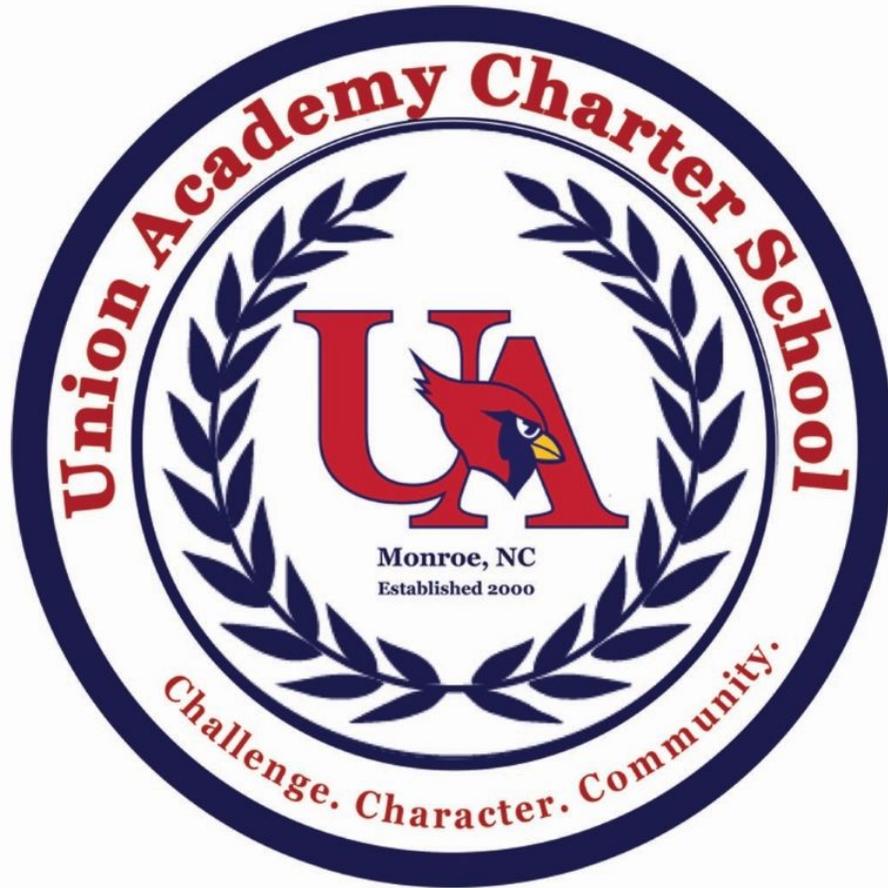


**2019-2020**



**Union Academy  
High School  
Course Planning Guide**

## HIGH SCHOOL COURSE OF STUDY

A general listing of courses that Union Academy will be offering to students as they continue through high school is provided in this guide. Course selections may vary year to year as students and faculty demonstrate different interests. The general course of study description for all courses is determined by the North Carolina Common Core and Essential Standards. In extraordinary circumstances, certain course requirements may be exempted and other courses substituted for those requirements.

Union Academy, in compliance with its charter and mission, will require that all students complete minimally the State Future-Ready Core Graduation Requirements. Completion of our graduation requirements will prepare students for continuing education after high school, success in a rapidly developing society of technology, and/or specialized training.

### Union Academy Diploma Requirements:

To obtain a Union Academy Diploma, a student must meet the basic graduation requirements that follow:

<b>Graduating in 2020 and 2021</b>	
English (4 Credits)	English I, II, III and IV
Mathematics (4 Credits)	Math I, II, III, and a higher level math course with Math III as a pre-requisite
Science (4 Credits)	A physical science course, Biology, an Environmental Science course, and a natural/behavioral/agricultural science (e.g., a core science, science elective, specific social science elective, or agriculture)
Social Studies (4 Credits)	World History, American History I, American History II <b>OR</b> AP US History, Civics & Economics, and an additional social studies course
World Languages (2 Credits)	Credits must be in the same language
Health/Physical Education (1 Credit)	
2 Electives within the same discipline (2 Credits)	Career and Technical Education (CTE), Arts Education, Any other subject area (Soc. St., Science, Mathematics, English)
2 Additional Electives	Recommended that students take at least 1 Fine Art credit
<b>23 Minimum number of Credits Required</b>	

<b>Graduating in 2022 and Beyond</b>	
English (4 Credits)	English I, II, III and IV
Mathematics (4 Credits)	Math I, II, III, and a higher level math course with Math III as a pre-requisite
Science (4 Credits)	A physical science course, Biology, an Environmental Science course, and a natural/behavioral/agricultural science (e.g., a core science, science elective, specific social science elective, or agriculture)
Social Studies (4 Credits)	World History, American History I, American History II <b>OR</b> AP US History, Civics & Economics, and an additional social studies course
World Languages (2 Credits)	Credits must be in the same language
College and Career Readiness (1 Credit)	Research/Leadership: In development phase
Health/Physical Education (1 Credit)	
2 Electives within the same discipline (2 Credits)	Career and Technical Education (CTE), Arts Education, Any other subject area (Soc. St., Science, Mathematics, English)
2 Additional Electives	Recommended that students take at least 1 Fine Art credit
<b>24 Minimum number of Credits Required</b>	

## **Promotions:**

### **Ninth Grade**

To be designated a Sophomore, a student must have earned a grade of 60 (D-) or better in five year-long classes and earn at least five units of credit which must include an English course ( English I or higher) , a mathematics course (Math I or higher), a social studies course, a science course, and one other unit of credit.

### **Tenth Grade**

To be designated a Junior, a student must have earned a grade of 60 (D-) or better in 10 year- long classes and earn at least 11 units of credit which must include English I, English II, two mathematics courses (Math I and Math II or higher), two social studies courses, two science courses, and three other units of credit.

### **Eleventh Grade**

To be designated a Senior, a student must have earned a grade of 60 (D-) or better in 16 year- long classes and earn at least 18 units of credit which must include English I, English II, English III, three math courses (Math I, Math II, Math III or higher), three social studies courses, three science courses, and six other units of credit.

## **Academic Course Information**

### **North Carolina Testing Requirements – Local Standards**

Teacher created final exams, NC Finals and/or EOCs will count as 20% of a student's final grade.

According to state testing guidelines:

*Students enrolled in English II, Math I, Math III and Biology will participate in the EOC (end of course) tests.*

### **Difficulty of Courses**

Union Academy offers three levels of courses:

- **College Prep (CP)** - Course content, pace, and academic rigor follow standards specified by the North Carolina Common Core and Essential Standards with content enrichment where appropriate.
- **Honors (H)** - Course content, pace, and academic rigor put high expectations on the student and surpass standards specified by the North Carolina Common Core and Essential Standards. These courses demand a greater independence and responsibility. Taking a course of this level requires a teacher recommendation. Parents may request an Honors Course Waiver Form from the School Counseling office.
- **Advanced Placement (AP)** - College Level. Course content, pace, and academic rigor are adopted by the College Board. Educators from both the high school and higher education collaborate to create rigorous, nationwide AP curriculums that are measured using standardized tests in May of each year. AP courses are introductory college-level classes taken by high school students. Students who take and pass AP courses and the AP tests can receive college credit. For more information about the AP program, visit [www.collegeboard.org](http://www.collegeboard.org).

### **Advanced Placement (AP) Policy**

AP courses are rigorous, college-level classes, requiring an AP Exam to potentially earn college credit. Qualification for *each* AP course at Union Academy requires the recommendation of two core teachers as they are highly knowledgeable about the criteria for success at the AP level (at least one teacher must be within the same discipline of the intended AP course).

Students, who do not receive the recommendation of *two* teachers, will not be allowed to enroll in an AP course. Parents, who still desire for their son/daughter to be enrolled in an AP course, may first discuss the AP criteria with the above mentioned teachers. If parents remain unsatisfied with the decision, they may consult the high school principal.

