



# **Union High School Registration Handbook**




2023-2024

*Education to Meet Tomorrow's Challenges*

# Union High School – Registration Handbook

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COURSE KEY	
	Regent Admission Index (RAI) approved course
	Hawkeye Community College credit course
	Advanced Placement course

**Regent Admission Index (RAI) Explanation:**

The Regent Admission Index (RAI) is a calculation used by the Regent universities for admission into their schools. It is calculated by using a student's cumulative grade point average, ACT Composite Score, and the years of core courses taken. Students that have a RAI Score of 245 or higher can gain automatic admission into the three Regent universities pending all other admission requirements are met. Students calculate their estimated RAI their junior year in Careers class. The image from the Key above indicates that the course is used in the calculation of the RAI Score. The RAI no longer uses student's class rank in their calculation.

## GENERAL INFORMATION

### **GRADUATION REQUIREMENTS:**

To earn a high school diploma from Union High School, students must earn 54 credits and have passed the required classes from the list below. Specific curricular area standards are listed and include both state and local course requirements. A regular academic course will be completed in 12 weeks with trimester scheduling, will equate to 1 credit, and are included in a student's Grade Point Average (GPA). Non-academic courses (PE, Work Study, and Driver's Ed) will equate to 0.5 credit and are not included in a student's GPA. As of the 2022-23 school year, Band and Chorus are considered academic. *If a student has transferred into the district from a semester-based high school, a sliding scale based on entry date will be used to determine the number of required credits; students should meet with the counselor to review credits.*

#### **ENGLISH REQUIREMENT:**

- |   |                                    |
|---|------------------------------------|
|   | <b>4 years/8 trimester credits</b> |
| a. English I A & B (9 <sup>th</sup> grade)        | 2 credits                          |
| b. English II A & B (10 <sup>th</sup> grade)      | 2 credits                          |
| c. English III A & B <u>or</u> Composition I & II | 2 credits                          |
| d. Elective                                       | 2 credits                          |

#### **MATHEMATICS REQUIREMENT:**

- |                |                                    |
|----------------|------------------------------------|
|                | <b>3 years/6 trimester credits</b> |
| a. Six credits | 6 credits                          |

#### **SCIENCE REQUIREMENT:**

- |   |                                    |
|---|------------------------------------|
|   | <b>3 years/6 trimester credits</b> |
| a. Physical Science A & B (9 <sup>th</sup> grade) | 2 credits                          |
| b. Biology A & B (10 <sup>th</sup> grade)         | 2 credits                          |
| c. Chemistry A & B (11 <sup>th</sup> grade)       | 2 credits                          |

#### **SOCIAL STUDIES REQUIREMENT:**

- |  |                                    |
|--|------------------------------------|
|  | <b>3 years/6 trimester credits</b> |
| a. World Studies A & B (9-10 <sup>th</sup> grade)  | 2 credits                          |
| b. American History A & B (11 <sup>th</sup> grade) | 2 credits                          |
| c. Government (12 <sup>th</sup> grade)             | 1 credit                           |
| d. Elective  | 1 credit                           |

#### **OTHER REQUIREMENTS:**

- |   |                            |
|---|----------------------------|
|   | <b>4 trimester credits</b> |
| a. Computer Applications (9 <sup>th</sup> grade)              | 1 credit                   |
| b. Health I (10 <sup>th</sup> grade)                          | 1 credit                   |
| c. Careers <u>or</u> Exploring Careers (11 <sup>th</sup> gr.) | 1 credit                   |
| d. Personal Finance (11 <sup>th</sup> grade)                  | 1 credit                   |

#### **PHYSICAL EDUCATION**

1.0-1.5 credits required each year

**The responsibility of meeting the graduation requirements lies with the student.**

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### **COURSE REGISTRATION:**

Students will be given the opportunity to review their transcript prior to course registration each spring in advisory or with the school counselor. This includes checking their total credits, cumulative grade point average, class rank, and required courses taken. Students will also be given access to their four-year plan (original paper copy and/or online version used in My Academic Plan or their Google Docs) and an opportunity for career exploration.

Students must maintain a minimum of four (4) academic classes in their schedule each trimester; less than that must have administrative approval. Online classes, including college, do not count towards your four (4) classes. Students must take a Physical Education course each trimester unless they are waiving it for one sport or if they are a senior and have a full schedule (6 classes). In either occasion, a PE waiver form must be signed by the student and a parent/guardian and returned to the school counselor by the start of the trimester. If a student should drop out of their sport, they will have to make-up their PE credit during the next trimester, which means taking a daily PE class instead of every-other day.

### **Seniors may take a senior release if the following requirements are met:**

1. Seniors must be proficient on two (2) of the three (3) core subject areas on the Iowa Statewide Assessment of Student Progress (ISASP) tests from their prior year or make growth (see the principal or school counselor for this information).
2. Seniors must have a minimum 2.5 grade point average from the previous trimester (not cumulative).
3. Seniors must enroll in at least four (4) academic credit classes and must also take and successfully complete Physical Education (unless waived for a sport) each trimester. Online classes, including college, do not count towards your four (4) classes.
4. Participating students must enter and exit from the main office if their arrival or departure time is other than the beginning or end of the traditional school day. Students should not arrive early or stay when they should be leaving to walk the halls. If these rules are not followed, the privilege will be revoked.
5. The privilege of senior release may be suspended or revoked in the case of:
  - a. Excessive absences, tardies, or disciplinary action.
  - b. Being on the “F” list for two (2) or more weeks in a row.
6. This privilege is pending detention hours:
  - a. Students with more than three (3) hours of detention at the start of a trimester will not be granted a senior release for the entire trimester.
  - b. Students who have less than three (3) hours of detention at the start of a trimester will have seven (7) days to complete their time. If it is not completed in seven (7) days, their privilege is revoked.
  - c. Students who begin the trimester with a release and then receive upwards of three (3) hours of detention during that trimester will have their release revoked.
7. It is the student’s responsibility to keep track of modified schedules so they are not tardy to class.

Seniors wanting a senior release must fill out the Senior Release Form each trimester and have signatures from the At Risk and Activities Director regarding detention hours, a parent, and the school counselor.

### **CHANGING SCHEDULES & DROPPING CLASSES:**

Students have three (3) days to change their schedule without penalty unless there is administrative approval. After the first three (3) days of the trimester, students may drop a class within the first two (2) weeks of the course pending they maintain four credits in their schedule. Students will have study hall added to their

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schedule. Students that drop after two weeks will receive an “F” grade and study hall will be added to their schedule.

Students enrolled in concurrent or PSEO college classes must follow the drop policy of the college. For example, Hawkeye Community College courses dropped after the first two weeks up until the last two weeks of the semester would result in a “W” grade on your college and high school transcript. In order to withdraw from a college class for a “W” you must still maintain four academic classes in your schedule or the withdrawal would result in an “F” on your high school transcript.

### **EARLY GRADUATION:**

Mid-year graduation is designed to allow students who have completed all academic requirements the opportunity to finish their senior year at the end of first or second trimester. Each student should consider the advantages and disadvantages of this choice in discussion with their parents and the school counselor. If the student wishes to graduate early, they must meet with the school counselor and complete the official early graduation request form. This form requires signatures from the student as well as a parent/guardian. The official early graduation request form is due to the school counselor about six weeks prior to the end of the trimester.

There may be instances where a student may graduate prior to grade twelve. Per Board Policy 505.6, a student may graduate prior to their senior year (end of junior year) if they meet the minimum graduation requirements. Each student should consider the advantages and disadvantages of this choice in discussion with their parents and the school counselor. If the student wishes to graduate early, they must meet with the school counselor and complete the official early graduation request form. This form requires signatures from the student as well as a parent/guardian. The official early graduation request form is due to the school counselor by the end of the first trimester of their junior year.

### **CREDIT RECOVERY:**

Union High School does not offer summer school for students that fail required courses. The online program Odysseyware is utilized for credit recovery if a student wishes not to return to the classroom of a failed course. Please note these classes are challenging and not an easy credit. They are graded Pass/Fail and will not count towards a student’s grade point average. The courses are supervised by a trained staff member. Students interested in learning more or enrolling should consult with the school counselor.

## **EARLY COLLEGE OPTIONS**

### **ADVANCED PLACEMENT COURSES:**

Union High School offers the Advanced Placement (AP) course Literature and Composition within our building. Students who complete the course can elect to take an AP exam in May. Many colleges and universities accept AP courses for college credit depending upon individual AP exam scores. Union High School grades AP courses on a 5.0 grading scale (weighted) unlike traditional high school courses on a 4.0 grade scale (unweighted). Union High School also has other AP electives, such as Calculus AB and Statistics, which can be taken online through Iowa Online AP Academy (IOAPA). If you are interested in pursuing an AP class online, you must have this discussion with the school counselor during course registration. AP classes cannot replace required core classes for graduation and will be counted as an elective credit.

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### **CONCURRENT ENROLLMENT COURSES:**

Concurrent credit classes are community college classes contracted with the high school. Students receive both high school and college credit for passing the class. Students should expect to be doing college level work in these classes. Teachers have set requirements which come from the college that students must meet to pass the class. College credit accumulates on a Hawkeye Community College transcript and is usually accepted as transfer credit at other colleges and universities, depending on a student's major. These classes must be passed to receive credit and failing one will show up as an "F" grade on both your high school and college transcript. Most colleges require classes to be passed with a "C" grade or higher in order for it to satisfy the liberal arts or major course requirements. These courses may excuse you from taking an identical course at the college level, at the college's discretion.

Students taking a concurrent enrollment course must meet and follow all course guidelines of the respective college and understand that course performance becomes part of the individual's permanent college record. Students with an IEP or 504 plan may want to apply for accommodations through Student Services at Hawkeye Community College; students can see the school counselor for help.

Students must meet the proficiencies in all areas on the most recent Iowa Statewide Assessment of Student Progress (ISASP) and the proficiency measures set by Hawkeye Community College to be eligible to take concurrent classes, except for courses that are considered Career Technical Education (CTE). Hawkeye Community College proficiencies can be met through cumulative GPA, Accuplacer and/or ACT scores. ISASP proficiencies are listed below:

Grade	Math Proficiency	Science Proficiency	English Lang. Arts Prof.
8	490+	508+	494+
9	513+	-	505+
10	537+	545+	530+
11	513+	-	561+

### **CONCURRENT COURSES OFFERED AT UHS**

- Accounting (CTE) – Introduction to Accounting (ACC115) = 4 semester hours
- Accounting (CTE) – Introduction to Accounting II (ACC116) = 4 semester hours
- Ag Ed (CTE) – Farm Business Management (AGB330) = 3 semester hours
- Ag Ed (CTE) – Principles of Agronomy (AGA114) = 3 semester hours
- Ag Ed (CTE) – Survey of the Animal Industry (AGS113) = 3 semester hours
- Business – Introduction to Business (BUS102) = 3 semester hours
- Computer – Introduction to Computers (CSC110) = 3 semester hours
- Education – Foundations of Education (EDU210) = 3 semester hours
- Education – Academic Service Learning Experience (EDU901) = 1 semester hour
- Hospitality Management – Menu Planning and Design (HCM240) = 2 semester hours
- Hospitality Management – Event Planning and Customer Service I (HCM336) = 3 semester hours
- Hospitality Management – Introduction to Hospitality (HCM608) = 3 semester hours
- Industrial Technology (CTE) – Gas Metal Arc Welding: Short Circuit-SENSE 1 = 2 semester hours
- Industrial Technology (CTE) – Introduction to Welding Safety (WEL228) = 1 semester hour
- Science – Exploring Physical Science (PHS120) = 4 semester hours
- Student Development – College 101 (SDV109) = 3 semester hours
- Work-Based Learning – Exploring Careers (WBL100) = 3 semester hours

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### **CONCURRENT COURESES OFFERED ONLINE OR ON CAMPUS**

- Auto (CTE) – Power Technology Academy = 12-16 semester hours
- Communications – Public Speaking (SPC112) = 3 semester hours
- Health (CTE) – Intro to Health Professions (HSC108) = 2 semester hours
- Health – Nutrition (BIO151) = 3 semester hours
- Health (CTE) – Medical Terminology (HSC113) = 2 semester hours
- Health (CTE) – Nurse Aide (HSC168) = 3.5 semester hours
- History – Western Civilizations I: Ancient & Medieval (HIS117) = 3 semester hours
- History – Western Civilizations II: Early Modern (HIS118) = 3 semester hours
- History – Western Civilizations III: Modern Period (HIS119) = 3 semester hours
- Math – Statistics (MAT156) = 3 semester hours
- Sociology – Diversity in America (SOC205) = 3 semester hours

Credit earned from taking an online or on campus course (not with a UHS instructor) will not count towards required core graduation credits but will be counted as an elective.

