hockey & Basketball.

PE: PERSONAL FITNESS - 260310

Required Course

Period Offerings: Period; 1 Semester; 1 Credit

Required Course

This course is a Physical Education class where students will increase their physical literacy knowledge while they strive to improve their physical fitness level in the five components of fitness: cardio-respiratory endurance, muscular strength, muscular endurance, body composition, and flexibility by participating in various fitness activities. We will spend at least two days a week in the weight room. Lifetime physical fitness and literacy is our primary goal. Students will take an active role in the planning and execution of their workout programs and track their progress throughout the semester.

PE: STRENGTH AND CONDITIONING - 260320

Required Course

Period Offerings: Period; 1 Semester; 1 Credit

Required Course

This course is a Physical Education class that looks to develop a students' understanding of strength training and work on their technique and performance of various lifts. This class will also have students work on their speed and agility as well as their cardiovascular fitness. All of the workouts done in the class will teach students the importance of physical activity and also cover all 5 of the National PE Standards.

Waivers - All students must register for P.E. during registration. A waiver from P.E. may be granted by the principal for the following reasons: Medical, Academic, Religious, Athletic

Please see Ms. Westerhoff or Dr. Einsweiler with questions regarding a waiver.

SCIENCE

INTEGRATED SCIENCE - 120100 / 120110

Required Course

Period Offerings: Period - 2 Semesters **or** Blocked - 2 Terms; 2 Credits

The specific content of Integrated Science courses varies, but they draw upon the principles of several scientific specialties, consistent with integrated science standards outlined in the Next Generation Science Standards, and organize the material around thematic units. Common themes covered include systems, models, energy, patterns, change, and constancy. These courses use appropriate aspects from each specialty to investigate applications of the theme.

BIOLOGY IN THE COMMUNITY (BIOCOM) - 120230

Elective Course

Period Offerings: Blocked; 2 Terms; 2 Credits

Recommended: Integrated Science

This course does not count toward the RAI or meet Regent University Admission Requirements

BioCom is a study of biology in the community. This co-taught course is intended to educate students on essential biology concepts vital to effective engagement in community health and global citizenship. Emphasis will be placed on conceptual development around ecology, genetics, cell biology, and human biology. These topics will help students better understand their role and their impact on the world around them. Current events, labs and inquiry-based experiences will be used to drive learning in this space. This course is designed for students seeking a science credit toward graduation but not contributing to their overall RAI toward college acceptance.

BIOLOGY - 120200

Required Course

Period Offerings: Blocked; 2 Terms; 2 Credits

Recommended: Integrated Science

This course is designed to help students become more aware of the biological world around them, to help them understand how people are affected by the living world around us, and to help them understand the role that this subject matter plays in our society today and its importance in their future. Materials to be covered in this course include a study of cell biology, genetics, DNA technology, phylogeny, natural selection, and human biology. Special attention will be given to genetic diversity and DNA technology. Laboratory exercises will be done throughout the term to help students understand concepts.

HONORS BIOLOGY - 120210

Elective Course

Period Offerings: Blocked; 2 Terms; 2 Credits

Recommended: Integrated Science

See page 18 for expectations

This course is designed to help students become more aware of the biological world around them, to help them understand how people are affected by the living world around us, and to help them understand the role that this subject matter plays in our society today and its importance in their future. Materials to be covered in this course include a study of cell biology, genetics, DNA technology, phylogeny, natural selection, and human biology. Special attention will be given to genetic diversity and DNA technology. This course will be lab and project intensive and will depend on scientific inquiry-based learning. Students will be responsible for completing most work outside of the classroom. Laboratory exercises will continually be done throughout the term to help students understand concepts.

CHEMISTRY IN THE COMMUNITY (CHEMCOM) - 120300

Elective Course

Period Offerings: Blocked; 2 Terms; 2 Credits

Recommended: Biology

This course does not count toward the RAI or meet Regent University Admission Requirements.

ChemCom is a study of chemistry in the community. Although the majority of chemistry objectives will be discussed in the class, the objective is to integrate environmental, societal and political issues into the study of chemistry. Students will be required to complete group work, laboratory analysis and work individually to solve chemistry problems. Furthermore, students will be required to be actively involved in discussions about current trends in chemistry and the impact that science has on the world around us. Approximately 85% of the topics covered in "Chemistry" class will be covered in ChemCom as well.

CHEMISTRY - 120310

Elective Course

Period Offerings: Blocked; 2 Terms; 2 Credits

Recommended: Biology and Algebra 2

This class is designed to be lab-based studies of chemical concepts and to better prepare students for advanced studies in science. Lab work will be intensive; students will be required to call upon prior knowledge from classroom discussion to analyze data and solve chemistry problems involving mathematical concepts such as dimensional analysis. Students will work individually and collectively to develop laboratory procedures and skills to further enhance skills of observation, quantitative thinking, and analytical analysis. Topics of study include history of the atom, chemical reactions, nuclear chemistry, energy in reactions, chemical structures, molecular models, stoichiometry, gas laws and acid-base chemistry.

HONORS CHEMISTRY - 120320

Elective Course

Period Offerings: Blocked; 2 Terms; 2 Credits

Recommended: Biology **AND** Algebra 2

See page 18 for expectations

This course is designed to provide students a more analytical and in-depth study into chemistry. Honors Chemistry will include topics of study beyond the scope of regular study of chemistry such as chemical kinetics, oxidation-reduction reactions, quantum theory, thermodynamics, and solution chemistry emphasizing equilibrium constants. This course will be very lab intensive and move through material at a faster pace than chemistry. Students will be required to work individually and collectively to solve higher-order chemistry problems, analyzing data and incorporating mathematical problem solving skills. Upon completion of Honors Chemistry students may attempt to take the AP Chemistry Test.

ANATOMY AND PHYSIOLOGY DC - 120400

Elective Course

Period Offerings: Blocked; 2 Terms; 2 Credits

Recommended: Chemistry and Algebra 2

DMACC Dual Credits: BIO 168 & BIO 173

See page 18 for expectations

This course offers an intensive study of human anatomy and physiology. The structure and function of all systems found in the human body will be studied as well as diseases and injuries that may occur. There will be considerably more detail in this course than the general biology course offers, and it is intended for students wishing additional study of human biology. Laboratory sessions will consist of dissections of specific organs and the fetal pig.

PHYSICS - 120500

Elective Course

Period Offerings: Blocked; 2 Terms; 2 Credits

Recommended: Chemistry, Biology, Advanced Math or Instructor Approval.

This course will be taught from a concept development approach, as well as mathematical. The course is designed to emphasize the student thought process more than memorization of facts. Student labs and teacher demonstrations will be used to develop the concepts and give the students a better understanding of the physical laws governing our everyday life. This course should increase the student's knowledge of physics and enhance their mathematical and critical thinking skills. Topics covered include motion (one and two dimensional, linear and rotational), Newton's laws, vectors, conservation laws of momentum and energy, properties of matter, heat, waves (mechanical, sound and light), electricity and magnetism. These subjects will be treated according to interest and time.

UNDERSTANDING ME & LIVING WELL - 120700

Elective Course

Period Offering: Period; 1 Semester; 1 Credit

Pass/Fail

This course focuses on “*Understanding Me & Living Well: My Body, My Habits, My Health*” -- Einstein proposed a crazy idea about the inordinate amount of energy stored in the nucleus of an atom ($E = mc^2$). A similar approach could be applied to understanding healthy living by applying atomic habits; simple and small changes that can unleash profound lifestyle and behavioral changes in the way that you view yourself, understand cultural norms and societal pressure and the decisions you make that influence your own personal and relational health.

Explore the neuroscience, behavioral science, psychology and current research associated with multiple dimensions of a healthy lifestyle. Learn how to explore, discuss and apply principles such as Atomic Habits, Mini Habits, The Habit Loop, Four Laws of Habit Change, Pareto Principle, Plateau of Latent Potential, The Physics of Vulnerability and how the prefrontal cortex, the “lizard brain” and “mammalian brain” perpetuate thoughts, behaviors, beliefs and habits.

Learn about Ego Depletion, Orosensation, Vanishing Caloric Index, The Bliss Point, Sensory Specific Satiety, Dynamic Contrast, The Magic of Maybe, Digital Minimalism, The Law of Productivity, Attention Residue, Unconscious Thought Theory, Attention Restoration Theory, The Principles of Least Resistance, Business by Proxy of Productivity, the 4DX Framework, principles of neural cleansing, BNDF, and the problem resolve conversation.

Apply what current science is revealing about personal and cultural behavior and their influence on Dopamine, DHEA, Cortisol, WYTAYBA, BMIRS, and the Reticular Activation System, courage, vulnerability, The Tragic Gap, while living into your values to promote your own personal and relational health.

Learn and practice the skills associated with Mediators of Thinking, Cognitive Reflection, Holonomy, Interdependence, Deep Work, Deep Think and the power of habit bundling; while priming your environment for success. Challenge yourself to get 1% better every day – relationally, personally, physically, mentally, emotionally.

WORLD LANGUAGE

SPANISH 1 - 270300

Elective Course

Period Offerings: Period; 2 Semesters; 2 Credits

Spanish 1 is designed to build a foundation in language knowledge and culture. Students are exposed to a variety of topical and contextual vocabulary and grammar that focus on the development of listening, speaking, reading, and writing skills. Students will learn to give and respond to oral directions, ask and answer questions, and function in practical situations using the target language. Students will use various stories, novels, and supplements at an appropriate level for Spanish 1 students. This course is not designed for native Spanish speakers.

SPANISH 2 - 270320

Elective Course

Period Offerings: Period; 2 Semesters; 2 Credits

Recommended: Spanish 1

Spanish 2 expands on the foundation in language knowledge and culture students gained in Spanish 1. Students use various stories, novels, and supplements designed at a level for Spanish 2 students, and will learn more contextual vocabulary and grammar to further develop listening, speaking, reading, and writing skills. The focus will still be on building language to use in practical situations.

SPANISH 2 DC - 270325

Elective Course

Period Offerings: Period; 2 Semesters; 2 Credits

Recommended: Spanish 1

DMACC Dual Credit: FLS 151

See pages 7-9 for Guidelines

This course aims to develop functional proficiency in Spanish through listening, speaking, reading and writing to and with others based on themes of everyday life using authentic resources to interpret information and expand their knowledge of cultures of the Spanish-speaking peoples of the world.

SPANISH 3 - 270340

Elective Course

Period Offerings: Period; 2 Semesters; 2 Credits

Recommended: Spanish 2

Spanish 3 is designed to support meaningful self-expression and communication in Spanish. Students use various stories, novels, and supplements as basics of vocabulary and grammar concepts from Spanish 2 and I are reinforced and expanded. Students should expect to hear authentic language and link Spanish with other disciplines, their community, and other cultures. Only Spanish will be used in this course.

