

Yukon High School

Course Description Guide

2024-2025

“Excellence in Education”



**Empower learners to be self-sustaining, successful contributors
to life and the global community.**

Dear Students and Families:

This booklet has been designed to help you make some important decisions for your future. The courses and programs you decide to take while in high school will affect your post-secondary opportunities. The course schedule you select should meet graduation requirements as well as challenge you academically. According to Oklahoma Administrative Code 210:35-9-31(c), in order to graduate with a standard diploma from an accredited public high school, students shall complete twenty-three (23) units of competencies in grades nine (9) through twelve (12). Students shall accomplish these requirements by following the College Preparatory/Work Ready Curriculum at Yukon High School.

Please consult with your teachers, counselors, advisors, administrators, and parents as you make your final decisions.

Disclaimer

The policies and regulations of Yukon Public Schools' Board of Education, or any changes to the Board of Education policies and regulations after the printing of this guide, supersede all information provided in this course guide. For more detailed information, patrons are encouraged to refer to the Yukon Public Schools' Board of Education Policies and Administrative Regulations online at <https://www.yukonps.com/cms/one.aspx?pageld=125066>

Yukon High School
1777 S. Yukon Parkway
Yukon, OK 73099
(405) 354-6692



Principal
Melissa Barlow

Assistant Principals
Clark Crawford
Natalie Haworth
Steve Hunt
Vicki Kesler
Rebecca Middaugh
Michael Perez



THE OKLAHOMAN

TABLE OF CONTENTS

COLLEGE ENTRANCE REQUIREMENTS	5
OKLAHOMA PUBLIC COLLEGE & UNIVERSITY ADMISSION STANDARDS	5
YUKON HIGH SCHOOL COURSEWORK GRADUATION REQUIREMENTS	6
ENROLLMENT INSTRUCTIONS	7
CONTEST PARTICIPATION AND DRUG TESTING	7
ADVANCED PLACEMENT (AP) COURSES	7
CONCURRENT ENROLLMENT COURSES	7
DUAL CREDIT COURSES	8
SUMMER SCHOOL COURSES	8
STATE LAW REQUIREMENTS	8
STATE LAW SUGGESTED TRAINING (Not Required)	9
STATE LAW ASSESSMENT REQUIREMENTS	9
OKLAHOMA'S PROMISE	11
NCAA/NAIA	12
GRADUATION RECOGNITIONS	10
Course List	
ACCELERATED ALGEBRA II	32
ACCELERATED BIOLOGY	36
ACCELERATED CHEMISTRY	37
ACCELERATED ENGLISH I	22
ACCELERATED ENGLISH II	23
ACCELERATED GEOMETRY	31
ACCELERATED PRE-CALCULUS	32
ACCELERATED SPANISH III	49
ACCOUNTING & BUSINESS MANAGEMENT*	49
ADVANCED JOURNALISM YEARBOOK	25
ADVANCED THEATRE	21

AGRICULTURAL POWER & TECHNOLOGY	19
AGRICULTURE PRINCIPLES & APPLICATIONS (AG II)	19
ALGEBRA I	31
ALGEBRA II	31
AP 2D ART & DESIGN	13
AP 3D ART & DESIGN	13
AP ART HISTORY	13
AP BIOLOGY	36
AP CALCULUS AB	32
AP CHEMISTRY	37
AP COMPUTER SCIENCE PRINCIPLES	42
AP DRAWING	14
AP ENVIRONMENTAL SCIENCE	39
AP EUROPEAN HISTORY	45
AP HUMAN GEOGRAPHY	46
AP LANGUAGE & COMPOSITION ENGLISH	22
AP LITERATURE & COMPOSITION ENGLISH	24
AP MUSIC THEORY	34
AP PHYSICS I: ALGEBRA-BASED	38
AP PSYCHOLOGY	47
AP SPANISH LANGUAGE AND CULTURE (IV)	49
AP STATISTICS	33
AP U.S. GOVERNMENT & POLITICS	46
AP U.S. HISTORY	45
ART I	14
ART II	14
ART III	14
ART IV	15
ASTRONOMY	38
AUTO COLLISION*	50
AUTO SERVICE	50
AVIATION I	40
AVIATION II	40
AVIATION III	41
AVIATION MECHANICS I	41
AVIATION MECHANICS II	41
AVIATION STRUCTURAL TECHNICIAN*	50

BAND	35	ENGLISH III	23
BEGINNING JOURNALISM	25	ENGLISH IV	23
BIOLOGY I	36	ENVIRONMENTAL SCIENCE	39
BIOMEDICAL SCIENCE*	50	ESPORTS	42
BOTANY	38	FAMILY AND CONSUMER SCIENCE (FACS) BASIC	26
BUSINESS MANAGEMENT & SUPERVISION	15	FASHION DESIGN I	26
CABINETRY I	18	FASHION DESIGN II	27
CABINETRY II	19	FILM STUDIES	24
CERAMICS I	15	FORENSIC SCIENCE	39
CHEMISTRY	37	FUNDAMENTALS OF TECHNOLOGY	16
COLLA VOCE	35	FUNDAMENTALS OF ADMINISTRATIVE TECHNOLOGY	16
COLLEGE CAREER MATH READY	33	FUNDAMENTALS OF WEB DESIGN	17
COMPETITIVE SPORTS	28	GEOMETRY	31
COMPUTER AIDED DRAFTING & DESIGN*	50	GRAPHIC DESIGN*	52
COMPUTER INFORMATION SYSTEMS	50	HEALTH & WELLNESS	28
COMPUTER PROGRAMMING*	50	HEALTH CAREERS*	52
COMPUTER SCIENCE ESSENTIALS (COURSE 1)	41	HEATING & AIR (HVAC)*	52
COMPUTER SCIENCE PRINCIPLES (COURSE 2)	42	HUMAN ANATOMY AND PHYSIOLOGY	40
CONCURRENT COURSES	54	HUMAN GROWTH & DEVELOPMENT	27
CONSTRUCTION TRADES*	51	INDUSTRIAL AUTOMATION & ROBOTICS TECHNOLOGY	52
COOPERATIVE SCHOOL/REHABILITATION WORK-STUDY PROGRAM	48	INTERNSHIP I	29
COSMETOLOGY	51	INTERNSHIP II	29
CREATIVE WRITING I	24	INTRODUCTION TO AGRIBUSINESS	19
CREATIVE WRITING II	24	INTRODUCTION TO AGRICULTURE COMMUNICATIONS	20
CYBERSECURITY BASICS	42	INTRODUCTION TO AGRICULTURAL POWER & TECHNOLOGY	20
DIESEL*	51	INTRODUCTION TO AGRISCIENCE	20
DIGITAL MARKETING	16	INTRODUCTION TO ANIMAL SCIENCE	20
DIGITAL MEDIA PRODUCTION (VIDEO PRODUCTION)	16	INTRODUCTION TO BUSINESS/MARKETING*	17
DIGITAL MEDIA	51	INTRODUCTION TO ENTREPRENEURSHIP	17
EARLY CARE & EDUCATION*	51	INTRODUCTION TO THEATRE	21
EARTH AND SPACE SCIENCE	38	JAZZ ENSEMBLE	35
ELECTRICAL TRADES*	52	KEYSTONE	44
EMERGENCY SERVICES	52	LANDSCAPE & NURSERY	20
EMPLOYMENT ESSENTIALS	16		
ENGLISH I	22		
ENGLISH II	23		

LEADERSHIP	30	SERVICE CAREERS HOSPITALITY	53
LIFETIME NUTRITION & WELLNESS	27	SOCIOLOGY	47
MARKETING FUNDAMENTALS	17	SPANISH I	49
MEDICAL PROFESSIONS I	34	SPANISH II	49
MEDICAL PROFESSIONS II	34	SPACE ENGINEERING CONCEPTS	44
MEN'S CHORALE	35	STEM I	43
MULTIMEDIA & IMAGE MANAGEMENT		STEM II	43
TECHNIQUES - ADVANCED*	18	STEM III	43
MYTHOLOGY I	25	STATISTICS	33
MYTHOLOGY II	25	STREET LAW	47
NEWSPAPER	26	STRENGTH & CONDITIONING	29
NON-LINEAR DIGITAL EDITING	18	TECHNICAL THEATRE / STAGECRAFT	21
OKLAHOMA HISTORY	44	THEATRE MENTORSHIP	22
PEER TO PEER LEVEL I	30	THEATRE PRODUCTION	22
PEER TO PEER LEVEL II	30	TRANSITION CENTER	48
PERSONAL FINANCE	18	TRANSITIONAL ENGLISH	26
PHILOSOPHY	46	U.S. GOVERNMENT	45
PHOTOGRAPHY	25	U.S. HISTORY	45
PHYSICAL EDUCATION	28	WELDING*	53
PHYSICAL EDUCATION: LIFE & LEISURE	28	WILDLIFE SCIENCE & MANAGEMENT	21
PHYSICS	37	WOMEN'S CHORALE	35
PRE-CALCULUS	33	WORLD GEOGRAPHY	47
PRE-ENGINEERING	53	WORLD HISTORY	44
PRECISION MACHINING*	53	ZOOLOGY	40
PROJECT CONNECT	53		
PSYCHOLOGY: HUMAN DEVELOPMENT & PERSONALITY	47	SUGGESTED PATHWAYS FOR CORE SUBJECTS	56
PSYCHOLOGY: RESEARCH METHODS & BRAIN FUNCTIONING	47		
SENIOR CAPSTONE	46		
SERVICE CAREERS BUILDINGS & GROUNDS	53		

COLLEGE ENTRANCE REQUIREMENTS

Below are the courses you must take if you want to go to an Oklahoma state college or university. If you enter the job market after high school, these courses will also help you prepare for on-the-job success.

Course Requirements for Oklahoma State Colleges and Universities		
<u>English</u>	4 courses	Grammar, Composition, and Literature
<u>Math</u>	3 courses	Algebra I, Algebra II, Geometry, Math Analysis, Trigonometry, Pre-Calculus(must have completed Geometry & Algebra II), Calculus, and Advanced Placement Statistics
<u>Laboratory Science</u>	3 courses	Biology, Chemistry, Physics, or any lab science certified by the school district
<u>History and Citizenship Skills</u>	3 courses	Must include 1 course of American History and 2 courses from the subjects of history, economics, geography, government, civics, and/or non-western culture.
<u>Other</u>	2 courses	From any of the subjects listed above or from <u>Computer Science</u> or <u>Foreign Language</u>
TOTAL	15 courses	

Suggestions for Success: Colleges and universities also recommend, but do not require that you take an additional unit in math, an additional unit in lab sciences, and two units in speech or fine arts (music, art, or drama).

Please visit with your school counselor regarding specific university requirements.

OKLAHOMA PUBLIC COLLEGE & UNIVERSITY ADMISSION STANDARDS

For more information on admissions, the following link will take you to Oklahoma State Regents for Higher Education <https://tinyurl.com/yclxjhe8>. From this site, you can link to all Oklahoma universities websites.

YUKON HIGH SCHOOL COURSEWORK GRADUATION REQUIREMENTS

This page can be used as a checklist to keep track of completed requirements.

YUKON GRADUATION CHECK

Student Name _____ Cohort Year _____

- ☐ OK Promise (no SREB Math Ready)
☐ NCAA (no Computer Science classes or SREB Math Ready)
☐

English (8 credits)	S1	S2
English 1		
English 2		
English 3		
English 4 OR Comp I & II		

Math (8 credits)	S1	S2
1st Math		
2nd Math		
3rd Math		
4th Math OR Concurrent		

Science (6 credits)	S1	S2
Biology		
Physics/Chemistry/Physical Science		
3rd Science		

History (6 credits)	S1	S2
OK History (1 semester)		
World History/AP European ^		
US History		
Government (1 semester) OR Concurrent		
Other ^		

World Language (4 credits)	S1	S2
Spanish I		
Spanish II *		

OR

Computer Science (4 credits)	S1	S2
1st year		
2nd year *		

Additional Core (4th math)	S1	S2

Additional Requirements	
CPR Training	
Financial Literacy	
School Day SAT/ACT	
State US History Test	
State Science Test	
Naturalization Test	
Capstone (ICAP)	

Date Check Completed and Initials	

Date and Student Initials	

Electives (16 credits)		
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>

TOTAL CREDITS REQUIRED FOR GRADUATION: 46

Additional checklists can also be accessed online at the following link:

<https://tinyurl.com/yc6a7hlz>.

ENROLLMENT INSTRUCTIONS

- All students will bring home enrollment forms and information during the third quarter of school.
- Parents should review the information and enrollment forms with their students, sign the appropriate forms, and have students return the forms by the given deadline.
- All students will complete the enrollment process with school counselors.

CONTEST PARTICIPATION AND DRUG TESTING

All students involved in activities that involve participation in contests will be subject to random drug testing throughout the school year. See your coach or sponsor for more information.

ADVANCED PLACEMENT (AP) COURSES

Accelerated and Advanced Placement courses are for college-bound students who desire a more comprehensive education. An Accelerated student may spend an average of 45 minutes each night per class in relevant homework. An Advanced Placement student may spend an average of 90 minutes per night, per class. An Advanced Placement course provides students the opportunity to potentially earn college credit. Any student that participates in an Advanced Placement exam and earns a score of "3" or better may earn college credit. Students will be financially responsible for the cost of the AP Exam, which is approximately \$100.00. Because the courses require college-level performance, students who elect to take Advanced Placement courses must be realistic about their commitment. Such courses require self-discipline, above average ability, adequate time for homework and a willingness to see the course through to the final exam. In December 1999, the Oklahoma State Regents for Higher Education approved a policy to adjust a student's GPA to reflect taking an AP course. Students may earn college credit by electing to take the Advanced Placement exam in May.

CONCURRENT ENROLLMENT COURSES

Sample courses and credit received for each course is noted in the table below.

YHS Required Course	Required Concurrent Enrollment Alternatives
English IV Unit (2 YPS Credits)	1 semester of English Composition I <u>and</u> II
Fourth Year Mathematics Unit (2 YPS Credits)	1 semester of any college math course that is Freshman level or higher. Zero-level college courses will not be accepted.
U.S. Government - 1/2 Unit (1 YPS Credit)	1 semester U.S. Government
U.S. History (2 YPS Credits)	1 semester of U.S. History since 1877
Third Science Unit (2 YPS Credits)	1 semester of college-level Biology, Chemistry or Physics course that is Freshman level or higher

Students have the opportunity to earn college credit while still in high school with concurrent enrollment through a state accredited university or college.

Eleventh-grade and twelfth-grade students who meet the requirements set forth by the college or university may be admitted and enrolled in corresponding subject areas.

If a student chooses to enroll concurrently for high school credit in a required course, he/she will complete that credit concurrently. For example, a student enrolled in a college course for a one-semester high school course will be permitted to begin the course then return to the high school mid-semester to complete the semester of credit. On that same note, students must remain enrolled in six hours of coursework daily. Therefore, if the concurrent class is dropped the student must immediately report to the counseling office to discuss options and re-enroll in high school coursework.

Tuition Assistance:

Tuition assistance is available for YHS sophomores, juniors, and seniors that meet university entrance criteria. Fees (amounts vary by university) and textbooks are not covered.

- YHS seniors are eligible for tuition assistance for up to 18 credit hours beginning the summer before their senior year.
- YHS juniors are eligible for tuition assistance for up to 9 credit hours beginning the summer before their junior year. NOTE: YHS juniors enrolled in SWOSU courses are eligible for up to 18 credit hours of tuition assistance for concurrent and dual enrollment courses).
- YHS sophomores are eligible for tuition assistance for up to 3 credit hours beginning the summer before their sophomore year.