### **POST-SECONDARY ENROLLMENT OPTIONS (PSEO) COURSES:**

PSEO credit classes provide additional options for high school students to earn college credit. These courses promote rigorous academic pursuits and may be taken on the University of Northern Iowa's campus or online through Upper Iowa University, per administrative approval. Students receive both high school and college credit for passing the class. College credit accumulates on a University of Northern Iowa or Upper Iowa University transcript and is usually accepted for transfer credit at other colleges and universities, depending on a student's major. These classes must be passed to receive credit and failing one will show up as an "F" on both your high school and college transcript. Most colleges require classes to be passed with a "C" or higher in order for it to satisfy the liberal arts or major course requirements. These courses may excuse you from taking an identical course at the college level, at the college's discretion.

Students taking a PSEO course must meet and follow all course guidelines of the respective university and understand that course performance becomes part of the individual's permanent college record. Students with an IEP or 504 plan may want to apply for accommodations through Student Services at either university; students can see the school counselor for help.

Students must meet the ISASP proficiencies listed on page 7 as well as meet requirements of The University of Northern Iowa and/or Upper Iowa University to be eligible to take concurrent classes (usually a 3.0 cumulative GPA requirement and ACT scores on file). Students wanting to take courses PSEO must meet with Mrs. Kriz to complete the university's registration form and review the following policies prior to the last Friday in April:

1. If the course is dropped after the first two weeks of the class or if the student fails the course, they must reimburse the school district up to \$250.
2. Students may drop the course following the university's drop policy with a "W" on their college transcript.
3. Textbooks are provided by the university and must be returned in good condition.
4. Transportation to the university is the responsibility of the student and/or parent.
5. The requested course cannot be one that is comparable to courses offered by the school district, unless already completed and passed.



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## COURSE OFFERINGS OVERVIEW

Course Name	Grade	Credits/ Trimesters
<b>ENGLISH</b>		
<b>English I (A &amp; B)</b>	9	2
<b>English II (A &amp; B)</b>	10	2
<b>English III (A &amp; B)</b>	11	2
<b>Composition (I &amp; II)</b>	11-12	2
AP Literature & Comp	12	3
Argument & Debate	10-12	1
Creative Writing I	9-10	1
Creative Writing II	11-12	1
Great Books	11-12	1
Literature & Media	10-12	1
Literature Skills (A & B)	9	2
Shakespearean Lit	11-12	1
Workplace English	11-12	1
<b>MATHEMATICS</b>		
Pre-Integrated (A, B, C)	9-12	3
Integrated I (A & B)	9-12	2
Integrated II (C & D)	9-12	2
Integrated III (A & B)	9-12	2
Consumer Math	11-12	1
Technical Math	11-12	1
Trigonometry	11-12	1
College Prep (A & B)	11-12	2
Calculus (A, B & C)	11-12	2
<b>SCIENCE</b>		
General Science (A & B)	9	2
<b>Physical Science (A &amp; B)</b>	9	2
Applied Biology (A & B)	10	2
<b>Biology (A &amp; B)</b>	10	2
Applied Chemistry (A & B)	11	2
<b>Chemistry (A &amp; B)</b>	11	2
Advanced Chemistry (I & II)	11-12	2
Anatomy & Physiology (I & II)	11-12	2
Astronomy	11-12	1
Environmental Science	11-12	1
Physics (A & B)	11-12	2
<i>Exploring Physical Science</i>	9-12	2
<b>HEALTH</b>		
<b>Health I</b>	10	1
Health II	11-12	1

Course Name	Grade	Credits/ Trimesters
<b>SOCIAL STUDIES</b>		
<b>World Studies (A &amp; B)</b>	9-10	2
<b>American History (A &amp; B)</b>	11	2
<b>American Government</b>	12	1
Contemporary Issues	9-12	1
Crime and Punishment	10-12	1
History Through Film	10-12	1
Intro to Psychology	11-12	1
Advanced Psychology	11-12	1
Sociology	11-12	1
World Affairs	11-12	1
<b>FOREIGN LANGUAGE</b>		
German IV (A & B)	12	2
Spanish I (A & B)	9-12	2
Spanish II (A & B)	10-12	2
Spanish III (A & B)	11-12	2
Spanish IV (A & B)	12	2
Spanish Conversation	11-12	1
<b>PHYSICAL EDUCATION</b>		
Early Bird PE	9-12	½ per Tri
PE	9-12	½ per Tri
Personal Fitness	9-12	½ per Tri
Foundational Strength	9-12	½ per Tri
<b>PERFORMING ARTS</b>		
Band	9-12	1
Chorus	9-12	1
Theater Arts	11-12	1
<b>VISUAL ARTS</b>		
Art Foundations	9-12	1
Ceramics I	9-12	1
Ceramics II	10-12	1
Creative Design	10-12	1
Drawing	9-12	1
Mixed Media	10-12	1
Painting	9-12	1
Pinterest Art	10-12	1

**Bold** = required class

*Italicized* = college class within the building

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Course Name	Grade	Credits/ Trimesters
<b>AGRICULTURAL SCIENCE (CTE)</b>		
Intro to Agriculture	9-10	1
Agronomy	9-12	1
Companion Animal Science	9-12	1
Consumer Agriculture	9-12	1
Current Issues In Agriculture	11-12	1
Horticulture	9-12	1
Production Animal Science	9-12	1
Natural Resources	9-12	1
<i>Farm Business Management</i>	9-12	1
<i>Principles of Agronomy</i>	9-12	1
<i>Survey of the Anim. Industry</i>	9-12	1
<b>BUSINESS (CTE)</b>		
<b>Careers</b>	11	1
<i>Exploring Careers</i>	11-12	1
<b>Personal Finance</b>	11	1
Intro to Business Leadership	9-10	1
Business Law	11-12	1
Business Publication	11-12	1
<i>Introduction to Accounting</i>	9-12	1
<i>Introduction to Accounting II</i>	9-12	1
<i>Introduction to Business</i>	9-12	1
<b>INFORMATION TECHNOLOGY (CTE)</b>		
<b>Computer Applications</b>	9	1
Intro to Computer Science	10-12	1
Advanced Computer Science	10-12	1
<i>Introduction to Computers</i>	9-12	1
<b>EDUCATION</b>		
<i>Acad. Service Learning Exp.</i>	9-12	½
<i>Foundations of Education</i>	9-12	1
<b>FAMILY &amp; CONSUMER SCIENCE (CTE)</b>		
Child Development I	10-12	1
Child Development II	10-12	1
Housing & Interior Design	10-12	1
Human Relations & Parenting	9-12	1
Nutrition & Wellness I	9-12	1
Nutrition & Wellness II	11-12	1
<i>Introduction to Hospitality</i>	9-12	1
<i>Event Planning &amp; Customer Service I</i>	9-12	1
<i>Menu Planning &amp; Design</i>	9-12	1
<b>INDUSTRIAL TECHNOLOGY (CTE)</b>		
Intro to Industrial Technology	9-12	1
Auto Ownership	10-12	1
Emerging Technologies	9-12	1
Light Construction I	11-12	1
Light Construction II	11-12	1
Metal Processing/Production	9-12	1

Course Name	Grade	Credits/ Trimesters
<b>INDUSTRIAL TECHNOLOGY (CTE), cont.</b>		
Wood Processing/Production I	9-12	1
Wood Processing/Production II	10-12	1
<i>Intro to Welding Safety</i>	9-12	½
<i>Gas Metal Arc Welding: SENSE 1</i>	9-12	½
<b>NON-CURRICULAR ELECTIVES</b>		
Academic Decathlon (A & B)	9-12	2
<i>College 101</i>	11-12	1
Internship	12	1-3
Work Study	11-12	½
<b>SCI – must be recommended by teacher to take</b>		
Fusion Reading	9	2
Independent Reading I	9-12	1
Independent Reading II	9-12	1
Practical English	9	2-3
English II (A & B)	10	2
Comp & Lit (A & B)	11-12	2
Basic Math	9	3
Basic Math II	10	3
Basic Math III-IV	11-12	3-6
Practical Math	9-10	3
World Studies (A & B)	9-10	2
U.S. History (A & B)	11	2
American Government	12	1
Directed Study	9-12	1/3 per Tri
E.B.C.E.	11-12	2
<b>HCC ONLINE OR ON CAMPUS COLLEGE CLASSES</b>		
Power Tech Academy – rotates, on HCC campus only		
Intro to Auto Tech	11-12	1
Intro to Auto Tech II	11-12	1
Auto Engine Repair	11-12	2
Gas Engine Rebuild	11-12	2
Intro to Collision Repair	11-12	2
Calculus I	9-12	1
Calculus II	9-12	1
Diversity in America	9-12	1
Introduction to Health Professions	9-12	1
Medical Terminology	9-12	1
Nursing Assistant	10-12	1
Nutrition	9-12	1
Public Speaking	9-12	1
Statistics	9-12	1
Western Civilizations I	9-12	1
Western Civilizations II	9-12	1
Western Civilizations III	9-12	1

**Bold** = required courses

*Italicized* = college class within the building

## ENGLISH RECOMMENDATIONS & COURSE DESCRIPTIONS

The following courses are highly recommended to be taken prior to graduation along with the required courses in order to be most prepared and successful at the post-secondary level listed.

Required courses:

English I A & B

English II A & B

English III A & B or Composition I & II

Required credits: 8 (4 years)

2 elective courses needed

Workforce or Military	Community College (only)	Community College Transfer or 4-Year
<b>English III A &amp; B</b> Argument & Debate Workplace English	<b>English III A &amp; B</b> Argument & Debate Creative Writing I Workplace English	<b>Composition I &amp; II</b> Argument & Debate AP Literature & Comp. Great Books

## ENGLISH COURSE DESCRIPTIONS

### English I A & B



Grade Level: 9  
Credits: 2  
Trimesters: 2  
**Considerations:** Freshman Requirement

**Course Description:** Language Arts skills including reading, writing, speaking, listening, and visual representation will be studied. Skill levels will increase in depth as students become proficient.

### Composition I & II



Grade Level: 11-12  
Credits: 2  
Trimesters: 2  
Prerequisite: English III or Teacher Recommendation

**Course Description:** This course is designed for, but not limited to, the student who plans to continue formal schooling beyond high school. It is designed to prepare students for college by improving their writing skills through a variety of activities using the writing process.

### Eng. II A & B



Grade Level: 10  
Credits: 2  
Trimesters: 2  
Prerequisite: English I  
**Considerations:** Sophomore Requirement

**Course Description:** Various novels, plays, short stories, and works of non-fiction will be studied. Research skills will be developed and assessed through writing and speaking. Students will be expected to give oral presentations with peer groups and independently. Independent reading will be a regular component of the content.