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SPANISH 3 DC - 270345

Elective Course

Period Offerings: Period; 2 Semesters; 2 NHS Credits

Recommended: Spanish 2 or Spanish 2 DC

DMAcc Dual Credit: FLS 152

See pages 7-9 for Guidelines

Emphasis is on the understanding and production of oral and written Spanish presented in culturally appropriate settings. The language learned is based on themes of everyday life. Students will be asked to engage in more complex conversations using the themes presented in the curriculum. Speech will be monitored for pronunciation and accent. Much class time is devoted to practicing speech. Only Spanish will be used in this course.

SPANISH 4 - 270350

Elective Course

Period Offerings: Period; 2 Semesters; 2 Credits

Recommended: Spanish 3

Spanish 4 is a Spanish speaking only class with the goal to use and understand Spanish in a meaningful context. The emphasis of the class is on oral proficiency. Students use various stories, novels, and supplements to reinforce and expand on material from Spanish 2, 3, and 1. Students should expect to hear and read authentic language and engage in discussions based on contemporary issues.

SPANISH 4 DC - 270355

Elective Course

Period Offerings: Period; 2 Semesters; 2 NHS Credits

Recommended: Spanish 3, Spanish 3 DC, or Instructor Approval

DMAcc Dual Credit: FLS 241

See pages 7-9 for Guidelines

The primary goal of this course is a comprehensive review of the Spanish grammar introduced in Elementary Spanish with the goal of achieving a real working knowledge of this grammar in writing and speech. Comprehensible input will include short readings in Spanish literature, newspapers, film, web sites or other print or visual media. While serving to increase vocabulary and knowledge of grammar, these also serve as a source of cultural information. Only Spanish will be used in this course.

SPANISH 5 DC - 270365

Elective Course

Period Offerings: Period; 2 Semesters; 2 NHS Credits

Recommended: Spanish 3 or Instructor Approval

DMACC Dual Credit: FLS 242

See pages 7-9 for Guidelines

This course builds on FLS 241 (Spanish 4 DC) to further develop proficiency in Spanish. Emphasis is on the continued study of authentic and representative literary and cultural texts to expand skills in listening, speaking, reading and writing with increasing complexity. Class topics center around themes of student choice, including academic and social issues and use of authentic resources to strengthen awareness of the cultures of the Spanish-speaking peoples of the world.

HERITAGE SPANISH - 270400

Elective Course

Period Offerings: Blocked; 2 Terms; 2 Credits **OR** Period; 2 Semesters; 2 Credits

*Instructor Approval

Heritage Spanish 1s a two-term course designed to provide native language support and literacy to the already bilingual student. Students will use a variety of Spanish-language materials both print and audio/visual. Students will work primarily on reading and writing, building literacy skills, as well as learn specifics of grammatical structures. This course is not appropriate for students who do not use primarily Spanish 1n the home and is by interview or recommendation only.

SPANISH CULTURE AND CUISINE - 270410

Elective Course

Period Offerings: Period; 1 Semester; 1 Credit

This course does not meet the second language requirement for college admission.

Students will explore a variety of cultures and the history of food associated with each culture, including preparation. Emphasis in this class will be learning why cultures across the world eat what they do. Topics will include, but not be limited to, comparisons to American Cuisine, study of the culture's characteristics, eating habits, geography, history, and festivals.

SOCIAL STUDIES

WORLD HISTORY - 130200

Required Course

Period Offerings: Blocked; 2 Terms; 2 Credits **OR** Period; 2 Semesters; 2 Credits

Recommended: Freshmen & Sophomores

World History is a basic survey of Western Civilizations. This required course focuses on the key elements of history that have helped to shape our ideals as a nation. A sampling of units discussed are the Ancient Civilizations of Egypt, Greece, and Rome; the Middle Ages and birth of the Modern World; democratic revolutions in England and France; the new approaches to worker problems that arose from the Industrial Revolution; Imperialism; and the wars of the Twentieth Century. Current events awareness and geography skills are also emphasized.

US HISTORY - 130300

Required Course

Period Offerings: Blocked; 2 Terms; 2 Credits

Recommended: World History

US History is a course that examines Twentieth Century America in detail. Emphasis is placed on social and group skills, map skills, data gathering, decision-making, and cause and effect in understanding our American heritage. A focus is placed on learning to relate historical events to current events, with the role of cultural groups and minorities in our society receiving considerable emphasis.

GOVERNMENT - 130400

Required Course - Seniors

Period Offerings: Blocked; 1 Term; 1 Credit **OR** Period; 1 Semester; 1 Credit

Recommended: US History

Government is a required course that takes an in-depth look at the political system of the United States with emphasis on checks and balances, the three major branches of government, voting behavior, the constitution and the bill of rights. Current events and class discussions play a large role in the class.

GLOBAL INSIGHTS - 130500

Elective Course

Period Offerings: Blocked; 1 Term; 1 Credit **OR** Period; 1 Semester; 1 Credit

Recommended: Sophomores, Juniors & Seniors Only

This course is geared for students who are interested in experiencing world cultures. Through hands-on activities, textbook readings, and discussion, students will have the opportunity to learn about the various cultures of our world. Areas of study include literature, music, food, art, and traditions of modernization.

ECONOMICS - 130510

Elective Course

Period Offerings: Blocked; 1 Term; 1 Credit **OR** Period; 1 Semester; 1 Credit

Recommended: World History

Economics is the study of human efforts to satisfy our seemingly unlimited wants. It is concerned with the United States' role in monetary affairs, supply and demand, consumer behavior, and gross domestic product. A major component of the class is an understanding of the stock market, monetary policy, and the Federal Reserve.

SOCIOLOGY - 130530

Required Course

Period Offerings: Blocked; 1 Term; 1 Credit **OR** Period; 1 Semester; 1 Credit

Recommended: World History

Sociology is the study of people in groups. This class takes a look at topics such as social classes, culture, socialization, family, and social change. Sociology is an engaging study of how people interact, react, and learn from other members of society.

PSYCHOLOGY - 130520

Required Course

Period Offerings: Blocked; 1 Term; 1 Credit **OR** Period; 1 Semester; 1 Credit

Recommended: US History

Psychology is the study of the human mind and behavior. We will take an in-depth look at sensation, perception, memory, personality, psychological disorders, human development, and motivation. This class is designed for students interested in higher order thinking and who are not afraid to work for that understanding.

OUR WORLD TODAY - 130550

Elective Course

Period Offerings: Blocked; 1 Term; 1 Credit **OR** Period; 1 Semester; 1 Credit

This course is designed for students to explore situations that are occurring in our world today. The topics will range from local, state, national, and global events that have a direct or indirect impact on students. The students will follow daily news events through the use of mass media and social media outlets that our world provides to us. Students will also be using documentaries, film studies, and magazines to explore our world today. Students will use the information learned to define components of culture and analyze how it influences individuals within that culture. Students will examine and evaluate reactions to social inequalities including conflict and propose alternative responses. Students will summarize and evaluate how social structures and cultures have evolved over time.

AP US HISTORY - 130900

Elective Course

Period Offerings: Period; 2 Semesters; 2 Credits

Recommended: World History

See page 18 for expectations

Students master historical knowledge and critical analysis, build reading, writing, communication skills, and discover how historical events have contributed to American culture. By the end of the course, students will be ready to put their factual knowledge to work by weighing evidence and interpreting problems presented by historians. The equivalent of an introductory college-level course, AP U.S. History prepares students for the AP Exam and for further study in history, political science, economics, sociology, and law.

AP EUROPEAN HISTORY - 130970

Elective Course

Period Offerings: Period; 2 Semesters; 2 Credits

Recommended: US History

See page 18 for expectations

This Advanced Placement (AP) full-year, college-level course, begins with the Renaissance (1450) and traces major developments in Europe including economic, diplomatic, social and cultural history to the present. It is designed to strengthen your historical thinking skills, analysis and evaluation skills, and writing. The course is primarily discussion-based and students should expect reading assignments using the course text and other primary sources. Students interested in going on the Europe trip should take this course.

CAREER & TECHNICAL EDUCATION

AGRICULTURE

ANIMAL SCIENCE 1 - 200100

Elective Course

Period Offerings: Blocked; 1 Term; 1 Credit

This course covers animal anatomy, physiology, pre-veterinary sciences, nutrition, reproduction, and genetics. Equine, and canine, and specialty animal production are covered also. Guest speakers, lab demonstrations, and numerous field trips complement classroom activities.

ANIMAL SCIENCE 2 - 200110

Elective Course

Period Offerings: Blocked; 1 Term; 1 Credit

This course covers meat processing, meat cut identification, and animal production in cattle, swine, sheep, and poultry, dairy science, exotic animals, and wildlife management. Guest speakers, lab demonstrations, and numerous field trips complement classroom activities.

HORTICULTURE AND PLANT SCIENCE 1 - 200200

Elective Course

Period Offerings: Blocked; 1 Term; 1 Credit

Today's horticulture industry is full of opportunities. Students will learn the fundamentals of plant morphology, identification, flower structure, soil science, growing media, propagation, plant pathology and biotechnological applications in the commercial sector. In addition, basic greenhouse management, temperature control, light quality, water quality and production of plants will utilize a new greenhouse. Learning will include self-directed plant production, classroom, field trips, guest speakers, and demonstrations

HORTICULTURE AND PLANT SCIENCE 2 - 200210

Elective Course

Period Offerings: Blocked; 1 Term; 1 Credit

Recommended: Horticulture and Plant Science 1

Turf management and landscaping will be studied in this course. Identification of outdoor plants and trees will be included in the landscaping unit. In addition, greenhouse plant production will be included also for the appropriate season of plant production. Pest management and environmental control factors will be covered also.

NATURAL RESOURCES - 200300

Elective Course

Period Offerings: Blocked; 1 Term; 1 Credit

This course will cover topics in renewable energy, resource management, water quality, forestry, soil, land, prairie, and minerals. In addition, plant growth and production will include utilizing the greenhouse. Other topics will include outdoor recreation, property ownership and responsibilities, and entrepreneurship opportunities utilizing our natural resources.

AG BUSINESS - 200310

Elective Course

Period Offerings: Period; 1 Semester; 1 Credit

Recommended: Animal Science 1 or 2

This class will cover the Ag related business opportunities that are available today. Topics covered will be marketing, business law, advertising, contracts, entrepreneurship, commodity marketing, cash flow, financial analysis, record keeping, and customer service. Students will learn how to develop a quality sales presentation to prospective customers. Also there will be a unit on emerging technologies in global positioning systems, biotechnology, and interactive software. Instruction will include classroom, field trips, lab, student directed activities, and guest speakers.