*Note: Students have the option to take the AP exam to potentially earn college credit. Students will be required to notify their teacher of their intentions by the end of the first semester. The exam fees are determined by College Board. Last year's fee was \$92 per exam. In the past North Carolina has been awarded a grant that has covered AP Exam Fees for all NC students. As this grant is renewed yearly, it is unknown if AP Exams Fees will be covered.*

## North Carolina Virtual Public School

The North Carolina Department of Public Instruction offers online courses through NC Virtual Public School (NCVPS). There are a selected number of AP, Honors, and College Prep courses which can be taken online during the instructional day. Online courses are rigorous academic classes which require good time management skills and self-motivation. Students should carefully consider this method of instruction before enrolling. It is suggested that students are limited to two NCVPS courses per semester, but permission for additional courses may be requested through the school counselor.

*NCVPS is traditionally used for students who:*

- Want to take a course not available at the school
- Want to take a course that cannot be accommodated in their schedule
- Want to take courses above the full course load

Students must discuss course selections with their school counselor. The school staff will make every effort to place students in a face-to-face course prior to using NCVPS. NCVPS course listings, descriptions, and the prerequisites necessary for taking NCVPS courses can be found at [www.ncvps.org](http://www.ncvps.org). These prerequisites are not determined by UA and are subject to change by the North Carolina Department of Public Instruction. In order to take an NCVPS course, the student must complete and sign an online learning contract from his/her school counselor.

If a student fails a NCVPS or SPCC course, or is withdrawn from a NCVPS or SPCC course due to a failing grade, s/he needs principal approval before taking another NCVPS or SPCC course.

Additionally, if a student **is not passing** his/her online course by the specified drop date, the student will automatically be withdrawn from the course.

### Career and College Promise Program

The Career and College Promise (CCP) Program will offer college level courses taught through South Piedmont Community College (SPCC) at Union Academy for rising 11<sup>th</sup> and 12<sup>th</sup> graders with a GPA of 3.0 or better and demonstrates college readiness based on one of the following criteria:

1) PLAN Scores *English 15, Reading 18, Math 19	3) SAT Scores (2016 and Future) *Evidence-Based Reading and Writing 480, Math 530
2) PSAT Scores (2015 and Future) *English 26, Reading 26, Math 24.5	4) ACT Scores *English 18, Reading 22, Math 22

Students will receive Advanced Placement level course credit and may utilize the SPCC Program Track courses, up to 30 hours, for college credit transfer. Students must maintain a 2.0 GPA in the CCP course to continue. CCP courses are strictly taught by SPCC instructors. If interested, please see your school counselor for the list of courses being offered through Union Academy. If a student decided to drop the course after the SPCC drop date (typically seven days from the start of the course), the student will receive a WP (Withdraw Pass) or WF (Withdraw Fail) based on the student's performance at the time he or she withdraws from the course. A course dropped with a WF will be computed as failing in the grade point average and class rank. Courses dropped before their completion will receive no credit.

Please note that final course grades from SPCC are sent as a letter grade. Union Academy must use the state's conversion for the course.

If a student fails a NCVPS or SPCC course, or is withdrawn from a NCVPS or SPCC course due to a failing grade, s/he needs principal approval before taking another NCVPS or SPCC course. Additionally, if a student **is not passing** his/her online course by the specified drop date, the student will automatically be withdrawn from the course.

## **General Student Information**

### **Period Attendance**

Credit will not be granted for classes when student absences exceed 19 days for a year-long course. The maximum number of absences will include excused, unexcused and out of school suspension absences. In certain cases of extreme illness, family death, or court appearances, the principal may waive absences and allow a student to receive credit.

### **College Visits**

Students in grades 9-12 are encouraged to use teacher workdays and other school breaks/holidays as an opportunity to visit college campuses. In the event a student uses a regular school day as a college visit, it will count as an excused absence if the proper documentation is returned to the attendance officer. Documentation from the campus visited will excuse the absence. A maximum of 3 days can be excused to use for college visits and any additional days will be considered unexcused.

### **Final Exams**

Final exams are to be given to all students taking high school courses on designated days and will count 20% of the final year long grade. All high school students are required to take all final exams. A major paper/project may be assigned with prior permission from the department chair and High School Principal. All 9<sup>th</sup>, 10<sup>th</sup>, and 11<sup>th</sup> graders are required to take final exams. Seniors may be exempt from final exams (those not required by the state) in a class if they have a final average of an A (90) or higher and no more than 3 absences for the year or 1 for semester courses. (excused and/or unexcused). All AP courses require senior participation in the final exam. Students will not be able to exempt EOCs or NC Final Exams.

### **Measures of Mastery**

MoMs are to be given to all students taking high school courses on designated days during Quarters 1, 2, and 3. All high school students are required to take MoMs. A major paper/project may be assigned with prior permission from the department chair and High School Principal.

### **Changing or Dropping Courses**

Students are expected to choose their courses carefully to minimize the need to request schedule changes. Students may request a schedule change before the start of school and/or within the **first 10 days of a year-long course and within the first 5 days of a semester course**. Schedule Request Forms are available in the School Counseling office. Schedule changes are subject to approval by the School Counselor or HS Principal and are dependent on the rationale for the change and the available space in other classes. The school (teacher and/or administration) may request a schedule change for a student within the first 15 days of a course. All schedule changes made after the first 10 days will be designated as WP (withdraw passing) or a WF (withdraw failing) on the student's record. A course dropped with a WF will be computed as failing in the grade point average and class rank. Courses dropped before their completion will receive no credit.

### **Minimum Course Requirements**

Students at Union Academy must enroll in their maximum potential of courses each academic year. The Principal must approve any exception to these requirements.

### **Interim Reports**

Communication with parents during the year is a vital part of Union Academy. In addition to formal report cards and progress reports, communication with parents is expected for students not working at or above a C level. Communication can be one or more of the following: progress reports, phone calls, emails, parent-teacher conferences, and written notes. Parents can also access information through the Parent Portal online.

## **Counseling Services**

The High School Counseling Department at Union Academy is committed to providing a comprehensive school counseling program to advocate, collaborate, provide preventative services, and respond to identified students' needs to promote student success at every level. Also, we have a college counseling program with personalized service to the students and their families. The goal is to help students identify colleges and universities that best match their needs, interests and abilities. Students also have the availability to research career options through individual counseling sessions.

## **Credit for Courses**

- One unit of credit will be awarded upon satisfactory completion of a course that satisfies LEA requirements.
- Satisfactory completion means that a student has achieved a passing final course grade (60 or above, with the final exam counting for 20% of the grade).
- The course must follow the guidelines set by the Common Core and Essential Standards, locally developed curriculum guides, or Advanced Placement syllabi.

## **High School Courses taken in Middle School**

State Board of Education (SBE) policy GCS-M-001 allows middle school students (6th, 7th and 8th grade) to take high school courses, either face-to-face or via NC Virtual Public School (NCVPS), and receive credit toward high school graduation requirements, while using only courses taken in high school to calculate the high school Grade Point Average (GPA). Grades earned by students while in middle school shall not be included in students' high school GPA calculation under any circumstances, regardless of how many high school courses a student takes in middle school. Students may use the space created in their high school schedule for other purposes, including taking other more advanced high school courses, or to complete college coursework through Career & College Promise. Furthermore, courses completed in middle school for high school credit will count towards the required four math courses **and** total number of credits.

## **Pass/Fail**

Students are permitted to enroll in one elective course not required for graduation on a Pass-Fail basis per school year. The course may be in addition to courses that use only a Pass-Fail grading system. However, the student must decide within the first two weeks if the course is to be taken on a pass-fail basis. The course will count for credit; however, it will not impact the student's grade point average. P (for pass) or F (for fail) will be entered at each grading period as well as for the final grade for the course. Parent permission is required and forms are available in the School Counseling office.

## **Repeated Course for Credit Grade Suppression**

Based on a policy in the state of North Carolina, high school students will have the opportunity to retake a course – if they have failed or are dissatisfied with their grade. This applies to all courses, including online courses. Once the exact same course is repeated and assuming the student has improved, the new grade will completely suppress the failing grade from both the transcript and the GPA of the student.