### AP Literature & Comp.



Grade Level: 12  
Credits: 3  
Trimesters: 3  
Prerequisite: Comp I & II and Teacher Recommendation

**Course Description:** This course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, student deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. Writing assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays. Although critical analysis makes up the bulk of student writing for the course, well-constructed creative writing assignments may help students see from the inside out how literature is written. Both types of writing assignments increase students' ability to explain clearly, cogently, even elegantly, what they understand about literary works and why they interpret them as they do. ("The Course: Introduction." [College Board AP English Literature and Composition Course Description](#). College Entrance Examination Board: May 2006. 42-43.)

### English III A & B



Grade Level: 11  
Credits: 2  
Trimesters: 2  
Prerequisite: English II  
**Considerations:** Junior Requirement

**Course Description:** Primary literature forms studied include novels, short stories, and poetry. Students will write, speak, and create visual presentations for a variety of audiences and purposes. Writing forms include comparison and contrast, personal essay, editorial, reflection, and research. Vocabulary lessons taken from current events enrich writing and speaking experiences.

*\*Optional national AP Exam in May*

*\*\*Possible college credit available pending AP Exam*

*\*\*\*AP is a weighted course (used 5.0 grading scale instead of 4.0 scale)*

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### **Argument & Debate**



Grade Level: 10-12  
Credits: 1  
Trimesters: 1  
Prerequisite: English I

**Course Description:** This course will focus on developing the student's skills in research, persuasive writing, speaking, and organization. Students will be expected to research a variety of current newsworthy topics and present arguments for both sides. Students are evaluated on participation, writing, and speaking.

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### **Creative Writing I**



Grade Level: 9-10  
Credits: 1  
Trimesters: 1  
Prerequisite: None

**Course Description:** This course is designed to enable students to explore their creativity through a variety of writing experiences.

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### **Creative Writing II**



Grade Level: 11-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Creative Writing I

**Course Description:** This course is a continuation of Creative Writing I but at a more advanced level. Students will continue to explore their creativity through a variety of writing experiences.

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### **Great Books**



Grade Level: 11-12  
Credits: 1  
Trimesters: 1  
Prerequisite: English II

#### **Course Description:**

This course is designed for the literary background development and enrichment of the student. Novel selections will be taken from a list of recommended college-bound reading. Some novels will be read as an individual and some as a class.

### **Literature & Media**



Grade Level: 10-12  
Credits: 1  
Trimesters: 1  
**Considerations:** None

**Course Description:** Students taking this course will practice the skill of connecting literature to media with the reading of a novel, a novella, and short stories. Writing critical essays to compare and contract medium is an important part of the class. Students will become critical readers of literature and then viewers of media from a variety of genres through analysis, research, discussion, and writing. Students will read critical essays about the books and films presented. They will also complete a research project on a self-selected topic related to comparison of a piece of literature and film. Evaluation will be on points earned by writing essays and research papers, tests over material presented, discussion participation, and presentation of the research project.

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### **Lit Skills A & B**



Grade Level: 9  
Credits: 2  
Trimesters: 2  
Considerations: Teacher Recommendation

**Course Description:** Lit Skills is designed to provide additional support for non-proficient readers by utilizing proven reading strategies with the focus on boosting comprehension, vocabulary, and fluency. The course focuses on extensive independent reading, motivational techniques, and instructional activities with cooperative learning. Students study a variety of fiction and non-fiction texts. Lit Skills is intended to be taken in conjunction with English I and supports reading in all content areas. Enrollment is determined by previous English grades, standardized test scores, and teacher recommendation. Class size is limited.

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### **Shakespearean Literature**



Grade Level: 11-12  
Credits: 1  
Trimesters: 1  
Considerations: None

**Course Description:** This course is focused on the life and works of William Shakespeare. Students will read a variety of Shakespeare's work focusing on the drama, intensity, humor, sarcasm, etc. in them. This course will be an immersion in Shakespeare using a reader's theater approach to the texts. You will read and analyze a collection of Shakespeare's dramatic works, including both tragedy and comedy focusing on his use of literary elements and craft of language. Students will also likely be reading a collection of Shakespearean sonnets for poetic analysis. If available, we will take the opportunity to see one live performance of a Shakespearean play as well. This course will not be a sit-back-and-listen-to-others kind of course. It is a course driven by discussion full of opportunities to share ideas, ask questions, etc.

### **Workplace English**

Grade Level: 11-12  
Credits: 1  
Trimesters: 1  
Prerequisite: English II

**Course Description:** This course is designed to prepare students to enter the workforce or military directly out of high school. Coursework will focus on the kinds of reading, writing and speaking specific to the world of work.

# MATHEMATICS RECOMMENDATIONS & COURSE DESCRIPTIONS

The following courses are highly recommended to be taken prior to graduation along with the required courses in order to be most prepared and successful at the post-secondary level listed.

Required credits: 6 (3 years)

Workforce or Military	Community College (only)	Community College Transfer or 4-Year
Consumer Math Pre-Integrated (A, B, C) Integrated I (A & B) Integrated II (C & D) Technical Math	Integrated I (A & B) Integrated II (C & D) Integrated III (A & B) Technical Math	Integrated II (C & D) Integrated III (A & B) College Prep (A & B) Trigonometry Calculus (A, B & C) <i>Statistics</i>

*Students are required to pass each trimester before continuing on to the next trimester.*

## **MATHEMATICS COURSE DESCRIPTIONS**

### **Consumer Math**

Grade Level: 11-12  
Credits: 1  
Trimesters: 1  
Prerequisite: None

**Course Description:** Consumer math reinforces general math topics (such as arithmetic using rational numbers, measurement, ratio and proportion, and basic statistics) and applying these skills to consumer problems and situations. Applications typically include budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment.

### **Pre-Integrated Math**

Grade Level: 9-12  
Credits: 3  
Trimesters: 3

**Considerations:** Below-average math ability & interest.

**Course Description:** This course is designed to prepare the student to function mathematically in daily life. It develops in the student an understanding of the four basic operations and their use with whole numbers, fractions, decimals, and directed numbers. Students also work with percentages, metric measurements, area, volume, perimeter, and the basic introduction to the fundamental concepts of algebra. Practical applications are emphasized in each unit. **A calculator is required.**

### **Integrated I A & B**



Grade Level: 9-12  
Credits: 2  
Trimesters: 2  
**Considerations:** Average math ability & interest

**Course Description:** Students will study the topics of algebra, geometry, probability, statistics, discrete math, and trigonometry. Students will study these topics each year in integrated math. A variety of problem solving techniques will be explored including the use of technology. **Students planning to complete the series of Integrated Math I-III should purchase a TI-83 graphing calculator.**

### **Integrated II C & D**



Grade Level: 9-12  
Credits: 2  
Trimesters: 2  
Prerequisite: Int. Math I or Teacher Recommendation

**Course Description:** Students will continue to study algebra, geometry, probability, statistics, discrete math, and trigonometry. A variety of problem solving techniques will be explored including the use of technology. **Students will take the Accuplacer math placement at end of Integrated Math II D for advising.**

### **Integrated III A & B**



Grade Level: 10-12  
Credits: 2  
Trimesters: 2  
Prerequisite: Int. Math II

**Course Description:** Students will continue to study algebra, geometry, probability, statistics, discrete math, and trigonometry. A variety of problem solving techniques will be explored including the use of technology.

### **College Prep A & B**



Grade Level: 11-12  
Credits: 1  
Trimesters: 1  
Prerequisites: Int. Math III

**Course Description:** This is a pre-calculus course intended for the student planning to study mathematics at the college level. However, the topics covered have direct application for the student not planning further study in mathematics. Units on linear functions, systems of equations and inequalities, critical points of graphs, polynomial and rational functions, exponential and logarithmic functions sequences and series, and limits, derivatives and integrals will be studied. Implementation of graphing calculators into the problem solving process will be stressed. This course is especially useful for students considering careers in math, engineering, physics, science, business, medicine, or related areas.



### Trigonometry



Grade Level: 11-12  
Credits: 1  
Trimesters: 1  
Prerequisites: Int. Math III

**Course Description:** This course is intended for students planning to study mathematics at the college level. Units on triangle trig, trig functions, identities and equations, applications, analytical geometry, and logarithmic functions will be covered. This course is useful for students considering careers in math, engineering, physics, science, business, and more.

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### Technical Math

Grade Level: 11-12  
Credits: 1  
Trimesters: 1  
Prerequisites: None

**Course Description:** This course extends students' proficiency in mathematics, and often apply these skills to technical and/or industrial situations and problems. Topics may include but are not limited to rational numbers, systems of measurements, tolerances, numerical languages, geometry, algebra, statistics, and using tables, graphs, charts, and other data displays. Technology is integrated as appropriate.

### Calculus A, B & C



Grade Level: 10-12  
Credits: 3  
Trimesters: 3  
Prerequisites: College Prep Math

**Course Description:** This course focuses on students' understanding of calculus concepts and provides experience with methods and applications. Through the use of big ideas of calculus (e.g. modeling change, approximation and limits, and analysis of functions), each course becomes a cohesive whole rather than a collection of unrelated topics. The course requires students to use definitions and theorems to build arguments and justify conclusions.

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## SCIENCE RECOMMENDATIONS & COURSE DESCRIPTIONS

The following courses are highly recommended to be taken prior to graduation along with the required courses in order to be most prepared and successful at the post-secondary level listed.

Required courses:

Physical Science A & B

Biology A & B

Chemistry A & B

Required credits: 6 (3 years)

Workforce or Military	Community College (only)	Community College Transfer or 4-Year
Applied Biology Applied Chemistry	Anatomy/Physiology I & II* Environmental Science <i>Exploring Physical Sci.</i> Physics A & B*  *field of study dependent	Environmental Science <i>Exploring Physical Sci.</i> Physics A & B* Adv. Chemistry I & II** Anat/Physiology I & II**  *STEM-related field **Medicine-related field

## SCIENCE COURSE DESCRIPTIONS

### General Science



Grade Level: 9  
Credits: 2  
Trimesters: 2  
**Considerations:** Teacher Recommendation

**Course Description:** This is an introductory course in Earth Science, Earth history, space science, basic physics, and weather. Emphasis will be placed on improving academic skills and relating the classroom to the world around us.

### Physical Sci. A & B



Grade Level: 9  
Credits: 2  
Trimesters: 2  
**Considerations:** Freshman Requirement

**Course Description:** The goals of this course is to provide students with the opportunity to gain knowledge of the physical world around them and to develop and enhance skills in problem solving, measuring, and critical thinking. The knowledge and skills gained can be used by the student in more advanced studies of science. The class consists of lectures, labs, and applied project work. Topics covered, but not limited to, are earth science, Earth history, space science, basic physics, and weather.

### Applied Bio. A & B

Grade Level: 10  
Credits: 2  
Trimesters: 2  
**Considerations:** Teacher Recommendation

**Course Description:** This is a general course studying the living world, life processes, and interactions between organism and their environments. This course will cover evolution, ecology, cells, structure and function. It will include lecture, lab, and project work.

### Biology A & B



Grade Level: 10  
Credits: 2  
Trimesters: 2  
**Considerations:** Sophomore Requirement

**Course Description:** Biology is a general course using an ecological and evolutionary approach to focus on the life processes and interactions between organisms and their environments. This course will cover evolution, ecology, cells, genetics, animal form and function, and botany. Lab work is an important part of this course. You must pass part A prior to moving to part B.

### Chemistry A & B



Grade Level: 11  
Credits: 2  
Trimesters: 2  
**Considerations:** Junior Requirement

**Course Description:** Chemistry is the study of the physical properties and structure of matter. Units covered include atomic structure, periodic table, mole concept, gas laws, chemical reactions, solutions, and acids and bases. The majority of this course is activity and lab-based. Students are required to complete and pass a lab safety unit and test at a specific level, use safety goggles and follow all lab safety rules as indicated by a safety contract. This course is for all students interested in science but will also be helpful for those preparing for college. Students should take parts A and B if college-bound. Scientific calculator is required.