SUPERVISED AG EXPERIENCE - 200510

Elective Course

Period Offerings: Period; 1 Semester; 1 Credit

All ag students and FFA members are required to have a Supervised Ag Experience, but in this class they can improve their record keeping, investigate expanded entrepreneurial opportunities for themselves, or research placement SAE opportunities. Instructor will monitor and evaluate student progress and provide support and guidance. The SAE may be agriculture science and/or research oriented in design. The SAE class will provide study of ag career opportunities and required education and skills needed. The instructor will provide information & guidance on various sectors of the ag industry. FFA provides both skill & leadership career development events for SAE related skill and knowledge development; therefore some class time may be used for development of skills and knowledge applicable in leadership & career skills development events. This course is recommended for upperclassmen.

AG MECHANICS 1 - 200400

Elective Course

Period Offerings: Blocked; 1 Semester; 2 Credits

Recommended: Sophomores, Juniors & Seniors Only

In this course, the student will study the mechanics of machines and systems that are used to produce, process, and transport Ag production and food products. Students will spend a majority of their time in actual "hands on" labs performing skill competencies needed for employment in this technical field.

Due to lab space and availability of equipment this course may have participant limits.

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AG MECHANICS 2 - 200410

Elective Course

Period Offerings: Blocked; 1 Semester; 2 Credits

Recommended: Ag Mechanics

In this course, the student will further study the mechanics of machines and systems that are used to produce, process, and transport Ag production and food products. Students will spend a majority of their time in actual “hands on” labs performing skill competencies needed for employment in this technical field.

BUSINESS

COMPUTER APPLICATIONS - 220200

Elective Course

Period Offerings: Blocked; 1 Term; 1 Credit **OR** Period; 1 Semester; 1 Credit

Computer Applications will introduce students to the technology skills needed to be successful in high school, post-secondary school, and the workplace. The majority of the course will be spent working on skills in Microsoft Word, Excel, and PowerPoint - which all continue to be widely used within various fields outside education. *Students will have the opportunity to earn Microsoft Certification through completion of modules approved through the Iowa STEM council and Microsoft Office.*

ACCOUNTING - 220400

Elective Course

Period Offerings: Blocked; 2 Terms; 2 Credits

This course is designed to present the basic principles of recording financial information and the applications of the knowledge for personal use, skills for those who plan immediate entry into business, and a foundation for those who expect to pursue higher education in business. The concepts of specific terms, accounting forms, and procedures are presented to develop a broad understanding of the aspects involved with the processing of data.

ADVANCED ACCOUNTING - 220410

Elective Course

Period Offerings: Blocked; 2 Terms; 2 Credits

Recommended: Accounting

Advanced Accounting is offered to provide additional experience for students interested in pursuing interests in the accounting or business fields. The course builds on the basics developed in Accounting I by going into greater detail on the concepts established. Computerized accounting will be incorporated in the materials discussed. Important life skills in their role of citizen, worker, or consumer.

BUSINESS LAW - 220420

Elective Course

Period Offerings: Blocked; 1 Term; 1 Credit

Business Law will provide students with a legal background covered by the Uniform Commercial Code. This course covers business-related crimes, torts, contracts, transfer of ownership, and risk of loss, warranties, agencies, commercial paper, bankruptcy, and bailment. Business Law will help students understand one of our most important life skills in their role of citizen, worker, or consumer.

MARKETING - 220430

Elective Course

Period Offerings: Blocked; 1 Term; 1 Credit

Marketing will investigate the process of getting goods from where they are created and produced to where they are consumed. Introduction and exploration of the marketing mix (product, price, place, promotion, and people) will be the focal point of the course. Specific topics include consumer orientation, market research and segmentation, developing products, selection channels of distribution, personal selling, advertising, sales promotions, public relations, international marketing, and ethical and legal aspects of marketing. Students will be exposed to local marketing practices and theories.

INTRO TO BUSINESS - 220440

Elective Course

Period Offerings: Blocked; 1 Term; 1 Credit

Introduction to Business is highly recommended for students planning a career in business and for students who desire to enroll in Accounting and other business-related courses. Introduction to Business will include an introduction to the world of business and help prepare students for the economic roles of consumer, worker, and citizen. This course will also serve as a background for other business courses taken in high school and in college, assist with consumer decision-making, and explore careers in the business sector.

FAMILY & CONSUMER SCIENCES

FOODS: INTRODUCTION TO NUTRITION AND FOOD PREPARATION - 230100

Elective Course

Period Offerings: Blocked; 2 Terms; 2 Credits

This introductory foods course is planned to provide a foundation in basic nutrition, food preparation, and management. Emphasis is placed on learning the skills of food preparation and the whys of preparation of foods from the different food groups. This course provides for use of knowledge gained in the classroom through various laboratory experiences. Units covered with labs may include the following: fruits and vegetables, eggs, cheese, milk and milk products, cereal grains, salads, soups, pastries, cakes and frostings, quick breads, yeast breads, cookies, and meats.

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HOUSING & INTERIOR DESIGN - 230300

Elective Course

Period Offerings: Blocked; 1 Term; 1 Credit

This course is designed to provide a basic background in interior design and home planning. It covers all aspects of housing: housing needs of families, housing and the environment, housing styles, evaluation of floor plans, furniture selection and arrangement, principles and elements of design, color and color schemes, storage ideas, bath and kitchen design, and background in the home (window and wall treatments, floor coverings, lighting).

CREATIVE SEWING 1 - 230610

Elective Course

Period Offerings: Blocked; 1 Term; 1 Credit

This course is to teach students to sew and/or improve their sewing skills. The students will use sewing machines, embroidery machines and the serger to create useful items for the home or garments and accessories. Several items will be constructed according to the student's sewing ability. The goal is for the student to feel more comfortable at the sewing machine, developing a life long skill.

Due to lab space and availability of equipment this course may have participant limits.

CREATIVE SEWING 2 - 230615

Elective Course

Period Offerings: Blocked; 1 Term; 1 Credit

Recommended: Creative Sewing I

This course builds upon the learning in Creative Sewing, requiring sewing projects of increased skill level to be completed. Students will use machine skills to complete a variety of projects based on standards and skill level building. Students will work independently to complete project within the given timeline.

CHILD DEVELOPMENT - 230500

Elective Course

Period Offerings: Blocked; 2 Terms; 2 Credits

As a result of this course you will learn about children, parenting, and yourself. This course will involve many hands-on experiences and the opportunity to work directly with children at the NCRC. Some of the topics that will be covered are Physical-Emotional-Social and Intellectual Development of infants through 6 year olds, Parenting Skills, Teen Pregnancy and Parenthood and Prenatal Development.

FASHION ANALYSIS & DESIGN - 230590

Elective Course

Period Offerings: Blocked; 1 Term; 1 Credit **OR** Period; 1 Semester; 1 Credit

Recommended: Sophomores, Juniors & Seniors Only

Fashion Analysis & Design introduces students to all phases of the apparel business planning process as well as discussions on the various types of retailers that sell the apparel products to the consumer. Design elements and design principles are applied to apparel design analysis. Basic garment styles are studied. Fashion forecasting and sources of inspiration are discussed. Becoming aware of the wide variety of fashion related careers is an integral part of this course.

TEXTILES - 230620

Elective Course

Period Offerings: Blocked; 1 Term; 1 Credit **OR** Period; 1 Semester; 1 Credit

Recommended: Sophomores, Juniors & Seniors

Focus will be on an application-oriented study of natural and manufactured fibers, yarns, fabric construction, printing and dyeing methods and finishes to determine the performance properties, quality and serviceability of fabrics in relation to end use.

FAMILY CONSUMER SCIENCE - ENTERPRISE COURSES

FOOD ENTERPRISE - 230700

Elective Course

Period Offerings: Blocked; 1 Term; 1 Credit **OR** Period; 1 Semester; 1 Credit

This entrepreneurship venture will involve developing items to be ordered primarily by elementary school children's parents. Items will likely be used as birthday or classroom treats. Students will research, prepare/test food products, survey students through sampling, daily food preparation of product, cost product and market items through this class. Students will work closely with Mrs. Moon. Students will be in class with Mrs. Moon for one half of the block at the beginning of their first term.

EMBROIDERY ENTERPRISE - 230710

Elective Course

Period Offerings: Blocked; 1 Term; 1 Credit **OR** Period; 1 Semester; 1 Credit

This entrepreneurship venture will involve research, survey, preparation and market testing of sample garments, costing, pricing, and marketing. Students will embellish clothing items utilizing ready-to-wear garments and a commercial embroidery machine. Items will be sold in the *Cub Creations* shop. Custom items may also be created in this class. Students will consult with Mrs. Moon and meet as a class for one half of a block at the beginning of their first term.

INDUSTRIAL TECHNOLOGY

INTRO TO ACE (Architecture, Construction, Engineering) - 240100

Elective Course

Period Offerings: Blocked; 1 Term; 1 Credit **OR** Period; 1 Semester; 1 Credit

This course is recommended to take before all other Industrial Technology and Engineering courses. This course is an experimental, career oriented class that will set students up for success in the future. There will be activity based learning opportunities that will develop students' employability skills. Areas studied include safety, tool identification Communications, Construction, Manufacturing and Transportation Technologies. Activities may include CAD drafting, graphic design, building small structures, plasma cutter, Catapults, wall construction, bench metal work, and career research.

MACHINING & METALWORKING 1 - 240200

Elective Course

Period Offerings: Blocked; 1 Term; 1 Credit

This course will give an introduction to various welding processes such as Oxy-Acetylene, SMAW, and GMAW. Students will explore these processes with hands-on activities and projects. This course will also have an introduction to sheet metal fabrication, bench metal fabrication, and drilling/cutting/threading.

MACHINING & METALWORKING 2 - 240210

Elective Course

Period Offerings: Blocked; 1 Terms; 1 Credit

Recommended: Machining & Metalworking I

Students will review the various tools, machines, and processes used in Machining & Metalworking I. Students will continue to enhance their skills and knowledge in the processes while adding more into their repertoire. Students will develop more 21st century and employability skills while in this course. Project/Skill areas will include

- Welding - GMAW, GTAW, SMAW, OxyFuel Welding
- Machining - Different methods of holding work, boring, knurling, pocketing and tapering
- Burr Puzzle
- Harbor Bell
- CNC - Router, Plasma, Vinyl, and Laser
- Powder Coating - Various part finishes with powder paint

WOODS PROCESSING & PRODUCTION 1 - 240250

Elective Course

Period Offerings: Blocked; 1 Term; 1 Credit

This course is offered to students who are interested in getting a start in woodworking. Students will be expected to gain an understanding of the care and safety of hand and power tools through this course. This course will give the students the skills and the know how to operate hand/power tools correctly and safely. Students will start with small beginner projects and work and progress to tougher projects as they continue into Woods Processing & Production II. The skills include staining and different finishes on projects, understanding the layout of projects, calculating the needed materials for projects, and laser engraving.

WOODS PROCESSING & PRODUCTION 2 - 240220

Elective Course

Period Offerings: Blocked; 1 Terms; 1 Credit

Recommended: Woods Processing & Production I

Students in this course will have hands-on, project based learning opportunities to develop their skills and knowledge with woodworking. Students will use power tools and precision manufacturing machines to fabricate various projects. Project difficulty will continue to increase as the term progresses, starting with simple wood joinery, and finishing with advanced project design, development, and construction. Problem solving skills will be tested and enhanced through print/plan reading and fabrication from those plans.