Withdrawing from Concurrent Enrollment Courses:

Students are responsible for dropping dual and concurrent courses through the university and YHS.

- Any dropped courses must be reported by the student to both their school counselor AND the college immediately to allow for a schedule change.
- Students dropping a course that is required for graduation must replace the course with a new one that is recommended by their YHS counselor. Failure to report drops or withdrawal from college courses will result in academic consequences.
- In the event that a student replaces a concurrent or dual enrollment course with a YHS course through their school counselor, the student MUST still notify the university before their drop date deadline or he or she will be responsible for paying course fees and charges.

DUAL CREDIT COURSES*

Dual credit courses, denoted with a *, will be offered to Yukon High School students through Southwestern Oklahoma State University (SWOSU). Dual credit offers college credits for courses taught on high school campuses with the school's curriculum and instructors. Students enrolled in dual credit can receive both high school and college credit for the course. Cost: approximately \$155 per course. **See your counselor for more information.**

SUMMER SCHOOL COURSES

The Yukon Public School System will provide a summer school limited to those students who have failed one or more semesters of courses required for graduation. Minimum class size must be met before a class will be offered. It is imperative that all students who expect to graduate with their cohort class make up any units that they have failed which are required for graduation. Oklahoma regulations limit units earned during accredited summer high school to one unit, or two semesters. The required fee associated with summer school is the responsibility of the parent.

STATE LAW REQUIREMENTS

Acquired Immunodeficiency Syndrome (AIDS) Prevention Education (70 O.S. § 11-103.3)

Yukon Public Schools will provide AIDS Prevention Education to students once in grades 5-6, 7-9, and 10-12. Acquired Immunodeficiency Syndrome (AIDS) Prevention Education shall be limited to the discussion of the disease AIDS and its spread and prevention. Yearly previews of the material will be available through each site.

CPR/AED Training (O.S. § 1210.199)

All students in grades 9 - 12 will receive instruction in CPR, participate in hands-on-practice and become aware of the use of AEDs (automated defibrillator) at least once between 9th grade and graduation.

Personal Financial Literacy Requirement (70 O.S. § 11-103.6h)

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.

Individual Career and Academic Plan (70 O.S. §2320.508-4)

Beginning with students entering the ninth grade in the 2019-2020 school year (class of 2023), each student is required to complete the process of an Individual Career Academic Plan (ICAP) in order to graduate from a public high school with a standard diploma.

STATE LAW SUGGESTED TRAINING (Not Required)

Industry Safety Training (Title 70: Section 11-103.6j)

April 2015, Senate Bill 262 was passed and signed into law. The State Department of Education, in collaboration with the Oklahoma Department of Labor, shall make available to school districts, information regarding workplace safety training for grades seven through twelve. Such information shall include the Oklahoma Department of Labor's "Youth @ Work Talking Safety: A Safety and Health Curriculum for Young Workers."

Oklahoma Alcohol and Drug Abuse Prevention and Life Skills Education Act. (70 O.S. § 1210.299-1)

The Legislature finds that for the purpose of preventing drug and alcohol abuse among our young people, and for preventing or alleviating problems which lead to and are closely associated with drug and alcohol abuse, it is desirable that all Oklahoma school districts develop and implement a curriculum for drug and alcohol abuse prevention for all grade levels.

Suicide Awareness and Prevention (70 O.S. § 24-100.7.)

Provide a suicide prevention training program which includes a core element research-based approach that is developed by the school district and the Department of Mental Health and Substance Abuse Services.

STATE LAW ASSESSMENT REQUIREMENTS

Assessment Requirements

(70 O.S. Supp. 2020, Section 11-103.6)

Beginning with the Class of 2025, Oklahoma students must take a 100 question test using the questions from the U.S. Citizenship and Immigration Services website. The law requires that students get at least 60 of the 100 questions correct in order to graduate.

(70 O.S. § 1210.508)

Beginning with students entering the ninth grade in the 2017-2018 school year (graduating class of 2021), each student is required to participate in the State-administered College and Career Readiness assessments in the 11th grade; ACT and Science, as well as a US History assessment once between grades nine through twelve.

Beginning in 2017-2018, districts are required to report on the transcript a student's highest-achieved score on the assessments included in the statewide student assessment system adopted by the State Board of Education and any business and industry-recognized endorsements attained.

GRADUATION RECOGNITIONS

OKLAHOMA ACADEMIC SCHOLAR RECOGNITION PROGRAM

(Updated annually by the Oklahoma State Department of Education) <https://sde.ok.gov/academic-scholar-recognition-program>

The purpose of the Oklahoma Academic Scholar program is to recognize the outstanding academic achievement of graduating seniors in compliance with State law which became effective in 1986.

Oklahoma Academic Scholars receive a certificate of recognition from the State Board of Education and the local high school, a gold seal affixed to their diploma, and the honor recorded on their official transcript.

Requirements for Recognition as an Oklahoma Academic Scholar

Graduating seniors who meet all the requirements listed below shall be recognized by the local school district and the State Board of Education as an Oklahoma Academic Scholar:

- Accumulate over grades 9, 10, 11, and the first semester of Grade 12, a minimum grade point average of 3.7 on a 4.0 scale or be in the top 10% of their graduating class.
- Completed (or will complete) the curricular requirements for a standard diploma.
- Achieve a 27 composite score on the ACT or 1220 combined evidence-based reading and writing and mathematics score on the SAT. The ACT or SAT must have been taken on a national test date or state-administered test date. For students with documented disabilities requiring testing accommodations not available on a national or state administration date, a qualifying score on the ACT or SAT may be demonstrated using alternate administration dates.

CERTIFICATE OF DISTINCTION (O.S. 70 § 11-103.6d)

The purpose of the Certificate of Distinction is to award students who have met or exceeded the following criteria by the end of their senior year in high school with at least a 3.25 grade point average (GPA) on a 4.0 scale.

- Earned four units of English, mathematics, social studies, science;
- Earned two additional units in the area of technology, the humanities, or the arts;
- Earned two units in a foreign language; and
- Achieved a proficient or advanced score on all state assessments required pursuant to Section 1210.508 of Oklahoma Statute, as those assessments are implemented.

**Please note that the Certificate of Distinction is not a diploma. Satisfactory completion of these requirements, however, will be noted on the student's diploma.*

SEAL OF BILITERACY

The Oklahoma Seal of Biliteracy is an award given by the Oklahoma State Department of Education in recognition of students who have studied and attained proficiency in English as well as an additional language upon high school graduation. It represents the state's commitment to value the whole student and foster pride in the cultural and linguistic heritage of our students.

The Oklahoma Seal of Biliteracy encourages students to study languages, certifies attainment of biliteracy skills, recognizes the value of language diversity, and prepares students with 21st-century skills that will benefit them in the labor market and the global society.

Visit the [Oklahoma State Department of Education Seal of Biliteracy page](#) for more information.



What is Oklahoma's Promise?

Oklahoma's Promise allows 8th, 9th, 10th or 11th grade students, from families with who meet the income requirement, to earn a college tuition scholarship. Students must also meet academic and conduct requirements in high school.

Who can apply for Oklahoma's Promise?

Applicants must be (1) Oklahoma resident; (2) 8th, 9th, 10th or 11th grade student; (3) Must be a student whose parents' federal adjusted gross income does not exceed: \$60,000 with 1 or 2 dependent children OR \$70,000 with 3 or 4 dependent children OR \$80,000 with 5 or more dependent children.; and (4) Student who promises to meet the requirements of the program.

What is the Promise?

Upon completion of the program's requirements, you will earn:

- Tuition at an Oklahoma public two-year college or four-year university. -OR-
- A portion of the tuition at an accredited Oklahoma private college or university. -OR-
- A portion of tuition for courses at public technology centers that are approved for credit toward an Associate in Applied Science degree at a public college.

High School Requirements

- Graduate from an Oklahoma high school or homeschool education program.
- Take the 17 units of college prep high school courses (listed at the right) and achieve at least a 2.50 cumulative GPA in those courses.
- Achieve at least a 2.50 cumulative GPA 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 Oklahoma's Promise activities that will prepare you for college.

What are the 17 units (34 YPS credits) of high school courses you need to take?

- **4 ENGLISH** (grammar, composition, literature; courses should include an integrated writing component)
- **3 LAB SCIENCES** (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 MATHEMATICS** (from Algebra I, Algebra II, Geometry, Trigonometry, Math Analysis, Pre-calculus [must have completed Geometry and Algebra II], Calculus, Advanced Placement [AP] Statistics)
- **3 HISTORY & CITIZENSHIP SKILLS** (including 1 unit of American history and 2 additional units from the subjects of history, economics, geography, government, non-Western culture)
- **2 FOREIGN OR NON-ENGLISH LANGUAGE** (two years of the same language)... **OR...COMPUTER TECHNOLOGY** (two units in programming, hardware or business computer applications, such as word processing, databases, spreadsheets, and graphics, will qualify; keyboarding or typing classes do NOT qualify) (1 foreign language and 1 computer course will NOT meet this requirement)
- **1 ADDITIONAL COURSE** (from any of the subjects listed above)
- **1 FINE ARTS** (music, art, drama) ...**OR... SPEECH**

How to Apply?

Online at <https://www.okhighered.org/okpromise/> or get an application from your counselor.

Remember, the student is ultimately responsible for completing the program requirements. This information is subject to change. Consult Oklahoma's Promise website for complete information.

CLASSIFICATION

In order to be promoted to the next grade level, a student must have acquired credits (2 YPS credits = 1 unit) as follows:

To move from:	Student must have earned at least:
9 th to 10 th grade	10 YPS credits
10 th to 11 th grade	22 YPS credits
11 th to 12 th grade	34 YPS credits
12 th grade	To be classified as a senior, the student must have academic standing that would qualify them to graduate during the current school year.

Want to Play College Sports?

If you want to play NCAA sports at Division I or II schools, you need to register with the NCAA Eligibility Center at <https://web3.ncaa.org/ecwr3/> during your sophomore year.

Students registered with NCAA should work closely with their YHS counselor when selecting YHS courses.

DIVISION I

To play sports at a Division I school, you must graduate from high school and meet ALL the following requirements:

1. Graduate from High School.
2. Complete 16 NCAA core courses:
 - 4 years of English, 3 years of math (Algebra I or higher), 2 years of natural/physical science (including one year of lab science if your high school offers it), 2 years of social science, 1 additional year of English, math or natural/physical science, 4 additional years of English, math, natural/physical science, social science, foreign language, comparative religion or philosophy.
 - Complete 10 NCAA core courses, including seven in English, math or natural/physical science, before your seventh semester.

3. Earn at least a 2.3 GPA in your NCAA core courses.
4. Earn an ACT sum score or SAT combined score that matches your core-course GPA in the [Division I sliding scale](#).

DIVISION II

To play sports at a Division II school, you must meet ALL the following requirements:

Prior to full-time collegiate enrollment

1. Graduate from high school
2. Complete 16 NCAA core courses:
 - 3 years of English, 2 years of math (Algebra I or higher), 2 years of natural/physical science (including one year of lab science if your high school offers it), 2 years of social science, 3 additional years of English, math or natural/physical science, 4 additional years of English, math, natural/physical science, social science, foreign language, comparative religion or philosophy.
3. Earn at least a 2.2 GPA in your NCAA core courses.
4. Earn an ACT sum score or an SAT combined score that matches your core-course GPA in the [Division II sliding scale](#)

DIVISION III

Division III college-bound student-athletes are not certified by the NCAA Eligibility Center because Division III colleges and universities each set their own admissions standards. College-bound student-athletes should contact their Division III College or University of interest regarding policies on admission, financial aid, and athletic eligibility.

NAIA Eligibility Center

<https://play.mynaia.org/>

NEED A TRANSCRIPT?

Transcripts can be requested at transcripts.yukonps.com

ART

AP ART HISTORY

2816-75 (YEAR)

PREREQUISITE: ART I, WORLD HISTORY or AP EUROPEAN HISTORY

GRADE LEVEL: 11-12

DESCRIPTION: The AP Art History Course will engage students at the same level as an introductory college art history survey course. In the course, students will examine and critically analyze major forms of artistic expression from the past and present from a variety of cultures. While visual analysis is a fundamental tool of the art historian, art history emphasizes how and why works of art function. Students scoring a 3 or better on the Advanced Placement Exam may earn college credit. **Students will be financially responsible for the cost of the exam, which is approximately \$100.00.**

AP 2D ART & DESIGN

2838-75 (YEAR)

PREREQUISITE: ART I, ART II, Portfolio submission & teacher approval

GRADE LEVEL: 11-12

DESCRIPTION: The AP 2D Art & Design course teaches a variety of concepts and approaches in 2-D design so that the student is able to demonstrate a range of abilities and versatility with technique as well as with problem-solving. Such conceptual variety can be demonstrated through either the use of one or the use of several media including: photography, collage, and digital art or design. Students will work with a specific inquiry, thus establishing the foundation of their *Sustained Investigation* for their portfolio submission. Students are required to complete 15 works of art for this course in order to submit to the AP Portfolio Review in May. **This course requires a class fee.** Students scoring a 3 or better on the Advanced Placement Exam may earn college credit. **Students will be financially responsible for the cost of the exam, which is approximately \$100.00.**

AP 3D ART & DESIGN

2839-75 (YEAR)

PREREQUISITE: ART I, ART II, CABINETRY I or AGRICULTURAL POWER & TECHNOLOGY, Portfolio submission & teacher approval

GRADE LEVEL: 11-12

DESCRIPTION: This course teaches students a variety of concepts and approaches in 3D design so that they are able to demonstrate a range of abilities and versatility with technique as well as with problem-solving. Students are asked to demonstrate mastery of 3D design through any 3D approach, including, but not limited to, figurative or non-figurative sculpture, architectural models, metalwork, ceramics, glasswork, installation, assemblage, and 3D fabric/fiber arts. There is no preferred style or content. Students will work with a specific theme, thus establishing the foundation of their *Sustained Investigation* for their portfolio submission. Students are required to complete 10 - 15 works of art for this course in order to submit to the AP Portfolio Review in May. **This course requires a class fee.** Students scoring a 3 or better on the Advanced Placement Exam may earn college credit. **Students will also be financially responsible for the cost of the exam, which is approximately \$100.00.**

AP DRAWING

2815-75 (YEAR)

PREREQUISITE: ART I and ART II, Portfolio submission & teacher approval

GRADE LEVEL: 11-12

DESCRIPTION: The AP Drawing course teaches students a variety of concepts and approaches in drawing and painting so that the student is able to demonstrate a range of abilities and versatility with technique as well as with problem-solving. Such conceptual variety can be demonstrated through either the use of one or the use of several media, and places emphasis on the use of "mark making" through drawn or painted works. There is no preferred style or content. Students will work with a specific inquiry, thus establishing the foundation of their *Sustained Investigation* for their portfolio submission.

