THE SCHEDULING PROCESS

This handbook is a compilation of the courses offered at Union. It includes required and elective courses for grades 9, 10, 11, and 12. To be offered, each course must have a specified number of pre-enrolled students. Demand for the course, as well as teacher and classroom availability, determine class offerings.

The scheduling procedure begins with the scheduling team, consisting of administrators, teachers, and counselors who meet with the students to explain the various aspects of the high school program of studies, as well as the sequence and limitations of the scheduling process. Parents of students in grades 9-11 are required to approve the student’s schedule.

Course selection should be a definite decision, thoughtfully made by the student with careful consultation from parents, teachers, and counselors.

Consider: 1) specific courses and number of credits required for graduation; 2) prior success and failures; 3) special interests and aptitudes, and; 4) future college and career plans.

REQUIREMENTS FOR ADMISSION TO OKLAHOMA COLLEGES AND UNIVERSITIES, FALL 2009

The admission standards are set by the Oklahoma State Regents for Higher Education and are revised annually if needed.

Options for Admission of First-Time Entering High School Students

<table>
<thead>
<tr>
<th>Option 1</th>
<th>Option 2</th>
<th>Option 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum ACT/SAT and GPA</td>
<td>Minimum GPA and Class Rank</td>
<td>Minimum ACT and Class Rank</td>
</tr>
<tr>
<td>University of Oklahoma</td>
<td>University of Oklahoma</td>
<td>University of Oklahoma</td>
</tr>
<tr>
<td>Resident</td>
<td>Resident</td>
<td>Resident</td>
</tr>
<tr>
<td>24 / 1060</td>
<td>24 / 1090</td>
<td>24 / 1060</td>
</tr>
<tr>
<td>3.0 GPA or top 50%²</td>
<td>3.0 GPA or top 50%²</td>
<td>ACT 24/1060</td>
</tr>
<tr>
<td>Oklahoma State University</td>
<td>Oklahoma State University</td>
<td>Oklahoma State University</td>
</tr>
<tr>
<td>24 / 1090</td>
<td>3.0 GPA or top 50%²</td>
<td>ACT 24/1060</td>
</tr>
<tr>
<td>University of Science</td>
<td>University of Science</td>
<td>University of Science</td>
</tr>
<tr>
<td>and Arts of Oklahoma</td>
<td>and Arts of Oklahoma</td>
<td>and Arts of Oklahoma</td>
</tr>
<tr>
<td>22 / 1020</td>
<td>3.0 GPA or top 50%²</td>
<td>ACT 24/1060</td>
</tr>
<tr>
<td>3.0 CORE GPA</td>
<td>3.0 GPA or top 50%²</td>
<td>ACT 24/1060</td>
</tr>
<tr>
<td>Regional Universities</td>
<td>Regional Universities</td>
<td>Regional Universities</td>
</tr>
<tr>
<td>20 / 940</td>
<td>2.7 GPA or top 50%²</td>
<td>2.7 CORE GPA</td>
</tr>
<tr>
<td>Community College</td>
<td>Community College</td>
<td>Community College</td>
</tr>
<tr>
<td>No minimum required</td>
<td>No minimum required</td>
<td>No minimum required</td>
</tr>
</tbody>
</table>

Four additional units are also recommended for college preparation: 1 unit of mathematics, 1 unit of laboratory science, and 2 units of speech or fine arts (music, art, or drama). First-time entering students must meet assessment requirements before enrolling in college-level courses. See the State Regents’ Assessment Policy for more information.

1Additional weighting (1.0) will be added to GPAs of students who take Advanced Placement and higher-level International Baccalaureate courses.

2Students meeting the following requirements under each admission option will be placed on a waiting list and evaluated according to stated policy: Option 1—students with the required ACT score but less than a 3.0 GPA and lower than the top 50% of the high school class; Option 2—students in the top 26-30% of their high school class with at least a 3.0 GPA; and Option 3—all students.

3Nonresident students not meeting these standards but otherwise meeting admission standards for resident students may be placed on a waiting list and evaluated according to stated policy.

4Nonresident students meeting standards in this category will be placed on a waiting list and evaluated according to stated policy.

COLLEGE ENTRANCE REQUIREMENTS FOR 4-YEAR STATE COLLEGES

English-4 credits; Science-3 credits lab classes; Math-3 credits (Algebra I, Algebra II, Geometry, Trigonometry, Math Analysis, Calculus); History-2 credits including 1 credit American; Other Subjects and Electives-1 credit Citizenship Skills (Economics, Geography, Government or non-Western Culture) and 2 credits from any class listed previously, foreign language courses, or computer science courses.

Total: 15 credits
ACE GRADUATION CHECKLIST

A summary of Oklahoma’s College Preparatory/Work Ready Curriculum standards from the Achieving Classroom Excellence Act of 2005 (ACE), Title 70 O.S. § 11-103.6.

English (4 CREDITS)
- [ ] English I
- [ ] English II
- [ ] English III
- [ ] English IV
- [ ] Other English course approved

Mathematics (3 CREDITS)
Beginning with those entering the 9th grade in the 2008-09 school year, all students must take 3 units of Mathematics in Grades 9-12 in addition to any of the following courses taken prior to Grade 9.
- [ ] Algebra I
- [ ] Algebra II
- [ ] Geometry
- [ ] Trigonometry
- [ ] Math Analysis
- [ ] Calculus
- [ ] AP * Statistics
- [ ] Other mathematics course approved for college admission

Laboratory Science (3 CREDITS)
- [ ] Biology I
- [ ] Chemistry
- [ ] Physics
- [ ] Other laboratory science course approved for college admission

History and Citizenship Skills (3 CREDITS)
- [ ] 1 United States History, and
- [ ] ½ United States Government
- [ ] ½ Oklahoma History
- [ ] 1 selected from the subjects of History, Government, Geography, Economics, Civics, or non-Western culture and approved to meet college admission requirements

Personal Financial Literacy Requirement (Title 70 O.S. § 11-103.6h )
Beginning with students entering the 7th grade in the 2008-2009 school year, in order to graduate from a public high school, students must complete and demonstrate satisfactory knowledge in 14 areas of instruction related to financial literacy, including such topics as credit card debt, saving money, interest, balancing a checkbook, understanding loans, identity theft, and earning an income. School districts have the option of determining when the areas of instruction are taught and whether these are integrated into existing courses or taught as a separate course (which may count as an elective credit). Contact your local school district officials for specific details.

24 CREDITS and/or sets of competencies are required in order to meet state graduation requirements.
WEIGHTED GRADE AND CLASS RANKING PROCEDURES

It is the philosophy of the Union Public School District, and the policy of the Board of Education to encourage students to enroll in those courses that challenge even the most academically able student. Students who enroll in these challenging courses are to be compensated by awarding grades that are weighted more than the grades awarded in less academically demanding courses. The basic purpose of the “weighted grade” is to provide an incentive for students to enroll in a program of advanced studies.

A. All courses taken for high school credit will be included on the student transcript. Courses taken in grades 9-12 will be considered when calculating the grade point average (GPA).
B. For purposes of determining class rank, the following weight systems will be used:

<table>
<thead>
<tr>
<th>Weight</th>
<th>Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
</tr>
<tr>
<td>AP courses:</td>
<td>2.0</td>
</tr>
<tr>
<td>Pre-AP courses:</td>
<td>1.0</td>
</tr>
<tr>
<td>All others:</td>
<td>0</td>
</tr>
</tbody>
</table>

C. Students may receive an AP-weighted grade for certain college courses taken by concurrent enrollment. In order for this to occur:
• The student must exhaust all AP-level courses offered in a subject area and must pass the AP exam(s) with a score (or scores) sufficient to earn college credit for all AP courses taken in the subject area.
• The course taken concurrently at a higher education institution must be a course that exceeds the rigor of the AP courses that the student has already received AP credit for in that subject area.

DISTINGUISHED GRADUATE PROGRAM

To recognize outstanding academic achievement and service to school and community, Union Public Schools has a “Distinguished Graduate” program for high school students. Students who have completed at least 100 hours of community service will receive an e-mail notification with an attached Distinguished Graduate verification form after January 15th of their senior year with instructions to request a transcript and return it to the College and Career Center, along with the completed verification form, by February 15th.

General Requirements:
• No grade lower than “C.”
• 4.0 GPA on a 6.0 scale.
• Minimum of 12 units of 5 pt. classes (ie. Pre-AP classes), AP classes, Tulsa Technology engineering classes (limit two) or dual credit/concurrent classes (core only: math, English, social studies, science, or foreign language). Three classes must be AP.
• 100 hours of school or community service
• Achieve a satisfactory score, or its equivalent, on all end-of-instruction tests (Biology I, Algebra I, English II and US History)

Course Requirements:
• 4 credits Math (including one credit of higher math--Pre-Calc Trig or AP Statistics)
• 4 credits English
• 4 credits Social Studies-all courses listed under Social Studies in the course guide are eligible
• 4 credits Science
• Foreign Language or Computer Science (2 credits)

Two credits are required from the areas listed below with no restrictions on the number of credits from any given area. For example, a student could take two credits from one area or could take one credit from two different areas.

The areas and/or courses are: Fine Arts, Athletics, Business, Computer Science, Leadership, Foreign Language (excluding the two (2) years required in Section E above) and other electives offered by Core Curriculum subjects not listed in sections A through E in the Course Requirements listed above.
REMEDIATION COURSES

Courses will be offered for students who have not passed the required Oklahoma Core Curriculum Test(s) or the End of Instruction exam(s) for those courses.

PRE-AP AND AP COURSES

Beginning in the 9th grade, students have the opportunity to challenge themselves academically by participating in our Pre-AP and AP programs. Courses designated Pre-AP are taught at a more challenging and higher academic level in order to prepare students for the AP courses. Advanced Placement (AP) courses which begin in the 10th grade are taught with special instructional strategies prescribed by the College Board and are basically college-level courses. AP exams are offered at the end of AP courses and with particular scores, students have the possibility of earning college credit.

CONCURRENT ENROLLMENT

Concurrent enrollment is a program by which students can earn both college and high school credit for college courses taken. Students may use one or more hours of the regular school day for this purpose. For more information, contact your high school counselor. Juniors and seniors must earn a 19 (composite) ACT or have a GPA of 2.5 and subject score of 19 in order to be a concurrent student. Math courses require a subject score of 21.

LAB FEE EXEMPTION

No student will be denied enrollment in a class due to inability to pay fees or provide materials for that course (i.e., Photography, Ceramics, mathematics calculators, science lab fees). To pursue lab fee exemption, see your counselor.

COMMUNITY SERVICE RECOGNITION

1. Students must complete 200 service hours in grades 9-12 by the end of first semester of their 12th grade year.
   A. It is suggested that 50 hours be recorded by the end of the Freshman year.
   B. A minimum of 40 must be performed through a Union club, team, class project, or through the College and Career Center. It is suggested that 10 hours be performed each year.
   C. If a student enters Union as a Sophomore, he/she will be required to complete 150 total hours.
2. Hours may be earned during the summer beginning before the freshman year.
3. The verification form must be turned in to the office no later than ONE MONTH after the service is performed. SUMMER HOURS MUST BE RECORDED AND TURNED IN BY THE END OF SEPTEMBER. If the same service is done on a weekly or monthly basis, one evaluation form may be used for every 8 occurrences but has to be turned in within one month of the last day of service recorded on the form.
4. Only actual hours of service may be record—NOT travel time, required meetings and miscellaneous time. Students are limited to 6 hours per day.
5. Service performed as a disciplinary action CANNOT be counted.
6. Service hours performed for family, including extended family, CANNOT be counted.
7. Parents CANNOT sign as the supervising adult.
8. Service must be performed through a tax-exempt or recognizable charitable agency. Pre-approval for any other sites must be obtained.

A community service stamp will be placed on the final transcript of students completing the requirements.
# NCAA Division I Initial-Eligibility Requirements

**Core Courses:** (16)

- Initial full-time collegiate enrollment **before** August 1, 2016:
  - Sixteen (16) core courses are required (see chart below for subject-area requirements).

- Initial full-time collegiate enrollment **on or after** August 1, 2016:
  - Sixteen (16) core courses are required (see chart below for subject-area requirements).
    - Ten (10) core courses completed before the seventh semester; seven (7) of the 10 must be in English, math or natural/physical science.
    - These courses/grades are "locked in" at start of the seventh semester (cannot be repeated for grade-point average [GPA] improvement to meet initial-eligibility requirements for competition).
  - Students who do not meet core-course progression requirements may still be eligible to receive athletics aid and practice in the initial year of enrollment by meeting academic redshirt requirements (see below).

## Test Scores: (ACT/SAT)

- Students must present a corresponding test score and core-course GPA on the sliding scale (see Page No. 2).
  - SAT: critical reading and math sections.
  - Best sub-score from each section is used to determine the SAT combined score for initial eligibility.
  - ACT: English, math, reading and science sections.
  - Best sub-score from each section is used to determine the ACT sum score for initial eligibility.

- All ACT and SAT attempts **before** initial full-time collegiate enrollment may be used for initial eligibility.

- Enter 9999 during ACT or SAT registration to ensure the testing agency reports your score directly to the NCAA Eligibility Center. *Test scores on transcripts will not be used.*

**Core Grade-Point Average:**

- Only core courses that appear on the high school’s List of NCAA Courses on the NCAA Eligibility Center’s website (www.eligibilitycenter.org) will be used to calculate your core-course GPA. Use this list as a guide.

- Initial full-time collegiate enrollment **before** August 1, 2016:
  - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.000) on Sliding Scale A (see Page No. 2).
  - Core-course GPA is calculated using the **best 16 core courses** that meet subject-area requirements.

- Initial full-time collegiate enrollment **on or after** August 1, 2016:
  - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B (see Page No. 2).
  - Core-course GPA is calculated using the **best 16 core courses** that meet both progression (10 before seventh semester; seven in English, math or science; "locked in") and subject-area requirements.

<table>
<thead>
<tr>
<th>DIVISION I</th>
<th>Core-Course Requirement (16)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 years of English</td>
<td></td>
</tr>
<tr>
<td>3 years of math (Algebra I or higher)</td>
<td></td>
</tr>
<tr>
<td>2 years of natural/physical science (1 year of lab if offered)</td>
<td></td>
</tr>
<tr>
<td>1 year of additional English, math or natural/physical science</td>
<td></td>
</tr>
<tr>
<td>2 years of social science</td>
<td></td>
</tr>
<tr>
<td>4 years of additional courses (any area above, foreign language or comparative religion/philosophy)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DIVISION I – 2016 Qualifier Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Athletics aid, practice, and competition</em></td>
</tr>
<tr>
<td>- 16 core courses</td>
</tr>
<tr>
<td>- Ten (10) core courses completed before the start of the seventh semester. Seven (7) of the 10 must be in English, math or natural/physical science.</td>
</tr>
<tr>
<td>- &quot;Locked in&quot; for core-course GPA calculation.</td>
</tr>
<tr>
<td>- Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B (see Page No. 2).</td>
</tr>
<tr>
<td>- Graduate from high school.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DIVISION I – 2016 Academic Redshirt Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Athletics aid and practice (no competition)</em></td>
</tr>
<tr>
<td>- 16 core courses</td>
</tr>
<tr>
<td>- No grades/credits &quot;locked in&quot; (repeated courses after the seventh semester begins may be used for initial eligibility).</td>
</tr>
<tr>
<td>- Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.000) on Sliding Scale B (see Page No. 2).</td>
</tr>
<tr>
<td>- Graduate from high school.</td>
</tr>
</tbody>
</table>
With Oklahoma’s Promise, formerly known as OHLAP (Oklahoma Higher Learning Access Program), students who meet certain criteria can earn free college tuition. While the Promise allows participants to choose which college to attend and where to use their scholarship money, there are certain advantages to using your Oklahoma’s Promise funds at Redlands Community College (RCC).

Recently RCC combined the cost of tuition and fees into one simple figure. This means that when you choose to attend RCC as an OKLAHOMA’S PROMISE student, your total cost, with the exception of certain specialty fees, books, and supplies, is funded.

To enroll in Oklahoma’s Promise, you must:

- be an Oklahoma resident.
- apply during your eighth, ninth, or tenth grade year.
- be the child of parents who earn $50,000 or less per year.

You must enroll in the program during the eighth, ninth, or tenth grade. You start preparing for college early by taking high school courses that will help you succeed, including completing the following requirements.