PROJECT LEAD THE WAY

INTRODUCTION TO ENGINEERING DESIGN DC - 700100

Elective Course

Period Offerings: Blocked; 2 Terms; 2 Credits

DMAcc Dual Credit: EGT 400

Recommended: Algebra 1 or taking concurrently

See pages 7-9 for Guidelines

In this course, students use 3D solid modeling design software to help them design solutions to solve proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation.

PRINCIPLES OF ENGINEERING DC - 700200

Elective Course

Period Offerings: Blocked; 2 Terms; 2 Credits

DMAcc Dual Credit: EGT 410

Recommended: Geometry or taking concurrently

See pages 7-9 for Guidelines

In this course, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, robotics, automation, and programming. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. The engaging and challenging problems students will solve in this course would prepare them well for any field involving structural design or human-computer interaction.

COMPUTER SCIENCE ESSENTIALS - 700400

Elective Course

Period Offerings: Period; 1-2 Semester; 1-2 Credit **OR** Blocked; 2 Terms; 2 Credits

Need and teacher availability will determine whether it is a Semester or Year course

Collaborate to create mobile apps that make a difference in people's lives. Solve real people's needs and wants with your creativity. With a gentle introduction to programming, you will learn how to make computers work together to put your designs into practice. People who code are the magicians of the future, useful in any career. How will computing and connectivity give you superpowers?

AP COMPUTER SCIENCE PRINCIPLES DC - 700300

Elective Course

Period Offerings: Period; 2 Semesters; 2 Credits

DMAcc Dual Credit: CIS 450

Recommended: Geometry, IED, or POE

See pages 7-9 for Guidelines

Open doors in any career with Computer Science! Students create apps for mobile devices, automate tasks in a variety of languages, find patterns in data, and interpret simulations. Students collaborate to create and present solutions that can improve people's lives. How will computing and connectivity transform your world? Students taking this course will have a final national exam for college credit in May.

CYBERSECURITY - 700500

Elective Course

Period Offerings: Blocked; 1 Semester; 2 Credits

Recommended: PLTW-CSE

Cybersecurity introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely.

21ST CENTURY LEARNING

FINANCIAL LITERACY - 400600

Period Offerings: Blocked; 1 Term; 1 Credit

UNI College Credit Opportunity: FIN 1040

See pages 7-9 for Guidelines

Financial Literacy will utilize the course curriculum from University of Northern Iowa's Financial Skills for Smart Living. This course will prepare students for their own personal financial well-being in life. The course will cover the main topics of personal finance at a broad level. Through reading, lectures, videos, interviews, and assignments, students will gain a better understanding for personal financial planning including setting goals, budgeting, saving, investing, insurance, credit, loans, making home and automobile purchases, retirement planning, and estate planning.

Students may earn 3 credit hours from the University of Northern Iowa by passing the for-credit final exam (FIN 1040).

ADDITIONAL COURSE OFFERINGS

BUSINESS INTERNSHIP - 220470

Elective Course

Period Offerings: Blocked; 1 Term; 1 Credit

Students will have the opportunity to participate in work experiences in fields related to business and marketing. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

CUB TV - 220550

Elective Course

Period Offerings: Period; 1 Semester; 1 Credit

****Students can take CUB TV for more than 1 semester***

This class provides students with the opportunity to produce a weekly news program, Cub TV. One of the most important aspects of this course is script writing - the rest of the program revolves around it. From there, you will arrange interviews, shoot video, edit audio and video, and package the weekly show. You will learn script writing, story design, interviewing techniques, editing, and more. Students must possess excellent reading and writing skills, a positive attitude and personality, and be responsible to do whatever necessary to run a successful program. Time management is important, as some filming and interviews will take place outside of the school day to meet deadlines.

APPROVAL THROUGH INTERVIEW & TEACHER RECOMMENDATIONS

HEALTH - 230200

Elective Course

Period Offerings: Blocked; 1 Term; 1 Credit

Health is designed as a semester long course to provide information in such a way that influences students to take positive actions about their own health. Some of the topics covered throughout the 2 terms are personal health; food and nutrition; environmental health; safety; consumer health; family life; human growth and development; substance abuse; emotional and social health; health resources; and prevention and control of disease.

IOWA JOBS FOR AMERICA'S GRADUATES (iJAG) - 400510

Elective Course

Period Offerings: Period; 1-semester; 1-credit

*Students may enroll in this course multiple semesters

*Students must meet requirements to participate in the program

Iowa Jobs for America's Graduates is a class offering and program that helps students build the skills they need to be successful in the classroom, on the job, and in life. Programming is delivered and designed by the iJAG group, in partnership with schools, and is offered during the school day. The program focus is to help students with barriers graduate, strengthen their workplace skills, and transition into post-secondary life.

LAUNCH - 400120

Elective Course

Period Offerings: Blocked: 1 Semester; 2+ Credits **OR** Double Block; 1 Semester; 4+ Credits

2 credits minimum

Students develop personal interest research based on the content of this department. Standards will be met based on course-approved standards list. An essential question will be created to guide the student through his or her research of the question through weekly guided conferences with a curriculum coach. A final showcase of the student's learning will demonstrate what was learned that may be presented to a community audience – LAUNCH: Language Arts, Science, Math, Social Studies, Fine Arts, or Elective

LEARNING LAB - 400450

Period Offerings: Period; 1 Term;

No Credit

During this 42-minute period, students will have the following opportunities:

- Follow-up instruction, re-teaching, and support of learning from a content area specialist.
- Extra work time and/or a structured work environment. Study skills and organization habits could also be addressed in short mini-lessons during this time, or on an as-needed basis.
- Students to drop in from another class to get content specific help.
- A structured learning environment for students in online classes.
- A structured learning environment for students not meeting expectations in other areas.

Students may be placed into Learning Lab at teacher or administrative discretion

LEARNING LAB ASSISTANT - 400460

Elective Course

Period Offerings: Period; 1 Semester; 1 Credit

Pass/Fail

Students could be registered as a Learning Lab assistant/tutor. Students would come support other students and act as a tutor or mentor. This would be a great opportunity for our students who have the passion for helping others and want to be involved in education to get some hands-on experience and make connections with kids. Students who want to serve as lab assistants would have to apply for the position, manage time wisely, and be a positive person and role model in this environment. Students would only be allowed to be lab assistants with instructor/administrator approval.

MENTORING INTERNSHIP - 400130

Elective Course

Period Offerings: Period; 1 Semester; 1 Credit

This course provides students with the opportunity to volunteer their time, energy, and talents to serve as a mentor to younger students. Students will use their volunteer experiences to learn how to solve problems, make decisions, communicate effectively, and develop empathy for others.

TEEN LEADERSHIP - 400110

Elective Course

Period Offerings: Period; 1 Semester; 1 Credit

Pass/Fail

The purpose of this course is to teach you personal, relational, and leadership skills so that you may realize more of your potential. This course will help grow you to be more of who you were meant to be by teaching the principles that are foundational to success both inside and outside of the classroom.

This course is different from the middle school offering.

OFFICIATING - 260950

Elective Course

Period Offerings: Period; 1 Semester; 1 Credit

Officiating is a one semester class that works with our students to learn what the avocation of officiating is all about. This will include how to get involved, character, sportsmanship, integrity, part of the game, uniforms, partners, schools, assignors, moving up, etc. Students will be given the information and help needed to potentially get certified to be registered officials through the IHSAA and IGHS AU, and perhaps even officiate some lower level contests here in Nevada and surrounding communities. There are planned guest speakers from different areas of high school sports to give students different perspectives on officiating. These speakers may include officials, ADs, coaches, and representatives from the state offices.

ROBOTICS - 700600

Elective Course

Period Offerings: Period; 2 Semesters; 2 Credits

Robotics is not only the future, it is also the present. By familiarizing yourself with programming, sensors, and automation, you will hone critical computational thinking skills needed to succeed in both the 21st century's workforce and in everyday life. Beyond science and engineering principles, robotics will encourage your creativity, teamwork, leadership, passion, and problem-solving among groups.

TAG STUDENT INTEREST EXPLORATION - 400510

Elective Course

Period Offerings: Period; 1-semester; 1-credit

Requirement: Must currently be identified as Talented and Gifted

Students may enroll in this course multiple semesters

This course offers a unique opportunity for gifted and talented students to develop their individual aptitudes, talents, and passions in a supportive environment. The course is a self-directed learning experience with small group communication skill building. The student is given the opportunity to develop real world skills such as decision-making, planning, and self-discipline, while investigating areas of interest in an in-depth, individualized method. All participating students are required to follow an approved learning contract which includes meeting weekly in a small group cohort and present a final product to an authentic community audience.

Unified: Art/Music/Physical Education - 260300

Elective Course

Period Offerings: Period; 1 Semester; 1 Credit

Unified Art/PE/Music is a class that adapts to all needs in art, physical education, and music class. Students will work in small groups (usually 1 on1) on physical, emotional, and social skills with their peers. Students are paired up to form a team to work on many skills. An integral part of the class is socialization and interpersonal skill development while engaging in a variety of activities. The course will focus on providing an enjoyable experience for our students where they can explore their emotions and their range of abilities through creative steps while providing the tools at an individual level to live a healthy and active life. Strong attendance is required for mentors.

RESOURCE CLASSES

DEPARTMENTAL APPROVAL REQUIRED FOR ALL CLASSES LISTED BELOW:

STUDY SKILLS - 300100

Elective Course

Period Offerings: Period or Blocked; Term or Semester(s); 1-4 credits

Recommended: Student with an IEP and Resource Instructor Approval.

This course works on individual skills according to a student's IEP needs. Direct instruction will be provided in the areas of reading, writing and math. Materials used will vary according to students' needs. A limited amount of time may be available for individual or small group tutoring.

LEARNING STRATEGIES - 300200

Elective Course

Period Offerings: Period; 1 Semester; 1 Credit

Recommended: Student with an IEP and Resource Instructor Approval

This course is designed to provide guided structure and practice in using various study skills and learning strategies in the areas of self-advocacy, reading, writing, test-taking, and long term planning. Recommended for 9th and 10th grades.

LIFE SKILLS - 300330

Elective Course

Period Offerings: Blocked; 2 Semesters; 4 Credits

Recommended: Student with an IEP and **Life Skills** Instructor Approval.

The focus of this course is to provide individual life skills that prepares students to engage in various functional community, home, and school activities. Through task analysis, prompting techniques, repetition, reinforcement, natural environment, mastery monitoring, discrete trial teaching, and transference of learned skills, students will increase their ability to become active and independent participants in daily living and social activities.