### Weighting of Grades and Class Rank

A system of weighting courses is used when determining class rank. This system indicates the degree of difficulty of the courses. A student's rank in class will be calculated with the PowerSchool computer system using grade point averages.

Class of 2019 and after

<b>Grade</b>	<b>CP</b>	<b>Honors</b>	<b>AP</b>
<b>A - 100-90</b>	<b>4</b>	<b>4.5</b>	<b>5</b>
<b>B - 89-80</b>	<b>3</b>	<b>3.5</b>	<b>4</b>
<b>C - 79-70</b>	<b>2</b>	<b>2.5</b>	<b>3</b>
<b>D - 69-60</b>	<b>1</b>	<b>1.5</b>	<b>2</b>
<b>F - 59 &amp; Below</b>	<b>0</b>	<b>0</b>	<b>0</b>

### Graduation Honors

The following honors' designations will be used for graduating seniors.

#### Weighted GPA

TBD

TBD

TBD

#### Designation

summa cum laude

magna cum laude

cum laude

## North Carolina Academic Scholars Endorsement

**Note: Students must take high school courses in 8th grade or take additional courses beyond the regular school day in high school to be eligible for this distinction.**

Students who complete the requirements for an academically challenging high school program will be named North Carolina Academic Scholars and receive the following recognitions:

- Will be designated by the State Board of Education as having achieved an endorsement.
- Will receive a seal of recognition with their diplomas.
- May receive special recognition at graduation exercises and other community events.
- May be considered for scholarships from the local and state business/industrial community or employment opportunities.
- May use this special recognition in applying to post-secondary institutions. (Candidates are identified by the end of grade 11 and their candidacy can be included in application forms and/or transcripts sent to these institutions.)

**Students must have an overall four-year un-weighted grade point average of 3.5, complete all requirements for a NC high school diploma, and complete all of the requirements listed below.**

Credits	Students entering 9 <sup>th</sup> grade in 2012-2013 or later
4	English I, II, III, IV
4	Mathematics (Math I, Math II, Math III and a higher level math course with Math III as a prerequisite)
3	Science (A Physics or Chemistry course, Biology, and an Earth/Environmental course)
4	Social Studies (World History, Civics/Economics, American History I: The Founding Principles and American History II)
1	Health and Physical Education
6	Two (2) elective credits in a second language required for the UNC System. Four (4) elective credits constituting a concentration recommended from one of the following: Career and Technical Education (CTE), JROTC, Arts Education, Second Languages, any other subject area
3	Higher level courses taken during junior and/or senior years which carry 4.5 or 5 quality points such as: -AP -IB -Dual or college equivalent course -Advanced CTE/CTE credentialing courses -On-line courses -Other honors or above designated courses
25	

Math I may be taken in grade 8, but the student must then take Math II and III, and two other advanced math courses in grades 9-12. All courses taken in the NC Academic Scholars program must be college prep level or above (preferably honors or above). **Students participating in the Scholars Program may not enroll in any of the classes required for this program on a pass-fail basis.**

It is the student's responsibility to ensure that the correct courses are taken in order to be eligible for the North Carolina Academic Scholars Endorsement. Students should let their school counselor know if they plan to pursue this award.

[www.ncpublicschools.org/curriculum/scholars](http://www.ncpublicschools.org/curriculum/scholars)

# **2019-2020 Course Offerings**

## Required Graduation Course

### **Cardinal Time/Character Education**

### **Grades 9-12**

This required course prepares students to develop good character habits and good citizenship. Through lessons on Union Academy's core values, teamwork, positive choices, and civic responsibility, students will strengthen their social/emotional skills and behaviors.

Our pledge at Union Academy is "We do the right thing even when no one is looking." We expect all students, parents, faculty, and staff to exhibit honorable behaviors at all times. Students and staff are expected to understand and consistently practice our eight adopted character traits.

To meet the curriculum requirements Union Academy has established on character, all Union Academy high school students are enrolled in a character class. Advisors provide lessons on character, teamwork, making positive choices, and civic responsibility. Additionally, advisors meet with students regarding their academic learning and guide them in their service learning initiatives.

Students also have the opportunity to learn from nationally recognized speakers, members of the community, and former students about the importance of character.

We take pride in the fact that all UA students complete service learning projects both as a part of their advisory/club course and perform 105 hours of community service in order to walk at graduation. Students are required to take the course, it is graded as pass/fail and it is required for graduation from Union Academy.

Developing strong character is so important that we have a Character Counselor whose only focus is to create lessons for the character course and assist advisors in delivering and implementing the curriculum.

In May 2016, Union Academy was recognized as a National School of Character. This designation is a first for a charter school in North Carolina.

Union Academy is the only school in Union County that offers this curriculum and recognition....

# English (4 credits)

To obtain a Union Academy Diploma, a student must pass English I, II, III, and IV.

**English I**                      **1 Credit**                      **Grade: 9**

**Honors English**              **1 Credit**                      **Grade: 9**

**Prerequisites: None**

This course provides a foundational study of literary genres (novels, short stories, poetry, drama, literary non-fiction), to include influential U.S. documents and one Shakespearean play. Interdisciplinary informational writing as well as documented research and speaking and listening skills will be included along with multi-modal presentations.

**Summer reading will be required for this course.**

**English II**                      **1 Credit**                      **Grade: 9-10**

**Honors English II**            **1 Credit**                      **Grade: 10**

**Prerequisites: English I**

English II introduces literary global perspectives focusing on literature from the Americas (Caribbean, Central, South, and North), Africa, Eastern Europe, Asia, Oceania, and the Middle East. Influential U.S. documents and a Shakespearean play will be included. Documented research based on interdisciplinary information texts and literature will comprise the writing, speaking, and listening components of the course along with multi-modal presentations. An End-of-Course test will be administered in English II.

**Summer reading will be required for this course.**

**English III**                      **1 Credit**                      **Grade: 10-11**

**Honors English III**           **1 Credit**                      **Grade: 11**

**Prerequisite: English II**

English III is an in-depth study of U.S. literature and U.S. literary non-fiction especially foundational works and documents from the 17<sup>th</sup> century through the early 20<sup>th</sup> century. At least one Shakespearean play will be included along with inter-disciplinary information writing and multi-modal presentations focusing on speaking and listening skills.

**Summer reading will be required for this course.**

**English IV**                      **1 Credit**                      **Grade: 11-12**

**Honors English IV**           **1 Credit**                      **Grade: 12**

**Prerequisite: English III**

Students will integrate all the language arts skills gained English IV completes the global perspective initiated in English II. Through its focus is on European (Western, Southern, Northern) literature, this course includes important U.S. documents and literature (texts influenced by European philosophy or action). At least one Shakespearean play will be included. Inter-disciplinary information text and multi-modal presentations will encompass the writing.

**Summer reading will be required for this course.**

## **Advanced Placement English**

**AP English Language & Composition      1 Credit**

**Grade: 11**

**Prerequisites: Eng I & Eng II**

Advanced Placement English is college level coursework. Students will become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and will seek to become skilled writers who compose for a variety of purposes. This course is for students who have attained the reading and writing competencies generally expected in introductory level college courses in language and composition.

**AP English Literature & Composition      1 Credit**

**Grade: 12**

**Prerequisites: Eng I, Eng II & Eng III or AP Language & Composition**

Advanced Placement Literature and Composition is a college level course. Students will engage in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. This course is for students who have attained the reading and writing skills generally expected in introductory college courses in composition and literature.

## **English Electives**

**Yearbook I                      1 Credit**

**Grades: 9-12**

**Prerequisites: Application & Teacher Approval**

This course includes planning and production of the school yearbook. Students develop skills in gathering information, writing copy and captions, understanding components of quality photography, copy editing skills, and techniques of headlines.

**Yearbook II                      1 Credit**

**Grades: 10-12**

**Prerequisites: Yearbook I**

Students will take on more leadership roles in producing the yearbook.