- graduate from an Oklahoma high school.**
- take the 17 credits of high school courses and achieve at least a 2.5 cumulative grade point average in those courses.
- achieve a cumulative grade point average of at least 2.5 for all courses in grades 9-12.
- attend school regularly.
- do your homework.
- stay away from drugs and alcohol.
- don’t commit criminal or delinquent acts.
- provide information when requested.
- meet with a school official to go over your school work and records on a regular basis.
- apply for other financial aid during your senior year of high school.
- take part in OHLAP activities that will prepare you for college.

** Students graduating from a high school not accredited by the Oklahoma State Board of Education or a recognized accrediting agency also must achieve a composite ACT score of 22 or higher.

Once you’ve completed the program’s requirements, Oklahoma’s Promise will help pay your tuition at an Oklahoma public two-year college or four-year university. It also will cover a portion of tuition at an accredited private college or university or for courses offered at a public technology center that qualifies for credit from a public two-year college. (The scholarship amount does not include items such as other required fees, books, supplies, or room and board.)

Parents must supply proof of income, sign the agreement, and promise to help you successfully reach the goals of the program.

* apply online at www.okpromise.org
* e-mail okpromise@osrhe.edu
* call the Oklahoma State Regents for Higher Education at 800.858.1840 or 405.225.9152.

* ask your school counselor for an application.
* you must meet admission standards for first-time students at the college or university to which you apply.
* you have three years from the time you graduate high school to begin taking college courses.
* you may receive funds for no more than five consecutive years after enrolling in college.
* awards cannot be used for courses taken after you complete your bachelor’s degree.
* you must maintain good grades in college to keep receiving awards.

4 English - (Grammar, Composition, Literature)

3 Lab Science ** - (Biology, Chemistry, Physics, or any lab science certified by the school district; General Science with or without a lab may not be used to meet this requirement.)


3 History and Citizenship Skills - (including 1 unit of American History and 2 additional units from the subjects of History, Economics, Geography, Government, or Non-Western Culture)
**OKLAHOMA’S PROMISE (OHLAP)**

### Required Courses (Cont.)*

- **2 Foreign or Non-English Language** (two years of the same language)

  OR

- **Computer Technology** - (2 credits in programming, hardware, and business computer applications such as word processing, databases, spreadsheets, and graphics will qualify. Keyboarding and typing classes do NOT qualify.)

- **1 Additional Course** **-** (any of the subjects listed above)

- **1 Fine Arts** - (Music, Art, Drama)

  OR

- **1 Speech**

- **17 TOTAL CREDITS**

* Students graduating from a high school not accredited by the Oklahoma State Board of Education or a recognized accrediting agency also must achieve a composite ACT score of 22 or higher.

### Tulsa Achieves Scholarship

As millions of freshmen prepare to begin college all over the country this fall, TCC is readying to educate 1,407 Tulsa Achieves scholars, and that number is still growing as Tulsa Achieves scholars continue to enroll. Sixteen hundred students applied for the full-scholarship program when it was announced in Spring 2007.

Providing students in Tulsa County the opportunity to attend college based on their ability to achieve, not on their ability to pay, is the primary reason for the Tulsa Achieves scholarship. By doing so, TCC will increase the number of Tulsa County residents with higher education degrees; increase the number of skilled professionals available in the Tulsa job market; encourage students to graduate high school; and encourage community involvement through service learning/community service.

The Tulsa Achieves scholarship program will pay up to 100% of tuition and fees for up to 60 college credit hours for students living in Tulsa County and graduating from a public or private high school. Home school graduates who reside in Tulsa County are also eligible for the scholarship.

Tulsa Achieves is a gap-funding scholarship program, meaning that funds will be applied to tuition and fees after all state, federal, and private scholarships and grants are applied. If there is a remaining balance, Tulsa Achieves will pay the rest so there is no cost to the student.

To receive the Tulsa Achieves scholarship, the student must live in Tulsa County and graduate from high school with a 2.0 GPA or better on a 4.0 scale. Home-schooled students living in Tulsa County must provide parent verification.

Students must meet the following criteria to remain a Tulsa Achieves scholar while at TCC:

* maintain good academic standing (2.0 GPA or higher)
* enroll continuously each fall and spring semester (summer optional)
* complete a financial aid application (FAFSA) each year
* provide 40 hours of community service per academic year

The required 40 hours of community service must be performed during the fall and spring semesters in order to remain in good standing. Volunteer hours logged during the summer semester will not be accepted.

Deadline for application for the Tulsa Achieves Scholarship program is April 30 of each year.

Applications for the 2014 Tulsa Achieves class will be accepted beginning February 1, 2014. More information and forms related to Tulsa Achieves are available by accessing the links found at [www.tulsacc.edu](http://www.tulsacc.edu).
*State legislation requires that students earn 3 math credits grades 9-12 for high school graduation.
**Enrollment in these courses is based upon student performance on qualifying material.
College entrance math requirements are Algebra I, Geometry, and Algebra II.
Course offerings and availability is subject to change based upon enrollment and student interest.
* Prerequisites or concurrent enrollment acceptable

4 pt.  Recommended for students earning a C or lower in previous 4 pt. Science course.
5 pt.  Recommended for students earning an A or B in previous 4 pt. Science course, or A, B, or in previous 5 pt. Science course.
6 pt.  Recommended for students with A, B, or C in previous 5 pt. or 6 pt. Science course.

Course Sequencing Recommendations:

Medical Emphasis:
- Pre-AP Biology
- Pre-AP Chemistry
- AP Chemistry and Advanced Physiology
- AP Biology and Pre-AP/AP Physics

Engineering Emphasis:
- Pre-AP Biology
- Pre-AP Chemistry
- AP Chemistry
- Pre-AP/AP Physics
Union Business Course Progression Flowchart
Grades 8-12

**Computer Courses**
*Oklahoma Promise Approved*

- **Fundamentals of Technology**
  - 8-12
  - *Microsoft Office*

- **Multimedia and Image Management**
  - 9-12
  - *Adobe Illustrator*

- **(AP Computer Science)**
  - 11-12
  - *Java*

- **Computer Science Applications***
  - 10-12

- **Fundamentals of Technology**
  - 8-12
  - *Microsoft Office*

- **Computer Coding**
  - 9-12

**Computer Courses**

- **Fundamentals of Technology**
  - 8-12
  - *Microsoft Office*

- **Multimedia and Image Management**
  - 9-12
  - *Adobe Illustrator*

- **AP Computer Science**
  - 11-12
  - *Java*

- **Computer Science Applications**
  - 10-12

**Multimedia and Image Management**

- **Fundamentals of Web Design**
  - 10-12
  - *HTML 5*

- **Graphic Design I**
  - 10-12
  - *Adobe InDesign*

- **Design Tools & Electronic Marketing**
  - 11-12
  - *Adobe Dreamweaver*

- **Digital Editing & Production Photography**
  - 11-12
  - *Adobe Photoshop*

**Elective Business Courses**

- **One Semester Intro to Business**
  - 10-12

- **Accounting I**
  - 11-12

- **Advanced Sports & Entertainment Management**
  - 11-12

- **Promotions and Marketing**
  - 11-12

- **Video Production I**
  - 11-12

- **Broadcast Journalism**
  - 10-12
Union Ninth Grade Center
Curricular Offerings
This course is not a substitute for a required English course. Major emphasis will be on planning, theme development, interviewing, writing features, headlines, photo captions, editing, copy reading, layout, design, and photography. Students will write in journalistic style, using interviews and research to acquire information. Students will be required to spend time before and after school during yearbook sales, deadlines, and as necessary to take photos of assigned events or club meetings.

**Oklahoma History***

*Grade level: 9*  
*Prerequisite: None*  

This is a semester-long course of Oklahoma history from pre-historic times through the present day. The course will cover the required PASS objectives as determined by the state of Oklahoma (http://sde.state.ok.us/Curriculum/PASS/Grade?socstud.pdf) which include basic document analysis skills, geography, research skills, and reading strategies, as well as the history of Oklahoma itself. This class will also emphasize areas of common ground in Oklahoma History and U.S. History in order to support the tested curriculum in 10th grade U.S. History. Students who pass this class will receive the required .5 Oklahoma History credit.

**Pre-AP Oklahoma History***

*Grade level: 9*  
*Prerequisite: None*  

This is a semester-long course of Oklahoma history from pre-historic times through the present day. The course will cover the required PASS objectives as determined by the state of Oklahoma (http://sde.state.ok.us/Curriculum/PASS/Grade?socstud.pdf) which include basic document analysis skills, geography, research skills, and reading strategies, as well as the history of Oklahoma itself. This class will also emphasize areas of common ground in Oklahoma History and U.S. History in order to support the tested curriculum taught in 10th grade U.S. History.

As a pre-AP class, this class will include more extensive primary source analysis, outside reading, basic thesis writing, and teach other pre-AP skills. This class is structured to be accessible to students of all levels, but students must be willing to apply themselves and may devote several hours a week outside of class time to succeed.

Students who pass this class will receive the required .5 Oklahoma History credit.

**U.S. Government***

*Grade level: 9*  
*Prerequisite: None*  

This is a semester-long course of U.S. Government. The course will cover the required PASS Objectives as determined by the state of Oklahoma (http://sde.state.ok.us/Curriculum/PASS/Grade?socstud.pdf) which include basic document analysis skills, charts and graphs, research skills, and reading strategies, as well as both the theories and realities behind the structure of the U.S. Constitution and the various branches of the U.S. Government. This
**SOCIAL STUDIES (Cont.)**

**U.S. Government** (Cont.)

class will also emphasize areas of common ground in U.S. Government and the U.S. History in order to support the tested curriculum taught in 10th grade U.S. History.

Students who pass this class will receive the required .5 U.S. Government credit.

**Pre-AP U.S. Government**

Grade level: 9 5 pt. class  
Prerequisite: None

This is a semester-long course of U.S. Government. The course will cover the required PASS Objectives as determined by the state of Oklahoma [http://sde.state.ok.us/Curriculum/PASS/Grade9socstud.pdf] which include basic document analysis skills, charts and graphs, research skills, and reading strategies, as well as both the theories and realities behind the structure of the U.S. Constitution and the various branches of the U.S. Government. This class will also emphasize areas of common ground in U.S. Government and the U.S. History in order to support the tested curriculum taught in 10th grade U.S. History.

As a pre-AP class, this class will include more extensive primary source analysis, outside reading, basic thesis writing, and teach other pre-AP skills. This class is structured to be accessible to students of all levels, but students must be willing to apply themselves and may devote several hours a week outside of class time to succeed.

Students who pass this class will receive the required .5 U.S. Government credit.

**MATH (Cont.)**

**Geometry**

Grade level: 9 4 pt. class  
Prerequisite: Algebra I credit

This course will give students the opportunity to discover the relationships between geometric figures (primarily with parallel lines, triangles, and circles) and to use their insight in developing formal proofs to show why such relationships exist. There is a development of space perception with regard to points. This course is designed to develop deductive reasoning which is an essential part of critical thinking. To be successful in this class, the student must have good algebra skills. A scientific calculator is required and a TI graphing calculator will be available for use in the classroom.

**Geometry - AP Emphasis**

Grade level: 9 5 pt. class  
Prerequisite: None  
Recommended: Grade of 80% in Algebra I

Pre-AP is a set of content-specific strategies to build rigorous curricula and promote access to Advanced Placement for all students. The courses introduce skills, concepts, and assessment methods to prepare students for success when they take AP and other challenging courses. Pre-AP courses are designed to strengthen curriculum and increase the academic challenge for all students.

Pre-AP Geometry is an enhanced geometry course with more depth, and in line with AP curriculum - rate of change, accumulation problems, and functions will be stressed. With the Advanced Placement ideals in mind, the student will be prepared for Pre-AP Algebra II as a sophomore, Trigonometry/Pre-Calculus as a junior, and AP Calculus/Statistics as a senior. The student must have a desire to commit to this plan of study and rigor. Additional study time outside of class will be necessary. A scientific calculator is required.

**Algebra II**

Grade level: 9 4 pt. class  
Prerequisite: Algebra I and Geometry credit

This course deals with the solutions of first- and second-degree equations. Graphing equations is stressed throughout. Other major topics are conic sections, matrices, and logarithms. The course is intended for students with a math-oriented, college-bound goal and prepares them specifically for college algebra and pre-calculus. It is not intended to be a student's last math course. A scientific calculator is required and a TI graphing calculator is recommended.

**Algebra II - AP Emphasis**

Grade level: 9 5 pt. class  
Prerequisite: None  
Recommended: Grade of 80% in Algebra I and Geometry

Pre-AP is a set of content-specific strategies to build rigorous curricula and promote access to Advanced Placement for all students. The courses introduce skills, concepts,
MATH (Cont.)

Algebra II - AP Emphasis* (Cont.)
and assessment methods to prepare students for success
when they take AP and other challenging courses. Pre-
AP courses are designed to strengthen curriculum and in-
crease the academic challenge for all students.

This course deals with the solutions of first- and second-
degree equation, graphing and understanding, families of
functions, rate of change, and accumulation problems.
Other major topics are conic sections, matrices, and loga-
arithms with an introduction to trigonometry. The course
is designed for the student committed to Pre-Calculus/ Trig as a junior and AP Calculus/Statistics as a senior.
Additional study time outside of class will be necessary. A
scientific calculator is required and a TI graphing calcula-
tor is recommended.

Introduction to Engineering Design (OHLAP)
Grade level: 9
4 pt. class

This course emphasizes the development of a design. Stu-
dents use computer software to produce, analyze, and
evaluate models of project solutions. They study the de-
sign concepts of form and function and then use state-
of-the-art technology to translate conceptual design into
reproducible products.

SCIENCE

Biology*
Grade level: 9
4 pt. class
Prerequisite: None

This general introductory-level biology course offers a
broad survey of basic concepts. Topics touched upon
include cell theory, energy in living systems, cellular re-
production, DNA/RNA/protein synthesis, genetics, evolu-
tion and natural selection, classification/taxonomy, and
ecology/environmental science. The format is lecture with
supporting hands-on activities and laboratory exercises.

Pre-AP Biology*
Grade level: 9
5 pt. class
Prerequisite: None

Foundation concepts in biology are surveyed in a much
more rigorous and abstract manner than in a general
course. Students should expect to spend much more time
daily on homework and self-directed studying of the ma-
terial than they are generally used to investing in a sci-
ence class. The aim of this course is to begin preparing
students to take the AP Biology course offered at Union
High School.

Students enrolled in Pre-AP Biology must be capable of
self-discipline in completing assignments and maintaining
a daily schedule of homework and review of material, of
independent thinking and critical analysis of information,
and of drawing inferences and supporting conclusions.

Specific concepts addressed include:
(1) philosophy of biological science;
(2) cells;
(3) molecular basis of heredity;
(4) biological diversity;
(5) the interdependence of organisms;
(6) matter, energy, and organization in living systems;
and, (7) behavior of organisms.

The format is primarily lecture with supporting activities
and laboratory exercises, but may also involve required
reading, outside reports, and special individual or group
projects.

All Pre-AP Biology students will be required to design,
conduct, and present an individual science fair project.

Introduction to Drawing*
Grade level: 9
4 pt. class
Prerequisite: None
(one-semester course)

This course is a college preparatory studio class prepar-
ing the student for beginning basic fundamentals into the
field of design, fulfilling the required subject matter and
artisan skills needed to advance to upper level visual arts
at the High School. Course study places emphasis on the
elements and principles of design, design terminology, vo-
cabulary, art history, and composition in preparation for
the high school competencies.

Drawing I*
Grade level: 9
4 pt. class
Prerequisite: None
2nd semester students must meet
Drawing I competencies/2nd semester
transfers must have instructor approval

This course is a college preparatory studio class prepar-
ing the student for beginning basic fundamentals into the
field of color theory, fulfilling the required subject matter
and artisan skills needed to advance to upper level visual arts
at the High School. Course study places emphasis on the
elements and principles of design, painting terminology,
vocabulary, art history, and composition in preparation for
the high school competencies.

Painting I*
Grade level: 9
4 pt. class
Prerequisite: None

This course is a college preparatory studio class prepar-
ing the student for beginning basic fundamentals into the
field of ceramics including beginning hand
building, three-dimensional clay work, and firing tech-
niques. Elements and principles of design, three-dimen-
sional terminology, vocabulary, and composition will be
the emphasis of studio work.

Introduction to Ceramics*
Grade level: 9
4 pt. class
Prerequisite: None
(one-semester course)

This course is a studio class covering introduction into
the fundamentals of ceramics including beginning hand
building, three-dimensional clay work, and firing tech-
niques. Elements and principles of design, three-dimen-
sional terminology, vocabulary, and composition will be
the emphasis of studio work.