WORK EXPERIENCE or WORK SKILLS - 300230

Elective Course

Period Offerings: Blocked or Period; 1 or 2 semester(s); 1-4 credits

Recommended: Students with an IEP and Resource Instructor approval.

This course is designed to give students the opportunity to participate in short term supervised job experiences within the school and in the community. Students will begin to develop positive work habits and social skills conducive to being a positive and effective employee. Students will begin to develop areas of interest regarding employment and future job placement. Students will be encouraged to learn to motivate themselves to do their best, and be given a clear understanding of what an employer can expect from them.

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NCS D CORE Pre-Apprenticeship Program

NCS D – CORE PRE-CONSTRUCTION 1

Elective Course

Period Offerings: Period; 1 Semester; 1 Credit

A one semester course that is intended to provide the student with a head start on an Apprenticeship with ABC in the construction fields. The course consists of 3 Units of study: Unit 1 Employability Skills (Edmentum Course), Unit 2 - OSHA 10 Training, and Unit 3 ABC Core (Pearson course). The majority of the course work is done online; however, students will complete various lab activities at local businesses as well.

NCS D – CORE PRE-CONSTRUCTION 2

Elective Course

Period Offerings: Period; 1 Semester; 1 Credit

A one semester course that is intended to provide the student with a head start on an Apprenticeship with ABC in the construction fields. The course consists of ABC Level 1 Electric, Plumbing, and HVAC modules to be completed through Pearson as well as assignments, quizzes, and labs. The variety of trades that will be covered in this class will provide students with an opportunity to explore multiple occupations within construction related fields.

NCS D – CORE PRE-CONSTRUCTION 3

Elective Course

Period Offerings: Period; 1 Semester; 1 Credit

A one semester course that is intended to provide the student with a head start on an Apprenticeship with ABC in the construction fields. The course consists of an ABC Level 2 module of your choice in Electric, Plumbing, or HVAC to be completed through Pearson as well as assignments, quizzes, and job shadows. The course will allow you to further explore as well as gain additional knowledge about the field.

NCS D – CORE PRE-CONSTRUCTION 4

Elective Course

Period Offerings: Period; 1 Semester; 1 Credit

A one-semester course intended to provide students with hands-on experience in a chosen trade. This course is a 2-3 credit experience and must be taken as a block scheduled course with the potential for an additional 45 minute class period needed as well. Interested students will need to apply, interview and have a placement secured during the semester prior to taking this course. A reflection paper and presentation to the NCS D School Board are a required part of this course.

DMACC – CAREER ACADEMY

The following courses are for Juniors and Seniors only (unless approved by NHS administration) and are located at the Hunziker Center in Ames unless otherwise noted. Students must provide their own transportation, and both the student and parent must sign a separate registration form and contract.

As set forth by the Department of Education, any students who are not proficient on the ISASP in the areas of math, science, and reading are restricted from taking PSEO courses, online courses, dual credit courses, and DMACC Career Academy courses offered through the Hunziker Center in Ames.

AUTOMOTIVE MECHANICS TECHNOLOGY - 600120

Full Year - **DMACC CAREER ACADEMY, AMES**

High School Credits = 4

DMACC Credits - Year 1 = 12 credits

DMACC Credits - Year 2 = 11 credits

The Automotive Technology program is designed to prepare students for employment in the automotive service industry. This technological program allows students to gain experience with shop tools, automotive engines, brakes, suspension, and alignment. Twenty-three DMACC credits are available upon completion of all DMACC Career Academy course offerings.

Course Time Options: 7:30am–9:30am; 12:50pm–2:50pm

Year two courses include auto fuel systems, basic auto electricity, advanced auto electricity, and heating and air conditioning.

Course Time: 10:00am–11:50am

BUILDING TRADES/FINISH CARPENTRY - 600150

Full Year - **DMACC CAREER ACADEMY, AMES**

High School Credits = 4

DMACC Credits - Year 1 = 11 credits

DMACC Credits - Year 2 = 9 credits

This program allows students to engage in experiential learning in the areas of Construction and Carpentry. Twenty DMACC credits are available upon completion of all DMACC Career Academy course offerings. Completion of this program as a high school student provides the opportunity to complete the college diploma program in two college semesters.

Year two courses include Construction Techniques and Construction Drafting & Design.

Course Time Options: 7:30am–9:30am; 12:50pm–2:50pm

BUSINESS ACADEMY – 600290

½ Year (Fall or Spring Semester) - **DMACC CAREER ACADEMY, AMES**

High School Credits = 2

DMACC Credits = 6

The Business Academy is an exploratory academy for students who have an interest in entering the business profession but are not sure what pathway they want to go. Students are provided a foundation of business-related courses that will prepare them for entrance in multiple business-related postsecondary opportunities. Six DMACC credits are available upon completion.

Course Time: 12:50pm–2:50pm

CERTIFIED NURSING ASSISTANT – 600140

½ Year (Spring Semester Only) - **STORY COUNTY MEDICAL CENTER, NEVADA**

Recommended: Biology

High School Credits = 2

DMACC Credits = 6

Course includes Nurse Aide and Advanced Nurse Aide, both of which are required. Requires up to 150 hours of clinical work and/or labs. Students will have the option to pay for the CNA certification test at the completion of the class. NEVADA HIGH SCHOOL DOES NOT PAY FOR THE CNA CERTIFICATION EXAM.

Course Requirements:

- Students must be 16 years of age on the first day of class.
- Students must successfully pass a criminal background check.
- Students must show proof of immunization in each of the following:
 - TB Skin Test, Tetanus, Chicken Pox, Hepatitis B, MMR, and Flu Vaccine (October-April only)
- Students must be CPR Certified prior to the start of Advanced CNA (HSC 182)
- State requires a 10-1 student to teacher ratio. Priority for enrollment is given to seniors and students who take Health Occupations in the fall.

Course Time: 7:30am–9:30am

CRIMINAL JUSTICE – 600170

Full Year - **DMACC CAREER ACADEMY, AMES**

High School Credits = 4

DMACC Credits = 12

The Criminal Justice program introduces students into the field of criminal justice and a survey of its agencies, as well as an introduction to criminology and juvenile delinquency. This program prepares students to consider a career of service in a variety of areas and lays the foundation of a college major of criminal justice. Twelve DMACC credits are available upon completion of all DMACC Career Academy course offerings.

Course Time Options: 7:30am–9:30am; 12:50pm–2:50pm

CULINARY ARTS – 600180

Full Year - **DMACC CAREER ACADEMY, AMES**

High School Credits = 4

DMACC Credits = 14

Through hands-on experience, students are introduced to scientific food-preparation principles, the hospitality industry, and fundamentals of dining and sanitation. Fourteen DMACC credits are available upon completion of all DMACC Career Academy course offerings.

Course Time Options: 7:30am–9:30am; 12:50pm–2:50pm

HEALTH OCCUPATIONS – 600220

½ Year (Fall Semester Only) - **STORY COUNTY MEDICAL CENTER, NEVADA**

Recommended: Biology

High School Credits = 2

DMACC Credits = 8

This is a two-term course which provides an overview of many occupations within the healthcare field, as well as introducing the student to health care concepts and skills. Topics include a history of healthcare in the U.S., legal and ethical responsibilities, leadership, and job seeking/getting. Specific skills include certification in basic life support, first aid, and assessment skills.

Course Time: 7:30am–9:30am

TEACHER ACADEMY - 600280

Full Year - **DMACC CAREER ACADEMY, AMES**

High School Credits = 4

DMACC Credits = 8

The Teacher Academy provides students with an opportunity to explore education-related professions and take part in real-life teaching experiences. Students will spend a total of 120 hours shadowing elementary and secondary school teachers during portions of their assigned class time. Courses fulfill the Level I Field Experience requirement at many four-year colleges.

Course Time: 7:30am-9:30am

WELDING - 600300

Full Year - **NEVADA HIGH SCHOOL, NEVADA**

High School Credits = 4

DMACC Credits = 10

This program allows students to engage in experiential learning in the area of welding. In addition to a welding skill base, students will explore the greater career field of advanced manufacturing through workplace experience. Ten credits are available upon completion of all DMACC Career Academy course offerings.

Course Time: 7:30am-9:30am

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DMACC – ONLINE CAREER ACADEMY

In the link below you will find online course options that will meet core requirements for an Associate of Arts degree at DMACC. If you are planning to attend a college other than DMACC after high school graduation, you will want to discuss coursework with that future institution early in the process to maximize credit transferability.

DMACC - Semester Offerings - [LINK](#)

- *Click the link*
- *Then select the semester - Fall or Spring*
- *Next, select "Online" from the checkboxes.*
- *Finally, click "View Schedule"*

Courses listed in the link below are what is referred to as the DMACC First 32. These courses also meet the criteria to transfer as a core course at all 3 Regent Universities (Iowa, ISU, and UNI).

DMACC - First 32 - [LINK](#)

Courses that are not part of the DMACC First 32 could still transfer to a regent or other institution but may not transfer as direct credit. Please visit their website at www.dmacc.edu for college information, and course descriptions.

Edmentum Course Offerings

At Nevada High School we work to create flexibility for our students. Students have the opportunity to schedule themselves, and an option for their scheduling includes online classes. We maintain that students have a variety of options in how they approach their schooling - in-person or online. Each programming option comes with its own set of expectations and course options for students.

In-Person Learning - Available Classes

If a student is an in-person learner, the expectation is that students will take their core classes in-person through certified teachers in the building. Additionally, if there is an equivalent course that is offered in-person, it is expected to be taken in that capacity before attempted online. As a result, the online classes that are available to students are more limited.

In-Person Learning - Course Options - [LINK](#)

Exceptions allowing for other courses to be taken include credit recovery, unavoidable scheduling conflicts, and administrative discretion.

Online Learners - Available Classes

If a student is an online learner, the expectation is that students will take their core classes online through the district approved Edmentum system. Students may only take an in-person course if there is no suitable online equivalent. Examples include but are not limited to band, choir, metals, woods, etc.

Online Learning - Course Options - [LINK](#)

Board of Regents RAI Information



Iowa high school graduates must achieve a Regent Admission Index (RAI) score of at least 245 and take the minimum number of required high school courses to qualify for automatic admission as freshmen to Iowa State University, the University of Northern Iowa, and the College of Liberal Arts and Sciences at the University of Iowa. The RAI Core Course Lists provide each Iowa high school with a list of their respective courses that are accepted for the RAI. Students who achieve a score less than 245 will be considered for admission on an individual basis.

The RAI combines factors that strongly predict success at the Regent Universities: ACT or SAT test score, high school cumulative grade-point average and the number of completed high school core courses.