Students are required to complete 15 works of art for this course in order to submit to the AP Portfolio Review in May. **This course requires a class fee.** Students scoring a 3 or better on the Advanced Placement Exam may earn college credit. **Students will also be financially responsible for the cost of the exam, which is approximately \$100.00.**

ART I

2808 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 9-11

DESCRIPTION: Art I is a course of instruction focusing on the study of the two-dimensional areas of art. These areas include drawing, painting, and design. The student will demonstrate the fundamental use of the *Elements of Art* and the *Principles of Design* through various projects that promote creative thinking, problem-solving, and the practice of technical skills. Art I is the first high school art course which gives the student a broad scope into the production, aesthetics, criticism, history, and careers in the visual arts. Students will also have the opportunity to participate at an end of the year art exhibit and several creative competitions. **This course requires a class fee.**

ART II

2809 (YEAR)

PREREQUISITE: Successful completion of ART I

GRADE LEVEL: 10-12

DESCRIPTION: Art II is a continuation of Art I with a review and application of the *Elements of Art* and the *Principles of Design*. Art II focuses on the exploration of different media and techniques of creating art. The students will explore more diverse styles of art and subject matter using more advanced materials, as well as an introduction to three-dimensional art. **This course requires a class fee.**

ART III

2810 (YEAR)

PREREQUISITE: Successful completion of ART II

GRADE LEVEL: 10-12

DESCRIPTION: Art III is a continuation of Art II with the students using their knowledge of the Elements of Art and the Principles of Design to experiment with their own creative style and conceptual ideas. Students will examine the work of the masters throughout history to assist in the development of their own style of art. Advanced materials will be used including the use of acrylic and oil paint, and canvas. **This course requires a class fee.**

ART IV

2811 (YEAR)

PREREQUISITE: Successful completion of ART III

GRADE LEVEL: 10-12

DESCRIPTION: Art IV is an independent study course with the students using their knowledge of the *Elements of Art* and the *Principles of Design* to develop their own artistic style and conceptual ideas. During the first semester of the course, students will lead their own artistic inquiries (with instructor guidance) by experimenting with different styles and methods of art making. During the second semester, the students will create a portfolio of work that will present their own unique and cohesive artistic style. This portfolio of work will be presented during the annual YHS art show in May. Advanced materials will be used including the use of acrylic and oil paint, clay and glazes, and canvas. **This course requires a class fee.**

CERAMICS I

2841 (SEMESTER)

PREREQUISITE: Successful completion of ART I or ADVANCED ART at the middle school level.

GRADE LEVEL: 9-12

DESCRIPTION: Ceramics I is a study of 3-D art and advanced applications, it will follow a similar format used by the other studio art courses. This involves an introductory lesson and presentation by the instructor followed by student application of learned knowledge. Students will learn how to successfully throw on the potter's wheel and build containers and structures using a variety of hand building techniques - from pinch pots to slab construction. Students will also learn to use glazes effectively and creatively through simple glazing techniques along with layering glazes to create new colors and textures. **This course requires a class fee.**

BUSINESS, MARKETING, & INFORMATION TECHNOLOGY EDUCATION (BMITE)

***Denotes course that requires membership in BPA or DECA.**

Business Professional of America (BPA) is an integral part of many business courses. Students are strongly encouraged to become members. While being a member, students will have the opportunity to develop leadership skills, organization skills, participate in community service projects, compete, and much more. **Dues are \$25.00** which includes local, state, and national memberships as well as a club t-shirt. <http://www.bpa.org/>

DECA is an integral part of some courses and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. **Dues are \$25.00** which includes local, state, and national memberships as well as a club t-shirt. <https://www.deca.org/high-school-programs/>

BUSINESS MANAGEMENT & SUPERVISION

8606 (YEAR)

PREREQUISITE: Successful completion of MARKETING FUNDAMENTALS or teacher/counselor approval

GRADE LEVEL: 11-12

DESCRIPTION: This course is an advanced continuation of Marketing Fundamentals. It involves students in various teamwork activities and projects to provide basic knowledge and skills necessary for supervision and management positions. This course also offers several opportunities to gain experience in various aspects of marketing and management such as human resources, promotion, principles of management, supervisory skills,

entrepreneurship, merchandising, security, and international marketing. Students will use computer simulations to operate a virtual reality business that will test their skills management.

DIGITAL MARKETING

8628 (YEAR)

PREREQUISITE: MARKETING FUNDAMENTALS

GRADE LEVEL: 10-12

DESCRIPTION: The business world is progressively more reliant on digital technologies. The course is designed to prepare students with the knowledge and skills to be an asset to the collaborative, global, and innovative business world of today and tomorrow. Concepts include the overall digital experience, digital communications, digital media, and the exploration of career choices. This course also provides practical experience in professionalism using various forms of presentation skills, including speaking, podcasting, and digital portfolio relating to the globalization of business.

This course focuses on the ways in which traditional marketing strategies can be applied to the digital world. Students will learn to develop and implement marketing strategies utilizing mobile technology, social media, and search engine optimization (SEO).

DIGITAL MEDIA PRODUCTION* (VIDEO PRODUCTION)

8191 (YEAR)

PREREQUISITE: FUNDAMENTALS OF TECHNOLOGY

GRADE LEVEL: 10-12

DESCRIPTION: This course introduces students to the principles and emerging careers of Video Production. Students develop in-depth knowledge and skills needed for successful careers in video and broadcast and use state-of-the-art tools (Adobe Premiere Pro, Adobe After Effects, and Adobe Soundbooth) to design, edit, produce and broadcast productions to outside audiences. **Course NOT accepted by Oklahoma's Promise Program.**

EMPLOYMENT ESSENTIALS*

8623 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 10-12

DESCRIPTION: This course is designed to provide students with fundamental workplace knowledge and skills to succeed in any career. Students will develop soft skills, personality traits, personnel management, and basic technology skills desired by employers. Students will explore techniques to manage their personal life, financial life, and career preparation. Students will have the opportunity to develop leadership and teamwork skills through participation in the student organization, DECA (an association of marketing students).

FUNDAMENTALS OF ADMINISTRATIVE TECHNOLOGY

8103 (YEAR)

PREREQUISITE: Fundamentals of Technology

GRADE LEVEL: 10-12

DESCRIPTION: This course builds on core business skills and will provide students with the concepts, principles, and attitudes needed to understand how an office is operated and managed in a rapidly changing global environment. State-of-the-art personal computing is integrated throughout the courses.

FUNDAMENTALS OF TECHNOLOGY*

8169 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 9-12

DESCRIPTION: This course provides students with the fundamental concepts of our technological world. Students will develop basic skills in format document processing, worksheet functions and calculations, presentation demonstrations, online research, communications processes, planning, and organizational applications. Assignments are individual or team projects using the internet, handheld devices, blogs, laptops, digital media, and an array of software. Knowledge of ethics, security, legality, careers and personal responsibility are applied. **Course accepted by Oklahoma's Promise Program**

FUNDAMENTALS OF WEB DESIGN*

8153 (YEAR)

PREREQUISITE: FUNDAMENTALS OF TECHNOLOGY

GRADE LEVEL: 10-12

DESCRIPTION: In the first half, students will acquire fundamental web authoring skills, organizing and design strategies, use of basic application of HTML, programming, template sites, and forms development. This course introduces students to the emerging career of web planning and design. The second half introduces Cascading Styles sheets, Dreamweaver, and Flash. Projects and teamwork are integrated, developed, and emphasized. *BPA is an integral part of this course and therefore students are strongly encouraged to join.* **Course accepted by Oklahoma's Promise Program**

INTRODUCTION TO BUSINESS/MARKETING*

8614 (SEMESTER)

PREREQUISITE: None

GRADE LEVEL: 9-12

DESCRIPTION: This is an introductory course designed to explore the business and marketing system and its role in a free enterprise economic system. Students will gain an understanding of the marketing concept and its relation to the production of goods and business services. Students will study the responsibilities and role of an individual in today's business and economic environment as a consumer and a producer of goods and services. Career opportunities within business and marketing fields will also be introduced to students. Students will develop leadership traits and identify their leadership potential through participation in the DECA association of marketing students.

INTRODUCTION TO ENTREPRENEURSHIP

8179 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 9-12

DESCRIPTION: This is an introductory course designed to explore what an entrepreneurial career entails. Students will look at the relationship between entrepreneurship and business skills to discover how to become a successful entrepreneur. This course will be taught in conjunction with the OKCTE competencies required. Students will develop leadership traits and identify their leadership potential through participation in the student organization: BPA - Business Professional of America.

MARKETING FUNDAMENTALS

8602 (YEAR)

PREREQUISITE: Fundamentals of Technology

GRADE LEVEL: 9-12

DESCRIPTION: This course teaches students how businesses and people operate from a marketing point of view. Classroom emphasis will be on promotion, human relations, communication, merchandising, and salesmanship. Special hands-on activities and projects, such as working in the DECA store, give students a practical application to the theories taught in the course. Students will use virtual simulation software to test their acquired knowledge.

MULTIMEDIA & IMAGE MANAGEMENT TECHNIQUES*

8150 (YEAR)

PREREQUISITE: Fundamentals of Technology

GRADE LEVEL: 10-12

DESCRIPTION: This course introduces students to the concepts of graphic design and production, document design and production, and related careers. Students produce graphic designs using Adobe Photoshop and Adobe Illustrator. **Course accepted by Oklahoma's Promise Program.**

NON-LINEAR DIGITAL EDITING (ADVANCED VIDEO PRODUCTION)*

8192 (YEAR)

PREREQUISITE: DIGITAL MEDIA PRODUCTION & teacher approval

GRADE LEVEL: 10-12

DESCRIPTION: Students will master real-time editing for professional digital video productions. Project management techniques and professionalism will be emphasized as students complete video-based projects for broadcast production.

Course not accepted by Oklahoma Promise.

PERSONAL FINANCE*

8178 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 10-12

DESCRIPTION: This course will provide the knowledge and skills necessary for successful lifelong personal financial planning. Personal Finance is considered dual enrollment, therefore, designed to be the equivalent of an introductory college course. The 14 areas of instruction set forth in the passport to Financial Literacy Act of 2007 (70 O.S. 11-103.6h) will be taught in conjunction with the OKCTE competencies required.

CAREER & INDUSTRIAL TECHNOLOGIES

SkillsUSA is an integral part of many courses. Students are strongly encouraged to become members. While being a member, students will have the opportunity to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$10.00 which includes local, state, and national memberships.

<https://www.skillsusa.org/>

CABINETRY I

8955 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 9-11

DESCRIPTION: This program is designed to prepare students to transition into an advanced carpentry program, technology center program, and/or perform beginning-level cabinetmaking tasks under the supervision of an experienced cabinetmaker. Students receive instruction in wood materials selection, general safety, stationary machine safety, and portable power tool safety. Students learn how to create a working drawing and read working plans and blueprints. Students learn basic wood protective finish, and how to apply mathematics and reading comprehension into their daily work. **This course requires a class fee.**

Skills USA is an integral part of this course and therefore students are strongly encouraged to join.

CABINETRY II

8963 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 10-12

DESCRIPTION: Teaches more advanced cabinet-making and construction skills. Students will explore career training options at Canadian Valley Tech Center, community colleges and other higher education options. Students will build kitchen style cabinets, assist with the construction of small sheds, and build more advanced cabinet making projects. **This course requires a class fee.**

Skills USA is an integral part of this course and therefore students are strongly encouraged to join.

CAREER TECHNOLOGIES - AGRICULTURE

Future Farmers of America (FFA) is an integral part of many agriculture courses. Students are strongly encouraged to become members. While being a member, students will have the opportunity to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$15.00 which includes local, state, and national memberships. <https://www.ffa.org/about-us/what-is-ffa/>

AGRICULTURAL POWER & TECHNOLOGY (Course 2)

8010 (YEAR)

PREREQUISITE: Introduction to Ag Power & Tech

GRADE LEVEL: 10-12

DESCRIPTION: Upon completion of this unit, the student will gain a background into the various welding processes used in the agriculture field. This unit will include both the theory and technical practices of the different processes the student chooses.

AGRICULTURE PRINCIPLES & APPLICATIONS (AG II)

8005 (YEAR)

PREREQUISITE: Introduction to Agriscience

GRADE LEVEL: 10-12

DESCRIPTION: Agriscience Principles and Applications (AG II) teaches multiple pathways. Agriscience Principles and Applications picks up where AG I left off on each area and dives into a deeper understanding of many subjects. With units like Animal Nutrition, Animal Health, Plant Structures, Functions and Health and Plant and Animal Genetics as well as Presentations, Financial Literacy and Ag Power and Technology Agriscience Principles and Applications will help students decide on a pathway they want to take.

INTRODUCTION TO AGRIBUSINESS

8019 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 9-12

DESCRIPTION: Introduction to Agribusiness and Management is the first course in the Agribusiness and Management Pathway and is for students with interests in managing and operating agricultural businesses. Major topics include the nature and importance of agribusiness and agricultural industry, the meaning and role of management, economic systems and ways of doing business, the meaning and nature of entrepreneurship, obtaining and using resources, risk management, starting an agribusiness, developing a business plan, complying

with legal regulations, records and financial analysis, personal development, careers and employability skills, FFA, and supervised experience.

INTRODUCTION TO AGRICULTURE COMMUNICATIONS

8022 (YEAR)

PREREQUISITE: Introduction to Agriscience

GRADE LEVEL: 11-12

DESCRIPTION: This course is designed to introduce students to topics related to promoting agriculture through a variety of media sources. It is a specialized course for students pursuing a career in communications.

INTRODUCTION TO AGRICULTURAL POWER & TECHNOLOGY (Course 1)

8009 (YEAR)

PREREQUISITE: Introduction to Agriscience

GRADE LEVEL: 10-12

DESCRIPTION: This course develops knowledge and skills in the fundamentals of agricultural mechanics and power equipment. Physical science and mathematics principles will be integrated throughout the course. Major areas of content include the meaning and importance of agricultural mechanics and power; personal and employability safety; identifying, using, and maintaining common hand and power tools; planning and organizing facilities and shops; using measuring devices; selecting and using wood and metal materials; using fasteners and hardware; preparing and using simple project plans; metal fabrication; and machinery and engines. FFA and supervised experience will also be included as appropriate.

INTRODUCTION TO AGRISCIENCE

8004 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 9-12

DESCRIPTION: This course is designed to be an introductory course for all courses in Agriculture. Course content emphasizes science-based approaches to the agricultural industry, natural resources, animal science, plant /horticulture and soil science, agricultural safety, agribusiness, and economic principles, career, and agricultural mechanics. ***Animals are not required.***

INTRODUCTION TO ANIMAL SCIENCE

8012 (YEAR)

PREREQUISITE: Introduction to Agriscience

GRADE LEVEL: 10-12

DESCRIPTION: This course is designed for students interested in learning the fundamentals of science-based animal agriculture. Course contents include the importance and scope of agricultural animals, taxonomy, anatomy, physiology, reproduction, nutrition, health and disease management, facilities and equipment, and production practices of popular species. Evaluation, fitting, showing, marketing, animal ethics, and safety are also included.

This course counts as a third science requirement for YHS graduation. See your counselor for details.

Note: This course will not fulfill the requirements for college admittance.

LANDSCAPE & NURSERY PRODUCTION

8031 (YEAR)

PREREQUISITE: Introduction to Agriscience

GRADE LEVEL: 10-12

DESCRIPTION: Landscape management and nursery production would give students that are interested in Horticulture careers a chance to learn about careers in landscaping design, tree management, and nursery production. Students will learn about growing, planting and grafting a variety of trees.

WILDLIFE SCIENCE & MANAGEMENT

8027 (YEAR)

PREREQUISITE: AGRISCIENCE

GRADE LEVEL: 10-12

DESCRIPTION: Students enrolled in this course will learn about wildlife biology, habitats, feeding, nutrition, and harvesting of Oklahoma wildlife.