* Indicates course approved for Oklahoma’s Promise Scholarship.
This course is a college preparatory studio class preparing the student for beginning basic fundamentals into the field of design, fulfilling the required subject matter and artisan skills needed to advance to upper level visual art at the High School. Course study places emphasis on the elements and principles of design, ceramic and sculpture terminology, vocabulary, art history, and composition in preparation for high school competencies.

**Intro to Theatre**
Grade level: 9 4 pt. class
Prerequisite: None One- or two-semester course

This class is an entry-level class designed to stimulate the student's creative abilities. Intro to Theatre focuses on the importance of communication in daily life through the facet of Theatre. Emphasis is placed on the development of professionalism through focus on the following: Speech, Movement, Group Work Dynamics, and the history and structure of Theatre and its influence on daily life. Projects work on will involve and develop concentration, observation, pantomime, improv, and character development. There are no after school rehearsals or requirements.

**Drama II**
Grade level: 9 4 pt. class
Prerequisite: Grade of A or B in Drama I and teacher approval

This course is a continuation of the earlier drama classes. It is a performance-oriented class which focuses on the development of communication skills, specifically as they relate to theater. Emphasis is placed on the development of concentration, observation and character-development skills. Other areas covered in this course are character analysis, monologue auditions, and theater history. This class will produce a fall one-act play or a full-length play and a spring dinner theater show, which will require some after-school participation.

**Theatre Production & Design**
Grade level: 9 4 pt. class

This class (only offered 2nd hour) is designed for students seriously interested in creating and aiding in theatre production and design. Areas covered in this class include lighting design, set design, costume design, makeup and prosthetic design, and aspects of publicity and advertisement. Students will take an active part in the production of up to five shows performed by ninth grade theatre students.

**Theatre of Professionals**
Grade level: 9 4 pt. class
Prerequisite: Formal audition TBA

This course is designed primarily for the serious drama student. This is a rehearsal and production class designed to develop the student’s acting skills. At least two full-length plays will be staged during the year. After-school-hours participation is required on a regular basis. A formal audition is required for acceptance.

**Debate I**
Grade level: 9 4 pt. class

Debate is a skill which has proven to develop many aspects of a student’s life. Most lawyers and politicians have debate experience. First semester will cover basic debate theory, preparation for debates on the national debate resolution, practice debate rounds in class, and competition at speech tournaments. Second semester the students will learn other competitive-speaking skills as well as participating in debate competition. Students are required to participate in a minimum of two tournaments per semester.

**Debate II**
Grade level: 9 4 pt. class
Prerequisite: Teacher approval and 3.0 grade average

Students will have the opportunity to travel regionally for tournaments. Each student evaluates his own goals and abilities periodically throughout the year. Class time is used to help students reach these goals by improving their debate skills. Students are required to participate in a minimum of two tournaments per semester.

**Technical Theater I**
Grade level: 9 4 pt. class
Prerequisite: None

This course is designed to introduce the student to the basic principles of stage scenery, construction, and rigging. The student will be introduced to backstage organization and management, scene design light, sound design, and stage equipment. Emphasis is placed on practical application of skills and creative problem solving. Students will be responsible for the construction of scenery and setting up the stage for all events. A minimum of 50 hours after school will be required for involvement in crewing productions.

**Jazz Ensemble**
Grade level: 9 4 pt. class
Prerequisite: Teacher approval, audition, and concurrent enrollment in band. Concurrent enrollment requirement may be waived for rhythm section players (piano, guitar, bass, drums) on a case-by-case basis.

This course is designed to provide the opportunity for in-depth study in the area of jazz. This will be accomplished through group rehearsals and public performances of jazz music. Through this study students will thoroughly understand the cultural and artistic relevance of particular

* Indicates course approved for Oklahoma’s Promise Scholarship.
Jazz Ensemble*(Cont.)
jazz compositions throughout history, and the role of the jazz musician in American culture.

High School Band*
Grade level: 9 4 pt. class
Prerequisite: Teacher recommendation and audition

This course is designed for fourth-year and above band students. Advanced individual and large ensemble music skills are emphasized. This is a full-year course involving marching and concert band. There is a financial obligation with this course. All band students will be required to participate in all out-of-school performances, as scheduled.

Orchestra*
Grade level: 9 4 pt. class
Prerequisite: Director approval and previous orchestral experience

The members of the orchestra will continue to develop technical and musical skills by way of scales, studies for individual instruments and by performance experiences during the year. The musicians will participate in a variety of performances including a fall all-string concert, holiday concert, orchestra contest in Edmond, a spring concert and an out-of-state contest in the spring. Sophomores will have the opportunity to audition for All-State. Freshmen and sophomores will have the opportunity to try out for the All-District Orchestra and to play at solo/ensemble contests at both the district and state levels.

Women’s Chorus*
Grade level: 9 4 pt. class
Prerequisite: Teacher approval and audition

This course is designed to build upon students’ previously learned vocal skills of breathing, diction, tone, and solfege sight-singing. High school choral literature is introduced at this level. Students will also learn to sing in foreign languages (Italian, German, and/or Latin).

Students will perform at a Fall, Winter, and Spring as well as the annual YouthArts concert and district competitions. Students from this class will have the opportunity to audition for the spring musical. Students may also audition for All-OCDA and All-OMEA honor choir. Smaller select groups may be chosen from this class for additional performances. Uniform purchase is required.

Men’s Concert Chorale*
Grade level: 9 4 pt. class
Prerequisite: Teacher approval and audition

This course is open to ninth grade men only and is designed to build upon students’ previously learned vocal skills of breathing, diction, tone, and solfege sight-singing. High school choral literature is introduced at this level. Students will also learn to sing in foreign languages (Italian, German, and/or Latin).

Students will perform at a Fall, Winter, and Spring Concert as well as the annual YouthArts concert and district competitions. Students from this class will have the opportunity to audition for the spring musical. Students may also audition for All-OCDA and All-OMEA honor choir. Smaller select groups may be chosen from this class for additional performances. Uniform purchase is required.

Family & Consumer Science

Family & Consumer Science I
Grade level: 9 4 pt. class
Prerequisite: None

A two-semester course to prepare the young adult for independent living. This is a general study intended to increase basic knowledge and skills in child development, fashion and wardrobe planning, food and nutrition, interior design, consumer education, career exploration; and participate in a student leadership organization.

Foreign Language

French I* or Spanish I*
Grade level: 9 4 pt. classes
Prerequisite: None

This is the first year of a sequential language program through which students begin to develop proficiency in the language. This is an academic course which requires much studying and homework. The students will be required to memorize extensive vocabulary, learn and apply grammar points, make oral presentations in the language, as well as many other uses of the language studied. The student will also gain knowledge and understanding of the culture of the language studied. Students planning to continue language studies should enroll in Pre-AP Spanish II.

The grade of C or better in on-level English is highly recommended for success in Level One.

French II*, or Spanish II*
Grade level: 9 4 pt. classes
Prerequisite: One year of the language

This course is a continuation of Level I, with an increased emphasis on skill development. New language will integrate with previously learned material, allowing for great proficiency and preparing students for the next level of language.

Business

See Page 12 for the Union Business Curriculum Course Sequence

* Indicates course approved for Oklahoma’s Promise Scholarship.
The purpose of this course is to introduce girls to a curriculum that is enriching and motivating to all students at all fitness levels and abilities.

This course will help students learn to make good lifetime health and fitness choices. The emphasis will be on cooperation, acceptance, and the “joy” of participation rather than on competition. The following units will be covered: fitness and fitness activities, new games, tennis, badminton, volleyball, soccer, basketball, softball, and weightlifting. Introduction and skills of each activity will be taught. Since students’ grades are based on class participation, all students are required to dress each day. Students are required to have a physical education uniform consisting of the following: 1) T-shirt and shorts, 2) socks and non-skid sole athletic shoes, and 3) a combination lock. The T-shirt and shorts must be in a Union color: black, gray/silver, red or white.

**Girls’ Sports and Fitness**
Grade level: 9
Prerequisite: None
4 pt. class

The purpose of this course is to introduce girls to a curriculum that is enriching and motivating to all students at all fitness levels and abilities.

This course will help students learn to make good lifetime health and fitness choices. The emphasis will be on cooperation, acceptance, and the “joy” of participation rather than on competition. The following units will be covered: fitness and fitness activities, new games, tennis, badminton, volleyball, soccer, basketball, softball, and weightlifting. Introduction and skills of each activity will be taught. Since students’ grades are based on class participation, all students are required to dress each day. Students are required to have a physical education uniform consisting of the following: 1) T-shirt and shorts, 2) socks and non-skid sole athletic shoes, and 3) a combination lock. The T-shirt and shorts must be in a Union color: black, gray/silver, red or white.

**Multimedia & Image Management Techniques**
Grade level: 9
Prerequisite: Completion of / or concurrent enrollment in TechConnect (Fundamentals of Technology)
4 pt. class

Learn to create images—being an artist is not required. If you can connect the dots you can have fun creating images! Students will acquire fundamental skills in image creation as they create, revise, optimize, and export graphics for video, print, and web publishing. Explore the cutting edge digital world of graphics in this exciting computer-based course using Adobe Creative Suite software. During this project based, hands-on course, further investigation into the digital design and advertising world will include the introduction to animation design concepts. Emphasizing real-world print and digital media techniques, students will have the opportunity to design advertisements for local community and school projects, compete in design contests while upgrading their technology skills. Students will be prepared for industry certification testing in Adobe Illustrator.

**Fundamentals of Technology**
Grade level: 9
Prerequisite: None
4 pt. class

In this exciting course students will enjoy hands-on experience with a variety of computer software. This interesting project-based class will explore activities in modern technology including multimedia presentations, graphic design, digital photo editing, movie making, web site creation, podcasting, and much more! Working individually and collaboratively students will develop a digital foundation for future computer courses while learning the dynamics of life in our current technology age.

**Boys’ Sports and Weightlifting**
Grade level: 9
Prerequisite: None
4 pt. class

The following units will be covered: flag football, soccer, basketball, volleyball, badminton, weightlifting, softball, and new games. Introduction and skills of each activity will be taught. Since students’ grades are based on class participation, all students are required to dress each day. Students are required to have a physical education uniform consisting of the following: 1) T-shirt and shorts, 2) socks and non-skid sole athletic shoes, and 3) a combination lock. The T-shirt and shorts must be in a Union color: black, gray/silver, red or white.

**Health**
Grade level: 9
Prerequisite: None
4 pt. class

The goal of the ninth grade health course is to empower students to develop useful knowledge, skills and attitude so that they may develop and maintain lifelong health and wellness. The course includes discussion of various topics that affect a person’s physical and mental fitness during his/her lifetime. Topics included in this class will be: violence and mental wellness, personal safety, nutrition and personal health, nutrition, exercise physiology, safe and healthy relationships, and the systems of the human body.

**Special Education**
Grade level: 9
Prerequisite: Testing, evaluation, and teacher approval
2-semester course

The purpose of the Special Education program in Union secondary schools is to provide an environment where students can work to their optimal ability level through individualized instruction and curriculum. It is our goal to return as many students as possible to the regular classroom depending on their success and academic achievements in each particular subject area.

The basic subjects offered in special education may be math, English, social studies, science, study skills, and work skills.

**Leadership**
Grade level: 9
Prerequisite: Class officers and Student Council officers only
4 pt. class

The purpose of this class is to train student leaders in the various aspects of student leadership and to provide regular class time for performance of tasks associated with the office to which each has been elected. Experiences will include representative student government and human relations with peer groups, faculty, and administration. Course contents will include basic techniques of leadership, goal setting, organizational skills, meetings, group effectiveness, communication, motivation, problem solving, public speaking, and team building workshops.

* Indicates course approved for Oklahoma’s Promise Scholarship.
Leadership Class (Cont.)

solving, decision making, public relations, and evaluation. Students must follow all school and teacher requirements in order to maintain enrollment in the class.

AFJROTC I

Grade level: 9 4 pt. class

The Air Force Junior Reserve Officer Training Corps Program is for students in grades 9-12. The curriculum covers Aerospace History, Science, Space and Options, and the Honors Ground School Program. Career-minded students will learn about jobs in the Air Force that will provide important opportunities for the future. High school students who complete the Aerospace Science Program I in AFJROTC may be able to enter the military at pay grades higher than most enlistees.

It is mandatory all AFJROTC I cadets successfully complete the first-year orientation course, which will be held one week before school starts, in order to start in the AFJROTC Program. This free introductory course allows potential cadets to gain a better understanding of the unique course content and structure as well as the strict behavioral standards required of all JROTC cadets. Upon successful completion of the orientation course and instructor approval, cadets will be issued a complete Air Force JROTC blue dress uniform, JROTC identification card, and day planner with the Air Force logo. All cadets are required to wear the uniform and participate in military drill and ceremonies. There is a $10.00 activity fee to cover the cost of the Air Force name tag, ID card, and day planner with AF logo. All other materials for the course, such as complete blue service dress uniform, rank, and AFJROTC insignia valued at nearly $500 and JROTC textbooks are provided free of charge.

Office Procedures

Grade level: 9 4 pt. class

One- or two-semester course

Prerequisite: 2.5 or above cumulative grade average and principal, counselor, or English teacher recommendation.

Students in this class will be assigned to one of the offices: the nurse, media center, or student assistance office. This course can only be taken one time for credit. Student initiative, organization, and good alphabetizing skills are required. Participants should exhibit good self-discipline. They will learn and practice telephone etiquette, reception skills, and filing skills. Students will be required to learn the locations of rooms and departments, and assist in mass mailings and other tasks as required.
Union High School
Curricular Offerings
ENGLISH

**English 10 Composition & World Literature***
Grade Level: 10 4 pt. class

This course includes expository essays and four documented synthesis essays. Vocabulary, spelling, and grammar review studies will be incorporated with composition. Students will study World Literature and authors reading at least two World Literature classics, a play, and segments of the course anthology.

Throughout the year this course will focus on integration of writing with literature. The main focus of this writing will include writing development, research skills, grammar, sentence fluency, diction and cohesion through a series of literature based writing prompts.

**Pre-AP English 10 Composition & World Literature***
Grade Level: 10 5 pt. class

This advanced course focuses on writing, with most essays being literature based. Students will develop original ideas and opinions in response to numerous works by authors from around the world which provide the core reading material for the course. Well-developed paragraphs and essays with correct grammar and mechanics, coherence, unity, and advanced diction are required. The research paper is presented, developed, and written this year. Students are encouraged to extend their vocabulary choices with SAT/AP material. The in-depth study emphasized is literary analysis of poetry, short stories, essays, dramas, and novels. In addition to extensive novel study in class, outside reading projects are assigned each semester.

Because this is a Pre-Advanced Placement course, projects completed outside of class will have deadlines; completed work is accepted anytime up to the deadline but not after the deadline; work should be turned in ahead of time to avoid losing credit in the event of an unforeseen occurrence the day of the project’s deadline. Parent agreement required.

**English 11 - Composition and American Literature***
Grade level: 11 4 pt. class

English 11 emphasizes both the writing process and the study of American Literature, particularly the author’s intended purpose and audience and the effects of allusion, tone and irony. Students will read and write essays written in various modes. Students will study vocabulary, grammar usage, and mechanics. Students will construct four documented synthesis essays.

Throughout the year this course will focus on integration of writing with literature. The main focus of this writing will include writing development, research skills, grammar, sentence fluency, diction and cohesion through a series of literature based writing prompts.

**AP Language and Composition***
Grade level: 11 6 pt. class

This course prepares the student to take the AP English Language and Composition exam as well as AP English 12. This college-level course requires students to possess competency in Standard English grammar, writing skills, reading skills, and critical-thinking skills. Writing frequently and concentrating on the essay forms, students will read entire works from American literature as well as do literary research with correct documentation. Paperbacks may be required at the student’s expense, and there is a fee for the AP exam in May. Students passing the AP exam with a 3, 4, or 5 may earn college credit as determined by the receiving university. Passing the AP exam will not result in earning credits for high school senior English classes. This class deals with college-level reading material and subject matter.

**English 12 Composition and English Literature***
Grade level: 12 4 pt. class

English 12 emphasizes both the writing process and the study of British Literature, particularly word choice, tone, and the author’s style. Students will read and write essays written in various modes. Students will study vocabulary, grammar, usage and mechanics. Students will construct four documented synthesis essays.