**Honors Yearbook III      1 Credit**

**Grades: 11-12**

**Prerequisites: Yearbook I & II**

Students will be required to have a leadership role in producing the yearbook.

**Honors Yearbook IV      1 Credit**

**Grade: 12**

**Prerequisites: Yearbook I, II & III**

Students will be required to have a leadership role in producing the yearbook.

**Film as Literature      1 Credit (Semester Long)      Grades: 10-12**

Students are introduced to selected literary genres and their film adaptations to investigate how and what ideas, values and concepts are connected through film. In analyzing film, students will examine elements of plot, setting, style, and point of view. Class activities include viewing, listening, researching and analyzing film. District film policy requires parental permission before students can participate in the classroom viewing.

**Media Literacy (TMC) Honors                      1 Credit      Grades 10-12**

Students will apply production techniques while creating multimedia projects and/or school news broadcast over closed circuit networks. Topics include script writing, identification of media bias, graphics production, visual advertising, and digital/video editing.

**Teacher recommendation required.**

**Research & Leadership Honors      1 Credit (Semester Long)      Grades: 9-12**

The objectives for the Research Methods course are to conduct relevant and meaningful research on a topic with the goal of gaining an in depth understanding of a specific idea and to produce research products in multiple media formats for various audiences. Students will craft an essential question, define a scope of inquiry, write working and final thesis statements, identify credible vs. non-credible sources, organize the search and information capture, draft and revise, cite in MLA, APA, Chicago, and AMA format styles, and demonstrate the ability to effectively utilize research in writing to answer a question or solve a problem by synthesizing multiple sources on the subject in order to create an original and authentic research product

# Mathematics (4 Credits)

To obtain a Union Academy Diploma, a student must pass Math I, Math II, Math III and a higher level math with Math III as a prerequisite.

## **Math I            1 Credit            Grade: 9**

Math I is the study of algebraic concepts designed to engage students in a variety of mathematical experiences that include the use of reasoning and problem solving skills, which may be applied to life situations beyond the classroom setting. This course serves as the cornerstone for all high school mathematics courses; therefore, all subsequent mathematics courses require student mastery of the Math I content standards. Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

**Graphing Calculator Required (TI-83 or above)**

## **Math II            1 Credit            Grades: 9-10**

**Honors Math II 1 Credit            Grades: 9-10**

**Prerequisites: Math I**

Math II continues a progression of the standards established in Math I. In addition to these standards, Math II includes polynomials, congruence and similarity of figures, trigonometry with triangles, modeling with geometry, probability, making inferences and justifying conclusions.

**Graphing Calculator Required (TI-83 or above)**

## **Math III            1 Credit            Grades: 9-11**

**Honors Math III 1 Credit            Grades: 9-11**

**Prerequisites: Math I and Math II**

Math III progresses from the standards learned in math I and Math II. In addition to these standards, Math III extends to include algebraic concepts such as the complex number system, inverse functions, trigonometric functions and the unit circle. Math III also includes the geometric concepts of conics and circles.

**Graphing Calculator Required (TI-83 or above)**

## **Advanced Functions & Modeling            1 Credit**

**Honors Advanced Functions & Modeling 1 Credit**

**Grades: 10-12**

**Prerequisites: Math III or Algebra II**

This course provides an in-depth study of modeling and applying functions. It reinforces algebraic skills through the use of application problems, technology and mathematical modeling. The use of manipulatives, calculators, and application software is expected. **Graphing Calculator Required (TI-83 or above)**

## **Pre-Calculus Honors    1 Credit    Grades: 10-12**

**Prerequisites: Math III or Algebra II**

Pre-Calculus should be taken by students who intend to continue their study of mathematics and/or science beyond the high school level. It is a **PREREQUISITE** for AP Calculus. Course studies provide a complete study of trigonometry, as well as advanced algebra topics, analytic geometry, sequences and series, and data analysis. Applications and modeling are included throughout the course.

**Graphing Calculator Required (TI-83 or above)**

## **Advanced Placement Math**

**AP Statistics**                      **1 Credit**                      **Grades: 11-12**

**Prerequisite: AFM or Pre-Calculus Honors or Math III with teacher discussion/recommendation**

This course introduces the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students observe patterns and departures from patterns, produce and confirm models using probability and simulation. **Purchase of AP Statistics workbook (may be required) and Graphing Calculator Required (TI-83 or above)**

**AP Calculus AB**                      **1 Credit**                      **Grades: 11-12**

**Prerequisite: Pre-Calculus Honors**

A study of the concepts of calculus including functions, graphs, limits, derivatives and integrals and provides experience with its methods and applications.

**AP Calculus BC**                      **1 Credit**                      **Grade: 12**

**Prerequisite: AP Calculus AB**

This is an Advanced Placement course with an emphasis on functions, elements of analytic geometry, limits, differentiation of algebraic functions, applications of differentiation, integration, and trigonometric and exponential functions. Students enrolled in this course are required to take the AP Calculus exam.

**Purchase of AP Calculus workbook (may be required) and Graphing Calculator Required (TI-83 or above)**

# Science (4 credits)

To obtain a Union Academy Diploma, a student must pass a physical science course, Biology and an Earth/Environmental course.

**Earth/Environmental Science**                      1 Credit                      Grades: 9-12

**Honors Earth/Environmental Science**       1 Credit                      Grades: 9-12

The curriculum standards for this course focus on the earth's systems, structures and processes, and the earth's role in the universe.

**Biology I**    1 Credit                      Grades: 10-12

**Honors Biology I**                                   1 Credit                      Grades: 10-12

**Prerequisite: Math I**

The curriculum standards focus on inquiry-based instruction in the structures and functions of living organisms, ecosystems, evolution and genetics, and molecular biology.

**Physical Science**                      1 Credit (Semester Long)       Grades: 11-12

**Prerequisite: Math I (Algebra I)**

The Physical Science curriculum standards integrate topics from both physics and chemistry in an inquiry-based instructional setting.

Topics include: properties and changes of matter, motion and forces, and conservation and transfer of energy.

**Chemistry I**     1 Credit                      Grades: 10-12

**Honors Chemistry I**                              1 Credit                      Grades: 10-12

**Co-requisite: Math III Prerequisite: Biology I**

This laboratory course in inorganic chemistry includes inquiry-based instruction related to the properties and changes of matter, conservation and transfer of energy, and interactions of energy and matter.

**Honors Physics**                      1 Credit       Grades 11-12

**Co or Prerequisite: Math III**

This is an inquiry based laboratory course covering topics in mechanics, kinematics, dynamics, energy, work, power, waves, and electromagnetism. Physics is an essential course for students to pursue a science or mathematics related major or minor in college.

## Advanced Placement Science

**AP Biology**     1 Credit                      Grades: 11-12

**Prerequisites: Biology I & Chemistry I**

AP Biology concentrates on three general areas: molecules and cells; heredity and evolution; organism and population.

**AP Chemistry**                      1 Credit                      Grades: 11-12 (Not Offered in 2019-2020)

**Prerequisites: Honors Chemistry I**

This course is designed to be the equivalent of a two-semester college introductory chemistry course. The course concentrates in the following areas: structure of matter, states of matter, reactions, and descriptive chemistry.

**AP Physics 1**                      1 Credit                      Grades: 11-12 (If you are interested, please see your school counselor.)

**Prerequisites: Math III**

This course is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits.

**AP Environmental Science**                      1 Credit       Grades 10-12

**Prerequisite: Biology Honors**

The AP Environmental Science course is designed to be the equivalent of a one-semester, college introductory environmental science. Topics include: earth systems; population dynamics; natural resources; and global changes. This course fulfills the Earth Science requirement for graduation.



# Social Studies (4 Credits)

In order to obtain a Union Academy Diploma, a student must pass World History, Civics & Economics, American History I and American History II.

**Note:** AP US History can be substituted for American History I and II but it only counts as 1 credit. This means that the student must take an additional social studies course.