DRAMA

ADVANCED THEATRE

2985 (YEAR)

PREREQUISITE: INTRODUCTION TO THEATRE

GRADE LEVEL: 10-12

DESCRIPTION: This class is for students who have completed at least one year (not semester) or theatre in high school (Introduction to Theatre). They will go straight into writing and performing. They will perform monologues, duets, scenes, and produce a show in the spring semester. They are eligible to audition for Theatre Production at the end of Advanced Theatre 2.

Attendance is required at two outside plays each semester as well as attendance at all YHS productions.

INTRODUCTION TO THEATRE

2893 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 9-12

DESCRIPTION: Students will learn the basics of theatre, acting exercises, and the student will participate in all aspects of theatre and play production as well as an introduction to the history of theatre. Students will also learn stage makeup techniques, costume design and construction, set design and construction, and properties design and construction. Students will be welcome to audition for any and all theatre and musical productions.

Attendance at one outside play is required each semester as well as attendance at all YHS productions.

TECHNICAL THEATRE / STAGECRAFT

2856 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 9-12

DESCRIPTION: Technical Theatre provides students with a wide range of knowledge in the behind-the-scenes realm of the performing arts, operation of sound, lights, video, rigging, and special effects. Stagecraft introduces safety, basic techniques of scenery and property construction tool use, painting design, and stage organization.

NOTE: 7th hour extracurricular course with mandatory after school, night, and weekend performances required. All activities are at the Fine Arts Center (FAC). A "C" in class and an overall 2.0 GPA are required. Transportation from high school provided. No transportation provided after extended work days.

THEATRE MENTORSHIP

2896 (YEAR)

PREREQUISITE: Successful completion of INTRODUCTION TO THEATRE and ADVANCED THEATRE

GRADE LEVEL: 12

DESCRIPTION: The curriculum will include but is not limited to the following: assisting students to choose and cut monologues, duets and scenes; assist students with stage makeup application; direct students in scenes; Help teachers and students with sewing costumes; mentor students during rehearsals and performances. **A student should be concurrently enrolled in THEATRE PRODUCTION.**

THEATRE PRODUCTION

2896 (YEAR)

PREREQUISITE: INTRODUCTION TO THEATRE, ADVANCED THEATRE, Audition (see teacher for details)

GRADE LEVEL: 11-12

DESCRIPTION: Students will select, cast, act in, design and build costumes, design lighting, design sound, design and build props, design and build sets, direct stage, manage crew, and obtain rights for the one-act play of their choice each semester. The teacher will have final say in production choice. Theatre production students will be required to audition for the theatre shows each semester and are encouraged to audition for musical productions.

Attendance at two outside plays is required each semester as well as attendance at all YHS productions. SUMMER READING WITH ACCOMPANYING RESPONSE LOGS ARE REQUIRED FOR ACCELERATED AND ADVANCED PLACEMENT ENGLISH CLASSES PRIOR TO THE BEGINNING OF THE COURSE. ONCE THE SCHOOL YEAR BEGINS, THE STUDENT WILL BE TESTED OVER THE CONTENT OF THE SUMMER READING ASSIGNMENT AND THE RESPONSE LOGS WILL BE GRADED. SEE YOUR COUNSELOR OR ENGLISH TEACHER FOR MORE INFORMATION.

ENGLISH LANGUAGE ARTS & JOURNALISM

ENGLISH I

4045 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 9

DESCRIPTION: Language Arts skills, such as reading comprehension and interpretation, are built upon and expanded. Multiple genres of literature are stressed; and composition techniques, including writing a five paragraph essay, are expanded. Grammar and usage skills are reviewed and extended. Students will learn strategies to determine the meanings of unfamiliar words.

ACCELERATED ENGLISH I

4045-72 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 9

DESCRIPTION: This course is designed for students who display exceptional ability in reading, writing, and speaking the English language. Self-motivation and self-discipline are essential factors for the success of students in the Advanced Placement program. The students have mastered basic mechanics and can compose well-written paragraphs. Stress is placed on writing compositions, a minimum of three to five paragraphs in length. Advanced Placement vocabulary and close reading skills are emphasized in addition to the development of research and grammar skills. **Outside readings are required.**

ENGLISH II

4048 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 10

DESCRIPTION: Language Arts skills, such as reading comprehension and interpretation, are built upon and expanded. Multiple genres of literature are stressed; and composition techniques, including writing multi-paragraph essays, are expanded. Grammar and usage skills are reviewed and extended. Students will learn strategies to help them determine the meaning of unfamiliar words.

ACCELERATED ENGLISH II

4048-72 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 10

DESCRIPTION: This course is designed for students who display an unusual aptitude for reading, writing, and speaking the English language. Self-motivation and self-discipline are essential factors for the success of students in the AP Program. The students will be able to master logic and reasoning skills necessary for the advanced composition and reading analysis. Advanced Placement vocabulary and close reading skills are further enhanced along with research and grammar skills. ***Outside readings are required.***

ENGLISH III

4051 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11

DESCRIPTION: Basic grammar and writing will be reviewed to prepare for the research paper and advanced composition. An emphasis will be placed on increasing vocabulary. American literature will be studied in depth. Novels, drama, short stories, and poetry will be read and interpreted for understanding and appreciation.

AP LANGUAGE & COMPOSITION ENGLISH

4057-75 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Students will engage in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should require students to interact with the writer's purpose, audience expectations, and subjects, as well as the effect genre conventions and the resources of language have on writing. Other skills practiced will include creating projects utilizing technology, making oral presentations, writing a research paper, and expressing creativity. Class discussions will be supplemented with online discussions and coursework. Students who scored a 3 or above on the Advanced Placement Exam may earn college credit. **Students will be financially responsible for the cost of the exam, which is approximately \$100.00. *Outside readings are required.***

ENGLISH IV

4054 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 12

DESCRIPTION: Students will explore literature and writing as they both pertain to the human experience. Teachers will incorporate a variety of mediums in order to cover relevant content in a rigorous curriculum at a

pace that is both challenging and fair to students. This course involves a heavy emphasis on reading and writing across a variety of engaging and insightful modes of prose and composition. Vocabulary and grammar exercises are embedded throughout the course within the contexts of literature and writing.

AP LITERATURE & COMPOSITION ENGLISH

4010-75 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: 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, as well as imagery, symbolism, and tone. This course is the equivalent of a freshman level college composition course in which students are required to read novels, short stories, dramas, and poetry and write a critical analysis of these works. These literary works contain adult situations and problems. Summer reading will be assigned and a research project with a literary topic is required. Students who scored a 3 or above on the Advanced Placement Exam may earn college credit for this course. **Students will be financially responsible for the cost of the exam, which is approximately \$100.00. Outside readings are required.**

CREATIVE WRITING I

4301 (SEMESTER)

PREREQUISITE: None

GRADE LEVEL: 9-12

DESCRIPTION: Students draw from their experiences and imaginations to create poetry, stories, and dialogue, and they share their writings in a class read-around. Students will examine other works for examples of good writing in different genres and then write, revise, and edit their works for a variety of audiences. **NOTE: This course does not count toward required English credits.**

CREATIVE WRITING II

43012 (SEMESTER)

PREREQUISITE: None

GRADE LEVEL: 9-12

DESCRIPTION: Students will learn about different personalities and character traits and then apply that knowledge by analyzing characters in literature, television, and movies. Then they will create their own characters with specific personalities and showcase those character traits in writing. **NOTE: This course does not count toward required English credits.**

FILM STUDIES

2750 (SEMESTER)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: The primary aim of this course is to learn how "to read" a film, to understand the special ways this medium is structured, and how it helps to structure the world. Students will examine how films are made and evaluate how those films invite them to interrogate their past and contemplate their future. The course will introduce students to a film critical vocabulary. Students will apply this vocabulary to their investigation of films from a variety of genres: musicals, westerns, film noir, screwball comedy, horror, science fiction, and international films.

BEGINNING JOURNALISM

4111 (SEMESTER)

PREREQUISITE: None

GRADE LEVEL: 9-12

DESCRIPTION: This course requires dedication and an interest in journalism. This class introduces many aspects of scholastic publications, journalism, and mass media in preparation of later joining the yearbook and/or newspaper staff. Students will study the history of the press, media ethics, and laws as applied to scholastic journalism, functions of the media, and elements of news. They will learn newspaper purpose and production including brainstorming ideas, interviewing sources, writing inverted pyramid stories and editing and revising copy to present facts in an interesting and informative manner. Students will study layout and design for the yearbook, headline and caption writing, and desktop publishing on Macintosh computers using Adobe InDesign. Finally, students will understand the purpose of yearbooks; how writing, editing and design differ between "hard" and "soft" news; and they will be introduced to photography composition and developing techniques.

ADVANCED JOURNALISM YEARBOOK

4240 (YEAR)

PREREQUISITE: Successful completion of BEGINNING JOURNALISM, advisory approval, overall 2.0 GPA

GRADE LEVEL: 10-12

DESCRIPTION: Students will be responsible for producing *The Miller*. Editorial positions will be assigned by the advisor. Approval for this course will be determined by a student's performance, grades, level of self-motivation and maturity as demonstrated in Beginning Journalism.

NOTE: *Ad sales are required as part of the curriculum. After-school hours will be required to meet deadlines, and editors will be required to attend summer journalism workshops.*

MYTHOLOGY I

4066-1 (SEMESTER)

PREREQUISITE: None

GRADE LEVEL: 9-12

DESCRIPTION: This course will be divided into Greek and Norse Mythology. Students will study the stories through scripts and discuss the cultural themes. Students will learn how history and traditions impact our culture today.

MYTHOLOGY II

4066-2 (SEMESTER)

PREREQUISITE: Successful completion of MYTHOLOGY I

GRADE LEVEL: 9-12

DESCRIPTION: World Mythology-A closer look at myths from various cultures such as China, Africa, the Americas, Egypt, and the Middle East. There will also be a close study of the legend of King Arthur. This course will study the similarities found in mythology and legends from around the world, as well as how past heroes reflect cultural themes, and traditions and how they impact our culture of today.

PHOTOGRAPHY

2885 (SEMESTER)

PREREQUISITE: None

GRADE LEVEL: 9-12

DESCRIPTION: The purpose of this course is to enable students to develop an appreciation for the art of photography. This class will focus primarily on the aspects of digital photography yet the basics of darkroom

procedures required for developing film will also be emphasized. This class spans the realm of visualizing the subject matter, to making a print that has been fully manipulated via photo editing software. A class set of cameras will be made available, students who use cameras will be held liable for any damages incurred.

TRANSITIONAL ENGLISH

1313 (YEAR)

PREREQUISITE: A score of 3.0 or less on WIDA assessment

GRADE LEVEL: 9-12

DESCRIPTION: The goal of the class is for non-native English speakers to have access to standard-based curriculum and to receive credit for 9th, 10th, 11th and 12th grade English Language Arts.

NEWSPAPER

4150 (YEAR)

PREREQUISITE: Successful completion of BEGINNING JOURNALISM, advisory approval, overall 2.0 GPA

GRADE LEVEL: 10-12

DESCRIPTION: Students in this course are responsible for producing The Insight, Yukon High School's newspaper. This course also focuses on in-depth reporting and peer editing. Students must have excellent writing and design skills and must possess a willingness to become proficient on computers. **NOTE: After School hours will be required to meet deadlines and editors will be required to attend summer journalism workshops.**

Family, Career, and Community Leaders of America (FCCLA) is an integral part of Family and Consumer Science (FACS) courses. Students are strongly encouraged to become members. While being a member, students will have the opportunity to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$20.00 which includes local, state, and national memberships. <http://fcclainc.org/>

FAMILY AND CONSUMER SCIENCES (FACS)

FAMILY AND CONSUMER SCIENCE (FACS) BASIC

8415 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 9-11

DESCRIPTION: This is a comprehensive study intended to generate basic knowledge and skills in child development, clothing and textile, consumer education, food and nutrition, housing and home furnishings, personal development, and family relationships. Attention is also focused on assisting students in career exploration.

Students are encouraged to join FCCLA to enhance their high school experience.

FASHION DESIGN I

8413 (YEAR)

PREREQUISITE: FACS BASICS

GRADE LEVEL: 9-12

DESCRIPTION: An introductory course that provides students with the most current information about the basic concepts and business aspects of fashion marketing and merchandising. It introduces students to the field of fashion promotion and provides foundational fashion concepts related to economics, textiles, and design. Basic fashion concepts and marketing terminology, fashion cycles, key components of the fashion industry, retail

merchandise categories, and fashion promotion. Current issues related to industry globalization, social media, and sustainability as well as essential career skills and career opportunities will be explored. Student leadership through Family, Career and Community Leaders of America (FCCLA) is an integral part of this course.

FASHION DESIGN II

8425 (YEAR)

PREREQUISITE: FACS BASICS; FASHION DESIGN I

GRADE LEVEL: 10-12

DESCRIPTION: This course introduces students to basic apparel design and construction skills. Students will examine the elements and principles of design, plan a wardrobe, how to properly care for clothing, select appropriate fabrics for a selected pattern, learn operations of sewing technology and equipment as well as applying basic sewing skills. Student leadership through Family, Career and Community Leaders of America (FCCLA) is an integral part of this course.

CULINARY BASIC SKILLS

8426 (YEAR)

PREREQUISITE: FACS BASICS

GRADE LEVEL: 9-12

DESCRIPTION: This course will focus on learning and practicing basic culinary skills and techniques used in the food industry focusing on the use of commercial kitchen equipment and quantity cooking. Students will be introduced to culinary vocabulary, safety, and sanitation, history of the food industry, mise en place, ingredients, equipment, principles, and techniques of cooking, and will learn to prepare food and present it in a fun, professional team environment. All basic cooking methods such as blanching, poaching, boiling, steaming, sauteing, braising, roasting, baking, etc. will be covered. **These techniques will be practiced by the students with off-site catering opportunities and field trips, as well as in-house (YPS School District Activities/Events) that will be required.** Full chef uniform is provided for outside activities. Chef uniform will be returned at end of course. **Students will be financially responsible for purchasing an approved knife kit and black, closed-toe kitchen shoes.**

HUMAN GROWTH AND DEVELOPMENT

8471 (YEAR)

PREREQUISITE: FACS Basic

GRADE LEVEL: 9-12

DESCRIPTION: Students will examine human development across the lifespan. From newborn to older adulthood, people continue to develop and change physically, cognitively, socially, and emotionally. Family trends, cultural diversity, health, and safety are included. *Student leadership through Family, Career and Community Leaders of America (FCCLA) is an integral part of this course.*

LIFETIME NUTRITION AND WELLNESS

8474 (YEAR)

PREREQUISITE: FACS Basic

GRADE LEVEL: 9-12

DESCRIPTION: A laboratory course in which students use nutrition knowledge to make informed choices to promote lifetime wellness, the importance of healthy eating and physical activity across the lifespan. Students will learn safe food handling practices, healthy menu planning, food preparation techniques, and how to recognize sources of stress and healthy strategies to reduce the impact of stress on total wellness. Needs of the

competitive athlete are also addressed. *Student leadership through Family, Career and Community Leaders of America (FCCLA) is an integral part of this course.*

HEALTH, PHYSICAL EDUCATION, RECREATION, & DANCE (HPERD)

NO MORE THAN FOUR UNITS (8 YPS CREDITS) OF PHYSICAL EDUCATION/ATHLETICS MAY BE COUNTED TOWARD THE UNITS REQUIRED FOR GRADUATION.

COMPETITIVE SPORTS

See Counselor for Codes (SEMESTER or YEAR)

PREREQUISITE: None

GRADE LEVEL: 9-12

DESCRIPTION: Athletics is offered in a variety of sports throughout the year. Cross-country is a first-semester sport only. Golf and track are second-semester sports only. Varsity football, softball, and baseball may be year-round sports. Enrollment in all sports requires the approval of respective coaches. Some sports will have tryouts. A yearly physical is required.