Throughout the year this course will focus on integration of writing with literature. The main focus of this writing will include writing development, research skills, grammar, sentence fluency, diction and cohesion through a series of literature based writing prompts.

**AP English Literature and Composition***
Grade level: 12 6 pt. class

This course prepares the student to take the AP Literature and Composition exam. This is an intensive, college-level course which demands high levels of motivation and self-discipline from the student. Course content includes reading and analyzing distinguished British literature in the genres of poetry, drama, essay, and the novel. Students who take this course are expected to have mastered standard English syntax, usage, punctuation, and spelling.

During the course, students will polish and further develop their essay and research skills. Students are expected to read at a college sophomore-junior level. A fee is charged for the exam which is given in May. Students passing the AP Literature and Composition exam with a 3, 4, or 5 may earn college credit as determined by the receiving university. Students passing the AP Literature test with a 3, 4, or 5 may earn college credit as determined by the receiving university. Students may be asked to provide some of their own books for this course. This class deals with college-level reading material and subject matter.

* Indicates course approved for Oklahoma’s Promise Scholarship.
**Academic Language Acquisition for English Language Learners**

Grade Level: 10, 11, & 12  
Prerequisite: None  
Recommendation: Non-native students who need improvement in speaking and writing English in order to be competent in regular classroom work in the core curriculum. This course is not a substitute for a required English course.

This course helps the foreign student to develop mastery of the English language. Skill expectation varies depending on the functional level of each student. Primary objectives include vocabulary and pronunciation of the English language, reading skills, listening, comprehension, and grammar. Specific expectations include building a working vocabulary, improving both comprehension and grammar usage, listening for meaning, and correct pronunciation of words. In addition, students will learn the irregularities of English such as idioms, proverbs, and slang. The course also provides an opportunity for socialization and sharing of cultural backgrounds.

**Speech Communication Skills**

Grade level: 12  
Prerequisite: None

This course is not a substitute for a required English course. As an introduction to oral communication, this course emphasizes improving communication skills. Studies will include the structure of successful speeches, effective delivery skills, and overcoming the discomfort of speaking in public. Additional curriculum will include panel and small group discussion in conjunction with the study of group dynamics. Also incorporated will be oral interpretation, résumés, and job and college interview techniques. A special project which displays skills learned will be required in the second semester. Throughout the semester, students will practice listening skills and interpersonal communication skills.

**Journalism (Yearbook)**

Grade level: 10, 11, & 12  
Prerequisite: Journalism I or English teacher recommendation  

This course is not a substitute for a required English course. Major emphasis will be on planning, theme development, interviewing, writing features, headlines, photo captions, editing, copy reading, layout, design, and photography. Students will write in journalistic style, using interviews and research to acquire information. Students will be required to spend time before and after school during yearbook sales, deadlines, and as necessary to take photos of assigned events or club meetings.

**Creative Writing**

Grade level: 10, 11, & 12  
Recommendation: English teacher recommendation, A or B in English the previous two semesters or Creative Writing teacher’s recommendation.

Creative Writing is an elective course; not a substitute for a required English course. This class is for students who are passionate about writing and plan to write in future for profit or pleasure. Students will explore a variety of writing modes and situations and identify their personal writing likes as well as strengths. Units of study will include poetry, children’s literature, newspapers, short stories, novels, as well as writing one-act plays. Students will be given grounding in the structure and techniques of writing so that their creative efforts are credible.

**Reading for Pleasure**

Grade level: 10, 11, & 12  
Prerequisite: None

Reading for Pleasure is designed to foster a love for reading and literature. At the same time, students will gain many academic benefits: higher ACT scores, better grades in English classes, more time to prepare for English AP exams, deeper comprehension and faster reading rates. Reading and responding are the focus, as students are free to survey a number of literary genres, including poetry, nonfiction, short stories, young adult literature, and fiction and classic literature. Students will also have the opportunity to be part of a community of readers by sharing their thoughts and opinions on various types of literature.

**Social Studies**

**United States History**

Grade level: 10, 11, & 12  
Prerequisite: None

This is a year-long chronological course of United States history from 1850 to present day. This class is intended to meet the requirement of Oklahoma PASS for high school U.S. History. Students who complete this course successfully will receive 1 U.S. History credit.

**ELL United States History**

Grade level: 10, 11, & 12  
Prerequisite: None

This is a year-long chronological course of United States history from 1850 to present day. This class is intended to meet the requirement of Oklahoma PASS for high school U.S. History. Students who complete this course successfully will receive 1 U.S. History credit. The curriculum in this class is tailored to help ELL students practice and improve their English speaking, reading, and writing skills while learning U.S. History.

**Pre-AP United States History**

Grade level: 10  
Prerequisite: None

This is a year-long chronological course of United States history from 1850 to present day. This class is intended to meet the requirement of Oklahoma PASS for high school U.S. History. Students who complete this course successfully will receive 1 U.S. History credit. Pre-AP students will focus on developing skills for success which

* Indicates course approved for Oklahoma’s Promise Scholarship.
Pre-AP United States History*(Cont.)
include work with a dialectical notebook, document analysis, problem solving, historical research, and learning to write the document-based essay as a preparatory skill for other AP classes in high school. Students will be expected to use the Internet for historical research, assignments, and other projects. In addition, these students will be required to read additional historical fiction novels.

AP United States History*
Grade level: 10
6 pt. class
Prerequisite: None

This chronological course of U.S. History, Discovery to the present, is taught at the college level. It is designed to provide students with the analytical skills and factual knowledge necessary to critically evaluate the problems and documents of U.S. history and to successfully write analytically to document-based essays in preparation for the AP test. This program prepares students for intermediate and advanced college courses by making demands on them equivalent to those of a full-year introductory college course. Students will be expected to use the Internet for historical research, assignments, and projects.

There is a charge to take the AP test given in May at the High School; scholarships are available to students who qualify. College credit is possible for students successfully completing the AP test. Students will receive 1 United States History credit for successful completion of this class.

Oklahoma History*
Grade level: 10, 11, & 12
4 pt. class
Prerequisite: None
One-semester class

This is a semester-long course of Oklahoma history from prehistoric times through the present day. The course will cover the required PASS objectives as determined by the State of Oklahoma which include basic document analysis skills, geography, research skills, and reading strategies, as well as the history of Oklahoma itself. This class will also emphasize areas of common ground in Oklahoma History and U.S. History in order to support the test curriculum in 10th grade U.S. History. Students who pass this class will receive the required .5 Oklahoma History credit.

World History*
Grade level: 11 & 12
4 pt. class
Prerequisite: None

World History is a survey course of major civilizations from the early river valley civilizations through the 20th Century. Civilizations in Europe, Asia, and Africa will be covered in this course.

Pre-AP World History*
Grade level: 11 & 12
5 pt. class
Prerequisite: None

This is a survey course that begins in pre-history and ends in the present. All major civilizations around the world will be studied.

An emphasis on skills and themes in world history are also a part of the course.

AP World History*
Grade level: 11 & 12
6 pt. class
Prerequisite: None

The purpose of the course is to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies and the course is 70% non-European history. Focused primarily on the past thousand years of the global experience, the course builds on an understanding of cultural, institutional and technological precedents that, along with geography, set the human stage prior to 1000 C.E. Periodization, explicitly discussed, forms the organizing principle for dealing with change and continuity from that point to the present. A fee is charged to take the AP exam given in May.

AP American Comparative Government*
Grade level: 11 & 12
6 pt. class
Prerequisite: None

This course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and the materials in American government. This program prepares students for intermediate and advanced college courses by making demands on them equivalent to those of a full-year introductory college course. The course will cover all branches of government and other political systems through intensive comparison to the national government of several other nations. A fee is charged to take the AP exam given in May.

AP European History*
Grade level: 11 & 12
6 pt. class
Prerequisite: None

This course will focus on the basic chronology and major events and trends in Europe from approximately 1450-1970, from the High Renaissance to the recent past. It will cover areas of (1) intellectual-cultural, (2) political-diplomatic, and (3) social-economic history. A fee is charged to take the AP exam in May.

U.S. Government*
Grade level: 10, 11, & 12
4 pt. class
Prerequisite: None
One-semester class

This is a semester-long course of U.S. Government. The course will cover the required PASS Objectives as determined by the state of Oklahoma, which include basic document analysis skills, charts and graphs, research skills, and reading strategies, as well as both the theories and realities behind the structure of the U.S. Constitution.

* Indicates course approved for Oklahoma’s Promise Scholarship.
Criminology
Grade level: 12 4 pt. class
Prerequisite: None

Criminology is the study of the psychology and sociology of crime. The course includes the history of laws surrounding crime, classification of crimes, famous crimes and criminals, and an in-depth look at the law enforcement profession. In addition, students will learn the process of criminal conviction from arrest to sentencing.

Algebra I*
Grade level: 10 4 pt. class
Prerequisite: None

For students earning Algebra as first time credit only.

The main concepts that students will learn are solutions of equations and inequalities, polynomial operation, graphing, irrational and rational numbers, number theory, and quadratic equations. Problem solving and critical-thinking skills will be studied continuously. Algebra I provides the basic foundation needed for Geometry, Algebra II, and other higher level math courses. A scientific calculator is recommended.

Geometry*
Grade level: 10, 11, & 12 4 pt. class
Prerequisite: Algebra I credit

This course will give students the opportunity to discover the relationships between geometric figures (primarily with parallel lines, triangles and circles) and to use their insight in developing formal proofs to show why such relationships exist. This course is designed to develop deductive reasoning which is an essential part of critical thinking. To be successful in this class, the student must have good algebra skills. A scientific calculator is required. This course emphasizes the knowledge and use of geometric vocabulary.

Multicultural History*
Grade level: 10, 11, & 12 4 pt. class
Prerequisite: None

Cultural pluralism is an important dimension of American democratic society. It acts as a major strength, as well as a source of conflict in schools, communities, and in society at large. In this course, students will explore major ethnic groups that make up American society, including, but not restricted to, Native Americans, African American, European Americans, Hispanic Americans, and Asian Americans. Study will center around American diversity in culture, religion, race, social class, ethnicity, gender, age, and ability (physical and mental). Historical as well as current events will be studied to show how groups come together, interact, and influence change in others.

* Indicates course approved for Oklahoma’s Promise Scholarship.
of the objectives in a traditional geometry class, with a hands-on lab approach. To be successful in this class, the student must have good algebra skills. A scientific calculator is required and a TI graphing calculator will be available for use in the classroom.

**Geometry Pre-AP**

Grade level: 10  
Prerequisite: Algebra I credit  
Recommendation: Grade of 80% in Algebra I.

Pre-AP Geometry is an enhanced geometry course with more depth, and in line with AP curriculum - rate of change, accumulation problems, and functions will be stressed. With the Advanced Placement ideals in mind, the student will be prepared for Pre-AP Algebra II as a junior and Trigonometry/Pre-Calculus as a senior. The student must have a desire to commit to this plan of study and rigor. Additional study time outside of class will be necessary. A scientific calculator is required.

Pre-AP is a set of content-specific strategies to build rigorous curricula and promote access to Advanced Placement for all students. The course introduces skills, concepts, and assessment methods to prepare students for success when they take AP and other challenging courses. Pre-AP courses are designed to strengthen curriculum and increase the academic challenge for all students.

**Intermediate Algebra**

Grade level: 11 & 12  
Prerequisite: To be determined by counselor/administrator/math teacher. Algebra I and Geometry credit.

This is a course which builds geometry and algebra skills to solve practical mathematical problems. This course satisfies the high school graduation requirement for a third math credit but does not satisfy college entrance requirements. Students who struggled in Algebra I will strengthen their algebra skills as they bridge from Geometry to Algebra II.

**Algebra II**

Grade level: 10, 11, & 12  
Prerequisite: Algebra I and Geometry credit

Algebra II is a course that extends the content of Algebra I and Geometry focusing on providing further development of the concept of a function and analysis of function characteristics.

The major topics in Algebra II include: (1) relations, functions, equations and inequalities; (2) quadratics, including conic sections; (3) polynomials; (4) rational functions; (5) radical functions; (6) logarithmic and exponential functions; (7) sequences and series; and (8) counting principles and probability. Graphing calculator skills will be taught and used extensively in this course to analyze the graphs of the various functions studied. Throughout this course, students will develop learning strategies, critical-thinking skills, and problem-solving techniques to prepare for future math courses and college entrance exams.

**Zero Hour Algebra II**

Grade level: 11, & 12  
Prerequisite: Algebra I, Geometry and Algebra II credit

This course includes all topics as described in Algebra II with each topic covered more in-depth. The course is designed for students committed to taking Pre-Calculus, AP Calculus and/or AP Statistics. A TI graphing calculator is recommended.

Pre-AP is a set of rigorous, content-specific strategies to promote access to Advanced Placement for all students. The course introduces skills, concepts, and assessment methods to prepare students for success when they take AP and other challenging courses. Pre-AP courses are designed to strengthen knowledge of curriculum and increase the academic challenge for students.

**Pre-Calculus with Trigonometry**

Grade level: 10, 11, & 12  
Prerequisite: Algebra II AP Emphasis (recommended 75%+) Algebra II credit (recommended 90%+)

This course is designed to prepare the student for the rigorous study of AP Calculus. Pre-Calculus/Trigonometry includes the study of unit circle trigonometry, analytic trigonometry, limits, derivatives, sequences, and series. Other topics include the study of a variety of functions and their graphs: linear, absolute value, square root, greatest integer, polynomial, rational, exponential, logarithmic, and trigonometric. A graphing calculator will be used extensively in this course.

**Trigonometry/Algebra III**

Grade level: 11 & 12  
Prerequisite: Algebra I, Geometry and Algebra II credit (recommended 70%+)

The first semester of this course focuses on trigonometric concepts. Trigonometry topics include the six basic trigonometric relationships, circular functions, solving trigonometric equations, angular and linear velocity, solving oblique triangles using the Laws of Sines and Cosines, graphing trigonometric functions, and verifying fundamental trigonometric identities.

* Indicates course approved for Oklahoma’s Promise Scholarship.
The second semester students will focus on differential equation of first order and higher order with constant coefficients, systems of linear differential equations, inverse differential operators, Laplace transformation, power series solutions, and Fourier series solutions.

Calculus III/Differential Equations*
Grade level: 12
Prerequisite: Completion of Calculus BC and recommendation of current math teacher.

First semester of this course will be dedicated to the study of Calculus III concepts including topics of polar coordinates, analytic geometry in 3-D space, parametric equations, vectors in 2-D space and 3-D space, surfaces, gradient and directional derivatives, and multi-variant differential and integral calculus. The second semester students will focus on differential equation of first order and higher order with constant coefficients, systems of linear differential equations, inverse differential operators, Laplace transformation, power series solutions, and Fourier series solutions.

AP Calculus (AB version)*
Grade level: 11 & 12
Prerequisite: Algebra I, Geometry, Algebra II, and Pre-Calculus credit.
Recommendation: Recommendation of Pre-Calculus teacher.

This course is designed to cover limits of functions, differentiation of algebraic and transcendental functions, curvature and roots, integration of functions, volumes generated when curves are rotated about the axes, and many applications. The course is designed to prepare students for the Advanced Placement Test of the College Entrance Examination Board. Students who score a 3 or better on the AP Exam receive one semester of college credit at most universities.

Calculus II/Differential Equations*
Grade level: 12
Prerequisite: Completion of Calculus AB and recommendation of current math teacher.

First semester of this course will be dedicated to the study of Calculus II concepts including advanced integration techniques, improper integrals, infinite series, Taylor polynomials, conics, parametrics of calculus, and topics of polar coordinates.

AP Statistics*
Grade level: 11 & 12
Prerequisite: Algebra I, Geometry, Algebra II, with B or better each semester. Math and English teacher recommendation. Class preparation and homework are daily expectations.

This course will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, probability and statistical inference. At most universities, students passing AP exams receive at least one semester of college credit. Writing is a predominant feature of this class.

Biology*
Grade level: 10, 11, & 12
Prerequisite: None
FOR FIRST TIME CREDIT ONLY

This general introductory-level biology course offers a broad survey of basic concepts. Topics touched upon include cell theory, energy in living systems, cellular reproduction, DNA/RNA/protein synthesis, genetics, evolution and natural selection, classification/taxonomy, and ecology/environmental science. The format is lecture with supporting hands-on activities and laboratory exercises. This course prepares the student for the Biology End-of-Instruction exam required by the State of Oklahoma.
SCIENCE (Cont.)