**World History**                      **1 Credit**                      **Grade: 9**

**World History Honors**    **1 Credit**                      **Grade: 9**

This course addresses the six periods in the study of World History, with a key focus of study from the mid-15<sup>th</sup> century to present and focuses around a basic core of chronologically-organized events in history. Students will study major turning points that shaped the modern world as well as focusing on recurring concepts such as civilization, revolution, government, economics, war, stability, movement, technology, etc.

**American History I**                                      **1 Credit**                                      **Grade: 10**

**American History I Honors**                                      **1 Credit**                                      **Grade: 10**

**American History I Honors Accelerated**    **1 Credit (Semester Long)**                                      **Grade: 10**

This course begins with European exploration of the new world and concludes with Reconstruction. Students will examine the historical and intellectual origins of the United States from European exploration and colonial settlement to the Revolutionary and Constitutional eras. Students will learn about important political and economic factors that contributed to the development of colonial America and the outbreak of the American Revolution as well as the consequences of the Revolution, including the writing and key ideas of the U.S. Constitution. The course will guide students as they study the establishment of political parties, America's westward expansion, the growth of sectional conflict, how sectional conflict led to the Civil War, and the consequences of the Civil War, including Reconstruction.

**American History II**                                      **1 Credit**                                      **Grade: 11**

**American History II Honors**                                      **1 Credit**                                      **Grade: 11**

**American History II Honors Accelerated**    **1 Credit (Semester Long)**                                      **Grade: 10-11**

**Prerequisite: American History I**

This course examines the political, economic, social and cultural development of the United States from the end of the Reconstruction era to present times. The Essential Standards for this course will trace the change in the ethnic composition of American society, the movement toward equal rights for racial minorities and women, and the role of the United States as a major world power. An emphasis is placed on the expanding role of the federal government and federal courts as well as the continuing tension between the individual and the state. The desired outcome of this course is for students to develop an understanding of the cause-and-effect relationship between past and present events, recognize patterns of interactions, and understand the impact of events on the United States in an interconnected world.

**Civics & Economics**                                      **1 Credit**                                      **Grade: 12**

**Civics & Economics Honors**                                      **1 Credit**                                      **Grade: 12**

**Civics & Economics Honors Accelerated**    **1 Credit (Semester Long)**                                      **Grade: 11-12**

**Prerequisite: World History**

This course provides a framework for understanding the basic tenets of American democracy, practices of American government as established by the United States Constitution, basic concepts of American politics and citizenship and concepts in macro and micro economics and personal finance. The Essential Standards for this course are organized under three strands – Civics and Government, Personal Financial Literacy and Economics.

## **Advanced Placement Social Studies**

**AP World History**                      **1 Credit**      **Grade: 9, 12**

**Prerequisite: None**

This course helps students develop a greater understanding of the evolution of global processes and contacts in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills.

**AP US History**                      **1 Credit**      **Grades: 10-12 (offered via NCVPS only)**

**Prerequisite: World History**

This course surveys American history from the colonial period to the present with emphasis on the 19<sup>th</sup> and 20<sup>th</sup> centuries. Students will investigate social, cultural, political, and economic trends and how these have impacted the development of the United States. This course satisfies the American History I and II graduation requirement; however an additional social studies course is required for students choosing to take AP U.S. History.

**AP Psychology**                      **1 Credit**      **Grades: 11-12 (offered via NCVPS only)**

**Prerequisites: none**

AP Psychology is designed to be the equivalent of a one-semester, college level course. AP Psychology introduces the systemic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology.

## **Social Studies Electives**

**Psychology**                      **1 Credit (Semester Long)**      **Grades: 10-12**

**Psychology Honors**                      **1 Credit (Semester Long)**      **Grades: 10-12**

Psychology engages students in the understanding, articulation, and dissemination of psychology as a science. Students are introduced to psychology, with a focus on the scientific study of human development, learning, motivation, and personality. It emphasizes the empirical examination of behavior and mental processes and it infuses perspective fostering students' growth, development, and understanding of cultural diversity. Students of psychology acquire information from a variety of sources, use information as they make decisions and evaluations, and solve problems. The study of psychology enables students to recognize and cope with uncertainty and ambiguity in human behavior.

**Sociology**                      **1 Credit (Semester Long)**      **Grades: 10-12**

**Sociology Honors**                      **1 Credit (Semester Long)**      **Grades: 10-12**

This course is designed to give students the tools necessary to concentrate on the systematic study of human society and human interaction. Students will develop a sociological imagination in which they will observe the connections between their personal lives within society, as well as public policy issues. Using observation, the scientific method, and cross-cultural examination, students will discover how patterns of behavior develop, culture is learned, and social predictions are made.

# World Languages

To obtain a Union Academy Diploma, a student must complete 2 credits in the same World Language

## **Spanish I                      1 Credit        Grades: 9-12**

Spanish I is an introduction to the study of a second language through the four skills of listening, speaking, reading, and writing. Culture, geography, and grammar are integrated into the course.

## **Spanish II                      1 Credit        Grades: 9-12**

### **Prerequisite: Spanish I**

Students continue the development of their listening, speaking, reading, and writing skills as they study past, present and future time. Culture, geography and grammar are studied in greater depth.

## **Spanish III Honors        1 Credit        Grades: 9-12**

### **Prerequisite: Spanish II**

Students expand their listening, speaking, reading, and writing skills as they study past, present and future time. Art, music and literature of the culture are presented. In-depth grammatical study begins. Classes are conducted primarily in Spanish.

## **Spanish IV Honors        1 Credit        Grades: 10-12**

### **Prerequisite: Spanish III**

This course teaches students to communicate in writing and in extended conversations on a variety of topics. Students begin to narrate, discuss, and support fairly complex ideas and concepts using concrete facts and topics.

## **Spanish V Honors        1 Credit        Grades: 11-12**

### **Prerequisite: Spanish IV**

This course further refines the student's oral proficiency, listening comprehension, and writing skills. Advanced grammar and vocabulary are studied in the context of literature, with selections from many of the best-loved Spanish and Latin American writers.

## **Advanced Placement World Language**

### **AP Spanish Language and Culture        1 Credit        Grade: 12**

#### **Prerequisite: Spanish V & Teacher Recommendation**

AP Spanish emphasizes the use of language for active communication. Students develop language skills (reading, writing, listening, and speaking) at a college level. The course follows the curriculum set forth by the College Board.

# Arts Education

(see graduation requirements for grade specific information)

## VISUAL ARTS

**Visual Arts I (Beginning) 1 Credit (Semester Long) Grades: 9-12**

This course introduces the basic elements of art and principles of design. The course is primarily devoted to deliberate and systematic presentations of various art processes, procedures, theories, and historical developments.

**Visual Arts II (Intermediate) 1 Credit Grades: 10-12**

**Prerequisite: Visual Arts I (Beginning)**

This course builds on the foundation of knowledge developed in Beginning Visual Arts. Students research art and artists to gain knowledge and understanding of past and present art forms.

**Visual Arts III (Proficient) Honors 1 Credit Grades: 11-12**

**Prerequisites: Visual Arts II (Intermediate)**

This course provides knowledge of the arts in relation to culture, history, other disciplines and careers. Art history, criticism, and aesthetics will be studied in order for students to develop a personal art philosophy.

**Visual Arts IV (Advanced) Honors 1 Credit Grade: 12**

**Prerequisites: Visual Arts III (Proficient)**

Students will develop, clarify, and apply their philosophy of art through in-depth, independent, and advanced exploration with media, techniques, processes, and aesthetics. A portfolio evidencing high quality and understanding of personal art forms is developed and refined.

**Digital Media I (Beginning) 1 Credit (Semester Long) Grades: 9-12**

**Prerequisite: None**

This course provides students with knowledge and skills in the overall digital media design field. Areas covered in this course include photography, graphic design, video, and web design. Students engage in hand-on experiences to not only learn the different media, but how to use them to develop products.