HEALTH & WELLNESS

3310 (SEMESTER)

PREREQUISITE: None

GRADE LEVEL: 9-12

DESCRIPTION: This course will explore factors that affect health and wellness. Topics will include proper nutrition, the importance of exercise and the negative effects of smoking and drugs.

PHYSICAL EDUCATION

3320 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 9-12

DESCRIPTION: Students will learn a variety of sports and activities that can be used for a lifetime of healthy living. Students will learn basic offensive and defensive patterns and rules for a variety of sports. Students will also increase their health vocabulary and obtain general information on health and nutrition. A willingness to participate in an exercise program on a daily basis. A desire to learn more about wellness and fitness.

PHYSICAL EDUCATION: LIFE & LEISURE

3320-69 (YEAR)

PREREQUISITE: Teacher permission

GRADE LEVEL: 9-12

DESCRIPTION: Life and Leisure is a physical activity class that focuses on various Special Olympics events throughout the school year. This class is co-taught by a teacher certified in Physical Fitness and a certified Special Olympics coach/special education teacher. This class is designed to educate students about fitness and healthy lifestyles while teaching various sports. Activities will include aerobics, strength training, team, and

individual sports, and leisure activities. The students enrolled in the class should be participants in Special Olympics either as a Special Olympics Athlete or Unified Partner.

STRENGTH & CONDITIONING

See Counselor for Codes (YEAR)

PREREQUISITE: enrolled in a competitive sport or committed to trying out for a Spring Sport

GRADE LEVEL: 9-12

DESCRIPTION: This course is limited to students enrolled in athletics. To enroll in this class you must enroll in seven (7) classes. See your coach for more information.

INTERNSHIP

INTERNSHIP I

2790 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: This course provides work-based activities in which students engage in learning through practical and relevant experiences at various internship sites. Internships are targeted to the students' meaningful future plans and allow high school juniors and seniors the opportunity to explore careers that require additional degrees, certifications, or on-the job training following high school. Model internships are planned, structured, and evaluated by both the site supervisor and the internship coordinator. Effective internships provide opportunities for students to develop an understanding of the career area duties and responsibilities, terminology, climate, protocol, and other pertinent information that will enable interns to analyze and revise their meaningful future plans. Selection criteria will involve an application process.

INTERNSHIP II

2791 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 12

DESCRIPTION: This course is a continuation of INTERNSHIP I, allowing work-based activities established in the previous year to engage students in learning through practical and relevant experiences at various internship sites. Internships are targeted to the students' meaningful future plans and allow high school juniors and seniors the opportunity to explore careers that require additional degrees, certifications, or on-the job training following high school. Model internships are planned, structured, and evaluated by both the site supervisor and the internship coordinator. Effective internships provide opportunities for students to develop an understanding of the career area duties and responsibilities, terminology, climate, protocol, and other pertinent information that will enable interns to analyze and revise their meaningful future plans. Selection criteria will involve an application process. Available internships are determined on a yearly basis.

- Agriculture, Food, & Natural Resources
- Architecture & Construction
- Arts, A/V Technology & Communications
- Business Management & Administration
- Education & Training
- Finance

- Government & Public Administration
- Health Science
- Hospitality & Tourism
- Human Services
- Information Technology
- Law, Public Safety, Corrections, & Security
- Manufacturing
- Marketing
- Science, Technology, Engineering, & Mathematics
- Transportation, Distribution, & Logistics

LEADERSHIP

LEADERSHIP

2760 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 9-12

DESCRIPTION: Experiences will include representative student government and human relations. More specifically, students will work together to plan, develop, and manage various school projects such as freshman orientation, elections, assemblies, community service, and special school projects. Work will be completed both in class and after school.

PEER TO PEER LEVEL I

2760-PL1 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 10-12

DESCRIPTION: This class is designed for general education students interested in developing leadership skills and learning about students with disabilities. The students work together in an integrated, positive fashion, to promote socialization, independence, and strong friendship bonds that last throughout high school and beyond. It will give students the ability to expose students to new social opportunities and expand their support network.

PEER TO PEER LEVEL II

2760-PL2 (YEAR)

PREREQUISITE: Successful Completion of PEER TO PEER LEVEL I

GRADE LEVEL: 10-12

DESCRIPTION: This class is designed for general education students who have successfully completed Peer to Peer Level I and who are interested in furthering their leadership skills and learning more about students with disabilities. The students work together in an integrated, positive fashion, to promote socialization, independence, and strong friendship bonds that last throughout high school and beyond. It will give students the ability to expose students to new social opportunities and expand their support network. Students will go into other special education classes throughout the district to work with students with disabilities.

MATHEMATICS

Students that satisfactorily completed Algebra I in the 7th or 8th Grade:

- High School courses taken as a middle school student will appear on the high school transcript. These courses will not count as one of the four math courses required for graduation. The National Collegiate Athletic Association (NCAA) also does not recognize courses taken in middle school for high school credit as counting toward the required two years of high school mathematics.
- A student must satisfactorily complete four years of math during 9th-12th grade, regardless of math courses completed during 7th or 8th grade.
- A student can satisfactorily waive the fourth year of required math by successfully completing one year of study as a junior or senior at Canadian Valley Technical Center. See your counselor for more details.
- Satisfactory completion of one semester of college math taken through concurrent enrollment from an accredited Oklahoma college or university during the senior year will satisfy the district requires that a student complete four units of mathematics to be eligible for graduation.

NINTH GRADE MATHEMATICS ENROLLMENT RECOMMENDATIONS

All Freshmen will enroll in Algebra I unless the course has been taken and successfully passed in the 7th or 8th grade. If a student did not make an "A" or "B" in Algebra I, it is suggested that the student repeat Algebra I.

ALGEBRA I

4411 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 9

DESCRIPTION: This course expands student understanding of linear equations with one variable and linear functions. Students deepen their knowledge of multiple representations of data and situations. They will develop mathematical reasoning by using a variety of representations to solve and communicate solutions in real-world situations. Students will achieve procedural fluency in the four major strands: Number and Operations; Algebraic Reasoning and Algebra, solving linear equations and inequalities, using them to solve real-world problems, and evaluating expressions; Functions, recognize functions and their families in real-world; and Data and Probability. Algebra I is the high school course to prepare students for Geometry and Algebra II concepts.

GEOMETRY

4520 (YEAR)

PREREQUISITE: ALGEBRA I

GRADE LEVEL: 9-12

DESCRIPTION: The mathematics learning experience in Geometry centers on Reasoning & Logic, Two & Three-Dimensional shapes including Circles, and Right Triangles. Students have been introduced to most of these topics as early as fourth grade, but mainly in seventh grade and Pre-Algebra. Students in this course will extend their knowledge about basic shapes of finding surface area and volume to include logical reasoning, problem-based activities and the use of trigonometric ratios. Real world applications and problem-solving strategies will be integrated throughout the course.

ACCELERATED GEOMETRY

4520-72 (YEAR)

PREREQUISITE: Algebra I

GRADE LEVEL: 9-12

DESCRIPTION: In addition to the concepts presented in Geometry, this class will include writing of two-column proofs, drawing of concurrent lines and various projects. Outside projects will be required.

ALGEBRA II

2760-PL1 (YEAR)

PREREQUISITE: ALGEBRA I & GEOMETRY**GRADE LEVEL:** 9-12

DESCRIPTION: The mathematics learning experience in Algebra II builds on the student's prior experiences of functions in Algebra I. Students in this course will develop a sophisticated mathematical understanding of the world around them as they interpret real-world phenomena through functions. They will be exposed to problem-solving processes and communicate their procedures and results mathematically. Students will achieve procedural fluency resulting from a conceptual understanding of the four major strands: Numbers and Operations, including complex numbers; Algebraic Reasoning and Algebra, solving nonlinear equations and using them to solve real-world problems; Functions, performing operations with functions, inverse functions, and interpreting characteristics of functions and their graphs; and Data & Probability. Algebra II is a springboard to upper-level math courses and career paths.

ACCELERATED ALGEBRA II

4412-72 (YEAR)

PREREQUISITE: ALGEBRA I & GEOMETRY**GRADE LEVEL:** 9-12

DESCRIPTION: Algebra II builds on the student's prior experiences of functions. Students in this course will develop a sophisticated mathematical understanding of the world around them as they interpret real-world phenomena through functions. They will be exposed to problem-solving processes and communicate their procedures and results mathematically. Students will achieve procedural fluency resulting from a conceptual understanding of the four major strands: Numbers & Operations, including complex numbers; Algebraic Reasoning & Algebra, solving nonlinear equations and using them to solve real-world problems; Function operations, inverse functions, interpreting characteristics and their graphs; and Data and Probability. Accelerated Algebra II is a springboard to upper-level math courses such as Accelerated Pre-Calculus and AP Calculus or AP Statistics. The Accelerated Algebra II course moves at a faster pace and covers additional topics.

ACCELERATED PRE-CALCULUS

4611-72 (YEAR)

PREREQUISITE: ALGEBRA I, GEOMETRY, & ALGEBRA II**GRADE LEVEL:** 10-12

DESCRIPTION: This course follows the six trigonometric functions and their applications to real world problems, the introduction and solving of the trigonometric identities conversions of radians to degrees and degrees to radians, solving right triangles and oblique triangles using the law of sines and cosines, and introduces the students to vectors. This course develops an analytic model of plane geometry. The course discusses the graphs of functions in polar and rectangular forms, solving ratio, slope, and distance problems using formulas: transforming rectangular coordinates to polar coordinates and polar to rectangular; writing equations of lines, circles, parabolas, ellipses, and hyperbolas.

AP CALCULUS AB

4615-75 (YEAR)

PREREQUISITE: Algebra I, Geometry, Algebra II, & Accelerated Pre-Calculus**GRADE LEVEL:** 11-12

DESCRIPTION: This course is intended for students who have a thorough knowledge of college preparatory mathematics. A brief review of Accelerated Pre-Calculus is given, first and second derivatives are determined; and their use is developed by solving maximum and minimum problems and related rate problems, calculating definite and indefinite integrals, limits, graphing polynomial functions as x , finding acceleration, velocity, volume, and area using derivatives and integrals. Students scoring a 3 or better on the Advanced Placement Exam may earn college credit. **Students will be financially responsible for the cost of the exam, which is approximately \$100.00.**

AP STATISTICS

4760-75 (YEAR)

PREREQUISITE: Algebra I, Geometry, Algebra II, & Accelerated Pre-Calculus

GRADE LEVEL: 11-12

DESCRIPTION: This course is intended for students with mathematical maturity and quantitative reasoning abilities. Using knowledge from topics up to Algebra II, the AP Statistics course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes evident in the content, skills and assessments in the course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving and writing as they build conceptual understanding. Students scoring a 3 or better on the Advanced Placement Exam may earn college credit. **Students will be financially responsible for the cost of the exam, which is approximately \$100.00.**

COLLEGE CAREER MATH READY

4550 (YEAR)

PREREQUISITE: Passing score in Algebra II, ACT math subscore (13-18) or SAT math subscore of (330-520)

GRADE LEVEL: 12

DESCRIPTION: This course is geared to students who wish to raise their ACT or SAT math subscore and are not yet ready for college math. The course emphasizes an understanding of math concepts, as opposed to memorizing facts. Math Ready students learn the context behind procedures and come to understand the "whys" of using certain formulas or methods to solve a problem. By engaging students in real-world applications, this course develops critical-thinking skills that students will use in college and careers. **NOTE: This course counts as a fourth-year math credit for YPS graduation requirements. However, it is not recognized as a core math credit by NCAA or Oklahoma's Promise Program.**

STATISTICS

4740 (YEAR)

PREREQUISITE: ALGEBRA I, GEOMETRY, & ALGEBRA II

GRADE LEVEL: 12

DESCRIPTION: This course is designed to prepare students for success in postsecondary careers and college courses in a world where all adults need statistical literacy - concepts of data analysis, statistics, and probability - to make informed decisions in life and work. Students build on the conceptual knowledge and skills they mastered in previous mathematics courses. In Statistics and Probability, students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. They will learn what it means to ask a statistical question, collect appropriate and useful data to answer that question, analyze results from that data, and interpret their results to make connections with the initial question.

This course prepares students for colleges and careers, but is not designed to prepare students for a College Board Advanced Placement exam.

PRE-CALCULUS

4611 (YEAR)

PREREQUISITE: ALGEBRA I, GEOMETRY, & ALGEBRA II

GRADE LEVEL: 12

DESCRIPTION: Precalculus is a mathematics course option for students in preparation for calculus. Students build on the conceptual knowledge and skills they mastered in previous mathematics courses. These courses combine concepts of trigonometry, geometry, and functions to deepen students' mathematical understanding and

fluency. Students will extend their ability to reason mathematically, develop multiple strategies for analyzing complex mathematical situations, and explore real-world problems.

MEDICAL PROFESSION ACADEMICS

HOSA - Future Health Professionals is an integral part of all Medical Profession Academic courses. Students are strongly encouraged to become members. While being a member, students will have the opportunity to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$20.00 which includes local, state, and national memberships. <http://www.hosa.org/>

MEDICAL PROFESSIONS I*

8551 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Emergency first aid skills and sports medicine principles are incorporated to give students a solid background in the exciting health industry. Students will become first aid and CPR certified while training to assess injuries and provide emergency medical care. Students will also create an injury prevention program including a physical exam, conditioning program, equipment fitting, and nutrition. This class consists of both classroom and laboratory instruction.

Students enrolled in this course will be required to register for Dual Credit with SWOSU. The cost is approximately \$155 for this 3-hour college credit course.

MEDICAL PROFESSIONS II*

8552 (YEAR)

PREREQUISITE: MEDICAL PROFESSIONS I

GRADE LEVEL: 11-12

DESCRIPTION: This course is designed for students interested in pursuing a career in the health industry. Students will learn the medical vocabulary used by healthcare professionals and apply the terminology to medical issues with realistic scenarios. Students are asked to work together to research, problem-solve and present findings.

Students enrolled in this course will be required to register for Dual Credit with SWOSU. The cost is approximately \$155 for this 3-hour college credit course.

MUSIC

AP MUSIC THEORY

3055-75 (YEAR)

PREREQUISITE: Teacher approval

GRADE LEVEL: 10-12

DESCRIPTION: This course will be introducing and developing the student in musicianship, theory, musical materials, and procedures. It may emphasize one aspect of music, such as harmony; more often, however, it integrates aspects of melody, harmony, texture, rhythm, form, musical analysis, elementary composition, and, to some extent, history and style. Musicianship skills such as dictation and other listening skills, sight singing, and

keyboard harmony are considered an important part of the theory course. The student's ability to read and write musical notation is fundamental to such a course. It is required that the student will have acquired performance skills in voice or an instrument. This course is a self-motivated class and will require daily note taking and neat handwriting skills. Students scoring a 3 or better on the Advanced Placement Exam may earn college credit. Students will be financially responsible for the approximate cost of the AP Exam of \$100.00.