### Applied Chem. A & B

Grade Level: 11  
Credits: 2  
Trimesters: 2  
**Considerations:** Teacher Recommendation

**Course Description:** Applied Chemistry is a practical, nonquantitative chemistry course designed for students who desire an understanding of chemical concepts and applications.

## Union High School – Registration Handbook

### Anatomy/Physiology



Grade Level: 11-12  
Credits: 2  
Trimesters: 2  
Prerequisite: Biology & Chemistry

**Course Description:** **Part I** is an advanced trimester course focusing on the structures and functions of the human body. Topics covered, but not limited to, will include the cardiovascular system, digestive system, the integumentary system, and the immune system. **Part II** topics cover cells, the skeletal system, the muscular system, and nervous system. Part II also covers the pathology of diseases linked to those specific systems as well as careers in the medical field. Dissection and lab work are very important aspects to this course.

### Physics A & B



Grade Level: 11-12  
Credits: 2  
Trimesters: 2  
Prerequisite: Physical Science A & B

**Course Description:** Physics is a science based on the study of patterns and interactions in the physical world. Units covered include motion, forces, momentum, and energy. The majority of this course is activity and lab-based but will also include discussions, problem-solving assignments and projects. This course is for all students interested in science but will also be helpful and is highly recommended for those preparing for college. The use of a scientific calculator is required.

### Astronomy



Grade Level: 11-12  
Credits: 1  
Trimesters: 1  
Prerequisite: None

**Course Description:** Astronomy is the study of objects and phenomena outside the earth's atmosphere. This course will focus on what is out there, how we learn about and study things we can't get to, the challenges of space travel, and what we as humans are currently capable of doing in space.

### Environmental Science



Grade Level: 11-12  
Credits: 1  
Trimesters: 1  
Prerequisite: None

**Course Description:** This natural science course addresses the manner in which we approach our environment today and how it will affect the world we live in tomorrow. This course examines the challenges of developing sustainable energy sources, maintaining the quality of our air, water, and soil, and preserving the remaining biodiversity and habitat. As these challenges are examined, possible solutions will be evaluated.

### Exploring Physical Science



Grade Level: 11-12  
Credits: 2  
Trimesters: 2  
Prerequisite: Score requirements below

**Course Description:** This course introduces the student to the concepts and processes of physics, chemistry, astronomy, and earth science. Students are presented with a general overview of theories that have an impact on their everyday lives. A student will have to take both trimesters to earn college credit.

*Students receive 4 college credits for this course (satisfies lab requirement).*

#### Requirement scores:

SYP Proficiency (see page 7)

Accuplacer NG QRAS 259 or ACT Math 19 or 2.8 GPA

### Adv. Chemistry I & II



Grade Level: 11-12  
Credits: 1-2  
Trimesters: 1-2  
Prerequisite: Chemistry A & B

**Course Description:** These courses are taken after a full year of Chemistry. This course covers chemical properties and interactions in more detail. Topics include organic chemistry, thermodynamics, electrochemistry, macromolecules, kinetic theory, and nuclear chemistry.

## SOCIAL STUDIES RECOMMENDATIONS & COURSE DESCRIPTIONS

The following courses are highly recommended to be taken prior to graduation along with the required courses in order to be most prepared and successful at the post-secondary level listed.

Required courses:

World Studies A & B

American History A & B

Government

Required credits: 6 (3 years)

1 elective course needed

Workforce or Military	Community College (only)	Community College Transfer or 4-Year
Contemporary Issues World Affairs	Intro to Psychology Sociology Economics	Contemporary Issues Crime and Punishment* Intro to Psychology Advanced Psychology Sociology  *Law-related field

## Union High School – Registration Handbook

### World Studies A & B



Grade Level: 9-10  
Credits: 2  
Trimesters: 2  
**Considerations:** Fresh/Soph.  
Requirement

**Course Description:** This course is designed to introduce the students to the basic political, physical, cultural histories along with the geography of the seven continental regions of the world. Course work will include teacher-generated and student-generated information. Current events will be interjected into the class.

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### Amer. History A & B



Grade Level: 11  
Credits: 2  
Trimesters: 2  
**Considerations:** Junior Requirement

**Course Description:** This course covers American history from the end of the Reconstruction Era through present day. It is divided into two courses – American History starting with a brief overview of our history up to the turn of the 20<sup>th</sup> Century through the end of World War II and then American History from the start of the Cold War to the present. Besides using the textbook and Reading Study Guide, supplementary materials include videos, outside DVDs, readings and newspaper. Much class discussion is used to illuminate each student's perceptions of history. Current events are used to increase student awareness of the importance of today's happenings. They are correlated to topics being studied whenever possible. Class activities include research, oral and written reports, and bibliographical readings.

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### Amer. Government



Grade Level: 12  
Credits: 1  
Trimesters: 1  
**Considerations:** Senior requirement

**Course Description:** This course will cover the following areas through lecture, discussion, reading, worksheets, quizzes and tests: voting and participation, current fiscal information, political systems, constitutional background, federalism (relations between state and national government), and the Constitution (with branches of government).

### Contemporary Issues



Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: None

**Course Description:** Contemporary Issues will focus on major current events that are shaping our world, nation, and state. While looking at day-to-day current events, the class will delve deeper into major issues that are affecting our world and society. Students will be responsible for daily readings, summarizing, and discussion in class. This class will be predominantly reading, discussion, and writing. Most assessments will be essay and short answer testing, with several papers.

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### Crime and Punishment



Grade Level: 10-12  
Credits: 1  
Trimesters: 1  
Prerequisite: None

**Course Description:** This course is an overview of the various aspects of the criminal justice system. Starting with an overview, the course will dive into key positions and agencies that work to make the U.S. safe, as well as exploring the psychological and sociological motivations of criminals. The course will end with learning about the rights of the accused, along with the trial process.

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### History Through Film



Grade Level: 10-12  
Credits: 1  
Trimesters: 1  
Prerequisite: None

**Course Description:** Explore historical events like never before! Films are a great lens in which to understand history. However, often times directors will embellish historical events to make it sell. In this class students will learn about a variety of world events and critique the accuracy of films in respect to how the story really went.

## Union High School – Registration Handbook

### **Intro to Psychology**



Grade Level: 11-12  
Credits: 1  
Trimesters: 1  
Prerequisite: None

**Course Description:** The science of human behavior will be studied. During this introductory course, the following areas will be covered: fields, history, and schools of psychology, early development, physiology, and sensation and perception. This course is highly recommended if college-bound.

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### **Advanced Psychology**



Grade Level: 11-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Intro to Psychology

**Course Description:** This course is designed to be a continuation of Introduction to Psychology, focusing on the motivation behind human behavior. Subfields of psychology that are explored will be social, cognitive, and abnormal psychology through a variety of topics and issues. Students will focus on several psychologists, theories, and principles that relate to these topics.

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### **Sociology**



Grade Level: 11-12  
Credits: 1  
Trimesters: 1  
Prerequisite: None

**Course Description:** The purpose of this course is to give students a deeper understanding of the areas of sociology and social problems. The course is designed to develop critical thinking skills by exposing students to ideas and views that may be new to them. The course requires active student participation in a variety of class activities. This course is recommended if college-bound.

### **World Affairs**



Grade Level: 11-12  
Credits: 1  
Trimesters: 1  
Prerequisite: None

**Course Description:** Mark Twain once said that “History never repeats itself, but it does often rhyme.” This class examines historical events that hold this quote to be true. Throughout the trimester, students will learn about the rise of communism in Russia during the Bolshevik Revolution. They will engage in study of the French Revolution and its effect on Europe. Lastly, World War II is full of battles, genocide, and dictators. However, the question of how the Nazis were able to convince a whole population of their cause remains unspoken in most classes. At the end of this class students will be challenged to look at the similarities and differences between all of these events and truly challenge this quotation.



## **ELECTIVE RECOMMENDATIONS**

The following courses are highly recommended to be taken prior to graduation in order to be most prepared and successful in pursuing the career pathway listed.

<b>AGRICULTURE OR NATURAL RESOURCES</b>				
<b>Careers</b>		<b>Recommended Classes</b>		
Agricultural Communications Agricultural Finance Agricultural Sales Conservation Officer	Food Scientist Horticulturalist Livestock Production Veterinarian	Math Anatomy/Physiology Natural Resources Prod. Animal Sci. Consumer Ag.	Companion Ani. Sci. Agronomy Current Issues in Ag <i>Intro to Accounting</i> Business Leadership	<i>Farm Bus Mngmnt</i> <i>Survey An. Industry</i> Environmental Sci. Horticulture Arg. & Debate
<b>ART AND COMMUNICATION</b>				
<b>Careers</b>		<b>Recommended Classes</b>		
Graphic Designer Journalist Photographer	Fashion Designer Artist Writer	All art curriculum Creative Writing I/II Composition I & II	AP Lit & Comp. Great Books Business Publication	Intro Computer Sci. Adv. Computer Sci. 2-4 Yrs. Wrld Lang.
<b>BUSINESS</b>				
<b>Careers</b>		<b>Recommended Classes</b>		
Accountant Administrative Assistant Economist Financial Manager	Insurance Agent Lawyer Marketing &/or Advertising	Writing courses Math beyond Int. III Statistics Intro Business Leadership	<i>Intro to Business</i> <i>Intro to Accounting</i> <i>Intro to Accounting II</i> Business Law <i>Event Planning I</i>	Intro Computer Sci. 2-4 Yrs. Wrld Lang. Crime & Punish. World Affairs
<b>ENGINEERING AND TECHNOLOGY</b>				
<b>Careers</b>		<b>Recommended Classes</b>		
Architect CAD Technician Computer Programmer Computer Analyst Electrician	Mechanic Tool & Dye Truck Driver Welder	College Prep Math Trigonometry Physics Emerging Tech.	Sculpture Additional Art Intro Computer Sci. Intro to Computers Metal Processing	<i>Intro Welding Safe.</i> <i>GMAW: Sense 1</i> Light Construction I & II 2-4 Yrs. Wrld Lang.
<b>FAMILY AND HUMAN SERVICES</b>				
<b>Careers</b>		<b>Recommended Classes</b>		
Apparel Designer or Merchandiser Chef Dietician Early Childhood Center Director Hotel/Rest. Mngmt.	Marriage and Family Therapist Personal Financial Planner Teacher Social Worker	Writing courses Intro to Psychology Adv. Psychology Sociology <i>Intro to Hospitality</i> Child Growth I & II	Nutrition & Wellness I Nutrition & Well. II <i>Event Planning I</i> <i>Menu Planning</i> Human Relations & Parenting	Art Classes Bus. Leadership Business Law <i>Found. of Education</i> <i>Acad. Service</i>
<b>HEALTH</b>				
<b>Careers</b>		<b>Recommended Classes</b>		
Doctor Emergency Services Long-Term Care Services Nurse	Therapist (respiratory, massage, physical, occupational, etc.)	Math beyond Int. III Adv. Chemistry I Anatomy and Physiology I & II Physics	Health II 2-4 Yrs. World Lang Sociology Intro to Psychology Adv. Psychology	<i>Nursing Assistant</i> <i>Intro Health Prof.</i> <i>Nutrition</i> <i>Med Terminology</i>



**FOREIGN LANGUAGE COURSE DESCRIPTIONS**

**German IV B**



Grade Level: 12  
Credits: 1  
Trimesters: 1  
Prerequisite: German III “C” or higher

**Course Description:** The German IV course improves and further expands on the student’s ability to comprehend and create oral and written communication in various situations and for various purposes. Advanced grammar concepts will refine the student’s language abilities. The application of all previously learned structures and the continued gain of vocabulary will make it possible for the student to participate in and initiate conversations with German-speakers; read and write with complex structures, as well as use authentic resources. Students will begin to explore the music, literature, art, history, and other aspects of culture in the target language.