**Physical Science***
Grade level: 10  
Prerequisite: None

This course is a broad survey of concepts in physics and chemistry. The first semester of this course will cover physics with the fundamental laws governing the following processes: measurements, graphs, laws of motion, acceleration, electricity and magnetism, forms of energy, sound, light, and the electromagnetic spectrum. The second semester of this course will cover chemistry with the studies of: states and classification of mater, thermal energy, atomic structure, Periodic table, chemical bonds and reactions. The format of class is lecture with supporting laboratory exercises and activities such as building hover crafts.

**Chemistry***
Grade level: 10, 11, & 12  
Required: Current Math Teacher’s Signature

This is a study of atomic structure, periodic table, and chemical bonding. The theoretical and descriptive material of this course is based on the relationship between the structure of the materials and their reactive properties. Sophomores taking this course should have a strong math background and may choose to take this course their junior year after completing Geometry.

**Pre-AP Chemistry***
Grade level: 10, 11, & 12  
Required: Current Math Teacher’s Signature  
Concurrent Enrollment: Algebra II

This course is an advanced study of atomic structure, the periodic table of elements, chemical bonding, and molarity. Pre-AP Chemistry will require extensive outside reading and self-disciplined study, as well as special projects and reports intended to broaden the understanding of chemistry. Students will need to have mastered advanced science and math skills. The format is lecture with extensive work in problem-solving, hands-on activities and laboratory exercises.

**Environmental Science***
Grade level: 11 & 12  

All living organisms interact with and change the environment around them. Environmental science is the study of how humans interact with the environment. This course will include descriptions of how human actions impact the environment, and what can be done to help solve environmental problems. This course will also cover the many ways in which other organisms interact with their environment, including a look at biomes, ecosystems, population dynamics, marine life, geology, ecology, and animal behavior.

**Biotechnology***
Grade level: 11 & 12  
Recommendation: Chemistry

* Indicates course approved for Oklahoma’s Promise Scholarship.

This class is an introductory course in biotechnology. Biotechnology is the application of biology and chemistry to manipulate organisms, their tissues, cells, or parts to produce products to improve medicine, food, fuel, and the environment. This course will build basic bench-top skills used in biotech, medical, and research labs. Students will explore career opportunities as well as study and research current products in biotechnology. Students must participate in research and projects throughout the year, including student outreach. In this course students will learn techniques in DNA extraction, DNA fingerprinting, protein profiling, ELISA and other assays.

**Human Body Systems**
Grade level: 10, 11, & 12  
Note: This class is an elective and not considered a lab science.

Students will examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Manikin®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real world medical cases.

**Principals of Biomedical Science**
Grade level: 10 & 11  
Note: This class is an elective and not considered a lab science.

*An application to Tulsa Tech is required.
SCIENCE (Cont.)

**Principals of Biomedical Science (Cont.)**
In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person’s life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

**Pre-AP Physics**
Grade level: 10, 11, & 12
Required: Current Science Teacher’s Signature, Concurrent Enrollment in Pre-AP Chemistry
Concurrent Enrollment: Algebra II

**Pre-AP Physics** *(Cont.)*
This course is an advanced study of matter and energy and the fundamental laws governing the following physical processes: measurements, laws of motion, vectors, work and machines, forms of energy, sound, light, electricity, and nuclear physics. Pre-AP Physics will require extensive outside reading and self-disciplined study, as well as special projects and reports intended to broaden the understanding of physics. Students will need to have mastered advanced science and math skills.

**Senior Independent Research Project**
Grade level: 12
Required: Current AP Teacher’s Signature

Working under the guidance of a teacher, a senior will identify a real world problem or research question that he/she chooses to investigate. The instructor will facilitate and guide the student through the project giving the student feedback throughout the school year. The student will formally propose the research question prior to September 1 of the school year. In addition, the student will lay out his/her research plan and the manner in which he/she will present his/her findings. Each student will be required to submit a formal, written lab report and scientific research paper. Students should expect to revise his/her work more than once. Students can expect to compete at least once.

**UBotics**
Grade level: 11 & 12
Required: UBotics Sponsor’s Signature

Students will investigate, collaborate, cooperate and innovate using First Robotics technology. Students with programming backgrounds are strongly encouraged to participate in this class. Students will build more than one robot and compete in at least two competitions throughout the school year. There is a great deal of out-of-class work required for this class. Student will be encouraged to collaborate and cooperate to problem solve on a daily basis.

**Science Olympiad**
Grade level: 11 & 12
Required: Science Olympiad Sponsor’s Signature

Students will explore STEM-related investigations in this class and experiment with the scientific process through hands-on problem solving. The class will be project based, and many activities will require a time commitment after school. Students can expect to compete at least once.

**Advanced Marine Biology**
Grade level: 11 & 12
Recommendation: Chemistry/Pre-AP Chemistry
Required: Current Science Teacher’s Signature

Ecology and the Ecosystems found in the oceans. This class will explore the classifications of Marine Organisms and their relationships within the Intertidal communities, Estuaries, Subtidal regions, Coral reefs, Pelagic and Abyssal zones. Advanced Marine Biology students will work with local aquarists as needed as well as participate in independent and group research projects to develop an understanding of Marine Organisms - especially to ensure quality care for the in-class organisms. Students will be responsible for the Marine Lab including the set-up of aquariums, selection of organisms, maintenance, feeding and water chemistry of the aquariums.

**Advanced Physiology**
Grade level: 11 & 12
Recommendation: Chemistry/Pre-Chemistry
Required: Current Science Teacher’s Signature

Advanced Physiology is the in-depth study of the structures and function of the human body. The first semester is devoted to studying the major systems of the body with a focus on their functional aspects. The second semester requires students to work in pairs while dissecting, isolating, and identifying structures on their cat to make their cat testable over the major systems of the cat’s body.

**Advanced Zoology**
Grade level: 11 & 12
Required: Current Science Teacher’s Signature
Recommendation: Biology, Chemistry/Pre-AP Chemistry

Advanced Zoology is an intense study into the life history, behavior and adaptations of animals. Students will be required to dissect animals to study anatomical
Advanced Zoology* (Cont.)
structures, organ systems and their function in the organism. Students will also be working with live animals. It is highly recommended that students have a strong understanding of Biology in order to be successful in Zoology. It is a college prep class because for most students who major in science, it will be the first science class they take in college.

Advanced Genetics with Applied Biotechnology*
Grade level: 11 & 12 5 pt. class
Required: Current Science Teacher’s Signature
Recommendation: Chemistry/Pre-AP Chemistry

Advanced Genetics is an intense study of the principles of heredity, including Mendelian and non-Mendelian genetics, mapping, molecular genetics, genetic engineering, population genetics, biotechnology and current advances applicable to humans, animals and plants with their impact on life sciences and society. Biotechnology is the application of biology and chemistry to manipulate organisms, their tissues, cells, or parts to produce products to improve medicine, food, fuel, and the environment. This course will build basic bench-top skills used in biotech, medical, and research labs. Biotech labs include techniques in DNA extraction, DNA fingerprinting, protein profiling, column chromatography, antibody specificity, polymerase chain reaction, ELISA and other assays.

AP Environmental Science*
Grade level: 11 & 12 6 pt. class
Recommendation: Chemistry/Pre-AP Chemistry
Required: Current Science Teacher’s Signature

This class is an advanced study of Environmental Science, designed to prepare students for the AP Environmental Science test given in May. It includes both natural and social sciences to include: chemistry, biology, demographics, ecology, geology, geography, politics, and physics. The basis of the class is to show how humans interact with the environment, the results of that interaction and things that can be done to solve problems that arise from this interaction. Main topics will include: alternative energies, fossil fuels, sustainability, land use, biomes, air pollution, water pollution, biodiversity, human demography, and ecology.

AP Chemistry*
Grade level: 11 & 12 6 pt. class
Required: Current Science Teacher’s Signature
Recommendation: Biology, Chemistry/Pre-AP Chemistry

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. The course contributes to the development of students’ abilities to think clearly and express their ideas, orally and in writing, with clarity and logic. AP Chemistry incorporates a strong laboratory component. Students will attain a deep understanding of fundamentals and a reasonable competence in dealing with chemical problems in areas such as atomic theory and structure, chemical bonding, states of matter, solutions, reactions and stoichiometry, kinetics, equilibrium, electrochemistry, and thermodynamics. Students have the opportunity at the end of the year (for a fee) to take the AP Chemistry exam for college credit.

AP Physics 1 & 2*
Grade level: 11 & 12 6 pt. class
Required: Current Science Teacher’s Signature
Recommendation: Chemistry/Pre-AP Chemistry, Trigonometry (or concurrent enrollment)

AP Physics is a laboratory-based physics. It is referred to as “b” level physics, which means it is trigonometry based physics. AP Physics is a rigorous course involving mechanics, laws of motion, work, energy, power, thermal physics, waves and optics, electricity and magnetism, and nuclear physics. This course is designed to prepare students for the Advanced Placement Tests of the College Entrance Examination Board. A fee is charged for the AP test which is given in the late spring. “B” level AP Physics will not substitute for engineering majors. “C” level physics (calculus based) is required for engineering majors.

AP Biology*
Grade level: 11 & 12 6 pt. class
Recommendation: Chemistry/Pre-AP Chemistry
Required: Current Science Teacher’s Signature

The AP Biology curriculum is equivalent to a two-semester college introductory biology course. Students will develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in multiple areas of Science. Areas stressed are molecules and cells, genetics and evolution, and organisms and populations. The goal is readiness for the study of advanced topics in college courses and the opportunity to earn college credit by taking the AP exam (for a fee) in May.

Science Lab Technician
Grade level: 12 4 pt. class
Required: Science Department Head Signature

Scientific laboratory technicians are involved in a variety of laboratory-based investigations within biological, chemical, physical and life science areas. Technicians provide all the required technical support to enable the Science department to function effectively while adhering to correct procedures and health and safety guidelines.

Principles of Engineering Design*
Grade level: 10, 11, & 12 4 pt. class
An Application is required.

A hands-on course that helps students understand the field of engineering and engineering technology. Utilizing projects, modeling kits, and computers students explore technology systems and engineering processes to find...
Principles of Engineering Design* (Cont.)
out how math, science, and technology help people. This
course satisfies the Oklahoma Promise requirement of
two years of computer classes.

Introduction to Art *
Grade level: 10, 11, & 12                      4 pt. class
Prerequisite: None

This course is designed as an exploratory art class. Students will work with a wide variety of art styles (painting, drawing, and sculpturing) and techniques in both 2D and 3D media. This course is ideal for those who enjoy art but haven’t previously taken an art class.

Advanced Sculpture*
Grade level: 10, 11, & 12                      4 pt. class
Required: Art Teacher’s Signature
Recommendation: Introduction to Art, Drawing I, Painting I, or with a submission of a personal portfolio showing your sculpture projects

This is an advanced course working completely with 3D media. It is designed for those planning to advance to, or who are enrolled in AP 3-D Studio Art. Students will further explore a variety of 3D media to create pieces of work viewed in the round.

Advanced Painting*
Grade level: 10, 11 & 12                      4 pt. class
Required: Art Teacher’s Signature
Recommendation: Introduction to Art, Drawing I, Painting I, or with a submission of a personal portfolio showing your sculpture projects

Students will work with a variety of painting media, focusing on advanced techniques and applications. Students should have a strong grasp of painting materials and color theory, and drawing/ sketching before enrolling in this course.

Advanced Drawing*
Grade level: 10, 11, & 12                      4 pt. class
Required: Art Teacher’s Signature
Recommendation: Introduction to Art, Drawing I, Painting I, or with a submission of a personal portfolio showing your sculpture projects

Students will concentrate on drawing media and techniques, including perspective, pencil drawing, sketching, prismacolor, pastels, charcoal, pen and ink, and scratch-board. Drawing from observation will be emphasized, including still life and figure drawing. A firm grasp of drawing techniques is necessary for this course.

Pre-AP 2D Studio Art*
Grade level: 10, 11 & 12                      5 pt. class
Required: Art Teacher’s Signature
Recommendation: 2 or more Art Classes from the following, or their equivalent;
Introduction to Art, Advanced Painting, Advanced Drawing

This course is specifically designed for those students planning to advance to AP 2D Studio Art or AP Drawing Studio Art. Students will work on refining 2D and Drawing skills with a variety of media in preparation of submitting a college/career portfolio of work.

Pre-AP 3D Studio Art*
Grade level: 10, 11 & 12                      5 pt. class
Prerequisite: Two Sculpture classes from the following, or their equivalent;
Introduction to Art, Advanced Sculpture

This course is specifically designed for those students planning to advance to AP 3D Studio Art. Students will work on refining sculpting skills with a variety of media in preparation of submitting a college/career portfolio of work.

AP Studio Art-Drawing Portfolio*
Grade Level: 11 & 12                      6 pt. class
Prerequisite: Advanced Drawing or written recommendation from art instructor and samples of your work.
Required: Art Teacher’s Signature

AP Studio Drawing is a fast-paced, self-directed college level class designed for the college-bound or career-oriented art student. The class is designed for talented/ skilled art students who wish to pursue a college-level drawing class while still in high school. Emphasis is on advanced drawing skills. Throughout the year, students compile a portfolio of approximately 30 works in a variety of media and techniques that will fulfill College Board Requirements, thereby granting them college credit. The class includes submission of portfolio as the AP Final and a test fee may be required.

AP Studio Art-2D Design Portfolio*
Grade level: 11 & 12                      6 pt. class
Prerequisite: Advanced Drawing, Painting/Printmaking, or written recommendation from art teacher and samples of your work.
Required: Art Teacher’s Signature

AP Studio 2D Design is a self-directed college-level class designed for the college-bound or career-oriented art student. The class is designed for talented/skilled art students who wish to pursue a college-level art class while still in high school. Emphasis is on advanced drawing, painting and printmaking, and graphic design skills. Throughout the year, students compile a portfolio of approximately four works in a variety of media and techniques that will fulfill College Board requirements, thereby granting them college credit. The class includes submission of portfolio as the AP Final and a test fee may be required.

* Indicates course approved for Oklahoma’s Promise Scholarship.
**PERFORMING ARTS**

**AP Studio Art-3D Design Portfolio***
Grade level: 11 & 12 6 pt. class
Prerequisite: Sculpture I and instructor signature
Required: Art Teacher's Signature

AP Studio 3D Design is a self-directed college-level class designed for the college-bound or career-oriented art student. The class is designed for talented/skilled art students who wish to pursue a college-level drawing class while still in high school. Emphasis is on advanced drawing skills. Throughout the year, students compile a portfolio of approximately 30 works in a variety of media and techniques that will fulfill College Board requirements, thereby granting them college credit. The class includes submission of portfolio as the AP Final and a test fee may be required.

**AP Art History***
Grade level: 10, 11, & 12 6 pt. class

Students examine major forms of artistic expression from the past and the present from a variety of cultures. They learn to look at works of art critically, with intelligence and sensitivity, and to analyze what they see.

**Technical Theater***
Grade level: 10, 11, & 12 4 pt. class
Prerequisite: None

This course is designed to introduce the student to the basic principles of stage scenery, construction, and rigging. The student will be introduced to backstage organization and management, scene design light, sound design, and stage equipment. Emphasis is placed on practical application of skills and creative problem solving. Students will be responsible for the construction of scenery and setting up the stage for all events. A minimum of 50 hours after school will be required for involvement in crewing productions.

**Technical Theater II***
Grade level: 10, 11, & 12 4 pt. class
Prerequisite: Teacher approval required.

This course is designed to build and develop the skills and techniques learned in Technical Theater I. In addition to the responsibilities outlined in stagecraft, the student will also be introduced to basic stage lighting, special construction, and rigging problems. A minimum of 50 hours after school will be required for involvement in crewing productions.

**Advanced Theater***
Grade level: 10, 11, & 12 4 pt. class
Prerequisite: Teacher approval required.

This course is a continuation of Beginning Theater. It is a performance-oriented class which focuses on the development of communication skills, specifically as they relate to theater and play production. Emphasis will be placed on the fundamentals of theater: developing basic acting skills, character development, acting theory, movement, script analysis, theater history, and technical theater design. After-school production hours will be required during the school year. Acceptance to the course is limited. There will be a special emphasis placed on Shakespeare and the production of a dinner theater. There is a financial obligation with this course.

**Repertory Theater***
Grade level: 9, 10, 11, & 12 4 pt. class
Prerequisite: Teacher Approval/Audition

This class is the most advanced acting course offered. It is designed for the intensely serious theater student. Acceptance to the class is through audition, and class size is limited. This is a rehearsal and performance class designed to fine-tune and hone the student’s acting skills, including study in classical and contemporary works. At least two full-length productions will be staged during the year. After-school-hours participation is required on a regular basis. There is a financial obligation with this course.