**Requirements: DSLR camera AND External Hard Drive - 250 GB or higher**

**Digital Media II (Intermediate) 1 Credit Grades: 10-12**

**Prerequisite: Digital Media I**

This course provides students with more advanced knowledge in the digital and interactive media industry. Emphasis is placed on advanced editing techniques in photography, graphic design, video, and web design.

**Print Shop Entrepreneurship Honors 1 Credit Grades: 11-12**

**Prerequisites: Digital Media/Foundations of Business**

Print Shop Entrepreneurship is a partnership between the Business and Art Departments. Students will have the opportunity to gain real world experience in graphic design, print, and business sectors. Our goal at UA is to make the print shop a real business. Some of examples of print would be buttons, banners, brochures, letterhead, postcards, invites, business cards, booklets, and so much more. This class will give you a whole new perspective in the print industry. Print Shop Entrepreneurship will also provide one or more services including photocopying, offset printing, screen printing or digital printing, offering diverse product lines such as personal and commercial paper printing, logos, signage, posters and promotional goods

**Pottery/Ceramics I (Beginning)                      1 Credit                      Grades: 9-12**

**Prerequisite: None**

This course is an introductory survey of clay and its position and purpose in art. Students will learn hand-building techniques with low-fire clay. Emphasis is on the use and application of design vocabulary and on the use of Elements and Principles in work created by the student. Students will explore the context of ceramics in our world and begin to develop critical responses.

**Pottery/Ceramics II (Intermediate)                      1 Credit                      Grades: 10-12**

**Prerequisites: Pottery/Ceramics I**

This course is a continuation of skill development in ceramic techniques. Students will create more complex artworks and begin the study of glazing. While projects are still defined by the teacher, students will be responsible for taking a personal approach to their work. Conducting critiques, evaluating works of art, and examining the economics of ceramics is explored.

**Pottery/Ceramics III (Proficient) Honors                      1 Credit                      Grades: 11-12**

**Prerequisites: Pottery/Ceramics II**

This course is a continuation of study and experience in low-fire ceramics. Students will create a portfolio of ceramic work that showcases technical skill and personal style. Glazing and firing techniques will be investigated. The processes of critiquing, evaluating works of art and examining ceramics in a cultural and historical context will be conducted.

**Pottery/Ceramics IV (Advanced) Honors                      1 Credit                      Grades: 11-12**

**Prerequisites: Pottery/Ceramics III**

This course focus is the development of a personal voice and aesthetic in creating ceramic art. The advanced student must be self-directed and actively take ownership of their portfolio. Students will engage in personal and peer; formal and informal; oral and written critiques. Maintaining an artistic journal which includes the student's artistic statement and reflection is required. Students will be expected to exhibit their art.

**Advanced Placement Art**

**AP Studio Art: 2D Design                      1 Credit                      Grades: 12**

**Prerequisites: Visual Arts II (Intermediate)**

This course involves two-dimensional design that involves purposeful decision-making about how to use art elements and principles. It is intended for highly motivated students interested in the study of art. Students submit actual works and digital images of works for 2D Design Portfolios, as well as an artist statement in which they describe ideas investigated and explain how the ideas evolved as they created their body of work

**AP Studio Art: 3D Design                      1 Credit                      Grades: 12**

**Prerequisites: Visual Arts II (Intermediate)**

This course involves three-dimensional design that is intended to address a broad interpretation of sculptural issues in depth and space. It is intended for highly motivated students interested in the study of art. Students submit digital images of the art works they created, as well as an artist statement in which they describe ideas investigated and explain how the ideas evolved as they created their body of work.

**AP Studio Art: Drawing                      1 Credit                      Grades: 12**

**Prerequisites: Visual Arts III (Proficient)**

The AP Program in Studio Art is intended for highly motivated students who are seriously interested in the study of art. The three main areas of focus are quality of students' work, concentration on a particular visual interest or problem, and breadth of experience in the formal, technical, and expressive means of the artist, as well as an artist statement in which they describe ideas investigated and explain how the ideas evolved as they created their body of work.

## THEATRE ARTS

### **Theatre Arts I (Beginning)                    1 Credit (Semester Long/Year Long)                    Grades: 9-12**

This is an introductory course for students with little or no theatre arts experience. The course focuses on essential theatre arts vocabulary and the creative process. The fundamentals of speaking, acting, and vocal expression are applied. Students learn fundamental pantomime skills and how to apply the elements of improve in the performance of simple scenes and stories. They explore and analyze formal and informal theatre productions and develop the ability to identify basic technical elements of theatrical production.

### **Theatre Arts II (Intermediate)    1 Credit                    Grades: 10-12**

#### **Prerequisites: Theatre Arts I (Beginning)**

In this course, students explore the use of body language to express human motivations through improvisation. They are able to execute basic acting fundamentals of projection, articulation and vocal expression. Intermediate students analyze dramatic literature including, but not limited to, the 6 elements of Aristotle. They are able to illustrate technical elements of theatrical productions and identify links between storytelling traditions and cultural growth. Participation in after-school rehearsals and performances is expected.

### **Theatre Arts III (Proficient) Honors    1 Credit                    Grades: 11-12**

#### **Prerequisite: Theatre Arts (Intermediate)**

This course consists of advanced individualized work in a seminar style course with an emphasis on in-depth research, analysis, application, and production

### **Theatre Arts IV (Advanced) Honors    1 Credit                    Grade: 12**

#### **Prerequisite: Theatre Arts (Proficient)**

Course builds on Theatre Arts Proficient and includes student collaboration with directors and designers to develop unified production concepts for informal and formal theatre, film, television, or electronic media productions.

### **Theatre Specialization I (Beginning)                    1 Credit (Semester Long/Year Long)                    Grades: 9-12**

### **Theatre Specialization II (Intermediate)                    1 Credit                    Grades 10-12**

#### **Prerequisite: Theater Arts I & Instructor Approval**

### **Theatre Specialization III (Proficient) Honors    1 Credit                    Grades: 11-12**

#### **Prerequisite: Theater Arts II & Instructor Approval**

### **Theatre Specialization IV (Advanced) Honors    1 Credit                    Grade: 12**

#### **Prerequisite: Theater Arts III & Instructor Approval**

This course provides for the continued growth and development of the students' acting and technical skill through studying and producing three productions for public performance. Content maintains writing skills through preparation of character analyses and the performance critiques. Students will participate in after school rehearsal on the days prior to performance.

## **BAND/VOCAL MUSIC**

### **Band I (Beginning) 1 Credit Grades: 9-12 Prerequisite: Middle School Band**

Band I is designed to give all participants knowledge of their instrument, knowledge of the fundamentals of basic music theory, and a working knowledge of band literature.

### **Band II (Intermediate) 1 Credit Grades: 10-12**

#### **Prerequisites: Completion of Beginning Band or recommendation of Band Director.**

This course continues to build on the content learned in Beginning Band. Students will be provided with opportunities to develop and demonstrate appropriate instrumental practices to include the playing of instrumental literature which may include changes in tempo, keys, and meters.

### **Band III (Proficient) Honors 1 Credit Grades: 11-12**

#### **Prerequisites: Completion of Intermediate Band or recommendation of Band Director.**

This course will provide students with an understanding of music in relation to styles of music, music periods, composers, and various cultures. Performance difficulty will be at Levels IV – V for Honors

### **Band IV (Advanced) Honors 1 Credit Grade: 12**

#### **Prerequisites: Completion of Proficient Band or recommendation of Band Director.**

This course involves the development of highly advanced proficiencies, including sight reading. Honors students will be at a performance difficulty of Level VI music.

### **Orchestra I (Beginning) 1 Credit Grades: 9-12**

Orchestra is designed to give all participants knowledge of their instrument, knowledge of the fundamentals of basic music theory, and a working knowledge of orchestra literature.

### **Orchestra II (Intermediate) 1 Credit Grades 10-12**

#### **Prerequisite: Orchestra I**

Orchestra is designed to give all participants knowledge of their instrument, knowledge of the fundamentals of basic music theory, and a working knowledge of orchestra literature.