**Spanish I A & B**



Grade Level: 9-12  
Credits: 2  
Trimesters: 2  
**Considerations:** English “C” or higher

**Course Description:** The first-year course in Spanish aims to give the student an active, flexible command of Spanish through personal involvement and understanding. There is equal emphasis on writing and speaking. The students will learn everyday conversation and some Hispanic culture. The students will hear Spanish spoken by native speakers on audio tapes that pertain to the lessons. Writing experiences are also provided in worksheets related to the materials and tapes.

**Spanish II A & B**



Grade Level: 10-12  
Credits: 2  
Trimesters: 2  
**Considerations:** Spanish I “C-” or higher

**Course Description:** The second year continues towards building useful vocabulary, listening and reading comprehension, creative use of language and cultural awareness of the Spanish-speaking world. There is an emphasis on verb conjugation and verb tense.

**Spanish III A & B**



Grade Level: 11-12  
Credits: 2  
Trimesters: 2  
Prerequisite: Spanish II “C-” or higher

**Course Description:** In the third year, students will continue to improve their communication skills with a special emphasis on creative and practical use of the language. The students will perform skits, write reports, and conduct interviews, all in the target language. The students are encouraged to initiate conversation with the other students as well as with the teacher. Students will use existing technology in the development of projects and assignments for the class. Students are expected to communicate in Spanish at all times to the best of their ability.

**FOREIGN LANGUAGE, cont. & HEALTH COURSE DESCRIPTIONS**

**Spanish IV A & B**



Grade Level: 12  
Credits: 2  
Trimesters: 2  
Prerequisite: Spanish III "C-" or higher

**Course Description:** The emphasis of fourth year Spanish is the application and refinement of previously acquired knowledge in new situations and expansion of abilities. Students are expected to work outside class in order to complete assignments and projects. Students will further explore Hispanic culture through reading, writing, and presenting. Students will use existing technology to find current information to assist in the development of projects and assignments for the class. Students are expected to communicate in Spanish at all times to the best of their ability.

**Spanish Conversation**



Grade Level: 11-12  
Credits: 2  
Trimesters: 2  
Prerequisite: Spanish III A

**Course Description:** This class offers a deeper study of proper pronunciation and use of the Spanish communication skills a student currently has. Students will be expected to use their Spanish to the best of their abilities at all times. The class will work on listening skills required to understand native speakers by using technology such as podcasting.

**Health I**

Grade Level: 10  
Credits: 1  
Trimesters: 1  
**Considerations:** Sophomore requirement

**Course Description:** This required course encourages good health behavior by helping students be responsible for their health and develop a healthy lifestyle. It emphasizes that the choice students make affect the quality of their health. Emphasis is place on instruction in 1) Physical, mental, and social health, 2) Self-esteem and personality, 3) Effective communication, 4) Reproduction and sexual education, and 5) The effects of alcohol, tobacco, and drugs on the human body.

**Health II**

Grade Level: 11-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Health I

**Course Description:** This course is designed to delve further into health curriculum. Health II students will stay current in the health field with current events and give presentations, research in-depth health topics, explore career options, and is intended for higher learning of health topics. This is recommended for students interested in pursuing a career in the health field.

**PHYSICAL ED & HEALTH, cont. COURSE DESCRIPTIONS**

**Physical Education**

Grade Level: 9-12  
 Credits: ½  
 Trimesters: 1 (every other day)  
 Prerequisite: None

**Course Description:** The general physical education course is a well balanced approach to physical education. A combination of varied warm-up activities, basic exercise and fitness workouts, and developed game/sporting units create a well-rounded knowledge base of how to be active in a world beyond school. You will learn and practice rules and skills to a wide variety of games, sports rules/skills, and basic fitness technique. Students are required to be in PE each trimester unless waiving for a sport or full schedule (seniors only).

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**Foundational Strength**

Grade Level: 9-12  
 Credits: ½  
 Trimesters: 1 (every other day)  
 Prerequisite: None

**Course Description:** This course is designed to teach the very basics of resistance training. Resistance training is exercising with the use of weighted implements. Students will learn proper terminology and technique, then will be asked to assess 20 foundational exercises in order to pass this class. Assessments are based on their knowledge of the fundamentals of the movement, they do not have to master a movement, nor will they be asked to lift a certain weight in order to succeed in this class. Students will be asked to track the weights they are using to demonstrate growth.

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**Early Bird PE**

Grade Level: 9-12  
 Credits: ½  
 Trimesters: 1 (24 days)  
 Prerequisite: Must have full schedule

**Course Description:** Early Bird PE follows the curriculum of Physical Education (above) but takes place before school from 7:15-8:00 am. Students must have a full schedule to be enrolled and must attend 24 classes; Wednesday classes are mandatory.

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**Personal Fitness**

Grade Level: 9-12  
 Credits: ½  
 Trimesters: 1 (every other day)  
 Prerequisite: 1 Tri of Found. Strength

**Course Description:** This is a self-driven and goal-oriented class. The first 3-4 weeks are completely teacher led. Students will learn how to structure their workouts to get the most out of a given time and different ways to set up a proper workout. Students will choose two main exercises to test. Once tested, students will set two measurable goals of their choice that they want to reach by the end of the trimester. These goals are the heartbeat of the class; they drive each student's daily workouts, which are set up by the student with the instructor's assistance. Once the foundation of the class has been set, the instructor steps back and becomes a resource for the students; constantly providing feedback on technique, exercise choice, and anything else the student may need. A student's grade is dependent on: daily participation, written workout assessments, and multiple other assessments.

## PERFORMING ARTS COURSE DESCRIPTIONS

### **Band**

Grade Level: 9-12  
Credits: 1  
Trimesters: 3  
Prerequisite: Prior participation or teacher approval

**Course Description:** Admission to the high school instrumental ensembles is determined by satisfactory progress in band at the elementary and middle school levels. Scheduled performances include the Winter Concert, Pops Concert, Spring Concert, football games, and State Music Contests. In addition to the large group activities, students will participate in a small group setting where they can perform solos or small ensembles. Selected students can also participate in a number of honor band festivals throughout the year. Group and/or individual lessons are required for all instrumental music students. Enrollment is expected to be three trimesters. Enrollment conflicts should be discussed with the instructor and school counselor.

This is a year-long course. Adding and/or dropping the course mid-year must be approved by the instructor.

**Marching Band:** *The marching band will consist of all students enrolled in band as well as auditioned members of the color guard who have participated in band throughout the school year. Marching band will rehearse during the scheduled class time during Trimester 1. Marching band camp will be held in August. The director will choose Drum Major(s) and a flag corps after an audition process. The marching band may perform at all home football games, state contest, as well as many other community or civic events.*

**Concert Band:** *The concert band is comprised of all wind and percussion players in grades 9-12. Concert band will start to rehearse after the completion of marching season. The concert band will rehearse and perform in the Winter Concert (Dec.), Band Showcase Concert (Feb./March), Spring Contest (May), and Large Group Festival (May).*

**Jazz Band:** *Membership into the jazz program will be determined by audition. The ensemble will rehearse before school and possibly some evenings. Music selected will be determined on the strengths of the band. The ensemble will compete in 3-4 competitions each year. All students in the jazz ensembles will learn the basics of many different jazz styles as well as improvisation techniques in each style.*

### **Chorus**

Grade Level: 9-12  
Credits: 1  
Trimesters: 3  
Prerequisite: None

**Course Description:** Students enrolled in chorus meet daily to cultivate the skills necessary for vocal music performance. UHS vocalists will develop music literacy skills, cultivate healthy tone production, and exhibit the habits of professional musicians and performers. Students will also engage in performance skills, including inter-disciplinary discourse in theater, visual arts, and history. Students will perform a variety of styles of music, ranging from classical, jazz, pop, and musical theater. Students will also perform in a variety of settings, including full concert choir, small group work, musical theater ensembles, show choir, and solo performance. There will be outside responsibilities and attendance requirements that are required for participating students. These dates and responsibilities will be shared the first day of class. Graded performances are used to assess student progress and provide feedback for areas of improvement. Each student must also attend 6 voice lessons each trimester during the school day.

This is a year-long course. Adding and/or dropping the course mid-year must be approved by the instructor.

**Union Station:** According to Iowa State Music Association guidelines, students must be members of the Concert Choir (Chorus) in order to participate in extra choir opportunities. Membership will be determined by audition in the fall and is an extracurricular activity. Students must be passing all classes to be eligible.

### **Theater Arts**

Grade Level: 11-12 or teacher approval  
Credits: 1  
Trimesters: 1  
Prerequisite: None

**Course Description:** This class will study the elements of theater, its literature, and what goes into a production. Students will explore the craft of acting in a safe and supportive environment, as well as character and script analysis. Students may assist in designing a costume, set piece and props for a current theater production. This is a performance-based class, including but not limited to: monologue, duologue, small ensemble, directing, and tag team directing. Students will also participate in critiques, script analysis, and a live theater analysis.

## VISUAL ARTS COURSE DESCRIPTIONS

### **Art Foundations**

Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
**Considerations:** Prerequisite to other Art

**Course Description:** This studio class will explore visual art through the use of the elements and principles of design. Projects will be two- and three-dimensional, which will cover a wide variety of materials such as clay, watercolor, acrylics, graphite pencils, and color pencils. This class must have a passing grade to take any other art courses.

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### **Ceramics I**

Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Art Foundations

**Course Description:** Clay pottery is one of the oldest and most common crafts in the world. It is the skill of constructing utilitarian and decorative objects from clay that are then fired in a kiln. Students will learn about ceramic tradition through the study of classic forms. Projects will include building techniques of coils, pinch, slab, and wheel throwing.

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### **Ceramics II**

Grade Level: 10-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Ceramics I

**Course Description:** This course is designed to give students a more thorough understanding of the property of clay and glazes. Students are expected to be creative by designing original projects that relate to the elements and principles of design. Ceramics II will help develop creativity, self-expression, and problem solving skills. Possible projects may include wheel throwing, slab box with textures, narrative plate, and coin bank.

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### **Creative Design**

Grade Level: 10-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Art Foundations

**Course Description:** This class “teaches” a student how to be creative in self-expressive visual art through the use of elements and principles of design. Students may be responsible for providing some materials.

### **Drawing**

Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Art Foundations

**Course Description:** Students will utilize elements and principles of design skills that were taught in Art Foundations. Students will work in two-dimensional medium such as graphite pencils, color pencil, marker, and charcoal. Lessons will cover a variety of styles from Realism to Abstract projects.

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### **Mixed Media**

Grade Level: 10-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Art Foundations

**Course Description:** The term “mixed media” refers to a work of art made with two or more materials. Projects may include a collage from torn papers, mixed with acrylic and watercolor. Glitter, beads, shells, clay, and wire may find their way into projects, too. The future of mixed media is limited only by the imagination of artists and whatever they can get their hands on. Students may be responsible for providing some materials for creating unique art.

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### **Painting**

Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Art Foundations

**Course Description:** Students will utilize elements and principles of design skills that were taught in Art Foundations. Students will work in two-dimensional mediums such as tempera paint, acrylic paint, oil pastel, chalk pastel, and watercolor. Students will learn basic color theory and explore a variety of artist painting styles.

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### **Pinterest Art**

Grade Level: 10-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Art Foundations

**Course Description:** Pinterest will be explored as a form of inspiration to create art. Students will be required to design a personal version of the Pinterest-inspired art project. This course will enhance art techniques and boost confidence to be able to create quality products beyond high school. Students provide some materials.