**Repertory Theater Tech***
Grade level: 10, 11, & 12 4 pt. class
Prerequisite: Teacher Approval/Audition

This class is the most advanced technical class offered. It is designed for the intensely serious theatre technicians. For acceptance into the program, students will have to present a résumé of previous work and pass through a Technical Audition. This is a production class that is designed to fine tune and largely increase students’ technical knowledge and ability. At least two full-length productions and an all-school musical will be produced during the year in which these students are required to crew. After-school-hours participation is required on a regular basis. There is also a small financial obligation with this course.

**Competitive Speech***
Grade level: 9, 10, 11, & 12 4 pt. class
Prerequisite: Teacher approval and previous competitive or Drama experience preferred.

Students will learn a variety of speech skills in this class. Dramatic opportunities will range from duet acting to oral interpretation of literature. Public speaking will also be covered starting with current event speech (extemporaneous) and leading to learning to persuade others. Students will be required to travel to speech competition with other schools.

**Band***
Grade level: 9, 10, 11, & 12 4 pt. class
Prerequisite: Teacher recommendation and audition

This course is designed for fourth year and above band students. Advanced individual and large ensemble music skills are emphasized. This is a full-year course involving marching and concert band. There is a financial obligation with this course.

* Indicates course approved for Oklahoma’s Promise Scholarship.
Band*(Cont.)

obligation with this course. All band students will be required to participate in all out-of-school performances, as scheduled.

Jazz Ensemble*

Grade level: 9, 10, 11, & 12  4 pt. class
Prerequisite: Teacher approval, audition and concurrent enrollment in band. Concurrent enrollment in requirement may be waived for rhythm section players (piano, guitar, bass, and drums) on a case-by-case basis.

This course is designed to provide the opportunity for in-depth study in the area of jazz. This will be accomplished through group rehearsals and public performances of jazz music. Through this study students will thoroughly understand the cultural and artistic relevance of particular jazz compositions throughout history, and the role of the jazz musician in American culture.

Orchestra*

Grade level: 10, 11, & 12  4 pt. class
Prerequisite: Director approval

The members of the orchestra will continue to develop technical and musical skills by way of scales studies for individual instruments and by performance experiences during the year. The musicians will participate in a variety of performances including a fall all-string concert, holiday concert, orchestra contest, a spring concert, and an out-of-state contest in the spring. Students will have the opportunity to audition for All-State, All-District Orchestra and All-City Orchestra, and to play at solo/ensemble contests at both the district and state levels.

11th & 12th grade meets 1st hour. 10th grade meets 2nd hour.

Advanced Mixed Chorale*

Grade level: 9, 10, 11, & 12  4 pt. class
Prerequisite: Audition only. Must have teacher approval or previous choir experience.

This chorus studies intermediate and advanced choral concepts using a wide variety of music from different styles, periods, and cultures. Music studied will include pieces from classical repertoire to contemporary pop/rock. The students in this chorus will be required to participate in several public performances throughout the year, including participation at state choral contest. Class size is limited.

AP Music Theory*

Grade level: 10, 11, & 12  6 pt. class
Prerequisite: Teacher approval required.

This course covers the material studied in a freshman music theory course at the university level. It should be considered by any student who is planning to major or minor in music at the collegiate level or any student who is planning to perform beyond high school in organizations that have professional musicians. Students enrolled in this course will have the opportunity to take the AP Music Theory test in the spring. A background knowledge of basic music fundamentals is strongly recommended for enrollment in this course.

Union Avenue Singers (A Cappella/Jazz Choir)*

Grade level: 10, 11, & 12  4 pt. class
Prerequisite: Audition and teacher approval

Union Avenue Singers is the most advanced choral/vocal music class offered at Union High School. Students will study various musical styles including: vocal jazz, show tunes, madrigals, and classical music. Students will be strongly encouraged to participate in All-State Chorus, All-State Jazz, and solo/ensemble competitions. Performances and rehearsals will take place outside of school hours. The purchase of a uniform is required. Class size is limited.

Glee Club*

Grade level: 10, 11 & 12  4 pt. class
Prerequisite: None

This chorus will perform lighter music ranging from pop to Broadway to classical. Students will also learn the basics of sight reading, music fundamentals, and performance practice. No previous experience in the performing arts is required for this class.

Union Harmony Women’s Choir*

Grade level: 10, 11 & 12  4 pt. class
Prerequisite: Audition and teacher approval

Designed for the advanced female singer, this class continues the study of sight-reading and previously learned vocal skills. Students will perform not only traditional choral literature but also SSA/SSAA music, barbershop, and contemporary music. Students are encouraged to audition for All-State choir and solo/ensemble competitions. Participation required for five concert performances throughout the year. A uniform purchase is required.

French I or Spanish I*

Grade level: 10, 11, & 12  4 pt. class
Recommendation: The grade of C or better in English is highly recommended for success in Level One.

This is the first year of a sequential language program through which students begin to develop proficiency in the language. This is an academic course which requires regular study outside of class. Instruction will focus on the four domains of language: reading, writing, speaking, and listening. Students will be expected to memorize extensive vocabulary, communicate verbally, and write using the target language. In addition, the students will gain knowledge and understanding of the culture of the language studied.

* Indicates course approved for Oklahoma’s Promise Scholarship.
French II* or Spanish II*
Grade level: 10, 11, & 12  4 pt. class
Prerequisite: Passing grade in French I or Spanish I.

French II* or Spanish II* (Cont.)
This course is a continuation of Level I, with an increased emphasis on skill development. New language will integrate with previously learned material, allowing for greater proficiency and preparing students for the next level of language. Instruction will focus on the four domains of language: reading, writing, speaking, and listening. Students will continue to develop extensive vocabulary, communicate verbally, and write using the target language. In addition, the students will gain further knowledge and understanding of the culture of the language studied.

Pre-AP French II* or Pre-AP Spanish II*
Grade level: 10, 11 & 12  5 pt. class
Recommendation: C or better in Pre-AP French I or Pre-AP Spanish I or teacher approval.

This is the second year of a sequential language program leading to AP Spanish IV or AP French IV through which students begin to develop proficiency in the language. New language will integrate with previously learned material, allowing for greater proficiency and preparing students for the next level of language acquisition.

Instruction will focus on the four domains of language with increased rigor: reading, writing, speaking, and listening. Students will continue to develop extensive vocabulary, communicate verbally, and write using the target language. In addition, the students will gain further knowledge and understanding of the culture of the language studied.

Pre-AP French III* or Pre-AP Spanish III*
Grade level: 10, 11, & 12  5 pt. class
Prerequisite: C or better in Pre-AP French II or Pre-AP Spanish II.

This is the third year of a sequential language program leading to AP Spanish IV or AP French IV through which students continue to develop proficiency in all four language domains (reading, writing, speaking, and listening). Students will build on what is taught in the previous levels and add more sophisticated vocabulary with advanced grammatical structures.

AP French IV* or AP Spanish IV*
Grade level: 11 & 12  6 pt. class
Prerequisite: C or better in Pre-AP French III or Pre-AP Spanish III.

AP French IV and AP Spanish IV place emphasis on reading literature (mainly short stories), understanding advanced grammar concepts, and acquiring an extensive vocabulary. Previous verb tenses/modes will be reviewed and expanded upon. This college-level language course is designed to prepare students to take the Advanced Placement exam for college credit.

Food Preparation and Nutrition I
Grade level: 10, 11, & 12  4 pt. class
Prerequisite: Food Prep. & Nut. I  One-semester class

This is a specialized course designed to prepare students to make important decisions regarding nutrition and wellness with assurance and competence. Topics will include the impact of daily nutrition choices on long-term health and wellness; the physical, social, and psychological aspects of healthy nutrition and wellness choices; selection and preparation of nutritious meals and snacks based on USDA Dietary Guidelines including the Food Guide Pyramid; safety and sanitation processes and issues associated with nutrition and wellness; and career exploration in the nutrition and food industries. Laboratory experiences will be a major component of the course.

Food Preparation and Nutrition II
Grade level: 11 & 12  4 pt. class
Prerequisite: Food Prep. & Nut. I  One-semester class

Topics will include more complex concepts in foods and nutrition including a study of international and cultural foods; meal planning and preparation for specific economic, psychological, and nutritional needs; advanced impacts of science and technology on nutrition, food, and related equipment. Laboratory experiences with advanced application will be a major component of the course.

Marriage and Family Life
Grade level: 10, 11, & 12  4 pt. class
One-semester class

This course is designed to provide knowledge of family life and factors that influence lifestyles and decisions. Attention is focused on marriage and family skills, life choices, and parenthood and family changes. It is intended as the basic course from which students gain the knowledge to develop relationships effectively and deal with many relationships that are a part of everyday life.

Parenting & Child Development
Grade level: 10, 11 & 12  4 pt. class
One-semester class

This course is designed to provide basic knowledge of child development and to develop skills necessary to care for children and promote children's development. Students also examine theorists, child health, first aid, and nutrition. Students should have opportunities to guide children's behavior and meet the needs of special age groups. Careers in early childhood care and education are explored.

Adult & Family Living
Grade level: 10, 11 & 12  4 pt. class
One-semester class

This is a one-semester course designed to provide students with information and skills in making decisions as they transition from high school to college, job and/or career.

* Indicates course approved for Oklahoma’s Promise Scholarship.
**FAMILY & CONSUMER SCIENCE (Cont.)**

**Adult & Family Living (Cont.)**
Emphasis is on communication skills, understanding self, leisure activities, etiquette, personal safety, understanding grief and loss, making healthy food choices, and food preparation. Student leadership through Family, Career and Community Leaders of America (FCCLA) is an integral part of this course.

**BUSINESS**

**Work Skills (Job-Out)***
Grade level: 11 & 12 4 pt. class
Prerequisite: Enrolment in a coordinating business technology class

Internship students will receive one hour of credit for Job-Out, leave school at sixth hour each day, work 10 or more hours per week, receive a paycheck for their work, and also have the added benefit of being able to open doors to future job opportunities. It does not matter what days of the week or times of the day you obtain your 10 or more hours each week.

**Broadcast Journalism**
Grade level: 10, 11, and 12 4 pt. class
Prerequisite: Teacher approval and application required.

Broadcast Journalism is a hands-on production class that produces the video announcements (Almost Daily News) and other video projects. The class involves script writing, camera operation, Mac Computer editing and software, along with news reporting and anchoring. Students will learn all aspects of studio techniques during production of the news programs. Students also learn ENG (Electronic News Gathering) skills as they produce their own news stories. This class is also responsible for shooting and editing events that will be included on the Video Yearbook. This class is offered only during 2nd hour.

**Video Production 1**
Grade level: 11 and 12 4 pt. class
Prerequisite: Teacher approval and application required.

This class covers a wide range of areas in the broadcast television industry. The students assist in the operation of the U-View video screen in Union Tuttle Stadium and inside the UMAC. In this process, students will learn video, audio, and production skills for live events. Classroom instruction includes projects using state-of-the-art non-linear Mac editing suites. Students will learn camera operation and audio techniques while producing EFP (Electronic Field Production) projects. Students will also gain valuable television experience producing projects in Union’s television studio. This class is offered only during 3rd hour.

**Video Production II**
Grade level: 11 & 12 4 pt. class

This class expands upon the production experience gained in previous video broadcast courses and includes higher expectations of production values. The class operates as a video production laboratory in which students are given a variety of projects each semester. Students will also be involved in the production of the Union Football Coach’s Show during the fall semester which airs locally on Cox Cable. This class is offered only during 4th hour.

**Accounting**
Grade level: 11 & 12 4 pt. class
Prerequisite: None

This course is for anyone planning on earning money and paying bills. In this computer-based, automated accounting course students will cover the complete accounting cycle. The working papers are online so basic computer skills are needed to input data. Students will learn how to analyze transactions, journalize, and post into the account ledger. Financial statements and payroll procedures will also be covered.

The accounting concepts are introduced using a technological business with owners the students can relate to in each accounting cycle. The software, Aplia, is the online working papers that grades the students’ work to give them instant feedback on their progress. With accounting at the heart of any marketing, management, or finance degree, any college-bound student interested in majoring in a business field should take this course.

**Accounting II**
Grade level: 11 & 12 4 pt. class
Prerequisite: Accounting I

This course will provide students with a strong foundation in advanced accounting principles and techniques needed for success in careers in accounting or other business-related fields. Students will be able to perform computerized accounting for promissory notes, partnerships, and corporations just to name a few.

**Fundamentals of Technology* **
Grade level: 10, 11 & 12 4 pt. class
Prerequisite: None

In this exciting course, students will enjoy hands-on experience with a variety of computer software. This interesting project-based class will explore activities in modern technology including multi-media presentations, graphic design, digital photo editing, movie making, website creation, podcasting, and much more. Working individually and collaboratively, students will develop a digital foundation for future computer courses while learning the dynamics of life in our current technology age.

**Multimedia & Image Design Techniques* **

* Indicates course approved for Oklahoma’s Promise Scholarship.

35
**Multimedia & Image Design Techniques**
Grade level: 10, 11 & 12
Prerequisite: Fundamentals of Technology
Learn to create images - being an artist is not required. If you can connect the dots you can have fun creating images! Students will acquire fundamental skills in image creation, as they create, revise, optimize, and export graphics for video, print, and web publishing. Explore the cutting edge digital world of graphics in this exciting computer-based course using Adobe Creative Suite software. During this project-based, hands-on course, further investigation into the digital design and advertising world will include the introduction to animation design concepts. Emphasizing real-world print and digital media techniques, students will have the opportunity to design advertisements for local community and school projects, compete in design contests while upgrading their technology skills. Students will be prepared for industry certification testing in Adobe Illustrator.

**Desktop Publishing & Graphic Design**
Grade level: 10, 11 & 12
Prerequisite: Multimedia
Discover excitement by editing and creating digital image designs/print media in this computer-based course! Students will acquire fundamental knowledge of newspaper and magazine layouts. They will gain skills related to communicating through visual design with the primary emphasis of this course being desktop publishing and working with graphics using the most popular industry software. Through hands-on projects, students will build a strong foundation emphasizing basic concepts of graphic design, layout, and advertising. Express your creativity and obtain valuable computer experience. Students will be prepared for industry certification testing in Adobe In-Design.

**Digital Editing & Production Photography**
Grade level: 11 & 12
Prerequisite: Desktop Publishing & Graphic Design
Students will acquire fundamental skills in digital photography enhancement. They will identify job roles, certifications, and responsibilities in the photography industry. They will also be manipulating, troubleshooting, compressing, publishing, and exporting graphics and/or animations. Students will demonstrate the effective use of tools for digital photography and apply knowledge to camera operations, combined with effective light techniques for productions. They will apply art elements and principles to photographic works of visual arts in both traditional and digital photographic media.

**Web Design I (Fundamentals of Web Design)**
Grade level: 10, 11 & 12
Prerequisite: Multimedia
Want to learn to design web pages that can communicate, educate, entertain, or provide shopping information? Students will acquire fundamental web authoring skills and design strategies through the application of XHTML and Cascading Style Sheets to create incredible websites that will amaze your audience. Students will be prepared for industry certification testing in Web Design Concepts and XHTML.

**Web Design II (Design Tools & Electronic Marketing)**
Grade level: 11 & 12
Prerequisite: Web Design I
Students will create websites utilizing advanced features of Dreamweaver. They will also acquire fundamental skills in image creation and techniques as they create and export graphics for web publishing using Fireworks and Photoshop.

**Introduction to Business**
Grade level: 10, 11 & 12
Prerequisite: None
Introduction to Business is designed to introduce business concepts at the high school level by computer research. In this class we will include budgeting, saving, investing, banking, and insurance. The investment unit will have a strong emphasis on the Stock Market which will include a stock simulation. International business includes the study of foreign economics and internal business etiquette. During the entrepreneurship unit we will break into groups to form companies, incorporating knowledge gained throughout the semester.

**Sports and Entertainment Management**
Grade level: 10, 11 & 12
Prerequisite: None
The sports and entertainment industries offer numerous products and services beyond the actual athlete or entertainer. This course provides an introduction to the business of sports and entertainment management. Topics will include basic marketing, sponsorship, event planning, promotions, and advertising. The sports segment will include collegiate, professional, and amateur sports. The entertainment segment will include movies, theater, and music.