BAND

3001 (YEAR)

PREREQUISITE: Successful completion of previous year's band course

GRADE LEVEL: 9-12

DESCRIPTION: This group includes both marching and concert bands and students are required to participate in both areas. The marching season begins in late July and extends through football season. Students are required to attend the marching rehearsals starting in late July. Students are encouraged to participate in solo and ensemble contests. Early morning (before school) rehearsals will be held periodically throughout the year and attendance is required. Previous knowledge of an instrument is required before enrolling in Band. **Students are required to attend all functions of the band and to devote time to improving themselves on their instruments. This course requires a class fee.**

MEN'S CHORALE

3071-M (YEAR)

PREREQUISITE: None

GRADE LEVEL: 9-12

DESCRIPTION: Non-audition class. OSSAA eligibility applies. Students in Men's Chorale will study a variety of choral literature, music theory, sight reading, and general chorale studies. This course is designed to introduce basic vocal technique, ear training skills, and music preparation. Men's Chorale will participate in community performances, concerts, and state competitions. **This course requires a class fee..**

WOMEN'S CHORALE

3071-W (YEAR)

PREREQUISITE: None

GRADE LEVEL: 9-12

DESCRIPTION: Non-audition class. OSSAA eligibility applies. Students in Women's Chorale will study a variety of choral literature, music theory, sight reading, and general chorale studies. This course is designed to introduce basic vocal technique, ear training skills, and music preparation. Women's Chorale will participate in community performances, concerts, and state competitions. **This course requires a class fee.**

COLLA VOCE

3072 (YEAR)

PREREQUISITE: Audition

GRADE LEVEL: 9-12

DESCRIPTION: OSSAA Eligibility applies.

Students in Colla Voce will study a variety of choral literature, music theory, sight reading, and general choral studies. This course is designed to reinforce vocal technique, ear training skills, and music preparation. This is an auditioned choir with four, six, and eight part singing. Colla Voce participates in community performances, concerts, workshops, and state competitions. **This course requires a class fee.**

JAZZ ENSEMBLE

3022 (YEAR)

PREREQUISITE: Audition

GRADE LEVEL: 9-12

DESCRIPTION: This course is for the serious musician intent upon advancing his/her talent in instrumental music. Self-discipline, poise, self-confidence, positive attitude, and cooperation with others are qualities that are nurtured in this class. Performance is emphasized. All types of pop music are studied: ballad, rock, swing time and improvisation. Students are selected from the High School Band and must remain members in good standing of the Yukon High School Band.

SCIENCE

BIOLOGY I

5031 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 9

DESCRIPTION: This course will examine the experimentation procedures of the scientific world, the processes and structural organization of living organisms, and their relationship to the living world. Some major topics include evolution, cells, genetics and ecology. This course will be taught through a variety of methods including but not limited to the following: research papers, laboratory activities, reading, and Internet activities.

ACCELERATED BIOLOGY

5031-72 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 9

DESCRIPTION: This course is designed to prepare the student for a college level introductory biology course. This is a recommended course for anyone wishing to enroll in AP Biology and will be fast paced with a strong laboratory component. Students must exercise exceptional organizational skills in order to meet the demands of this course and should expect homework several times a week. This course involves reading assignments, laboratory activities, and lessons that are Internet based; students enrolled in this course must be self-motivated and willing to complete these activities, occasionally on their own, by deadlines. Exams, laboratories, and assignments will be focused on and extending the student's knowledge of concepts for the AP Biology course. Good math and writing skills are a must.

AP BIOLOGY

5035-75 (YEAR)

PREREQUISITE: BIOLOGY and CHEMISTRY

GRADE LEVEL: 10-12; approval required for 10th grade students

DESCRIPTION: The AP Biology course is equivalent to a two-semester college introductory biology course for biology majors. This course builds upon the knowledge gained in the prerequisite Biology and Chemistry courses and will be very fast paced with a strong laboratory component. Students must exercise exceptional organizational skills in order to meet the demands of this course and should expect homework several times a week. This course involves reading assignments, laboratory activities, and lessons that are student-centered. Students enrolled in this course must be self-motivated and willing to complete these activities, occasionally on their own, by deadlines. Laboratory, text assignments, projects, and exams will be focused on developing student inquiry and reasoning skills. Exams, quizzes, and writing practice will be designed to prepare students for the AP

Biology Exam. Students scoring a 3 or better on the Advanced Placement Exam may earn college credit. Students will be financially responsible for the cost of the exam, which is approximately \$100.00.

Recommended: “A” or “B” in prerequisite courses.

10th grade students enrolling in the course should be highly motivated and must concurrently enroll in Chemistry.

CHEMISTRY

5051 (YEAR)

PREREQUISITE: ALGEBRA I and BIOLOGY

GRADE LEVEL: 10-12

DESCRIPTION: This course covers the basic principles of chemistry focusing on the structure and function of matter in the physical world. Application of theories and principles that govern chemistry will be practiced through extensive use of the laboratory, modeling, reading, writing, and Internet activities. Students should be proficient in math and writing.

This course satisfies the State and District requirements for a unit of Physical Science.

ACCELERATED CHEMISTRY

5051-72 (YEAR)

PREREQUISITE: ALGEBRA I and BIOLOGY

GRADE LEVEL: 10-12

DESCRIPTION: Students must exercise exceptional organizational skills in order to meet the demands of this course and should expect homework several times a week. This course will be focused on the key ideas of chemical formulas, equations and stoichiometric calculations. This course is intended to prepare students for subsequent courses in chemistry, namely AP Chemistry. An interest in an intellectually challenging atmosphere is a necessary qualification for this course. **This course satisfies the State and District requirements for a Physical Science.** The material reflects the curriculum standards set by the College Board for this course.

Recommended: “A” or “B” in prerequisite courses.

Students enrolled in Accelerated Algebra II are highly encouraged to enroll.

AP CHEMISTRY

5055-75 (YEAR)

PREREQUISITE: CHEMISTRY or ACCELERATED CHEMISTRY

GRADE LEVEL: 11-12

DESCRIPTION: This college-level course will be fast paced with a strong lab component. Students must exercise exceptional organizational skills in order to meet the demands of this course and should expect homework several times a week. This is a course designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials of chemistry. The program prepares students for college courses by making demands upon them equivalent to those full-year introductory college courses. Students will learn to assess scientific materials, their relevance to given interpretive problems, their reliability and their importance, and weigh the evidence and interpretations presented in scientific scholarship. The advanced placement chemistry course will develop skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively. Labs, assignments, projects, and exams will be focused on key ideas of the AP Chemistry course and designed to prepare you for the AP exam in May. Students scoring a 3 or better on the Advanced Placement Exam may earn college credit.

Students will be financially responsible for the cost of the exam, which is approximately \$100.00.

Recommended: “A” or “B” in prerequisites.

PHYSICS

5211 (YEAR)

PREREQUISITE: ALGEBRA I and BIOLOGY

GRADE LEVEL: 10-12

DESCRIPTION: This course will examine the physical aspect of how the world works. General areas of study will include concepts of mechanics, heat, light, sound, magnetism, electricity and nuclear structure. The format will include lecture, discussion, problem solving, and laboratory work. Quantitative skills learned in algebra will be employed in the problem solving concepts covered. **This course meets the state and district requirement for one unit of a Physical Science course.**

AP PHYSICS I: ALGEBRA-BASED

5213-75 (YEAR)

PREREQUISITE: ALGEBRA I and BIOLOGY; Successful completion of Algebra 2 is recommended

GRADE LEVEL: 10-12

DESCRIPTION: This college-level course will be fast paced with a strong lab component. Students must exercise exceptional organizational skills in order to meet the demands of this course and should expect homework several times a week. The course covers motion in 1 and 2 dimensions, Newton's Laws, work, energy, waves and electric circuits. This course will be taught through a variety of concrete methods including, but not limited to: research papers, laboratory activities, reading and other methods. Labs, assignments, projects, and exams will be focused on key ideas of the AP Physics course and designed to prepare you for the AP exam in May. Students scoring a 3 or better on the Advanced Placement Exam may earn college credit. Students will be financially responsible for the cost of the exam, which is approximately \$100.00.

Recommended: "A" or "B" prerequisites.

Students may take AP Physics I or Physics, but cannot earn credit for both. This course meets the state and district requirement for one unit of a Physical Science course.

ASTRONOMY

5020 (SEMESTER)

PREREQUISITE: None

GRADE LEVEL: 10-12

DESCRIPTION: This class is an inquiry-based science which will focus on the fundamental study of the universe. It will primarily explore the life cycle of stars, the physics of planetary motion, and relationships within our solar system and its relation to other galaxies. Students will explore these phenomena through a sequence of lab activities where they will make observations, analyze data, do research, and problem solve in order to develop an understanding of how these forces of nature affect Earth. This course will be taught through lecture, activities, laboratory activities, and projects. **10th grade students who enroll in this advanced science course must concurrently enroll in Chemistry or Physics.**

BOTANY

5040 (YEAR)

PREREQUISITE: BIOLOGY

GRADE LEVEL: 10-12

DESCRIPTION: This course is an in-depth study of the plant kingdom with a concentration on plant anatomy and physiology, genetics, classification, and ecological issues. The class will be taught through a variety of methods including lecture and discussion, modeling, dissection, and group activities. The overall objective is to provide "hands-on" learning activities to allow students to see the diversity and unity of plant life. **10th grade students who enroll in this advanced science course must concurrently enroll in Chemistry or Physics.**

EARTH AND SPACE SCIENCE

5061 (SEMESTER)

PREREQUISITE: None

GRADE LEVEL: 10-12

DESCRIPTION: Earth Science is a course focusing on the study of the Earth's lithosphere and hydrosphere. Students enrolled in this course analyze and describe Earth's interconnected systems and how they are changing due to natural processes and human influence. Topics covered include rocks, minerals, natural resources, geologic processes on Earth's surface, plate tectonics, natural hazards, geologic history, atmosphere, weather, and climate. Students will explore these phenomena through a sequence of lab activities where they will make observations, analyze data, do research, and problem solve in order to develop an understanding of how these forces of nature affect Earth. This course will be taught through lecture, activities, laboratory activities, and projects. **10th grade students who enroll in this advanced science course must also be concurrently enrolled in Chemistry or Physics.**

ENVIRONMENTAL SCIENCE

5120 (YEAR)

PREREQUISITE: BIOLOGY

GRADE LEVEL: 11-12

DESCRIPTION: Environmental Science provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and man-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Environmental science is a multidisciplinary science. Environmental scientists search for viable solutions to environmental problems. The main focus will be to attempt to understand how the biosphere changes naturally and human activities alter it.

AP ENVIRONMENTAL SCIENCE*

5121-75 (YEAR)

PREREQUISITE: BIOLOGY

GRADE LEVEL: 11-12

DESCRIPTION: This course is designed to be the equivalent of a one-semester, introductory college course in environmental science. This course will be fast paced with a strong lab component. Students must exercise exceptional organizational skills in order to meet the demands of this course and should expect homework several times a week. The course will examine the methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and man-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Labs, assignments, projects, and exams will be focused on the big ideas of environmental science and will prepare students for the AP exam in May. Students scoring a 3 or better on the Advanced Placement Exam may earn college credit. **Students will be financially responsible for the cost of the exam, which is approximately \$100.00.**

Students enrolled in this course will be required to register for Dual Credit with SWOSU. The cost is approximately \$155 for this 3-hour college credit course.

Recommended: "A" or "B" in prerequisite courses.

FORENSIC SCIENCE

5334 (YEAR)

PREREQUISITE: CHEMISTRY or PHYSICS

GRADE LEVEL: 11-12

DESCRIPTION: This advanced-level course focuses on the skills and concepts behind crime scene investigation and forensic science. Whether the student desires to be a crime scene investigator or forensic lab technician, this course will hone the student's investigative skills and review a wide range of science concepts. Students will review physics, chemistry, anatomy, cell biology, and environmental science in the process of learning about forensic science. Students will engage in lectures, labs, case studies, online activities, and possible professional visits as part of this course. This is a practical application course with emphasis on lab work.

HUMAN ANATOMY AND PHYSIOLOGY

5333 (YEAR)

PREREQUISITE: BIOLOGY

GRADE LEVEL: 11-12

DESCRIPTION: This advanced-level course is a complete overview of the human body designed for students interested in a career in the health field. The goal of the class is to examine the structure and function of the major body systems. Students will start at the cellular level and build their knowledge base to understand how the human body works to maintain life. This class will be taught through a variety of methods including lecture and discussion, hands-on and student-centered learning group activities, laboratory activities, dissections and human replica models. The student will receive college-based laboratory experience and an understanding of the human body in its entirety.

ZOOLOGY

5240 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 10-12

DESCRIPTION: This course will be a study of the animal kingdom with a concentration on comparative anatomy and physiology through dissection, lecture notes and lab activities. The overall objective will be to provide "hands-on " learning activities to allow students to see the diversity and unity of animal life beginning with sponges and working up by levels of hierarchy. **10th grade students who enroll in this advanced science course must also be concurrently enrolled in Chemistry or Physics.**

SCIENCE, TECHNOLOGY,
ENGINEERING, &
MATHEMATICS (STEM)

AVIATION I

8874 (YEAR) PATHWAY: AVIATION

PREREQUISITE: None

GRADE LEVEL: 9

DESCRIPTION: The course provides an introduction to the basics and history of aircraft and flight; an exploration of the national airspace system; an understanding of career opportunities in aviation and aerospace; and critical issues affecting the aviation system. Students will learn about engineering practices, problem-solving, and the innovations and technological developments that have made today's aviation and aerospace industries possible. This course provides the foundation for follow-on aviation courses that allow students to pursue private pilot or remote pilot certifications.

AVIATION II

8875 (YEAR) PATHWAY: AVIATION

PREREQUISITE: AVIATION I

GRADE LEVEL: 10-11

DESCRIPTION: This course expands on Aviation I and further explores aircraft and unmanned aerial system design and construction, as well as the aerodynamics and fundamentals of flight. This course includes key concepts included in ground school training for private pilot or remote pilot certifications. Students begin with an exploration of the types of aircraft in use today then learn

how aircraft are made and fly. Students will understand how aircraft are categorized, be able to identify their parts, and learn about aircraft construction techniques and materials. They will gain an in-depth understanding of the forces of flight—lift, weight, thrust, and drag—including how to make key calculations. In the second semester, students learn about the different types of engines that produce thrust to propel an aircraft or UAS. They explore other key aircraft systems, including fuel, electrical, landing gear, and environmental. In order to fly an aircraft safely, students must learn about the flight instruments associated with each system and how to identify and troubleshoot common problems. This course also covers airplane flight manuals, the Pilot's Operating Handbook, and required aircraft documents. Finally, students will learn about the factors that affect aircraft performance and how to determine critical operating data for aircraft.

AVIATION III

8876 (YEAR) PATHWAY: AVIATION

PREREQUISITE: AVIATION II

GRADE LEVEL: 11-12

DESCRIPTION: This course is foundational for both crewed and uncrewed aviation. It will prepare students to take either Federal Aviation Administration tests: the Private Pilot Knowledge Test or the Part 107 Remote Pilot Knowledge Test. Topics include preflight procedures, airspace, radio communications, aviation terminology, regulations, airport operations, aviation safety, weather, cockpit management, and emergency procedures.

Students who complete the two years of Aviation Mechanics can pursue FAA mechanic or repairman certification through work experience or by finishing the required coursework at a FAA certified aviation maintenance program. This pathway is a very hands-on program that utilizes numerous tools throughout the entirety of the program. Students who enroll in this pathway must have a desire to work in the aviation industry.

AVIATION MECHANICS I

8886/8884 (YEAR) PATHWAY: AVIATION MAINTENANCE

PREREQUISITE: None

GRADE LEVEL: 10-12

DESCRIPTION: Students will use computer technology and hands-on projects to learn safety, ground operations and servicing, hand tools and measuring devices, weight and balance, mathematics, and physics for aviation. In the second semester, students will learn maintenance and inspection regulations, aircraft drawing and fluid lines and fittings.