Below is a detailed description of the RAI formula:

$$\begin{array}{rcl} & \text{ACT Composite Score (x3)} & \\ + & \text{Cumulative GPA (x30)} & \\ + & \text{Number RAI-approved high school courses completed in the core subject areas (x5)} & \\ \hline = & \text{Total RAI Score} & \end{array}$$

[RAI Information](#)

[RAI Core Course Lists](#)

	MINIMUM COURSE REQUIREMENTS FOR ADMISSION			OPTIMUM RECOMMENDATIONS FOR SUCCESS
	IOWA STATE UNIVERSITY	IOWA	UNI / University of Northern Iowa	
ENGLISH	4 YEARS emphasizing writing, speaking, reading, as well as an understanding and appreciation of literature.	4 YEARS with an emphasis on the analysis and interpretation of literature, composition and speech	4 YEARS including one year of composition, also may include one year of speech, communication or journalism	4 YEARS with an emphasis on the communication skills of writing, reading and listening, and the analysis and interpretation of literature. In addition, courses in journalism and media literacy will be valuable. Extracurricular activities in debate, speech contest, newspaper and yearbook will further develop essential competencies.
MATH	3 YEARS including one year each of algebra, geometry and advanced algebra.	3 YEARS including two years of algebra and one year of geometry for admission to the College of Liberal Arts and Sciences. 4 YEARS including two years of algebra, one year each of geometry and higher math (trigonometry, analysis or calculus) for admission to the College of Engineering.	3 YEARS including the equivalent of algebra, geometry and algebra II.	4 YEARS one in each year of high school. While advanced courses like calculus and statistics are good, it's more important that you gain a complete understanding of algebra II and trigonometry.
NATURAL SCIENCE	3 YEARS including at least two years of courses which emphasize elements of biology, chemistry, or physics.	3 YEARS including courses in physical science, biology, chemistry, environmental science and physics for admission to the College of Liberal Arts and Sciences. 3 YEARS with at least one year each in chemistry and physics for admission to the College of Engineering. Nursing—3 years, including one year each of biology, chemistry and physics.	3 YEARS including courses in general science, biology, chemistry, earth science or physics. Laboratory experience is highly recommended.	4 YEARS one in each year of high school. To be better prepared, take at least one year each of biology, chemistry and physics. These can be taken in any order and may be taught productively in either a separate or an integrated fashion, depending on your school's offerings.
SOCIAL STUDIES	2 YEARS for admission to Colleges of Agriculture and Life Sciences, Business, Design, Engineering and Human Sciences. 3 YEARS for admission to the College of Liberal Arts and Sciences.	3 YEARS with U.S. history and world history recommended for admission to the College of Liberal Arts and Sciences. 2 YEARS with U.S. history and world history recommended for admission to the College of Engineering.	3 YEARS including courses in anthropology, economics, geography, government, history, psychology or sociology.	3 YEARS is essential, but four is better. Take at least one year each of U.S. and world history. Additional courses in anthropology, economics, political science, psychology and sociology provide an important understanding of our political, social and economic institutions.
FOREIGN LANGUAGE	2 YEARS of a single foreign language for admission to the Colleges of Engineering and Liberal Arts and Sciences.	2 YEARS of a single foreign language are required for admission. For many degrees, the fourth year of proficiency is required for graduation. Nursing—4 years in a single language or two years each in two different languages.	Foreign language courses are not required for admission. However, two years of foreign language in high school with a C- or above in the last course will meet the university graduation requirement.	4 YEARS of a single foreign language. By taking foreign language during all four years of high school, you'll go beyond the basic skills and begin to use the language and reinforce your fluency.
OTHER COURSES	Specific elective courses are not required for admission.	Specific elective courses are not required for admission.	2 YEARS years of additional courses from the required subject areas, foreign language, or the fine arts.	Explore! Courses in the fine arts, performing arts, computers, or technology will help round out your high school experience. Your future field of concentration or career may lie in one of those areas. Follow your interests, talents, and the strengths of your school. Remember to choose courses with high academic standards.

NCAA Approved Core Courses for Initial Eligibility

English

Advanced Creative Writing
Advanced Communication
College Prep Composition
Contemporary American Literature
Creative Writing
Early American Literature
English 9
Honors English 9
Modern American Literature
Essentials of Speech
Western Literature
World Literature
Written Communication

Mathematics

Advanced Math
Algebra 1
Algebra 1B
Algebra 2
Geometry
Calculus
Probability & Statistics

Social Science

Economics
Geography
Global Insights
Government
Psychology
Sociology
World History
U.S. History

Natural/Physical Science

Biology
Chemistry
Anatomy & Physiology
Honors Biology
Honors Chemistry
Integrated Science
Physics

Additional Core Courses

Spanish 1, 2, 3, 4

All other courses not listed DO NOT QUALIFY as NCAA courses and therefore cannot be used for initial-eligibility certification.

Division I Academic Standards

Division I schools require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of full-time enrollment, you must meet the following requirements:



1. Earn 16 NCAA-approved core-course credits in the following areas:

ENGLISH	MATH (Algebra I or higher)	SCIENCE (Including one year of lab, if offered)	EXTRA (English, math or science)	SOCIAL SCIENCE	OTHER Any area listed to the left or courses listed in additional discipline (world language, comparative religion or philosophy)
4 years	3 years	2 years	1 year	2 years	4 years

2. Complete your 16 NCAA-approved core-course credits in eight academic semesters or four consecutive academic years from the start of ninth grade. If you graduate from high school early, you still must meet core-course requirements.
3. Complete 10 of your 16 NCAA-approved core-course credits, including seven in English, math or science, before the start of your seventh semester. Once you begin your seventh semester, any course needed to meet the 10/7 requirement cannot be replaced or repeated.
4. Earn a minimum 2.3 **core-course GPA**.
5. Ask your high school counselor to upload your **final official transcript** with proof of graduation to your Eligibility Center account.

EARLY ACADEMIC QUALIFIER

If you meet **specific criteria** after six semesters of high school, you may be deemed an early academic qualifier for Division I and may practice, compete and receive an athletics scholarship during your first year of full-time enrollment.

QUALIFIER

You may practice, compete and receive an athletics scholarship during your first year of full-time enrollment.

ACADEMIC REDSHIRT

You may practice during your first regular academic term and receive an athletics scholarship during your first year of full-time enrollment but may NOT compete during your first year of full-time enrollment. You must pass either eight quarter or nine semester hours to practice in the next term.

NONQUALIFIER

You will not be able to practice, compete or receive an athletics scholarship during your first year of full-time enrollment.



ELIGIBILITY CENTER

1

GRADE
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REGISTER

- » If you haven't yet, **register** for a free Profile Page account at eligibilitycenter.org for information on NCAA initial-eligibility requirements.
- » Use NCAA Research's **interactive map** to help locate NCAA schools you're interested in attending.
- » Find your high school's list of NCAA-approved core courses at eligibilitycenter.org/courselist to ensure you're taking the right courses, and earn the best grades possible!

GRADE
10
PLAN

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

GRADE
11
STUDY

- » Ensure your **sports participation** information is correct in your Eligibility Center account.
- » Check with your high school counselor to make sure you're on track to complete the required number of NCAA-approved **core courses** and graduate on time with your class.
- » Share your **NCAA ID** with NCAA schools recruiting you so each school can place you on its **institutional request list**.
- » At the end of the school year, ask your high school counselor from each school you attend to upload an official transcript to your Eligibility Center account.

GRADE
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GRADUATE

- » **Request your final amateurism certification** beginning April 1 (fall enrollees) or Oct. 1 (winter/spring enrollees) in your Eligibility Center account at eligibilitycenter.org.
- » Apply and be accepted to the NCAA school you plan to attend.
- » Complete your final NCAA-approved **core courses** as you prepare for graduation.
- » After you graduate, ask your high school counselor to upload your final **official transcript** with proof of graduation to your Eligibility Center account.

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

$$4 \times 4 = 16$$

9th GRADE

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

4 CORE COURSES

10th GRADE

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

4 CORE COURSES

11th GRADE

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

4 CORE COURSES

12th GRADE

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

4 CORE COURSES

CONTACT THE NCAA ELIGIBILITY CENTER

U.S. and Canada (except Quebec):
877-262-1492 (toll free), Monday-Friday
9 a.m. to 5 p.m. Eastern time
International (including Quebec):
on.ncaa.com/IntlContact



• @ncaaec • @ncaaec • @ncaaec • @playcollegesports



ELIGIBILITY CENTER

Division II Academic Standards

Division II schools require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of full-time enrollment, you must meet the following requirements:

NCAA DIVISION II

MAKE IT *YOURS*

1. Earn 16 NCAA-approved core-course credits in the following areas:

ENGLISH	MATH (Algebra I or higher)	SCIENCE (including one year of lab, if offered)	EXTRA (English, math or science)	SOCIAL SCIENCE	OTHER Any area listed to the left or courses listed in additional discipline (world language, comparative religion or philosophy)
3 years	2 years	2 years	3 years	2 years	4 years

2. Earn a minimum 2.2 **core-course GPA**.
3. Ask your high school counselor to upload your **final official transcript** with proof of graduation to your Eligibility Center account.

EARLY ACADEMIC QUALIFIER

If you meet **specific criteria** after six semesters of high school, you may be deemed an early academic qualifier for Division II and may practice, compete and receive an athletics scholarship during your first year of full-time enrollment.

QUALIFIER

You may practice, compete and receive an athletics scholarship during your first year of full-time enrollment.

PARTIAL QUALIFIER

You may practice and receive an athletics scholarship but may **NOT** compete during your first year of full-time enrollment.



ELIGIBILITY CENTER

1

GRADE
9
REGISTER

- » If you haven't yet, **register** for a free Profile Page account at eligibilitycenter.org for information on NCAA initial-eligibility requirements.
- » Use NCAA Research's **interactive map** to help locate NCAA schools you're interested in attending.
- » Find your high school's list of NCAA-approved core courses at eligibilitycenter.org/courselist to ensure you're taking the right courses, and earn the best grades possible!

GRADE
10
PLAN

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

GRADE
11
STUDY

- » Ensure your **sports participation** information is correct in your Eligibility Center account.
- » Check with your high school counselor to make sure you're on track to complete the required number of NCAA-approved **core courses**.
- » Share your **NCAA ID** with NCAA schools recruiting you so each school can place you on its **institutional request list**.
- » At the end of the school year, ask your high school counselor from each school you attend to upload an official transcript to your Eligibility Center account.

GRADE
12
GRADUATE

- » **Request your final amateurism certification** beginning April 1 (fall enrollees) or Oct. 1 (winter/spring enrollees) in your Eligibility Center account at eligibilitycenter.org.
- » Apply and be accepted to the NCAA school you plan to attend.
- » Complete your final NCAA-approved **core courses** as you prepare for graduation.
- » After you graduate, ask your high school counselor to upload your final **official transcript** with proof of graduation to your Eligibility Center account.

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

$$4 \times 4 = 16$$

9th GRADE

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

4 CORE COURSES

10th GRADE

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

4 CORE COURSES

11th GRADE

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

4 CORE COURSES

12th GRADE

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

4 CORE COURSES

MAKE IT *YOURS*

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NCAA ELIGIBILITY CENTER

2

NCAA is a trademark of the National Collegiate Athletic Association. September 2023.