## AGRICULTURAL SCIENCE (CTE) COURSE DESCRIPTIONS

*Any student taking a trimester of Ag Science courses each year is eligible to join the LaPorte-Dysart FFA Chapter.*

### Intro to Ag Science

Grade Level: 9-12

Credits: 1

Trimesters: 1

**Considerations:** Prerequisite to other Ag

**Course Description:** This trimester class introduces students to the agricultural industry. Emphasis will be on the development of a knowledge base in animal science, crop science (agronomy), horticulture, natural resources, agricultural careers, and FFA leadership opportunities. This course is strongly recommended before enrolling in other ag science classes.

### Agronomy

Grade Level: 9-12

Credits: 1

Trimesters: 1

Prerequisite: Intro to Ag Science

**Course Description:** This course focuses on the production of agricultural crops including corn, soybeans, small grains, hay, and alternative crops. Emphasis will be on the development of management skills needed in the industry.

### Companion Animal Science

Grade Level: 9-12

Credits: 1

Trimesters: 1

Prerequisite: Intro to Ag, Phys. Sci/Bio

**Course Description:** This course focuses on the care and management of companion animals such as dogs, cats, rabbits and other more exotic animals kept as pets. Emphasis will be on the application of science practices as it pertains to the care of these animals including nutrition, reproduction, and health.

### Consumer Agriculture

Grade Level: 9-12

Credits: 1

Trimesters: 1

Prerequisite: Intro to Ag Science or Teacher approval

**Course Description:** This course will focus on developing a knowledge base about Iowa's number one industry, agriculture. Emphasis will be on agricultural products including dairy, meats, grains, fruits and vegetables, and energy, as well as exploring current issues in agriculture.

### Current Issues in Ag

Grade Level: 11-12

Credits: 1

Trimesters: 1

Prerequisite: An. Sciences, Agronomy & Nat. Resources

**Course Description:** This class will focus on issues currently facing the agricultural industry. Emphasis will be on researching and using sources of information, formulating ideas and opinions, and communicating using a variety of methods and mediums.

### Horticulture

Grade Level: 9-12

Credits: 1

Trimesters: 1

Prerequisite: Intro to Ag, Phys. Sci./Bio

**Course Description:** This course will focus on the care and management of ornamental plants (indoor and outdoor) and fruits and vegetables. Emphasis will be on the development of hands-on skills in the areas of plant propagation, greenhouse management, and landscaping.

**AGRICULTURAL SCIENCE (CTE), cont. COURSE DESCRIPTIONS**

**Production Animal Science**

Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Intro to Ag, Phys. Sci./Bio.

**Course Description:** This course will focus on the production of domesticated animal including beef, dairy, swine, sheep, goats, horses and alternative livestock. Emphasis will be on the application of science in the care and management of these animals.

**Natural Resources**

Grade Level: 10-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Intro to Ag, Phys. Sci/Bio.

**Course Description:** This course will focus on developing appreciation for Iowa's natural areas. Emphasis will be on the development of knowledge and skills in the areas of soils, forestry, aquatics, prairies, wildlife habitats, and conservation.

**Farm Business Management**



Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Score requirements below

**Course Description:** This course applies business and economic principles of decision-making and problem-solving in the management of a farm business. Covers cash flow, partial, enterprise, and whole-farm budgeting. It reviews information systems for farm accounting, analysis, and control. It examines obtaining and managing land, capital, and labor resources. It provides alternatives for farm business organization and risk management.

*Students receive 3 college credits for this course.*

**Requirement scores:**

SYP proficiency not required due to CTE.

**Principles of Agronomy**



Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Score requirements below

**Course Description:** This course is an introduction to the principles of crop production including soils, plant anatomy, crop plant classification and identification, plant physiology, plant breeding, seed and grain quality, product operations, pest management, and crop storage. Global Positioning (GPS) and Geographical Information Systems (GIS) in crop product is included.

*Students receive 3 college credits for this course.*

**Requirement scores:**

SYP proficiency not required due to CTE.

**Survey of the Animal Industry**



Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Score requirements below

**Considerations:** Production An. Science

**Course Description:** This course introduces students to the species and breeds of domestic livestock, the principles of livestock production, and issues facing the industry. Topics include breeds, basic management, and marketing of farm animals including beef, dairy, horses, goats, poultry, sheep and swine.

*Students receive 3 college credits for this course.*

**Requirement scores:**

SYP proficiency not required due to CTE.

## BUSINESS (CTE) COURSE DESCRIPTIONS

### Careers

Grade Level: 11  
Credits: 1  
Trimesters: 1  
**Considerations:** Junior requirement

**Course Description:** The course is divided into five phases that cover career standards: self-awareness, career awareness, education awareness, self-marketing tools, and interviewing skills. The students will be working in teams to simulate a workplace experience.

### Exploring Careers



Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Score requirements below

**Course Description:** This course will provide guidance in choosing a career goal and preparing for employment. Emphasis will be placed on identifying interests, abilities, and values, and exploring options for careers. Students will learn how to access labor market information and employment trends. Additionally, students will develop the skills and aptitudes necessary to obtain employment, emphasizing the development of characteristics associated with job success.

*Students receive 3 college credits for this course.*

**Requirement scores:**  
SYP proficiency not required due to CTE.

**Students can take this course to satisfy the UCSD Careers graduation requirement.**

### Personal Finance

Grade Level: 11  
Credits: 1  
Trimesters: 1  
**Considerations:** Junior requirement

**Course Description:** Students will focus on topics relevant to personal finance in everyday life. Topics will include savings and investing, living on your own, being a wise consumer, credit, protecting your identity, buying a house and car, insurance, and understanding loans.

### Intro to Accounting



Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Score requirements below

**Course Description:** This course presents the fundamental concepts, procedures, and applications of the accounting cycle for service and merchandising businesses. The proprietorship form of ownership is studied. Topics include the special journals, payroll accounting, and accounting for cash.

*Students receive 4 college credits for this course.*

**Requirement scores:**  
SYP proficiency not required due to CTE.

### Intro to Accounting II



Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Intro to Accounting

**Course Description:** This course is a continuation of Introduction to Accounting (ACC-115) emphasizing the principles of accrual accounting. Emphasis is placed on accounting for corporations and a manufacturing business. Topics include accounting for receivables, inventory, and long-term assets.

*Students receive 4 college credits for this course.*

**Requirement scores:**  
SYP proficiency not required due to CTE.



**BUSINESS, cont. & INFORMATION TECHNOLOGY (CTE) COURSE DESCRIPTIONS**

**Introduction to Business Leadership**

Grade Level: 9-10  
Credits: 1  
Trimesters: 1  
Prerequisite: None

**Course Description:** This course allows students to explore the topic of business. The overlying theme of the course is to develop a working definition of business including entrepreneurship, marketing, and management by infusing a constant business leadership emphasis including ethics. Students will work as individuals and in a team setting to accomplish this task. Class discussion will focus on many of the events occurring around the world that affect us in Iowa.

**Business Law**

Grade Level: 11-12  
Credits: 1  
Trimesters: 1  
Prerequisite: None

**Course Description:** This course is an introduction to the principles of law as they relate to business. This course includes an overview of our court system, sources of law, ethics and social responsibility, contracts, warranties, real property, landlord and tenant, negotiable instruments and agency.

**Business Publications**

Grade Level: 11-12  
Credits: 1-3  
Trimesters: 1-3  
Prerequisite: Computer Applications and Teacher approval

**Course Description:** Students taking this course have two major focuses throughout the academic year: 1) the UHS Yearbook and 2) UHS Athletic Programs. Students will utilize digital cameras and print photos in developing publications. Layout, graphic design, and ethical content will each be examined throughout the course. Leadership opportunities will exist for all students who are willing to dedicate time and effort to UHS publications. Meet with Mrs. Warren for teacher approval prior to scheduling.

**Introduction to Business**



Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Score requirements below

**Course Description:** This survey course explores the various fields within the world of business, how they differ, and how they are interrelated. Topics include business in a global environment, starting and growing your business, management, marketing management, managing technology, and managing financial resources. Students who are interested in a career in business or want to further their knowledge of the business world would benefit from this course.

*Students receive 3 college credits for this course.*

Requirement scores: SYP proficiency (page 7)

**Computer Applications**

Grade Level: 9  
Credits: 1  
Trimesters: 1  
**Considerations:** Freshman requirement

**Course Description:** This course will set up documents, prepare projects, and data mine information that will be helpful at Union High School and beyond using Microsoft Word, Excel, and PowerPoint. An electronic reference binder will be prepared of notes and projects. Online applications with Google Docs may be used. Students will have the opportunity to gain MS Office Certification.

**Intro to Computer Science**

Grade Level: 10-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Computer Applications

**Course Description:** This course provides students with the knowledge and skills necessary to construct computer programs by changing and reading computer languages. In this course, we will explore the background and history of computer science in general. Other portions of the course will allow students to develop apps, website creation, and game development. Students will learn to code through code.org programming and use the Gaming and Animation units to develop gaming.

**INFORMATION TECHNOLOGY (CTE), cont., & EDUCATION COURSE DESCRIPTIONS**

**Advanced Computer Science**

Grade Level: 10-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Intro Computer Science

**Course Description:** This course will provide a deeper look at several different topics in computer science. This is an advanced course that will be an independent look at specific topics such as cybersecurity, video editing, networking, connectivity, and 3D printing, as well as others. We will also explore the hardware of a computer and devices. Students will be approved on an individual basis by the instructor.

**Introduction to Computers**



Grade Level: 11-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Score requirements

**Course Description:** This is an introductory course in electronic information processing and information system management designed to provide the students with a general understanding of computer hardware and software and the facility to use this knowledge in the creation and management of useful information. Students will be given a hands-on experience with operating system, word processing, database management, and spreadsheet software.

*Students receive 3 college credits for this course.*

**Requirement scores:**

SYP proficiency (page 7)  
Accuplacer NG Reading 239 or ACT Reading 16 or 2.5+ GPA

*The following college-level education courses are taught within a one trimester period.*

**Academic Service Learning Experience**



Grade Level: 9-12  
Credits: 1/2  
Trimesters: 1  
Prerequisite: Score requirements

**Course Description:** Students in this course develop and/or implement service learning projects to help the college's (or high school's) community under the supervision of the instructor and in cooperation with the staff of community organizations and agencies.

*Students receive 1 college credit for this course.*

**Requirement scores:**

SYP proficiency (page 7)

**Foundations of Education**



Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Score requirements

**Course Description:** This course is designed to help students become aware of the foundations of teaching, understand the realities of teaching, and gain insight into the process of teaching. It is provided for students who may be undecided about teaching. The course will investigate the tools and information necessary to make a rational and thoughtful choice about pursuing the teaching profession.

*Students receive 3 college credits for this course.*

**Requirement scores:**

SYP proficiency (page 7)

**FAMILY AND CONSUMER SCIENCE (CTE) COURSE DESCRIPTIONS**

**Child Development I**

Grade Level: 10-12  
Credits: 1  
Trimesters: 1  
Prerequisite: None

**Course Description:** The focus of this class is for students to understand, support and nurture the development of children. Units will include the family decision to parent, careers related to children, strengthening families, discipline and guidance, prenatal development, labor and delivery, infancy, (conception to age 18 months), and the physical, intellectual, emotional, and social developmental tasks during these stages. Students will care for an infant simulator for 48 hours (or more.) Many contemporary parenting concerns, including child abuse, substitute child care, and children's educational needs are explored. Students will learn how to promote interactions with children which are enjoyable, supportive, encouraging and rewarding. Students will plan and participate in age appropriate projects.

**Child Development II**

Grade Level: 10-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Child Development I

**Course Description:** Child Development II builds on Child Development I focusing on the physical, intellectual, emotional and social development characteristics of toddlers, preschool age, and school age children. Also included are effective child guidance techniques, researching and reflecting on current issues affecting children and families, understanding children with special needs, and preparing and teaching a preschool lesson. Students will have practical experience working with young children in a school or daycare setting.