AVIATION MECHANICS II

8887/8885 (YEAR) PATHWAY: AVIATION MAINTENANCE

PREREQUISITE: AVIATION MAINTENANCE I

GRADE LEVEL: 10-12

DESCRIPTION: Students will use technology and hands-on projects to learn the basics of electricity and electronics. In the spring semester, students will learn cleaning and corrosion control and preventative maintenance procedures.

COMPUTER SCIENCE ESSENTIALS (COURSE 1)

8852 (YEAR) PATHWAY: COMPUTER SCIENCE

PREREQUISITE: None

GRADE LEVEL: 9

DESCRIPTION: With an emphasis on computational thinking and collaboration, this year-long course provides an excellent entry point for students to begin or continue the PLTW Computer Science PreK-12 experience. Computer Science Essentials will expose students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build confidence. **This course is an Oklahoma's Promise/OHLAP computer credit.**

AP COMPUTER SCIENCE PRINCIPLES

8851 (YEAR) PATHWAY: COMPUTER SCIENCE

PREREQUISITE: Computer Science Essentials

GRADE LEVEL: 10-12

DESCRIPTION: This course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these concepts are transforming the world we live in. This course is endorsed by the College Board, giving students the opportunity to take the AP CSP Advanced Placement Exam. Students scoring a 3 or better on the Advanced Placement Exam may earn college credit. **This course is an Oklahoma's Promise/OHLAP computer credit.**

COMPUTER SCIENCE PRINCIPLES (COURSE 2)

8860 (YEAR) PATHWAY: COMPUTER SCIENCE

PREREQUISITE: Computer Science Essentials

GRADE LEVEL: 10-12

DESCRIPTION: Using Python® as a primary tool, students learn the fundamentals of coding, data processing, data security, and task automation, while learning to contribute to an inclusive, safe, and ethical computing culture. The course promotes computational thinking and coding fundamentals and introduces computational tools that foster creativity. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. PLTW is recognized by the College Board as an endorsed provider of curriculum and professional development for AP® Computer Science Principles (AP CSP). This endorsement affirms that all components of PLTW CSP's offerings are aligned with the AP Curriculum Framework standards and the AP CSP assessment. **This course is an Oklahoma's Promise/OHLAP computer credit.**

CYBERSECURITY BASICS

8256 (YEAR) PATHWAY: COMPUTER SCIENCE

PREREQUISITE: Computer Science Essentials

GRADE LEVEL: 10-12

DESCRIPTION: Students will learn defense and hardening techniques used in a Windows, Cisco, and Linux environment, along with the ethical behaviors needed to be successful in industry. Essential skills involve math, reading, and keyboarding. **This course is an Oklahoma's Promise/OHLAP computer credit.**

ESPORTS

SEE COUNSELOR FOR COURSE CODE (YEAR)

PREREQUISITE: MANDATORY TRYOUT

GRADE LEVEL: 9-12

DESCRIPTION: Esports is a course, similar to competitive athletics, which provides students with the opportunity to compete in electronic, competitive, and organized gaming. Students enrolled in Esports, will, like many other extra-curricular activities, gain understanding in and develop skills such as collaboration, strategy, communication and problem-solving skills.

STEM 1: INTRODUCTION TO ENGINEERING DESIGN

8855 (YEAR) PATHWAY: PRE-ENGINEERING

PREREQUISITE: None

GRADE LEVEL: 9-10

DESCRIPTION: Introduction to Engineering Design (IED) is a high school engineering course in the PLTW Engineering Program. In IED, students explore engineering tools and apply a common approach to the solution of engineering problems, an engineering design process. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students progress from completing structured activities to solving open-ended projects and problems that require them to plan, document, communicate, and develop other professional skills. Through both individual and collaborative team activities, projects, and problems, students apply systems thinking and consider various aspects of engineering design including material selection, human-centered design, manufacturability, assemblability and sustainability. Students develop skills in technical representation and documentation especially through 3D computer modeling using a Computer Aided Design (CAD) application. As part of the design process, students produce precise 3D-printed engineering prototypes using an additive manufacturing process. Student-developed testing protocols drive decision-making and iterative design improvements. To inform design and problem solutions addressed in IED, students apply computational methods to inform design by developing algorithms, performing statistical analyses, and developing mathematical models. Students build competency in professional engineering practices including project management, peer review, and environmental impact analysis as part of a collaborative design team. Ethical issues related to professional practice and product development are also presented.

STEM II: COMPUTER INTEGRATED MANUFACTURING

8856 (YEAR) PATHWAY: PRE-ENGINEERING

PREREQUISITE: STEM COURSE I

GRADE LEVEL: 10-12

DESCRIPTION: Manufacturing transforms ideas into products. This course provides an opportunity for students to develop a better understanding of this innovative and exciting industry. Students learn about manufacturing processes, product design, robotics, and automation. Students develop their knowledge and skills of Computer Aided Design and Manufacturing to produce products using a Computer Numerical Controlled (CNC) mill. Students apply the knowledge and skills gained in this course as they collaborate to design, build, and program factory system models. Manufacturing provides products we use daily. How can a student become part of it?

STEM III: ENVIRONMENTAL SUSTAINABILITY

8857 (YEAR) PATHWAY: PRE-ENGINEERING

PREREQUISITE: STEM COURSE II

GRADE LEVEL: 11-12

DESCRIPTION: Environmental Sustainability (ES) is a high school-level specialization course in PLTW Engineering. In ES, students investigate and design solutions to solve real-world challenges related to clean drinking water, a stable food supply, and renewable energy. Students are introduced to environmental issues and use the engineering design process to research and design potential solutions. Utilizing the activity-, project-, problem-based (APB) teaching and learning pedagogy, students transition from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. Through both individual and collaborative team activities, projects, and problems, students problem solve as they practice common design and scientific protocols such as project management, lab techniques, and peer review. Students develop skills in designing experiments, conducting research, executing technical skills, documenting design solutions according to accepted technical standards, and creating presentations to communicate solutions. Building enthusiasm for and a real understanding of the role, impact, and practice of environmental sustainability is a primary goal of the course

SPACE ENGINEERING CONCEPTS

8870 (YEAR) PATHWAY: AVIATION

PREREQUISITE: None

GRADE LEVEL: 9-12

DESCRIPTION: This course will provide students the necessary training to compete in StellarXplorers, a national STEM competition sponsored by the Air and Space Forces Association. Students will complete certification in Systems Tool Kit (STK); develop proficiency in spreadsheets; learn basic orbital mechanics; and grow teamwork skills such as collaboration, time management, and group problem-solving. During competition events students complete space design challenges such as orbit determination, satellite component selection, and launch vehicle planning, giving students hands-on experience in skills essential to the military and commercial space industry.

SOCIAL STUDIES

KEYSTONE

2745 (FALL SEMESTER)

PREREQUISITE: None

GRADE LEVEL: 9

DESCRIPTION: Students will be introduced to principles of leadership, study skills, decision-making skills, resume writing, time management, career investigation, post-secondary opportunities, goal-setting, character education, and community service. In addition, students will study personal finance as outlined in the fourteen (14) standards required to fulfill the Personal Financial Literacy graduation requirement.

This course meets the requirements of Personal Financial Literacy.

OKLAHOMA HISTORY

5615 (SPRING SEMESTER)

PREREQUISITE: None

GRADE LEVEL: 9

DESCRIPTION: Oklahoma History is a general survey course that examines the geographic and historic foundations of the state. Oklahoma's past is studied from its prehistory to the present. Particular emphasis is given to the relocation of the Five Civilized Tribes and the opening of the Indian Territory for white settlement. This semester course will include the cultural, economic, and political development of Oklahoma. **ACCELERATED OKLAHOMA HISTORY may also fulfill this requirement.**

WORLD HISTORY

5731 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 10

DESCRIPTION: This course is a general survey of the history of mankind. The focus is on political, social, economic and scientific changes that have worked to shape the world in which we live today. A balance of

western and non-western cultures is sought as well as an attempt to cover all time periods in history from prehistory, ancient, Middle Ages, to modern times. **AP EUROPEAN HISTORY may also fulfill this requirement.**

AP EUROPEAN HISTORY

5735-75 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 10-12

DESCRIPTION: This Advanced Placement history course will entail the study of European history from 1450 to the end of the Cold War, and will introduce the students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop (a) an understanding of some of the principal themes in modern European History, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing. Students scoring a 3 or better on the Advanced Placement Exam may earn college credit. Students will be financially responsible for the cost of the exam, which is approximately \$100.00. **Can be taken to fulfill WORLD HISTORY requirement.**

U.S. HISTORY

5410

PREREQUISITE: None

GRADE LEVEL: 11

DESCRIPTION: This history course includes the social, economic, and political development of the United States from Reconstruction to the present day. Major emphasis is placed on World War I, the Great Depression, World War II, and the expansion of the United States' influence in the modern world. **AP U.S. HISTORY may also fulfill this requirement.**

AP U.S. HISTORY

5415-75 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11

DESCRIPTION: This course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in American History, colonization to the present. The program prepares students for intermediate and advanced college courses. Students will learn to assess historical materials and weigh the evidence and interpretations in historical scholarship. The course is designed for the student who has a serious interest in history. Students scoring a 3 or better on the Advanced Placement Exam may earn college credit. **Students will be financially responsible for the cost of the exam, which is approximately \$100.00.**

Recommended: "B" average in Freshman & Sophomore English and History courses. Can be taken to fulfill U.S. HISTORY requirement.

U.S. GOVERNMENT

5541 (SEMESTER)

PREREQUISITE: None

GRADE LEVEL: 12

DESCRIPTION: American Government will focus on the functions and events leading to the creation of the federal system. Comparisons will be made between the different government and economic systems. The course will cover historical events that occurred in America from colonization until the present. Emphasis will be placed on the Constitution and the inner workings of the three branches of government. **AP U.S. GOVERNMENT & POLITICS may also fulfill this requirement.**

AP U.S. GOVERNMENT & POLITICS

5546-75 (2ND SEMESTER)

PREREQUISITE: None

GRADE LEVEL: 12

DESCRIPTION: This course is equivalent to a college introductory course in government. The course is designed to give students a critical perspective on politics and government in the U.S. and prepare students for the AP Exam. The class involves studies of general concepts and analysis of specific case studies. Extensive reading and homework will be required.

Students may earn college credit by electing to take the Advanced Placement exam in May. **Students will be financially responsible for the cost of the exam, which is approximately \$100.00.**

Can be taken to fulfill U.S. GOVERNMENT requirement.

SENIOR CAPSTONE

5442CP (SEMESTER)

PREREQUISITE: None

GRADE LEVEL: 12

DESCRIPTION: This course will walk seniors through post-secondary options of college and career and personal finance. Students will perform in-depth career exploration, choose an industry they can envision a future career in, and develop a plan to pursue their goal in that industry.

Students will also research colleges and how to apply to those colleges as well as apply for grants and financial aid.

This course also explores the financial obligations and decisions that await them after high school and will cover the Financial Literacy requirements needed to graduate.

AP HUMAN GEOGRAPHY

5790-75 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 12

DESCRIPTION: This course introduces the student to the importance of spatial organization: the location of places, people, events, and the connections among places and landscapes in the understanding of human life on earth. Geographic concepts emphasized throughout the course include location, space, place, scale pattern, regionalization, and globalization. These concepts are basic to a student's understanding of spatial interaction and spatial behavior, the dynamics of human population growth and movement; patterns of culture; economic use of Earth; political organizations of space; and human settlement patterns, particularly urbanization. Students scoring a 3 or better on the Advanced Placement Exam may earn college credit. **Students will be financially responsible for the cost of the exam, which is approximately \$100.00.**

PHILOSOPHY

5760 (SEMESTER)

PREREQUISITE: None

GRADE LEVEL: 9-12

DESCRIPTION: Philosophy surveys the ideas and influences of great thinkers in the Western tradition as well as several non-western thinkers who have reflected seriously upon timeless questions of existence, reality, knowledge, ethics, free will, the connection between mind and body, and metaphysics. It samples topics and readings that trace the evolution of intellectual growth and demonstrates the methods by which philosophers work. Students will practice use of inductive and deductive reasoning to create and support sound philosophical arguments. Students will study Plato, Aristotle, Thomas Aquinas, Descartes, Locke, Kant, Hegel, Nietzsche, as well the works and arguments of many other famous classical, pre-modern, and modern philosophers. Discussion

and debate will be a prominent feature of this course. Major tests will be in-class essays, and techniques for producing effective in-class, timed essays will also be covered and emphasized. The language used and reading levels are demanding but will prepare students for college course expectations.

AP PSYCHOLOGY*

5645-75 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: AP Psychology is designed to be the equivalent to an introductory college course in psychology. This course will introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students scoring a 3 or better on the Advanced Placement Exam. **Students will be financially responsible for the cost of the exam, which is approximately \$100.00.**

Students enrolled in this course will be required to register for Dual Credit with SWOSU. The cost is approximately \$155 for this 3-hour college credit course.

Students may take AP Psychology or Psychology, but cannot earn credit for both.

PSYCHOLOGY: HUMAN DEVELOPMENT & PERSONALITY

5641-1 (SEMESTER)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: This course places a greater emphasis on development and personality testing. In this course, the students will study child development, personality, personality testing, thinking and intelligence, stress and health, psychological disorders and therapy. This course consists of investigations, discussions, in-class projects, and experiments.

PSYCHOLOGY: RESEARCH METHODS & BRAIN FUNCTIONING

5641-2 (SEMESTER)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: This course is the study of the human mind and body and of what people think, feel, and do. This course provides students with the opportunity to study the foundations of psychology, psychological research, the human brain, altered states of consciousness (sleep, dreams, and hypnosis), sensation and perception, learning principles and memory. The course consists of investigations, discussions, in-class projects and experiments.

SOCIOLOGY

5720 (SEMESTER)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Students will explore the concepts and theories necessary to a systematic understanding of our social worlds. Topics may include the following: considering sociology as science; the nature of large and small scale groups; social stratification; historical eras and social change; and race, ethnic and gender relations.

STREET LAW

5785 (SEMESTER)

PREREQUISITE: None

GRADE LEVEL: 9-12

DESCRIPTION: This course provides the basic foundation of the legal system. Students are introduced to the law throughout a brief study of the following topics: how lawyers are developed; the American legal system; the function, organization, and workings of the federal and state courts; civil and criminal law; rights and responsibilities of young people; contractual rights and responsibilities in common business transactions. This course will help students understand their legal rights and responsibilities and legal implications in various business and personal situations.

WORLD GEOGRAPHY

5530 (SEMESTER)

PREREQUISITE: None

GRADE LEVEL: 10-12

DESCRIPTION: This course is a study of the interrelationships among individuals and their environment. Students will explore the use of skills such as thinking, decision making, and problem-solving learned in social studies as a basis for action in a democratic society. The student will analyze contemporary global issues as well as identify and use maps, graphs, and statistical sources. This course is also a study of the diversity and commonality among nations, races, cultures, and institutions. Students will locate and describe global patterns as well as study the major regions of the world.

TRANSITION PROGRAMS

COOPERATIVE SCHOOL/REHABILITATION WORK-STUDY PROGRAM

2765 (YEAR)

PREREQUISITE: Enrollment determined by IEP team

GRADE LEVEL: 9-12

DESCRIPTION: The main objective of the Cooperative Work-Study Program is to prepare students with disabilities for competitive employment within the community. This course will promote a successful transition from school to post-school employment.