Language Arts Pathways

8 credits required to graduate

**General Graduation
Requirements
(2-Year College)**

OR

**Minimum College Prep
Requirements
(4-year college/university)**

**Language Arts Enrichment
(4-year college/university)**

9

English 9
(2 Credits)

10/11

Written Communication
(2 Credits)

Essentials of Speech
(1 Credit)

11/12

Literature

Beyond the Veil
Contemporary American
Early American
Modern American
Poetry
Western
World

(1 Credit)

Composition

Composition
College Prep Comp

(1 Credit)

Other Elective Course

Creative Writing
Advanced Creative Writing
DMACC - LIT 101
DMACC - ENG 105
DMACC - ENG 106

(1 Credit)

8/9

Honors English 9
(2 Credits)

9/10

Written Communication
(2 Credits)

Essentials of Speech
(1 Credit)

11/12

Literature

Beyond the Veil
Contemporary American
Early American
Modern American
Poetry
Western
World

(1 Credit)

Composition

College Prep Comp
DMACC - ENG 105
DMACC - ENG 106

(1 Credit)

Other Elective Course

Creative Writing
Advanced Creative Writing
DMACC - LIT 101
DMACC - ENG 105
DMACC - ENG 106

(1 Credit)

Math Pathways

6 credits required to graduate

Remedial 1 Graduation Requirements

Remedial 1 & 2 Math pathways are accompanied with a required Math Skills Lab for Algebra 1, Geometry, and Algebra 2. Math skills lab will be applied based on variety of data inputs from middle school math performance.

Foundations of Math
(2 Credits)

9

Algebra 1
(2 Credits)

10

Geometry
(2 Credits)

11

Optional

Algebra 2
(2 Credits)

Remedial 2 Graduation Requirements (2-Year College)

Algebra 1
(2 Credits)

Geometry
(2 Credits)

Algebra 2
(2 Credits)

Optional

Probability &
Statistics
(2 Credits)

General Graduation Requirements (4-Year College/University)

Algebra 1
(2 Credits)

Geometry
(2 Credits)

Algebra 2
(2 Credits)

Probability & Statistics
(2 Credits)

Advanced Math
(2 Credits)

Math Enrichment College Preparation (4-Year College/University)

Algebra 1
(2 Credits)

Geometry
(2 Credits)

Algebra 2
(2 Credits)

Probability & Statistics
(2 Credits)

DMACC - MAT162

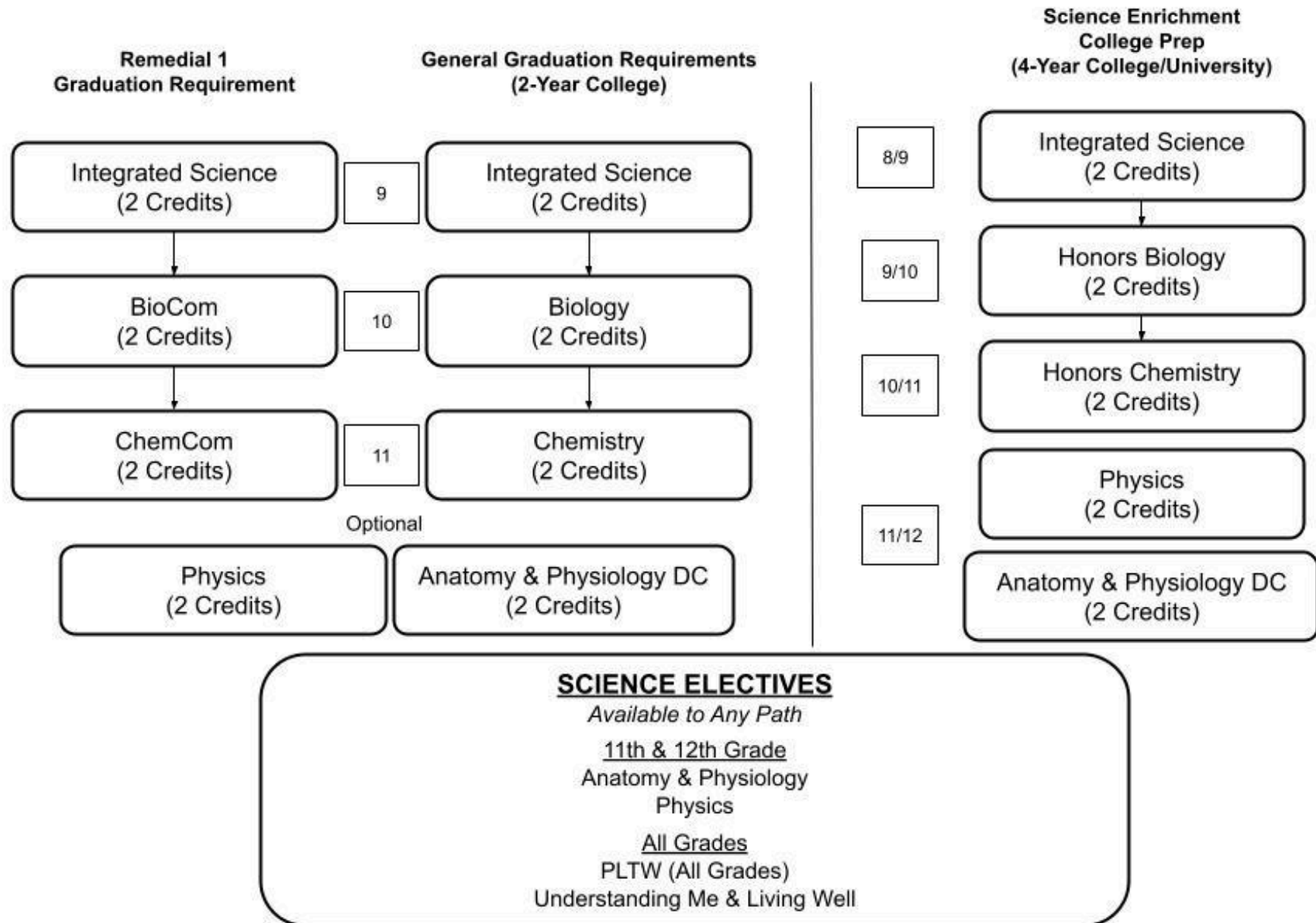
Advanced Math
(2 Credits)

Calculus
(2 Credits)

ISU - MAT165

Science Pathways

6 credits required to graduate

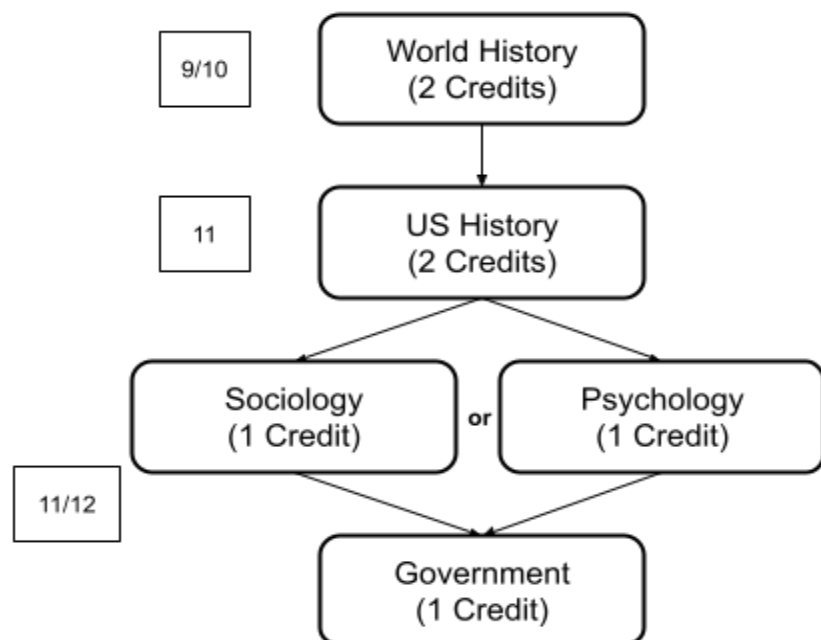


Social Studies Pathways

**General Graduation
Requirements
(2-Year College)**

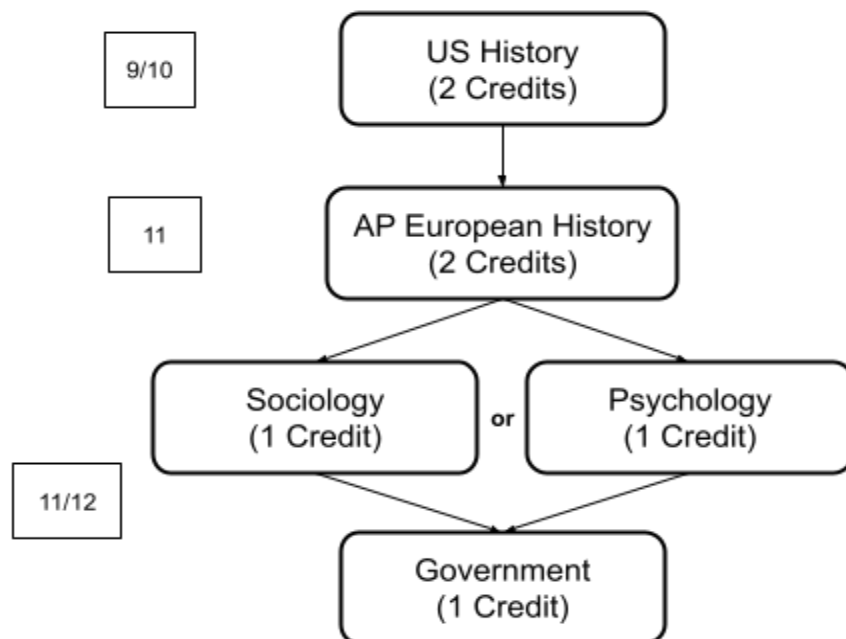
OR

**Minimum College Prep
Requirements
(4-year college/university)**



6 credits required to graduate

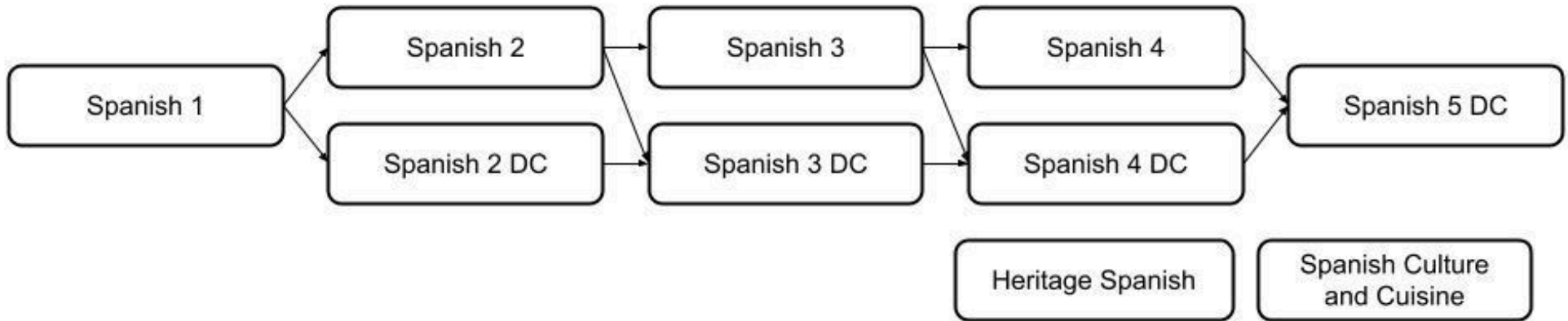
**Social Studies Enrichment
College Prep
(4-year college/university)**