**Advanced Sports and Entertainment Management**
Grade level: 11 & 12
Prerequisite: Sports and Entertainment Management
Students who have completed the semester Sports and Entertainment Management Class can further their studies with this in-depth yearlong class. Coursework will include a historical overview of sport and entertainment marketing, franchise promotion, event planning and management, sponsorship, advertising, promotions and ticketing, consumer loyalty, and the use of technology in the industry.

* Indicates course approved for Oklahoma’s Promise Scholarship.
PHYSICAL EDUCATION

Marketing & Promotions
Grade level: 11 & 12 4 pt. class
Prerequisite: Sports and Entertainment Management

This class provides hands on training to students in the field of sports and entertainment management through project based activities. Regular class time will be used to perform tasks associated with planning and performing actual sports and entertainment events. Students will be responsible for providing game time entertainment and promotional event for the Union Athletics Department. Must be an UHype Officer, Captain, or core member.

Computer Coding *
[Computer Science and Software Engineering]
Grade level: 10, 11 & 12 4 pt. class
Prerequisite: None

Want to develop coding expertise, design a basic game, build apps and explore the workings of the Internet? Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this PLTW course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. STEM based projects and problems include app development, visualization of data, cybersecurity, robotics, and simulation.

Computer Science Applications*
Grade level: 10, 11 & 12 4 pt. class
Prerequisite: Computer Coding

CSA focuses on integrating technologies across multiple platforms and networks, including the Internet. Students collaborate to produce programs that integrate mobile devices and leverage those devices for distributed collection and data processing. Students analyze, adapt, and improve each other’s programs while working primarily in Java™ and other industry-standard tools. This course prepares students for the College Board’s Advanced Placement CS-A test and aligns with CSTA Level 3C Standards.

Boys' Weightlifting
Grade level: 11, & 12 4 pt. class
Prerequisite: None

The purpose of this course is to develop total body power including muscular strength, agility, flexibility, and cardio-vascular endurance; discuss proper diet and nutrition; give a breakdown of the body’s major muscle groups and provide a variety of exercises to develop each muscle group; discuss and demonstrate lifting technique; develop flexibility through stretching exercises; increase cardiovascular endurance through aerobic exercise; and record and chart each student’s individual progress. Students are required to have a physical education uniform consisting of the following: 1) T-shirt, 2) shorts, 3) white socks, 4) white or non-skid-sole athletic shoes.

Health
Grade level: 10, 11, & 12 4 pt. class
Prerequisite: None

This course will teach students the skills needed for wellness. The curriculum ranges from personal wellness to safety and environmental health.

Girls' Fitness Class
Grade level: 10, 11, & 12 4 pt. class
Prerequisite: None

This course represents a new approach to physical education and the concept of personal fitness. The basic purpose of this course is to motivate students to strive for lifetime personal fitness with an emphasis on health and wellness. Students will improve their health within the class and learn the process of becoming fit. Class activities will be through weight-training, exercises, and running programs with four fitness tests given. Students will engage in fitness activities daily. Students are required to have a physical education uniform consisting of the following: 1) t-shirt, 2) shorts, 3) tennis shoes. Students will DRESS OUT DAILY!!

SPECIAL EDUCATION

Marketing & Promotions
Grade level: 11 & 12 4 pt. class
Prerequisite: None

The following sports will be played: touch football, soccer, slow pitch softball, basketball, and volleyball. Teams will be determined by class enrollment. Games will be played weekly with practice sessions during scheduled class time. For each sport played, the following will be covered: discuss and explain game-playing rules, define terms and player positions, explain individual and team scoring, discuss equipment and proper use, give court and/or field dimensions, review sports history, practice individual playing skills, cover team strategy, team practice games, class tournaments (team and one-on-one if appropriate), and written exam over each sport. Students are required to have a physical education uniform consisting of the following: 1) T-shirt, 2) shorts, 3) white socks 4) white or non-skid-sole athletic shoes.

Special Education
Grade level: 10, 11, & 12 4 pt. class
Prerequisite: Testing, evaluation and teacher approval

The purpose of the Special Education program in Union secondary schools is to provide an environment where students can work to their optimal ability level through individualized instruction and curriculum. It is our goal to return as many students as possible to the regular classroom depending on their success and academic achievements in each particular subject area.

The basic subjects offered in Special Education may be Math, English, Social Studies, Science, Work Skills, and work adjustment training.

* Indicates course approved for Oklahoma’s Promise Scholarship.
SPECIAL EDUCATION (Cont.)

New Leaf
Grade level: 10, 11, & 12

A New Leaf is a vocational program that nurtures students with developmental disabilities by providing work skill training using horticulture therapy in their greenhouse. It provides job training, placement and supervision on community based jobs for a variety of employers throughout the metro area.

LEADERSHIP

Leadership Class
Grade level: 10, 11 & 12  4 pt. class
Prerequisite: Administrative approval required. For Sophomore, Junior, and Senior Student Council and Class Officers only.

The purpose of this class is to train student leaders in the various aspects of student leadership and to provide regular class time for performance of tasks associated with the office to which each has been elected. Experiences will include representative student government and human relations with peer groups, faculty, and administration. Course content will include basis techniques of leadership, goal setting, organizational skills, meetings, group effectiveness, communication, motivation, problem solving, decision making, public relations, and evaluation.

AFJROTC I
Grade level: 10, 11 & 12  4 pt. class
Prerequisite: Students need to have completed Financial Literacy prior to enrolling.

The Air Force Junior Reserve Officer Training Corps Program is for students in grades 9-12. The curriculum covers Aerospace History, science, Space and Options, and the Honors Ground School Program. Career-minded students will learn about jobs in the Air Force that will provide important opportunities for the future. High school students who complete the Aerospace Science Program in AFJROTC may be able to enter the military at pay grades higher than most enlistees. All cadets will be required to wear the uniform and participate in military drill and ceremonies. All materials for the course such as uniforms, insignia, and JROTC textbooks are free.

AFJROTC II
Grade level: 10, 11, & 12  4 pt. class
Prerequisite: Successful completion of AFJROTC I and AFJROTC instructor’s permission.

AFJROTC II is the continuation of AFJROTC I for second year AFJROTC cadets. It consists of Aerospace Studies, designed to acquaint the student with the aerospace environment, the human requirements for flight, principles of aircraft flight, and principles of aviation. In addition, a Leadership Education course of

AFJROTC III
Grade level: 11 & 12  4 pt. class
Prerequisite: Successful completion of AFJROTC II and AFJROTC instructor’s permission.

AFJROTC III is the continuation of AFJROTC II for third year AFJROTC cadets. Course curriculum involves the study of rocketry, space vehicles, and the exploration of space. In addition a Leadership Education course of instruction will be taught, stressing life skills and cadet corps activities. All cadets will be required to wear the uniform and participate in military drill and ceremonies, as well as corps projects.

AFJROTC IV
Grade level: 11 & 12  4 pt. class
Prerequisite: Successful completion of AFJROTC III and AFJROTC instructor’s permission.

AFJROTC IV is the continuation of AFJROTC III for fourth year AFJROTC cadets. Course curriculum includes cadet management, pilot ground school, geography, and survival. In addition, a Leadership Education course of instruction will be taught. All cadets will be required to wear the uniform and participate in military drill and ceremonies, as well as corps projects.

SERVICE LEARNING

Students applying for any Service Learning class must have a high degree of personal responsibility and motivation. This class is a privilege and a reward for three years of hard work in high school. It can also help propel students into the world of work giving them authentic experiences in a career or service field. Excellent attendance, work ethic, and independent personal motivation are required. Students must have a 2.5 GPA to apply and must respond weekly to an on-line writing prompt. Failure to respond in writing will result in removal from the class.

General Service Learning
Grade level: 11 & 12  4 pt. class
Prerequisite: Completed Application
This semester or full-year elective course is designed for high school juniors and seniors as an opportunity for community service and career exploration. Students will be required to travel to their placement on a daily basis for one or two class periods if their schedules permit, to write a weekly reflection, and to be evaluated by their professional partner three times a semester. Students are responsible for their own transportation.

* Indicates course approved for Oklahoma’s Promise Scholarship.
Special Education Peer Tutor
Grade level: 12  4 pt. class
Prerequisite: 2.5 GPA
Students in this course will develop an understanding of various disabilities. Peer Tutors will work in one-on-one situations assisting students with disabilities with functional academics, social skills, daily living skills, and vocational skills. Peer tutors are expected to be role models and remain actively engaged with students in the classroom for the entire class period. A positive attitude and good attendance is a must! All peer tutors will earn a letter grade based on daily performance. Peer tutors must be approved by teachers or counselors.

Main Office
Grade level: 12  4 pt. class
Prerequisite: 2.5 GPA

Exceptional communication and organizational skills are a must. Students are responsible for taking calls from Attendance Offices as well as delivering student passes among their many other duties. Students are expected to adhere to school policies on confidentiality and privacy. Students must follow directions well. Due to the diversity of tasks for which a student will be responsible, versatility and adaptability are a must. Students will be allowed to work on homework once all office work is complete.

College & Career Center
Grade level: 12  4 pt. class
Prerequisite: 2.5 GPA and completed application

Exceptional communication and organizational skills are a must. CCC students are responsible for greeting and directing other students and parents, delivering student passes, and creating college slides among their many other duties. Students are expected to adhere to school policies on confidentiality and privacy. Students must follow directions well. Due to the diversity of tasks for which a student will be responsible, versatility and adaptability are a must. Students will be allowed to work on homework once all office work is complete.

Activities Office Internship
Grade level: 12  4 pt. class
Prerequisite: 2.5 GPA and completed application

Activities Office Student Interns need to have a high level of energy, a "can do" attitude, and a willingness to serve. The office is a hive of activity that requires professional and focused students with good communication skills to answer phones, run passes, and make copies along with many other diverse errands. Students need to be flexible and positive to flow with the random nature of tasks assigned. Activities Office students are expected to be knowledgeable about school events and passionate about Union. They are often required to be ambassadors to visitors and give tours of the school. Students applying for this office should be involved in school activities and express an attitude of inclusivity toward the student body.

Athletic Office
Grade level: 12  4 pt. class
Prerequisite: 2.5 GPA and completed application

Athletic students should be prepared to assist the directors and secretaries with various office jobs, as with any district office, as well as game day preparation. The ideal candidate for service learning in the athletic office is a student who plans for a future in athletic administration. Serving in the athletic office should prepare students to continue their goal of working in athletic administration.

Some jobs include, but are not limited to: answer phones, assist with filing of non-sensitive documents, prepare mailings, pick up and distribute mail from mail room, deliver items to High School as needed, sort season tickets, check copy machines counts, collect and distribute intramural registration forms, hang directional signs on game days, assist with loading of press box supplies.

Nurse’s Office
Grade level: 12  4 pt. class
Prerequisite: 2.5 GPA and completed application

**Attitude and Demeanor**
- Students must be able to maintain a quiet attitude and courteous demeanor.
- Students must understand the importance of privacy and agree not to discuss outside the office who visits the nurse office or why someone came in.
- Students must also respect the private areas of the office such as student files, nurse and health clerk’s desk and computers, and personal items. They may briefly use the phone with permission.
- A nurse office student must be able to manage time well since there are periods of time when there are no responsibilities for the student. Students are allowed to do homework, study, read, or just sit quietly during those times of no assigned duty.

**Duties**
- Students in the nurse’s office may be asked to do any or all of the following duties depending on the hour they are assigned to the office:
  - Help maintain cleanliness of the office by cleaning the cots, counters, doorknobs, and other surfaces.
  - Help stock or organize the supply cabinets.
  - Get ice from the cafeteria.
  - Take student passes to classrooms.
  - Escort students back to class if necessary.
  - Help design or place bulletin board displays.

Media Center
Grade level: 12  4 pt. class
Prerequisite: 2.5 GPA and completed application

**Basic Library Duties:**
- Work at circulation desk: check books in and out
- Shelve books

* Indicates course approved for Oklahoma’s Promise Scholarship.
**Media Center (Cont.)**

- Read shelves
- Straighten up magazines & newspapers area
- Assist with inventory
- Process new books (stamp, barcode, tattle tape, etc.)
- Monitor sign-in sheet for computer lab and passes
- Assist with book repairs
- Help with special projects and programs
- Pick up and sort mail
- Deliver items to classrooms and offices
- Basic straightening of library (chairs, magazines, computer areas, etc.)
- Light cleaning, e.g., dusting, picking up trash
- Laminating and/or trimming laminating
- Photocopying
- Answering phone calls
- Photocopying

**Registrar’s Office**

<table>
<thead>
<tr>
<th>Grade level:</th>
<th>12</th>
<th>4 pt. class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisite:</td>
<td>2.5 GPA and completed application</td>
<td></td>
</tr>
</tbody>
</table>

**Basic Registrar's Office Duties:**

- Meet and greet guests
- Assist guests and students with questions
- Give new students tour of building
- Deliver passes to students for our office as well as others

**Art 1 Internship**

<table>
<thead>
<tr>
<th>Grade level:</th>
<th>11</th>
<th>4 pt. class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisites:</td>
<td>Complete one year of Art Club membership in good standing. Minimum of two Art courses in grade 8 &amp; up.</td>
<td></td>
</tr>
</tbody>
</table>

This course is designed to serve our career-bound art students. Upon completion of this course, students will have on-job training that will prepare them for the demands of entry level in the non-collegiate field of art. Eligible students must submit a résumé/portfolio or samples of

**Fine Arts Service Learning**

<table>
<thead>
<tr>
<th>Grade level:</th>
<th>11 &amp; 12</th>
<th>4 pt. class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisites:</td>
<td>Completed Application</td>
<td></td>
</tr>
</tbody>
</table>

This semester or full-year course is designed to allow juniors and seniors an enriched experience with the Fine Arts Department. Placements include Orchestra, Choir, Band, Theater and Technical Theater Service Learning. The Fine Arts Department is looking for students who have several years of experience in the Fine Arts. Students must have a consistent record of academic eligibility, maintain good attendance, a positive attitude and be role model citizens of Union Public Schools. A student’s placement must be approved by the Fine Arts Department and is not guaranteed. Students are required to write a weekly reflection regarding their placement.

- Service Learners will assist with daily operations of class including but not limited to: Attendance, Materials distribution, Class Discussions and Bell Work assignments

**Automotive Mechanic Internship**

<table>
<thead>
<tr>
<th>Grade level:</th>
<th>11 &amp; 12</th>
<th>4 pt. class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisites:</td>
<td>Completed Application</td>
<td></td>
</tr>
</tbody>
</table>

AUTOMOTIVE SERVICE: INSPECTION, MAINTENANCE, REPAIR contains all the knowledge and skills necessary for students to be successful in a number of automotive careers. This program is a partnership with the City of Tulsa’s heavy machinery garage located about one mile from the school. This course covers major areas of automotive technology by progressing students through an introduction to shop management and then covering theories of vehicle systems operations with step-by-step procedures for troubleshooting and repairing automobiles. Course work includes coverage of different topics such as tires, lubrication, diagnostics, and much more. The City of Tulsa is looking for motivated students with a passion for mechanics. Material is presented using a textbook, on-line resources, and hands on learning.

**Industry Partnerships (Manufacturing, Construction, Culinary)**

<table>
<thead>
<tr>
<th>Grade level:</th>
<th>11 &amp; 12</th>
<th>4 pt. class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisites:</td>
<td>Completed Application</td>
<td></td>
</tr>
</tbody>
</table>

This semester or full-year course is designed to allow juniors and seniors in-depth training in a specialized field with Union’s industry partners. Students interested in construction can be paired with industry experts in all construction related fields: electrician, architecture, project managers, plumbing, HVAC, etc. Students interested in manufacturing can enroll in a class with a dedicated instructor that is paired with regular site visits to manufacturing businesses. Some certifications are available through this program. Welding and machining programs are available to incoming seniors. Enrolled students receive training and apprenticeship opportunities. Students interested in culinary can be placed with our partner restaurants or grocery chains to experience prep work, baking, cake and pastries, cake decorating, or shadow a chef. There is a separate application for our industry partnerships and in most cases, students must provide their own transportation. There is no weekly written reflection required, however there is coursework, testing, and assignments given by industry supervisors.

* Indicates course approved for Oklahoma’s Promise Scholarship.
Big Buddy Mentoring Service Learning
Grade level: 11&12 4 pt. class
Prerequisites: Completed Application

High school juniors and seniors can enroll in this year-long course. Attendance at mandatory workshops is required. After students have been trained, they will be matched with 1-2 Elementary or Middle School students within the district to serve as a mentor. Daily, they will visit that school site to spend time with their assigned “buddy” during their assigned class time. Service Learning students might tutor, play games, or just share a meal or snack together. A positive attitude and a love of children is a must for this placement. Students must provide their own transportation.