### **Vocal Music I (Beginning) 1 Credit (Semester Long/Year Long) Grades: 9-12**

This introductory course is for students interested in singing. Students study the fundamental skills of music, sight-singing, proper vocal production, and vocal health. Choral music study involves listening, describing, and evaluating music. Students also study basic vocal health and wellness issues. Participation in after-school rehearsals and performances is expected.

### **Vocal Music II (Intermediate) 1 Credit Grades: 10-12**

#### **Prerequisites: Completion of Vocal Music I or recommendation of Choral Director.**

This course includes students of varied vocal talents and abilities. Students should have a general understanding of music theory and notation, sight-reading, and a willingness to sing actively each day. Students perform a variety of music ranging from historical choral literature to the music of today. Participation in after-school rehearsals and performances is expected.

### **Vocal Music III (Proficient) Honors 1 Credit Grades: 11-12**

#### **Prerequisites: Completion of Vocal Music II or recommendation of Choral Director.**

### **Music Theory Honors 1 Credit (Semester Long) Grades: 9-12**

#### **Prerequisite: Ability to read basic music.**

In this course, students learn how to read, write, and analyze music in preparation for music theory courses in college or as they enjoy music through life. Music Theory is designed for the advanced musician to more thoroughly understand the components of music. It is preferred that students have taken a music ensemble (Band, Chorus, or Orchestra) before taking music theory, but it is not required.

# Health/Physical Education (1 Credit)

To obtain a Union Academy Diploma a student must pass Health/Physical Education.

## **Health/Physical Education**

**1 Credit (Semester Long)**

### **Grades: 9-12**

This healthful living course incorporates topics from the areas of both health education and physical education: motor skills development; movement concepts, health-related fitness; persona/social responsibility; mental & emotional health; personal & consumer health; interpersonal communication and relationships; nutrition & physical activity; and alcohol, tobacco & other drugs.

## **Physical Education Electives**

### **Weight Training**

**1 Credit (Semester Long)**

**Grades: 10-12**

This course is designed to improve student proficiency in many areas of physical fitness but stresses weight training as a means of improving overall strength. It includes daily vigorous physical activity as well as classroom instruction.

# Business and Information Technology Education

## **Foundations of Business**

**1 Credit (Semester Long)**

**Grades: 9-12**

Students will learn the language of business while forming a foundation of core business knowledge in: management, marketing, finance, business law, operations, human resources, accounting, and entrepreneurship. Students will explore their entrepreneurial spirit as they complete marketing and entrepreneurship projects and compete in stock market, personal finance and life skills competitions.

## **Foundations of Business (Honors)**

**1 Credit (Semester Long)**

**Grades: 9-12**

Students will learn the language of business while forming a foundation of core business knowledge in: management, marketing, finance, business law, operations, human resources, accounting, and entrepreneurship. Students will explore their entrepreneurial spirit as they complete marketing and entrepreneurship projects and compete in stock market, personal finance and life skills competitions. Two research projects and a required job shadow report are required at the honors level.

## **Fiscal Management**

**1 Credit**

**Grades: 10-12**

This a great class for juniors and seniors who are getting ready to head out into the “real world.” We will explore concepts in earning, saving, spending, borrowing, investing and giving. Topics will include: paying for college, buying a vehicle, living on a budget, renting an apartment, purchasing a home, credit and credit scores and gaining employment. We will also explore money saving strategies for young adults and focus on general life skills necessary for living independently. Students will complete a mock version of various forms they will encounter in the real world such as: W4, 1040EZ, I9, FAFSA, employment applications, credit applications, etc.

## **Fiscal Management (Honors)**

**1 Credit**

**Grades: 10-12**

This a great class for juniors and seniors who are getting ready to head out into the “real world.” We will explore concepts in earning, saving, spending, borrowing, investing and giving. Topics will include: paying for college, buying a vehicle, living on a budget, renting an apartment, purchasing a home, credit and credit scores and gaining employment. We will also explore money saving strategies for young adults and focus on general life skills necessary for living independently. Students will complete a mock version of various forms they will encounter in the real world such as: W4, 1040EZ, I9, FAFSA, employment applications, credit applications, etc. Two research projects and a required job shadow report are required at the honors level.

## **Print Shop Entrepreneurship Honors**

**1 Credit**

**Grades: 11-12**

### **Prerequisites: Digital Media/Foundations of Business**

Print Shop Entrepreneurship is a partnership between the Business and Art Departments. Students will have the opportunity to gain real world experience in graphic design, print, and business sectors. Our goal at UA is to make the print shop a real business. Some of examples of print would be buttons, banners, brochures, letterhead, postcards, invites, business cards, booklets, and so much more. This class will give you a whole new perspective in the print industry. Print Shop Entrepreneurship will also provide one or more services including photocopying, offset printing, screen printing or digital printing, offering diverse product lines such as personal and commercial paper printing, logos, signage, posters and promotional goods.

# Agricultural Electives

## **Agriscience Applications                      1 Credit (Semester Long)                      Grades 9-12**

This beginning or introductory level course is for high school students interested in Agriculture or an Agricultural related topic or career.. Topics of instruction include: Animal Science, Plant Science, Aquaculture, Fish and Wildlife Management, Soil and Water Science, Forestry, Agricultural Mechanics/Engineering, Biotechnology, Leadership and FFA. Emphasis is placed on demonstrating the diversity of the Agricultural Industry as well as the opportunities and career pathways available to students who choose to pursue an Agriculture related career following graduation.

## **Animal Science I                                      1 Credit (Semester Long)                      Grades 9-12**

This course is for students who want to learn more about animals and animal related careers. Animal Science I focuses on the basic scientific principles and processes related to the growth, production, care, maintenance, husbandry and management of animals (particularly livestock and domesticated farm animals). Topics of instruction include but are not limited to: Animal Nutrition, Selection and Evaluation, Marketing, Reproduction, Functions, By-Products, Anatomy and Physiology, Breeds, Terminology, Career Opportunities and Leadership

## **Animal Science II Honors                      1 Credit (Semester Long)                      Grades 9-12**

### **Prerequisite: Animal Science I**

Animal Science II builds upon the scientific knowledge and skills developed in Animal Science I to include more advanced development of scientific, critical thinking, logic, problem solving and decision making skills. This course takes more of a “hands-on” approach to learning where students have the opportunity to complete labs and work with live animals (when available). Topics of instruction include but are not limited to: Animal Nutrition, Animal Reproduction, Genetics, Animal Health, Facilities, Animal Production and Management, Waste Management, Leadership, Marketing and Animal Production Systems.

## **Equine Science I                                      1 Credit (Semester Long)                      Grades 9-12**

This course focuses on the scientific principles and processes associated with the growth, production, care, maintenance, husbandry and management of horses, ponies, mules and donkeys. Topics of instruction include: Introduction to Equine Science, Equine Terminology, Equine Breeds, Equine Colors/Markings, Equine Anatomy and Physiology, Tack and Equipment, Basic Selection and Evaluation, Career Opportunities, Leadership and FFA.

## **Equine Science II Honors                      1 Credit (Semester Long)                      Grades 9-12**

### **Prerequisite: Equine Science I**

Equine Science II builds upon the scientific principles and skills developed in Equine Science I to include more advanced development of scientific, critical thinking, logic and reasoning skills. Topics of instruction include: Equine Nutrition, Equine Reproduction, Equine Selection and Evaluation, Gaits and Movement, Leadership, Equine Husbandry, Management and Equine Health.

## **Horticulture    1 Credit (Semester Long)                      Grades 9-12**

This course provides instruction on the broad field of horticulture, as well as managing trees and other organisms on public or private land. Topics include plant growth and development, plant nutrition, basic plant identification, pest management, chemical disposal, customer relations. Natural resources (forestry) topics include wood products, water quality, resources and planning, recreation and carbon storage.