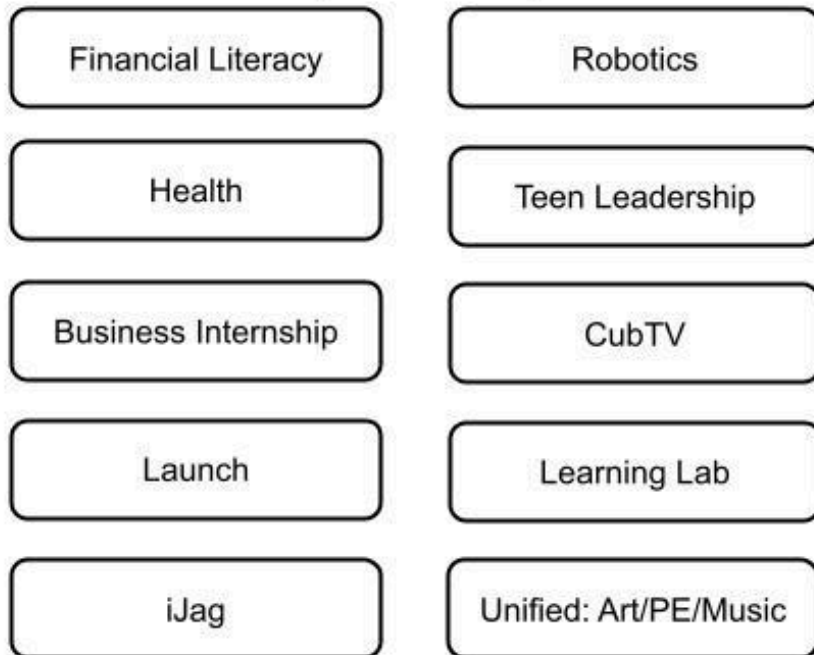
Elective Courses



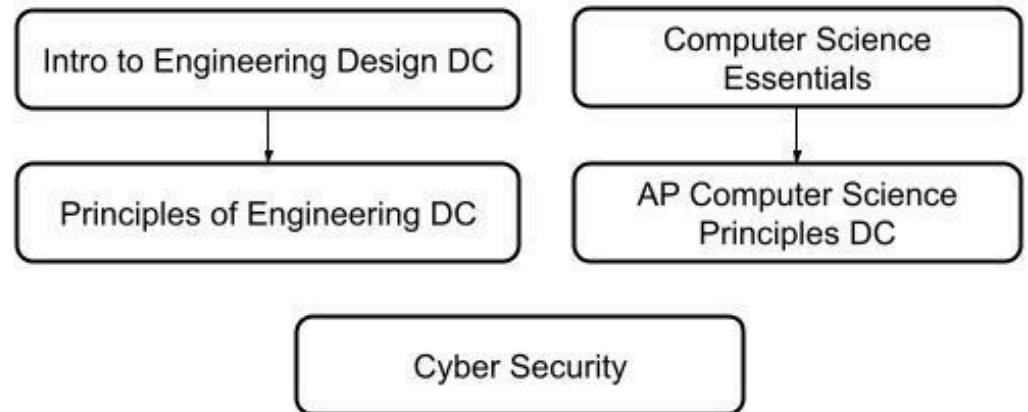
World Language - Spanish Sequence



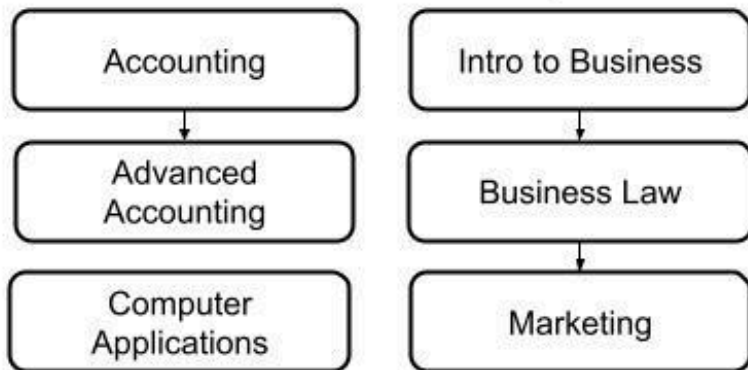
Electives



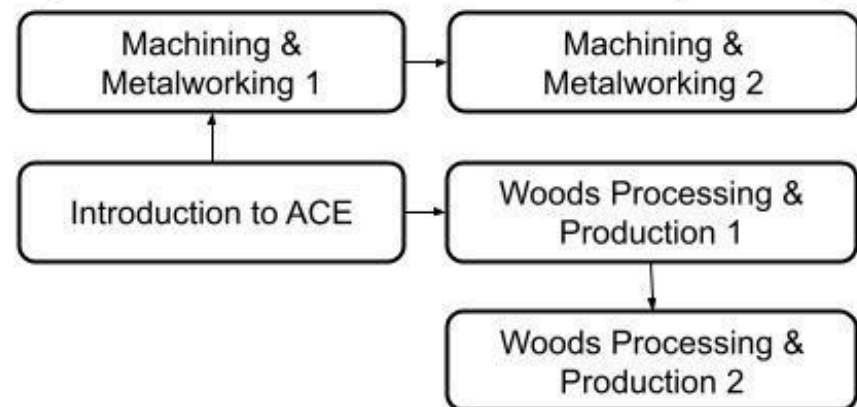
Project Lead The Way



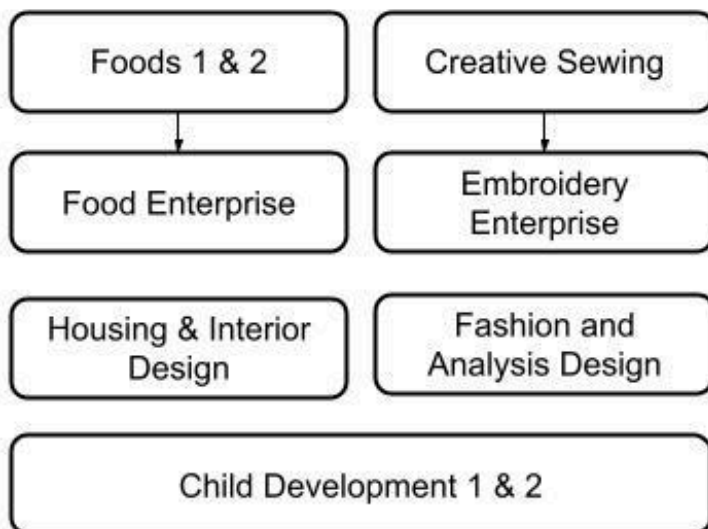
Business Course Sequence



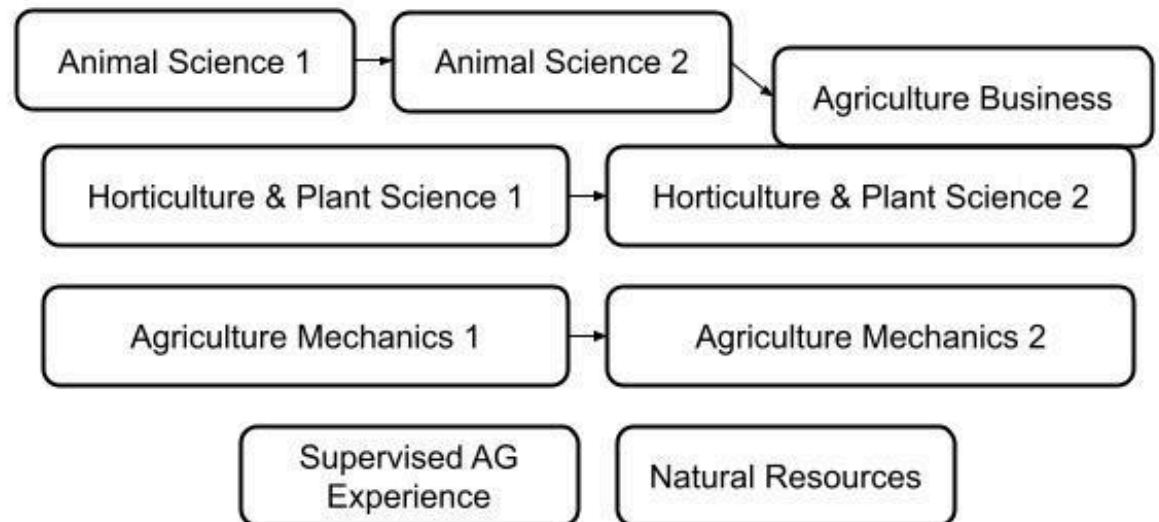
Industrial Tech Course Sequence



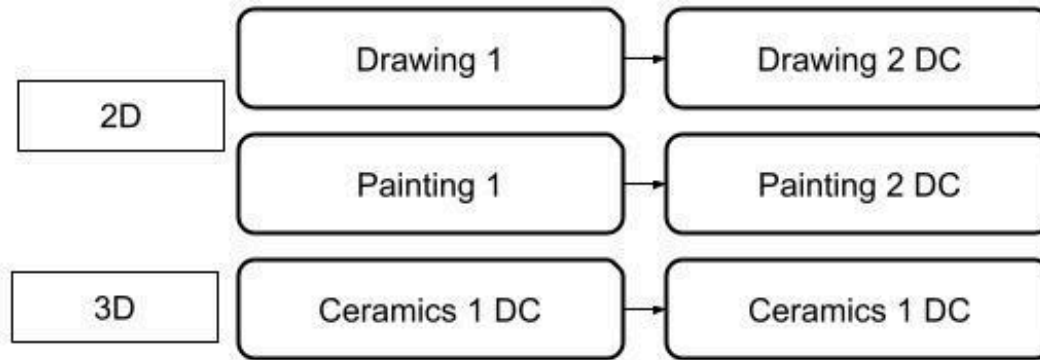
FCS Course Sequence



AG Course Sequence



Fine Arts - Art Pathways



PE Pathways



Fine Arts - Music Pathways