*Students who are NOT enrolled in Service Learning, but are interested in serving as a Big Buddy can get more information in the College & Career Center. If you are not enrolled in Service Learning, you must have a travel or virtual hour and are expected to visit your Little Buddy once a week.

Future Educators Program
Grade level: 11 & 12 4 pt. class
Prerequisites: Completed Application
Note: This course meets 5th and/or 6th hour

Teaching is among the most personally rewarding of professions. This program is looking for highly motivated juniors and seniors in good academic standing with consistent attendance who are interested in education. Through a partnership with Junior Achievement, local universities and Union High School, students can take a 5th hour pedagogy class which focuses on subject matter knowledge, appropriate strategies, best practices and interpersonal skills essential to providing successful learning experiences for children. Students then travel to a 6th hour placement at a district school for the opportunity for observation and hands on applications. This allows high schools students the opportunity to observe and participate in instruction and classroom management skills. High School students enrolled in this program may have the opportunity to secure paid employment with Union’s Extended Day Program

Union Student Athletic Training Intern Program
Grade level: 10 & 11 4 pt. class
Prerequisites: Completed Application and Interview
Note: This course meets 4th, 5th, and/or 6th hour

Student Athletic Training Aides are high school students who are exposed to the prevention, treatment, recognition, and rehabilitation of athletic injuries. Student Athletic Training Aides are taught and supervised by Union’s three licensed and board certified Athletic Trainers. While in the athletic training program, student athletic training aides will work with student-athletes competing at the highest levels. Student athletic training aides are considered student athletes and will receive the same amount of recognition as the athletes they care for; varsity letter awards and the chance to earn state championship rewards are just two examples of how student athletic training aides are recognized as student athletes. Some student athletic training aides may choose to pursue their careers in college either as an athletic trainer or in another field of sports medicine. Being a student athletic training aide is a tremendous opportunity for students to learn team-work, responsibility, social skills, as well as how to set priorities in their schedules. Being a student athletic training aide is a great chance for anyone interested in being part of athletics and working in a medical setting.

The expectations of a student athletic training aide are no different than that of a student athlete. Since our focus is the care of athletic injuries, student athletic training aides must be present at all practices and games due to the fact that injuries may occur. This includes weekdays, weekends, and some holidays and breaks. Student athletic training aides put in the same amount of hours as any student athlete. As the name implies, your primary focus is your academic studies and you will be expected to maintain an above average GPA. Student athletic training aides are also required to obtain certification in First Aid/CPR/AED training. This is usually done during your summer clinics. Students must also share in the day to day responsibilities that go with the maintenance of our athletic training room. The most important expectation is to act in a professional manner in everything that you do while representing the Union Athletic Training Department. You must be a positive reflection of yourself, your school, community and Union Athletic Training.

The Union Student Athletic Training Program is open to all incoming sophomores and juniors. Each student will make application to the program and will go through an interview process.

* Indicates course approved for Oklahoma’s Promise Scholarship.
TULSA COMMUNITY COLLEGE CONCURRENT CLASSES
OFFERED AT UNION HIGH SCHOOL

ENG 1113 - Freshman Composition I
Grade level: 12  4 pt. class  3 credits
Prerequisite: ACT or PLAN score of 19. Composite
and Reading and English sub scores.
Composition I guides students through the writing process with regular practice and analysis of effective writing. It is the first in a sequence of two Freshman Composition courses. Lecture three hours. Self-paced laboratory may be required.

ENG 1213 - Freshman Composition II
Grade level: 12  4 pt. class  3 credits
Prerequisite: ENG 1113
A continuation of English 1113 (Freshman Composition I), Composition II involves critical reading, thinking, and writing. The course includes analysis and evaluation of reading selections and techniques of research and documentation. Lecture three hours. Self-paced laboratory may be required.

MTH 1513 - College Algebra
Grade level: 11 & 12  4 pt. class  3 credits
Prerequisites: ACT/PLAN score of 19. Math sub score of 21. Two years of high school algebra.
A continuation of MTH 0123 or MTH 0105, including relations and functions, graphing using transformations, algebra of functions, conic sections, polynomial and rational functions, systems of equations, matrices, exponential and logarithmic functions, binomial theorem, sequences and series, and applications. Lecture three hours. No laboratory.

POS 1113 American Federal Government
Grade level: 11 & 12  4 pt. class  3 credits
Prerequisite: ACT/PLAN score of 19 and reading sub score of 19.
A study of the principles, structure, processes, and functions of the United States Federal Government. Lecture three hours. No laboratory.

PSY 1113 - Introduction to Psychology
Grade level: 11 & 12  4 pt. class  3 credits
Prerequisite: ACT/PLAN score of 19 and reading sub score of 19.
A survey of the major areas of study in psychology such as motivation, learning, physiology, personality theories and treatment, social psychology, psychological disorders, perception, memory, and cognitive thought. Lecture three hours. No laboratory.

SPCH 1113 - Speech Communication I
Grade level: 11 & 12  4 pt. class  3 credits
Prerequisite: ACT/PLAN score of 19 and reading sub score of 19.
An introductory course in oral communication, emphasis is on improving applied communication skills. Special attention is given to critical-thinking skills and the anatomy of the communication process: audience analysis, research, organization, logic, ethical use of evidence, delivery, and listening. Required for B.A. and B.S. degrees in most professional majors; i.e., Business, Law, Education, Medical, English.

BIOl 1383 - Nutrition
Grade level: 11 & 12  4 pt. class  3 credits
Prerequisite: ACT/PLAN score of 19.
An evaluation of basic composition of nutrients and accessory factors required for adequate human nutrition. Application of nutritional principles to the planning of normal and special dietary regime.

GEOG 1023 - World Geography
Grade level: 11 & 12  4 pt. class  3 credits
Prerequisite: ACT/PLAN score of 19 and reading sub score of 19.
A study of the relation of mankind to his environment and his utilization of natural resources, dealing with problems of production, manufacture, and distribution of goods throughout the world. The aspects of primitive subsistence and degrees of commercialism are considered.

CSCI 1203 – Computer Concepts and Applications
Grade level: 11 & 12  4 pt. class  3 credits
Prerequisite: Appropriate CPT or ACT score
This is a theory/applications course. The theory introduces the role of computers in all aspects of global society including security issues. The applications segment utilizes Microsoft Windows, Word, Excel, Access, PowerPoint and the Internet to equip students with basic computer skills necessary for their academic and professional careers. It will serve as the first course to be taken by any computer science major, may satisfy a computer science requirement for another discipline, a university parallel transferable course and meets the computer proficiency requirements mandated by the Oklahoma State Regents for Higher Education.

CSYS 2073 – MS Office
Grade level: 11 & 12  4 pt. class  3 credits
Prerequisite: CSCI 1203 or instructor approval, Appropriate CPT or ACT score
An in-depth treatment of the Microsoft Office product. Access, Excel, Word, and PowerPoint will be used separately and as an integrative part of Office. Emphasis will be placed on hands-on training.
As you travel down each path, you will create authentic work pieces that will engage you in higher-level learning and provide you with a greater understanding of literature and its connection to the world.

English 11*
Grade level: 11  4 pt. class

The purpose of this course is to provide integrated educational experiences in the language arts strands of reading, writing, listening, viewing, speaking, language, and literature. The content should include, but not be limited to, the following:

- using the reading process to construct meaning
- using technical, informative, and imaginative texts
- using writing processes for various purposes with attention to style and format
- using the research process and individual inquiry to locate, analyze, and evaluate information
- using effective listening, speaking, and viewing strategies in informal and formal situations
- understanding the power of language as it impacts readers, writers, listeners, viewers, and speakers
- understanding and analyzing literary texts
- responding critically and aesthetically to literature

English 12*
Grade level: 12  4 pt. class

Come explore the world of big ideas in English 12, where you are able to choose which path you will travel as you explore highly-engaging, thematic units. Each path will guide you through a series of literary pieces that allow you to analyze the political, social, economic, and cultural messages of its time as well as its relevance to the world you live in today.

Each path revolves around a central theme. The works in the course span a period of over 1000 years and have been written by authors who share common ideas, but employ a variety of literary genres to express their views. Whether it is the dramatic ending of a play, or the colorful images in a verse of poetry, the words of these authors will leave you with a new understanding of the world around you.

As you travel down each path, you will create authentic work pieces that will engage you in higher-level learning and provide you with a greater understanding of literature and its connection to the world.

Gothic Literature Stories and Mythology Tales*
Grade level: 11 & 12  4 pt. class

This course will focus on the major themes found in Gothic literature and will also feature an overview of mythology and different kinds of folklore. From vampires to ghosts, Gothic literature has influenced fiction writers since the 18th century. Students will also journey with ancient heroes as they slay dragons and outwit gods, follow fearless warrior women into battle, and watch as clever monsters outwit those stronger than themselves.

Math

Algebra II AP Emphasis*
Grade level: 11 & 12  5 pt. class
Prerequisites: Algebra I, Geometry, and instructor recommendation.

Algebra II is a course that extends the content of Algebra I and Geometry focusing on providing further development of the concept of a function and analysis of function characteristics. The major topics in Algebra II include: (1) relations, functions, equations, and inequalities; (2) quadratics, including conic sections; (3) polynomials; (4) rational functions; (5) radical functions; (6) logarithmic and exponential functions; (7) sequences and series; and (8) counting principles and probability. Graphing calculator skills will be taught and used extensively in this course to analyze the graphs of the various functions studied. Throughout this course, students will develop learning strategies, critical-thinking skills, and problem-solving techniques to prepare for future math courses and college entrance exams. To be successful in Algebra II a student will need access to a computer with Internet. Text, homework, and tests are all online.

Pre-Calculus with Trigonometry*
Grade level: 12  5 pt. class
Prerequisite: Algebra II

This course is designed to prepare students for Calculus in college. Topics include functions, series, sequences, matrices, complex numbers, conic sections, polar and parametric equations, linear regression, applications of trigonometry, and an introduction to Calculus. The focus will be on problem solving and using mathematical models to represent real-world situations. Technology will be incorporated throughout the curriculum.

Science

Marine Science*
Grade level: 11 & 12  4 pt. class

As our amazing planet continues to change over time, it becomes increasingly more apparent how human activity has made environmental impacts. In the Marine Science course, you will delve deep into Earth’s bodies of water and study geologic structures and how they impact the oceans. You will investigate characteristics of various populations, patterns of distribution of life in our aquatic systems, and ongoing changes occurring every day in our precious ecosystems.
Social Problems

Grade level: 11 & 12  4 pt. class

Every society has laws that its citizens must follow. But in today's world, crime and deviant behavior rank at or near the top of many people's concerns. Students will explore the workings of our court systems and how laws are carried out. This course will also examine Criminology, the study of crime.

Social Problems

Grade level: 11 & 12  4 pt. class
Prerequisite: None

Students will become aware of the challenges faced by social groups as well as learn about the complex relationship among societies, governments, and the individual. Each unit focuses on a particular area of concern, often within a global context. Students learn about the overall structures of the social problem as well as how it impacts their lives.

History of the Holocaust and Human Geography*

Grade level: 11 & 12  4 pt. class
Prerequisite: None

Holocaust education requires a comprehensive study of not only times, dates, and places, but the motivation and ideology that allowed these events. Students will explore the diverse ways in which people affect and are affected by their surroundings including geography, customs, and lifestyle.

Forensic Science: Secrets of the Dead

Grade level: 11 & 12  4 pt. class

Fingerprints. Blood spatter. DNA analysis. The world of law enforcement is increasingly making use of the techniques and knowledge from the sciences to better understand the crimes that are committed and to catch those individuals responsible for the crimes. This course will focus on the analysis of evidence within the forensic lab setting. We will examine scientific principles and knowledge that guide forensic laboratory processes, such as testing DNA, toxicology, and material analysis. This course does not count as a science credit; it counts as an elective.

Sociology: The Study of Human Relationships and Your Social Life

Grade level: 11 & 12  4 pt. class

The world is becoming more complex. How do your beliefs, values, and behaviors affect the people around you and the world in which we live? Students will examine social problems in our increasingly connected world and learn how human relationships can strongly influence and impact their lives....and how in turn these factors re-shape society itself!

Law and Criminology

Grade level: 11 & 12  4 pt. class

Every society has laws that its citizens must follow. But in today's world, crime and deviant behavior rank at or near the top of many people's concerns. Students will explore the workings of our court systems and how laws are carried out. This course will also examine Criminology, the study of crime.

Spanish II*

Grade level: 11 & 12  4 pt. class
Prerequisites: Spanish I

*This class is not recommended for a student who has not taken a Spanish class within the last year.

Students will be required to attend this class 2-3 times a week. The purpose of this class is to strengthen Spanish listening, speaking, reading, and writing skills. Students will also experience the beauty and expressiveness of a language that is shared by different people and cultures throughout the world.

Grade level: 11 & 12  4 pt. class

Students will be required to attend this class 2-3 times a week. The purpose of this class is to strengthen Spanish listening, speaking, reading, and writing skills. Students will also experience the beauty and expressiveness of a language that is shared by different people and cultures throughout the world.

Forensic Science: Secrets of the Dead

Grade level: 11 & 12  4 pt. class

Fingerprints. Blood spatter. DNA analysis. The world of law enforcement is increasingly making use of the techniques and knowledge from the sciences to better understand the crimes that are committed and to catch those individuals responsible for the crimes. This course will focus on the analysis of evidence within the forensic lab setting. We will examine scientific principles and knowledge that guide forensic laboratory processes, such as testing DNA, toxicology, and material analysis. This course does not count as a science credit; it counts as an elective.

Sociology: The Study of Human Relationships and Your Social Life

Grade level: 11 & 12  4 pt. class

The world is becoming more complex. How do your beliefs, values, and behavior affect the people around you and the world in which we live? Students will examine social problems in our increasingly connected world and learn how human relationships can strongly influence and impact their lives....and how in turn these factors re-shape society itself!

Law and Criminology

Grade level: 11 & 12  4 pt. class

Every society has laws that its citizens must follow. But in today's world, crime and deviant behavior rank at or near the top of many people's concerns. Students will explore the workings of our court systems and how laws are carried out. This course will also examine Criminology, the study of crime.
**TECHNOLOGY**

**AP Computer Science A***
Grade level: 11 & 12  
Prerequisites: Algebra I & II

The AP® Computer Science A course is equivalent to the first semester of a college-level computer science course. The course involves developing the skills to write programs or part of programs to correctly solve specific problems. AP® Computer Science A also emphasizes the design issues that make programs understandable, adaptable, and when appropriate, reusable. At the same time, the development of useful computer programs and classes is used as a context for introducing other important concepts in computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, and the study of standard algorithms and typical applications. In addition, an understanding of the basic hardware and software components of computer systems and the responsible use of these systems are integral parts of the course.

**Computer Science ***
Grade level: 11 & 12  
Prerequisites: Algebra I, Geometry

The purpose of this course is to enable students to develop knowledge of programming concepts. Students will learn planning skills and techniques of good programming practice. Creative thinking and logical analysis will be used to develop algorithms, flowcharts, and computer programs that solve a variety of real-world problems. The syntax, vocabulary, and data structures will be explored by writing, testing, and debugging computer programs that focus on robotics and media computing. Ethical, social, and historical implications of technology and society will also be examined.

**Digital Editing***
Grade level: 11 & 12  

In this course, students will learn creative photographic skills and processes. Students will build a portfolio of work and explore the fields of photography and graphic arts. Students will also learn that photography is not a single process but rather a new way of seeing and thinking. Learning from the greats, students will develop a more critical and creative eye.

**PHYSICAL EDUCATION**

**Personal Fitness and Life Management**
Grade level: 11 & 12  

Students will start by assessing their physical condition. They will keep a workout log to measure progress. In addition, they will have a great personal trainer (their teacher) who will help them set realistic goals. Students will learn how to deal with real issues that impact their lives every day, such as nutrition, substance abuse, stress, and their health.
NON-DISCRIMINATION

The Union School District does not discriminate on the basis of race, color, religion, national origin, gender, qualified individual with a handicap or disability in any of its policies, practices, or procedures. This provision includes, but is not limited to, admissions, employment, and educational services, in accordance with all applicable state and federal laws. However, the student's participation rights may be withdrawn for disciplinary reasons, e.g., unbecoming conduct, violation of rules or laws, etc.