**Housing & Interior Design**

Grade Level: 10-12  
Credits: 1  
Trimesters: 1  
Prerequisite: None

**Course Description:** This course is concerned with homes as an environment for families, human needs and housing, choosing a career in the housing profession, early homes, housing trends, and buying a

***(Housing & Interior Design description, cont.)***

home. The course also includes the elements and principles of design, architectural styles, color, backgrounds, (paint, trim, flooring, wall and window treatments) furniture styles and arrangement, and floor plans. Class work will include a cumulative major individual project (housing notebook). Self-motivation and personal responsibility are essential to success in the course.

**Human Relationships & Parenting**

Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: None

**Course Description:** This is a course designed to help students explore all aspects of the impact of relationships in their life while encouraging personal growth and strong family relationships. Units in the class will include: the family as the foundation of our society trends affecting families, strengthening relationships, roles and relationships, birth order and personality, improving communication and resolving conflicts, decision making skills, lifestyle options and consequences, dealing with crisis, balancing work and family life, divorce and remarriage, coping with death, dating and preparing for marriage, the decision to parent and skills needed to be a successful parent. Students will be expected to respectfully discuss and interact in class.

**Nutrition & Wellness I**

Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: None

**Course Description:** This course emphasizes the basic principles of food preparation. Major units and topics include food and kitchen safety, sanitation, buying and storing food, measurement methods, reading a recipe, food preparation terms, knife skills, food-related careers, nutrition, fruits and vegetables, quick and yeast breads, microwave cooking, eggs, dairy, table settings and etiquette. Math concepts are used extensively in a foods class, including changing recipe yield, equivalents, and fractions, and measuring ingredients accurately. The major concepts will be developed through hands-on laboratory preparation, scientific inquiry laboratory experiences, and project-based learning. Several major projects are included.

**FAMILY AND CONSUMER SCI. (CTE), cont. & INDUSTRIAL TECHNOLOGY COURSE DESCRIPTIONS**

**Nutrition & Wellness II**

Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Nutrition & Wellness I

**Course Description:** This course builds on the knowledge acquired in Nutrition and Wellness I. Major units covered include appetizers, soups and salads, meats, poultry, fish, cakes, a cultural food research project, meal management, food preservation, and food industry careers. The major concepts will be developed through hands-on laboratory preparation, scientific inquiry laboratory experiences, and project-based learning. Several major projects are included.

**Intro to Hospitality**



Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: None

**Course Description:** This course is the introduction to the food service, lodging, and tourism components of the hospitality industry. It covers background information, current issues, resume writing, and future challenges in various segments of the industry.

*Students receive 3 college credits for this course.*

**Requirement scores:**  
SYP proficiency not required due to CTE.

**Event Planning & Customer Service 1**



Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: None

**Course Description:** This course will cover all aspects of event planning and customer service relating to the restaurant and hospitality fields. Student will engage in a hands on learning experience of dealing with real life customers and planning events.

*Students receive 3 college credits for this course.*

**Requirement scores:**  
SYP proficiency not required due to CTE.

**Menu Planning & Design**



Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: None

**Course Description:** This course applies the principles of menu planning and layout to the development of menus for a variety of types of facilities and service. The course will also examine the kitchen design, and facility layout.

*Students receive 2 college credits for this course.*

**Requirement scores:**  
SYP proficiency not required due to CTE.

***The following industrial technology courses require the use of safety glasses. These are provided to the student. If a student loses their pair, another can be purchased from the main office.***

**Intro to Industrial Technology**

Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
**Considerations:** Prerequisite to other Ind. Tech courses

**Course Description:** This hands-on class will introduce students to the basics of technology: communication, construction, manufacturing, and energy/power/transportation. Activities will include designing mousetrap-powered cars, solving design problems, learning the basics of CAD, programming the CNC mill, and building a mass production project.

**INDUSTRIAL TECHNOLOGY (CTE) COURSE DESCRIPTIONS**

**Auto Ownership**

Grade Level: 10-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Intro Ind. Tech.

**Course Description:** This course is designed to give students the knowledge and skills to purchase, lease, own, and maintain a vehicle. The course will cover topics such as automotive careers, selecting the right vehicle for you, financial responsibility of owning a car, shopping for insurance, car care, fluid checks, and component identification. Hands-on activities will include the following: automotive cleaning, fluid checks, changing oil, starting a dead battery, wiper blade replacement, tire inspection/removal, changing lights, and inspecting brakes.

**Light Construction I**

Grade Level: 11-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Intro Ind. Tech.

**Course Description:** Students will gain a general understanding of the world of civil, residential, and commercial construction. Units in the course will include: construction careers, building layout, plot plans, calculating cut/fill, concrete, and basic wall framing. Hands-on activities will include pouring concrete, using GPS, framing a wall, and squaring a building.

**Light Construction II**

Grade Level: 11-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Light Construction I

**Course Description:** This course will provide additional construction experiences. Students will learn about and demonstrate various building trade skills. Hands-on activities include laying concrete block/brick, wall framing, drywall, installing plumbing fixtures, laying floor/wall tile, electrical wiring, asphalt/metal roofing, installing doors/windows, and heating/cooling systems.

**Metal Processing/  
Production**

Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Intro Ind. Tech. or Teacher Approval

**Course Description:** This hands-on class will give students a basic understanding about the processes used in the metalworking industry. Students will study and have hands-on activities in metallurgy, types of metals, foundry, heat treatment, machining, micrometers, metal lathe, sheet metal, arc welding, MIG welding, gas welding, plasma cutting, and using the CNC mill.

**Emerging  
Technologies**

Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Intro Ind. Tech.

**Course Description:** This course is designed for students who are interested in design and engineering or another technical career. Students will have the opportunity to develop skills in research, teamwork, technical writing, engineering graphics, and problem solving through design problems. Students will use various software including Autodesk Inventor, VinylMaster, etc. along with machinery including a vinyl printer and vinyl cutter to design and document their solutions to business-like problems.

**Wood Processing/  
Production I**

Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Intro Ind. Tech. or Teacher Approval

**Course Description:** This course is designed to give students an introduction to woodworking technology. Students will study species of wood, machine safety, finishing, and material cost calculating. This course gives students the opportunity to experience the importance of working together as well as independently to create products that meet high expectations. As a class, students will work together to mass produce a woodworking project that they will have an opportunity to purchase.

**INDUSTRIAL TECHNOLOGY (CTE), cont. COURSE DESCRIPTIONS**

**Wood Processing/  
Production II**

Grade Level: 10-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Wood Process/Prod. I

**Course Description:** This hands-on class will allow students to increase their knowledge and skills in woodworking. Students will use higher order thinking to prepare materials, set goals, manage time, document progress, and build their own projects. Students get the opportunity to choose the project they create but must use advanced woodworking joinery and construction techniques. In addition, students will be required to turn a wood lathe project.

*The following college-level courses are taught together within a one trimester period.*

**Intro to Welding,  
Safety, & Health of  
Welders**



Grade Level: 9-12  
Credits: 1/3  
Trimesters: 1  
**Considerations:** Metal Process/Prod.

**Course Description:** This course provides students with orientation to the welding profession and will cover the basics of safety and health within the welding profession. This course aligns to SENSE Level 1, Module 1 and Module 2 – Key Indicators 1-6.

*Students receive 1 college credit for this course.*

**Requirement scores:**  
SYP proficiency not required due to CTE.

**Gas Metal Arc Welding:  
SENSE 1**



Grade Level: 9-12  
Credits: 2/3  
Trimesters: 1  
**Considerations:** Metal Process/Prod.

**Course Description:** This course focuses on proper weld safety, machine setup and welding techniques of Gas Metal Arc Welding Short-Circuiting Transfer. Students perform American Welding Society compliant welds on carbon steel, in flat, horizontal, vertical and overhead positions. This course will prepare students to take an AWS welder certification test, which is recommended for its successful completion. This course aligns with SENSE Level 1 Module 5: Gas Metal Arc Welding Key Indicators 1-7. Also aligns to SENSE Level 3, Drawing and Welding Symbol Interpretation, Key Indicator 3.

*Students receive 2 college credits for this course.*

**Requirement scores:**  
SYP proficiency not required due to CTE.

## NON-CURRICULAR COURSE DESCRIPTIONS

### Academic Decathlon

Grade Level: 9-12  
Credits: 2  
Trimesters: 2  
Prerequisite: None

**Course Description:** This class emphasizes content in the areas of Art, Literature, Music, Social Science, Economics, and Science. The specific course content changes every year based on the United States Academic Decathlon study guide for that year. Throughout the course students will study each curricular area and make a series of presentations to the class. This course provides students with the opportunity to study curriculum and learn through content that is not offered in the typical high school classroom.

*Participation in the regional Academic Decathlon competition is a requirement for this class.*

*The topic for 2023-34 is "Technology and Humanity."*

### Internship

Grade Level: 12  
Credits: 1-3  
Trimesters: 1-3  
Prerequisite: Good acad. standing

**Course Description:** This provides students with a trimester-long half-day work experience in a field related to their interests. Students must pick up an internship packet to review and complete the application in a timely manner. Placement is coordinated by Mrs. Kriz – you will not find your own placement and cannot be placed with any family member. A pre-internship visit or interview may be required at the placement site. Goals are typically set cooperatively by the student, teacher, and employer. Two projects are required and students must track their hours at the worksite. Teacher visits and an employer review will occur. Credits earned is based on hours logged on the site.

### College 101



Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: None

**Course Description:** This course provides students a thorough orientation to the college campus and resources. The course is designed to introduce students to the college culture while they examine what a "successful" student is. Students will be introduced to a variety of skills for academic success, academic planning, personal development, and study strategies.

*Students receive 3 college credits for this course.*

Requirement scores:  
SYP proficiency (page 7)

### Work Study

Grade Level: 11-12  
Credits: ½  
Trimesters: 1  
Prerequisite: None

**Course Description:** The student is assigned to a classroom/teacher to help with any tasks such as grading, sorting, making copies, setting up labs, etc. Students may also peer tutor which includes helping students with assignments, proofreading, and/or studying for tests. The students should have high knowledge or skill in the particular area interested in tutoring. Students must coordinate their work study with a teacher's prep period. Daily activities must be documented to earn the credit. There is a max of one student per teacher per trimester.

*Students can take a maximum of three (3) work studies total during their junior and senior years.*

**HAWKEYE COMMUNITY COLLEGE ON CAMPUS/ONLINE COURSE DESCRIPTIONS**

**Power Technology Academy**

Grade Level: 9-12  
Credits: 2+  
**Semesters:** 1-4  
**Considerations:** Auto Ownership

**Course Description:** This Academy includes courses from all three related Hawkeye programs: Automotive Technology, Auto Collision Technology, and Diesel Technology. Students who complete this sequence will have the first-hand experience they need to choose the best pathway for their career interest.

Courses are predetermined but involve the following:  
Intro to Auto Tech I and II, Auto Engine Repair, Gas Engine Rebuild, and Intro to Collision Repair.

*This is ON CAMPUS only – must have 5-6<sup>th</sup> periods free to attend and be able to drive.*

Requirement scores:  
SYP proficiency is not needed due to CTE.

**Diversity in America**

Grade Level: 9-12  
Credits: 1  
**Semesters:** 1  
**Prerequisite:** Score requirement

**Course Description:** This course provides an introduction to the sociological study of group relations in the United States. the focus will be on race, class, and gender. However, other identities (such as religion, sexual orientation, age, and abilities) will also be explored. Students will gain a better understanding of the relationship between individuals and society, as well as of the experiences of various minority groups.

*Students receive 3 college credits for this course.*

Requirement Scores:  
SYP Proficiency (see page 7)

**Public Speaking**

Grade Level: 9-12  
Credits: 1  
**Semesters:** 1  
**Prerequisite:** Score requirement

**Course Description:** This course studies the fundamentals of public speaking, emphasizing the process of speech preparation and delivery in various contexts.