# Additional Electives

**Career and College Promise (CCP) Program**  
**South Piedmont Community College 1 Credit**  
**Grades: 11-12**

Eligibility is based on GPA and test scores. Please discuss with your school counselor.

**Distance Learning-NC Virtual Public School (NCVPS) Grades: 10-12**  
**Prerequisites: approval by School Counselor**

Students must discuss course selections with their school counselor. NCVPS course listings, descriptions, and the prerequisites necessary for taking NCVPS courses can be found at [www.ncvps.org](http://www.ncvps.org).

**UA Internship 1 Credit (Semester Long) Grades: 11-12**

The **Union Academy Internship** experience is a semester course which provides juniors and seniors with relevant, real world experiential opportunities in a professional working environment. The intended goal is to prepare students to be college and career ready by teaching leadership, service, communication and life skills. An internship is a pre-professional in-house experience (non-paying) for UA students to work and learn in a career field of interest. By completing an internship, students will develop the knowledge and skills employers seek in this competitive job market. Internships are viewed as a form of experiential education that allow students to apply what they have learned to real work situations and build on their skills. Students can take Internship a maximum of four times.

All interns will participate in a Training Seminar within the first two weeks of the semester in which they will learn the workplace skills of professionalism, ethics, communication, teamwork, and etiquette. Throughout the year, the internship adviser will evaluate the student in the workplace as well as the immediate departmental supervisor.

# SPCC

## CTE Pathways

**This is a sample of course offerings through SPCC. There are additional Pathways available.**

### **Basics of Advertising and Graphic Design CTE Certificate (C30100PA)**

GRD 141 Graphic Design I	4 hours
GRD 142 Graphic Design II	4 hours
GRD 151 Computer Design Basics	3 hours
GRD 152 Computer Design Techniques	3 hours
<b>Total</b>	<b>14 hours</b>

### **Nurse Aide CTE Certificate (C45840PA)**

CIS 110 Introduction to Computers (T)	3 hours
NAS 101 Nurse Aide I	6 hours
NAS 102 Nurse Aide II	6 hours
<b>Total</b>	<b>15</b>

### **Early Childhood Education CTE Certificate (C55220PA)**

EDU 119 Intro Early Childhood Education	4 hours
EDU 144 Child Development I	3 hours
EDU 145 Child Development II	3 hours
EDU 151 Creative Activities	3 hours
<b>Total</b>	<b>13</b>

### **Criminal Justice Tech CTE Certificate (C55180PA)**

CJC 111 Introduction to Criminal Justice (T)	3 hours
CJC 113 Juvenile Justice	3 hours
CJC 131 Criminal Law	3 hours
CJC 221 Investigative Principles	4 hours
<b>Total</b>	<b>13</b>

### **Medical Office Administration CTE Certificate (C25310PA)**

CIS 110 Introduction to Computers (T)	3 hours
MED 121 Medical Terminology I	3 hours
MED 122 Medical Terminology II	3 hours
OST 148 Medical Coding, Billing & Insurance	3 hours
<b>Total</b>	<b>12</b>

### **Basic Welding Certificate (C50420PB)**

WLD 110 Cutting Processes	2 hours
WLD 115 SMAW (Stick) Plate	5 hours
WLD 121 GMAW (MIG) FCAW/Plate	4 hours
WLD 141 Symbols & Specifications	3 hours
<b>Total</b>	<b>14</b>

## Union Academy Graduation Requirements for Class of 2020 & 2021

Student Name: \_\_\_\_\_ Grade Level in 2019-2020: \_\_\_\_\_

Please use this worksheet as a tool to track completion of your graduation requirements to date (using your transcript). This exercise will also illuminate your remaining requirements and credits.

4 English				4 Social Studies				4 Math								
			Grade Level	Mark				Grade Level	Mark				Grade Level	Mark		
*English I	CP	Honors	_____	_____	*Choose one:					*Math I	CP	_____	_____			
*English II	CP	Honors	_____	_____	<i>World History</i>	CP	Honors	_____	_____	*Math II	CP	Honors	_____	_____		
<b>*Choose one:</b>					<i>AP World History</i>					*Math III	CP	Honors	_____	_____		
<i>English III</i>	CP	Honors	_____	_____	**Am. History I	CP	Honors	_____	_____	<b>*Choose one:</b>						
<i>AP Eng Lang/Comp</i>			_____	_____	**Am. History II	CP	Honors	_____	_____	<i>AFM</i>	CP	_____	_____			
<b>*Choose one:</b>					<b>OR</b>					<i>Pre-Calculus Honors</i>		_____	_____			
<i>English IV</i>	CP	Honors	_____	_____	**AP US History		_____	_____		<i>AP Statistics</i>		_____	_____			
<i>AP Eng Lit/Comp</i>			_____	_____	**_____		_____	_____				_____	_____			
					*Civics:	CP	Honors	_____	_____							
<b>4 Sciences</b>				<b>2 World Language</b>				<b>1 Health/PE</b>								
			Grade Level	Mark				Grade	Mark				Grade Level	Mark		
<b>*Choose one:</b>										*PE/Health						
<i>Earth/Env</i>	CP	Honors	_____	_____	*_____ I		_____	_____								
<i>AP Env Science</i>			_____	_____	*_____ II		_____	_____								
*Biology	CP	Honors	_____	_____	<b>2 credits in the SAME language</b>											
<b>*Choose one:</b>																
<i>Physical Science</i>			_____	_____												
<i>Chemistry</i>	CP	Honors	_____	_____												
<i>Physics Honors</i>			_____	_____												
*4th Science			_____	_____												
<b>HS Credits Earned</b>				<b>Community Service</b>				<b>4 Elective Credits</b>								
MS			_____							2 Credits must be in the SAME concentration						
9th			_____		9th		_____									
10th			_____		10th		_____									
11th			_____		11th		_____									
12th			_____		12th		_____									
<b>Total</b>			_____		<b>Total</b>		_____									
Minimum of 23 credits needed for Graduation				105 Hours Minimum												

\* Required for Graduation

\*\* Students may take American History I & II or AP US History. An additional social studies course is required if taking AP US History.

**IMPORTANT: Please see the opposite side. Complete the form, including signatures. Return by February 15, 2019!**



## 2019-2020 Course Requests

Student Name: \_\_\_\_\_

Grade Level in 2019-2020: \_\_\_\_\_

Please select **9 total courses** (6 will be primary and 3 will be alternates). Consider courses that will provide you with a challenging and successful educational experience at Union Academy. It is recommended that you refer to the Union Academy High School Course Planning Guide for course descriptions, grade level, and prerequisite/corequisite requirements.

Note: Honors level courses require either a teacher recommendation OR parent waiver (see your school counselor). AP level courses require the recommendation of two core teachers.

Subject-Area	Indicate Specific Course Name, including Level e.g., CP, Honors, AP
English	
Social Studies	
Math	
Science	
World Language	
Health/PE	
Elective Request 1	
Elective Request 2	
Alternate Elective Request 1	
Alternate Elective Request 2	
Alternate Elective Request 3	

\*\* Students may take American History I & II or AP US History. An additional social studies course is required if taking AP US History.

**Together, we have selected next year's course requests.**

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Parent Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Return this completed, signed form to your homeroom teacher by **February 15, 2019!**

## **2019-2020 School Counseling Department**

Kelly Brun - IS Counselor (Grades 3-5) ([kbrun@unionacademy.org](mailto:kbrun@unionacademy.org))

Holly Hammonds - HS Counselor (Grades 9-12, Last Name A - L) ([hhammonds@unionacademy.org](mailto:hhammonds@unionacademy.org))

Sherryann Sylvestre - HS Counselor (Grades 9-12, Last Name M - Z) ([ssylvestre@unionacademy.org](mailto:ssylvestre@unionacademy.org))

Claire Pikarsky - MS Counselor (Grades 6-8) ([cpikarsky@unionacademy.org](mailto:cpikarsky@unionacademy.org))

Claire Koning - School Counseling Department Administrative Assistant ([ckoning@unionacademy.org](mailto:ckoning@unionacademy.org))