*Students receive 3 college credits for this course.*

Requirement Scores:  
SYP Proficiency (see page 7)

**Medical Terminology**

Grade Level: 9-12  
Credits: 1  
**Semesters:** 1  
**Prerequisite:** None

**Course Description:** This course presents the foundation necessary to develop a basic medical terminology vocabulary. Emphasis on the components of terms as related to each body system will be provided. The course further provides the student with the opportunity to properly spell, pronounce and utilize medical terms in relation to pathological conditions, tests, and procedures. Common medical abbreviations will also be discussed for each system.

*Students receive 2 college credits for this course.*

Requirement scores:  
SYP proficiency is not needed.



**HAWKEYE COMMUNITY COLLEGE ON CAMPUS/ONLINE, cont. COURSE DESCRIPTIONS**

**Nurse Aid (CNA)**

Grade Level: 10-12  
Credits: 1  
**Quarters:** 1  
Prerequisite: Must be 16 years old

**Course Description:** This course is designed to meet the training requirements of The Omnibus Reconciliation Act of 1987 (OBRA) for aides working in nursing facilities (NF) and skilled nursing facilities (SNF). Emphasis in the course is on students achieving a basic level of knowledge and demonstrating skills to provide safe, effective resident/client care. Students must be 16 years old to take this course and have a background check completed, among a few other things.

*Students receive 3.5 college credits for this course.  
This is a night class on Hawkeye's Adult Learning Center campus.*

No requirement scores needed for this course.

**Nutrition**

Grade Level: 9-12  
Credits: 1  
**Semesters:** 1  
Prerequisite: Score requirement

**Course Description:** Nutrition will introduce students to the science of nutrition. The course will examine individual nutrients, their structure and function in the human body, nutrient composition of food, and selection of food to meet nutrient needs as well as to maintain health and satisfaction. Students will understand and apply present day knowledge of nutrition to dietary patterns and needs of selected individuals and groups. The course is an advanced beginning course in human nutrition designed for students with a science background.

*Students receive 3 college credits for this course.*

Requirement scores:  
SYP proficiency (see page 7)

**Western Civilizations I: Ancient & Med**

Grade Level: 9-12  
Credits: 1  
**Semesters:** 1  
Prerequisite: Score requirement

**Course Description:** This course traces the development of Western Civilization from prehistory to 1300 C.E., the end of the High Middle Ages. The role of the Humanities is emphasized. The course explores major political, social, economic, scientific, intellectual, cultural, and religious developments contributing to Western societies. These include the significant events and contributions of early Middle Eastern civilizations, classical and Hellenistic Greece, the Roman Empire, its successors, the rise of the Western Christian Church, and Medieval Europe.

*Students receive 3 college credits for this course.*

Requirement Scores:  
SYP Proficiency (see page 7)

**Western Civilizations II: Early Modern**

Grade Level: 9-12  
Credits: 1  
**Semesters:** 1  
Prerequisite: Score requirement

**Course Description:** This course surveys the development of Western Civilization, covering the end of the High Middle Ages of Europe to the French Revolution. The role of the Humanities is emphasized. The course will examine the major political, social, economic, intellectual, cultural, and religious developments contributing to the emergence of modern Western European Society. This includes the significant events and contributions of the Renaissance, the Reformation, the Columbian Exchange, the Scientific Revolution, and the Enlightenment.

*Students receive 3 college credits for this course.*

Requirement Scores:  
SYP Proficiency (see page 7)

**HAWKEYE COMMUNITY COLLEGE ON CAMPUS/ONLINE, cont. COURSE DESCRIPTIONS**

**Western Civilizations III: Modern Period**

Grade Level: 9-12  
Credits: 1  
**Semesters:** 1  
Prerequisite: Score requirement

**Course Description:** This course will continue exploring the development of Western Civilization, covering the period from the French Revolution until the present. The role of the Humanities is emphasized. The course will examine the major political, social, economic, intellectual, cultural, and religious developments contributing toward Western Society. Included are such major developments as the industrial revolution, the French revolution, Romanticism, European colonialism, World War I, World War II, the Cold War, the new European order, and the world of the Twenty-first Century.

*Students receive 3 college credits for this course.*

Requirement scores:  
SYP proficiency (see page 7)

**Introduction to Health Professions**

Grade Level: 9-12  
Credits: 1  
**Semesters:** ½ (8-weeks)  
Prerequisite: None

**Course Description:** This course introduces the student to the healthcare system and provides an opportunity to explore a wide variety of health careers/professions. Students will explore ethical and legal responsibilities within the healthcare system including expectations for professional behavior. This course will allow for certification in common healthcare requirements.

*Students receive 2 college credits for this course.*

Requirement scores:  
SYP proficiency not required due to CTE.

**Statistics**

Grade Level: 9-12  
Credits: 1  
**Semesters:** 1  
Prerequisite: Score requirement

**Course Description:** This course is a study of descriptive statistics including graphical representation, central tendency, correlation and regression, intuitive treatment of probability and inferential statistics including hypothesis testing.

*Students receive 3 college credits for this course.*

Requirement scores:  
SYP proficiency (see page 7)  
Accuplacer NG QRAS 259 or ACT Math 19

**Calculus I and II**

Grade Level: 9-12  
Credits: 1  
**Semesters:** 1  
Prerequisite: Score requirement

**Course Description:** The first in a calculus sequence, Calculus I covers topics including functions and their graphs, limits, derivatives, applications of the derivative, and integrals.

Calculus II covers topics including integration techniques related to surface areas and volumes, infinite series, conic sections, parametric equations and polar coordinates.

*Students receive 4 college credits for each course.*

Requirement scores:  
SYP proficiency (see page 7)  
Accuplacer NG AAF 276 or ACT Math 27 or 2.8+ GPA with C or higher in HS Calculus

**PSEO ON CAMPUS/ONLINE AND WATERLOO CAREER CENTER COURSE DESCRIPTIONS**

**Post-Secondary Enrollment Options (PSEO)**

*On campus:*

University of Northern Iowa on campus course options must be looked at with Mrs. Kriz by the last day Friday in April. Students must have their ACT taken and apply to UNI prior to registration (per UNI PSEO rules). Mrs. Kriz can help with all the steps.

*Online:*

Upper Iowa University online course options can be found at [uiu.edu/academics/online-distance-learning/online-learning/](http://uiu.edu/academics/online-distance-learning/online-learning/). Please discuss scheduling options and choices with Mrs. Kriz by the last Friday in of April. A PSEO application is required to take classes through UIU.

**Waterloo Career Center**

Union High School students of all grades can utilize Career Technical Education (CTE) programs at the Waterloo Career Center located in Central Middle School in Waterloo. Programs available include:

- Advanced Manufacturing** – some classes are college-level and receive credit at Hawkeye CC
- Culinary** – offered in partnership with Kirkwood Community College
- Digital Graphics** - some classes are college-level and receive credit at Hawkeye CC
- Digital Interactive Media** - some classes are college-level and receive credit at Hawkeye CC
- Early Childhood Education** - some classes are college-level and receive credit at Hawkeye CC
- Electrical** - some classes are college-level and receive credit at DMACC
- Financial Services** - some classes are college-level and receive credit at Hawkeye CC
- IT – Web, Mobile & Cyber Security** - some classes are college-level and receive credit at Hawkeye CC
- Marketing** - some classes are college-level and receive credit at Hawkeye CC
- Medical Laboratory Technology** - some classes are college-level and receive credit at Hawkeye CC
- Plumbing** - some classes are college-level and receive credit at Kirkwood Community College
- Sustainable Construction** - some classes are college-level and receive credit at Hawkeye CC

Students must meet proficiencies set by the coordinating community college. Students do not have to meet ISASP proficiencies due to them being CTE courses.

Students should note these programs are offered in semesters and block scheduling. Transportation is not provided to or from the WCC.

Students can only take WCC courses that are for college credit.

Students must meet with Mrs. Kriz to review their schedule prior to enrolling in WCC courses.

## SCI COURSE DESCRIPTIONS

*SCI courses are designed for students with an Individualized Education Program (IEP) and scheduled with teacher recommendation.*

### **Fusion Reading**

Grade Level: 9  
Credits: 2  
Trimesters: 2  
Prerequisite: Teacher Recommendation

**Course Description:** In Fusion Reading, students learn various strategies that they can apply to different reading situations. Strategies address decoding, comprehension, and test-taking skills. The course also emphasizes vocabulary building and independent reading appreciation.

### **Independent Reading I**

Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Teacher Recommendation

**Course Description:** Topics covered include analysis, comprehension, synthesis, and evaluating books.

### **Independent Reading II**

Grade Level: 9-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Ind. Reading I

**Course Description:** Topics covered include analysis, comprehension, synthesis, and evaluating books.

### **Independent Read. III**

Grade Level: 11-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Ind. Reading II

**Course Description:** Topics covered include analysis, comprehension, synthesis, and evaluating books.

### **Comp & Lit (A & B)**

Grade Level: 11-12  
Credits: 2  
Trimesters: 2  
Prerequisite: English II A & B

**Course Description:** Students will be demonstrating reading comprehension, learning elements of a story, developing speaking skills, writing, and reading and writing poetry, as well as collaborating to develop projects.

### **Basic Math**

Grade Level: 9  
Credits: 3  
Trimesters: 3  
Prerequisite: Teacher recommendation

**Course Description:** This course will cover basic addition, subtraction, multiplication, division, fractions, decimals, graphing, and daily “real life” math including grocery and household budgets and payroll.

### **Basic Math II-IV**

Grade Level: 10-12  
Credits: 3-9  
Trimesters: 3-9  
Prerequisite: Teacher recommendation

**Course Description:** This course is a continuation of Basic Math I and covers addition, subtraction, multiplication, division and fractions. It will prepare students to move onto the next level of math.

### **Practical Math**

Grade Level: 9-11  
Credits: 3  
Trimesters: 3  
Prerequisite: Teacher recommendation

**Course Description:** This course covers topics such as checkbooks, ratios, decimals, and basic algebra. This course is more advanced than Basic Math.

**SCI, cont. COURSE DESCRIPTIONS**

**World Studies (A & B)**

Grade Level: 9-10  
Credits: 2  
Trimesters: 2  
Prerequisite: Teacher recommendation

**Course Description:** This course covers topics such as ancient civilization, Greece and Rome, the middle ages, the Renaissance, exploration, democracy, imperialism, nationalism, major world religions, Middle East conflict, destinations of outsourcing, and conflict in Africa. *This course is taught in a pull-out section.*

**U.S. History (A & B)**

Grade Level: 11-12  
Credits: 2  
Trimesters: 2  
Prerequisite: Teacher recommendation

**Course Description:** This course covers topics such as diversity of our nation, immigration, industrialization, challenges and opportunities in our history. *This course is taught in a pull-out section.*

**Amer. Government**

Grade Level: 11-12  
Credits: 1  
Trimesters: 1  
Prerequisite: Teacher recommendation

**Course Description:** This course will cover the following areas through lecture, discussion, reading, worksheets, quizzes and tests: voting and participation, current fiscal information, political systems, constitutional background, federalism (relations between state and national government), and the Constitution (with branches of government). *This course is taught in a pull-out section.*

**Directed Study**

Grade Level: 9-12  
Credits: .33 per Trimester  
Trimesters: 1-3  
Prerequisite: None

**Course Description:** Goal monitoring and homework assistance completed with roster teacher.

**E.B.C.E.**

Grade Level: 11-12  
Credits: 2  
Trimesters: 1-3  
Prerequisite: Teacher recommendation

**Course Description:** This is a work study program which is placement at a job site for up to two hours per day, unpaid, to learn new skills, work performance, attendance, attitude, and appropriate attire. This can be taken both junior and senior years for a maximum of 12 credits.