TRANSITION CENTER

2775 (YEAR)

PREREQUISITE: Enrollment determined by IEP team

GRADE LEVEL: 9-12

DESCRIPTION: To provide students with disabilities the necessary educational experiences that are needed to develop the skills required for successful employment. Students will receive training in the transition center to develop necessary employment skills. When they demonstrate competency in these skills, they will move into the community to practice these skills within the appropriate businesses. The goal is for the students to secure competitive employment within their own community.

WORLD LANGUAGES

Students that satisfactorily completed Spanish I in the 8th Grade will fulfill one year of the two-year world language requirement, and the credit will be placed on the student's transcript.

It is recommended that any student that did not earn a "B" or better in Spanish I in the eighth grade take that course again before taking Spanish II. Only one unit can be earned for Spanish I.

SPANISH I

3161 (YEAR)

PREREQUISITE: None

GRADE LEVEL: 9-12

DESCRIPTION: Spanish I is designed to help the student develop basic language skills such as listening, speaking, reading, and writing. It also expands the student's concept of the cultural background of the Spanish speaking world. Target/key structures are centered around essential vocabulary. Speaking, reading and writing skills are developed.

SPANISH II

3162 (YEAR)

PREREQUISITE: SPANISH I

GRADE LEVEL: 9-12

DESCRIPTION: This course is designed to help the students achieve a higher degree of mastery in the basic language skills of listening, speaking, reading and writing. Vocabulary is reinforced and speaking/writing skills are developed through a variety of methods.

ACCELERATED SPANISH III

3163-72 (YEAR)

PREREQUISITE: SPANISH I and SPANISH II

GRADE LEVEL: 10-12

DESCRIPTION: This course is designed for students who desire to further their Spanish language study and who may later wish to take AP Spanish Language. In this expanding engagement with Spanish, students will focus on four critical skills in foreign language acquisition: listening comprehension, speaking, reading and writing. Building on fundamentals learned and mastered in the first two years of Spanish, this course focuses on past, future and compound tenses, vocabulary usage, and contextual comprehension. Additionally, students are engaged in a profound study of cultural diversity within the Spanish-speaking world.

AP SPANISH LANGUAGE AND CULTURE (IV)

3165-75 (YEAR)

PREREQUISITE: ACCELERATED SPANISH III or native speaker status and oral interview/written test

GRADE LEVEL: 11-12

DESCRIPTION: At the advanced level, communication skills satisfy the requirements of everyday conversations. Reading includes poetry, other literary works, and material written for the general public. Writing will include special assignments on Spanish and Hispanic-American authors, painters, etc. Hispanic literature and culture will continue to be emphasized. Students scoring a 3 or better on the Advanced Placement Exam may earn college credit. **Students will be financially responsible for the cost of the exam, which is approximately \$100.00.**

**CANADIAN VALLEY
TECHNOLOGY CENTER**

COURSE DESCRIPTION FOR 2023-2024

*** denotes college credit available**

ACCOUNTING & BUSINESS MANAGEMENT

COWAN CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Provides training in competitive business careers as well as valuable prerequisite skills for college business majors such as accounting, finance, marketing and management.

AUTO COLLISION*

EL RENO CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Learn collision repair with an emphasis placed on late model vehicles. Specific training areas include shop management, frame repair, collision repair, refinishing, and auto detailing. This is an ASE/NATEF certified facility.

AUTO SERVICE

EL RENO CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Offers training in brakes, heating and air conditioning, suspension and steering, manual drivetrain and axles, engine performance drivability, engine repair, and electrical systems. ASE certified program.

AVIATION STRUCTURAL TECHNICIAN*

EL RENO CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Immerse yourself into aircraft structures, metals, hand tools, aircraft riveting, technical drawings, structural repair, corrosion control and safety.

BIOMEDICAL SCIENCE*

COWAN CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 10-12

DESCRIPTION: This program prepares students for careers as health and science professionals. Lessons will engage students in rigorous and relevant hands-on problems related to the human body, cell biology, genetics, diseases, and other biological sciences. This is a college-prep course that offers AP science and math courses as well as Project Lead the Way courses.

COMPUTER AIDED DRAFTING & DESIGN*

EL RENO CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Emphasis is on basic computer aided drafting, technical architectural and structural drafting, and 3-D imaging. AutoCAD is used in both basic and advanced drafting.

COMPUTER INFORMATION SYSTEMS

EL RENO CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Students will build, install, configure, upgrade, diagnose, troubleshoot, repair and secure computer workstations, servers, and networks. Students will learn to build and install Ethernet cabling and connect and configure switches, hubs and routers, allowing computers to communicate with one another.

COMPUTER PROGRAMMING*

EL RENO CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Learn how to write object-oriented programs using various programming languages to create event-driven programs. Students learn to code game engines to create computer video games or other interactive applications with real-time graphics. The languages include HTML, PHP, JAVA, C#, visual BASIC.Net, and mySQL.

CONSTRUCTION TRADES*

EL RENO CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Develop skills in current commercial and residential building techniques in the framing and finishing of carpentry. This course includes instruction in roofing, framing, siding, doors and trim, cabinet-making, and countertops.

COSMETOLOGY

EL RENO CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Receive classroom instruction and hands-on training in nail, scalp, hair, and facial treatments and care. Students must be 16 years of age. Pull-out academic classes cannot be taken in this program area.

DIESEL*

EL RENO CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Emphasis is on maintenance and repair of heavy-duty over-the-road trucks and equipment. Learn about diesel engines, powertrain components, fuel and electrical systems, air brake systems, and cab air conditioning. This is an ASE/NATEF certified training facility.

DIGITAL MEDIA

EL RENO CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Includes digital media production and web design. Learn how to create and animate graphics using Photoshop, Illustrator, and Flash. Digital Media students will focus on After Effects and Final Cut. Students will have the opportunity to learn on both MAC and PC platforms.

EARLY CARE & EDUCATION*

EL RENO CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Prepares students for employment in child care occupations. Learn to care for the cognitive, social, and developmental needs of children in all stages. Receive hands-on experience in our Child Development Center.

ELECTRICAL TRADES*

EL RENO CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Install and maintain electrical wiring in residential and commercial electrical installations. Upon completion, enter the job market as an Advanced Electrical Apprentice in Training.

EMERGENCY SERVICES

EL RENO CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Submerge yourself in the world of criminal justice, forensics, emergency medical response and fire safety. Classroom features a gym.

GRAPHIC DESIGN*

EL RENO CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Learn page and ad layout, vinyl sign making, and uses of digital cameras. Programs used include InDesign, Image Editing, and Illustrator.

HEALTH CAREERS*

COWAN CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Gain core knowledge in anatomy, physiology, medical terminology, medical math, first aid and CPR, and communication pertaining to the health sector. Advanced students can concentrate in several areas of the healthcare field and then put their knowledge to use with actual clients during clinical rotations in hospitals, rehabilitation centers and other health-related agencies.

HEATING & AIR (HVAC)*

EL RENO CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Learn basic fundamentals of safety, mechanics, refrigeration and electricity for HVAC residential and light commercial air conditioning, domestic refrigeration, and sheet metal. All training applies toward a Journeyman License.

INDUSTRIAL AUTOMATION & ROBOTICS TECHNOLOGY

EL RENO CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Learn to build/repair electrical controls, robotic automation/hydraulics and conveyor systems used in manufacturing today.

PRE-ENGINEERING

COWAN CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 10-12

DESCRIPTION: Pre-Engineering education combines advanced math and science with hands-on, real-world application of engineering principles. Students will design an electric circuit, participate in a robot competition, and do other projects while learning engineering concepts. This is a college-prep course.

PRECISION MACHINING*

EL RENO CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Instruction is given in setup and operation of machine tools such as lathes, grinding machines, milling and others. Learn about blueprint reading math, CAD and CAM, and measuring tools. Students will use CNC mills and lathes.

PROJECT CONNECT

EL RENO CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: This is an alternative education program designed to assist students ages 16-19 obtain a marketable skill and at the same time earn the credits necessary to receive a high school diploma. **Students must be referred by home school principal or counselor.**

SERVICE CAREERS-BUILDINGS & GROUNDS

EL RENO CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Learn horticulture, landscaping, floral design, custodial skills, and customer service. Students gain hands-on experience in the on-site greenhouse. Emphasis is on the development of employability skills and attitudes.

SERVICE CAREERS-HOSPITALITY

EL RENO CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Students develop skills in customer service, event setup, hotel housekeeping and laundry, office cleaning services, communication, teamwork and organization.

WELDING*

EL RENO CAMPUS (YEAR)

PREREQUISITE: None

GRADE LEVEL: 11-12

DESCRIPTION: Obtain qualifications to become a certified welder in Shielded Metal Arc Welding (STICK), Gas Metal Arc Welding (MIG), Flux Cored Arc Welding, and Gas Tungsten Arc Welding (TIG). Instruction is also given in oxy-fuel cutting and weld shop blueprint reading.



CONCURRENT

Sophomore, junior, or senior students that meet the university entrance requirements may enroll in concurrent courses offered on the YHS campus during the school day. **In order to be accepted into the university, students must have a 20 ACT minimum composite score OR have an unweighted overall GPA of 3.0 and rank in the top 50% of their class.**

SWOSU Tuition Waiver Info:

YHS and SWOSU have an agreement for juniors to receive 18 hours of tuition assistance (versus 9 hours at other universities that offer dual and concurrent enrollment):

YHS CLASS	HOURS of Tuition Assistance at SWOSU
Sophomores	May receive up to 3 hours of tuition assistance beginning the summer before their sophomore year.
Juniors	May receive up to 18 hours of tuition assistance beginning the summer before their junior year.
Seniors	May receive up to 18 hours of tuition assistance beginning the summer before their senior year.

Because dual courses are taught by YHS instructors and are a part of the YHS curriculum, they are listed in this catalog by subject with an asterisk.

In addition, SWOSU offers the following concurrent courses during the school day. However, the courses offered are subject to change. In the fall and spring semesters, SWOSU will add additional elective courses based upon demand.

ENGLISH COMPOSITION I

ENGL 1113 (SEMESTER)

PREREQUISITE: SWOSU Enrollment Requirements

GRADE LEVEL: 11-12

DESCRIPTION: A limited review of principles of grammar and basic language mechanics; training for effective communicative skills with emphasis on writing as required for successful college study.

ENGLISH COMPOSITION I

ENGL 1213 (SEMESTER)

PREREQUISITE: SWOSU Enrollment Requirements; ENGL 1113

GRADE LEVEL: 11-12

DESCRIPTION: Training for skills in communication, as in ENGL 1113, but a higher level. Research component.

COLLEGE ALGEBRA

MATH 1513 (SEMESTER)

PREREQUISITE: SWOSU Enrollment Requirements

Requirement: ACT Math subscore of 19 or higher, or MATH 0133, or departmental approval, or placement by examination.

GRADE LEVEL: 11-12

DESCRIPTION: A fundamental course including solutions of equations and inequalities, systems of equations, algebra of functions, polynomial functions, rational functions, exponential and logarithmic functions, matrices, and conic sections.

AMERICAN GOVERNMENT AND POLITICS

POLSC 1103 (SEMESTER)

PREREQUISITE: SWOSU Enrollment Requirements

GRADE LEVEL: 11-12

DESCRIPTION: Survey of origin, structure, and functions of national government with emphasis on constitution and the American political process.

US HISTORY SINCE 1877

HIST-1053 (SEMESTER)

PREREQUISITE: SWOSU Enrollment Requirements

GRADE LEVEL: 11-12

DESCRIPTION: A survey of American history from the end of reconstruction to the present.

SUGGESTED PATHWAYS FOR CORE SUBJECTS

AP COURSES CAN ALL BE ELECTIVES IF NOT TAKEN AS A REQUIRED COURSE.
CHECK SPECIFIC COURSE INFORMATION FOR GRADE LEVEL REQUIREMENTS FOR ELECTIVES.

SUGGESTED PATHWAYS ARE FOR GUIDANCE PURPOSES ONLY AND ARE NOT MANDATORY AS LISTED.

ENGLISH LANGUAGE ARTS		
GRADE	PATH I	PATH II
9TH	ENGLISH I	ACCELERATED ENGLISH I
10TH	ENGLISH II	ACCELERATED ENGLISH II
11TH	ENGLISH III	AP LANGUAGE & COMPOSITION
12TH	ENGLISH IV, CONCURRENT, or DUAL ENROLLMENT	AP LITERATURE & COMPOSITION, CONCURRENT or DUAL ENROLLMENT
ENGLISH LANGUAGE ARTS ELECTIVES		
CREATIVE WRITING I OR II, FILM STUDIES, BEGINNING JOURNALISM, MYTHOLOGY I OR II, PHOTOGRAPHY, NEWSPAPER		

MATHEMATICS		
GRADE	PATH I	PATH II (COMPLETED ALGEBRA I IN 8TH GRADE)
9TH	ALGEBRA I	ACCELERATED GEOMETRY
10TH	GEOMETRY	ACCELERATED ALGEBRA II
11TH	ALGEBRA II	ACCELERATED AP PRE-CALCULUS, AP STATISTICS, CONCURRENT ENROLLMENT
12TH	MATH READY, STATISTICS, PRECALCULUS, CONCURRENT or DUAL ENROLLMENT	AP CALCULUS AB, AP STATISTICS, CONCURRENT or DUAL ENROLLMENT
MATHEMATICS ELECTIVES		

SCIENCE		
GRADE	PATH I	PATH II
9TH	BIOLOGY I	ACCELERATED BIOLOGY I
10TH	CHEMISTRY I or PHYSICS I	ACCELERATED CHEMISTRY I or ACCELERATED PHYSICS I
11TH	CHEMISTRY I, PHYSICS I, ZOOLOGY, ANATOMY & PHYSIOLOGY, ENVIRONMENTAL SCIENCE, BOTANY, BIOTECHNOLOGY, FORENSIC SCIENCE, ASTRONOMY, or EARTH SCIENCE	ACCELERATED CHEMISTRY I, ACCELERATED PHYSICS I, AP BIOLOGY, AP CHEMISTRY, AP PHYSICS I, AP ENVIRONMENTAL SCIENCE, BOTANY, BIOTECHNOLOGY, FORENSIC SCIENCE, ENVIRONMENTAL SCIENCE, EARTH SCIENCE, or ASTRONOMY
12TH	CHEMISTRY I, PHYSICS I, ZOOLOGY, ANATOMY & PHYSIOLOGY, ENVIRONMENTAL SCIENCE, BOTANY, BIOTECHNOLOGY, FORENSIC SCIENCE, ASTRONOMY, EARTH SCIENCE, CONCURRENT, or DUAL ENROLLMENT	ACCELERATED CHEMISTRY I, ACCELERATED PHYSICS I, AP BIOLOGY II, AP CHEMISTRY II, AP PHYSICS I, AP ENVIRONMENTAL SCIENCE, BOTANY, BIOTECHNOLOGY, FORENSIC SCIENCE, ENVIRONMENTAL SCIENCE, EARTH SCIENCE, or ASTRONOMY, CONCURRENT, or DUAL ENROLLMENT
SCIENCE ELECTIVES		
ANATOMY & PHYSIOLOGY, AP BIOLOGY, AP CHEMISTRY, AP PHYSICS I, AP ENVIRONMENTAL SCIENCE, BOTANY, BIOTECHNOLOGY, FORENSIC SCIENCE, ENVIRONMENTAL SCIENCE, EARTH SCIENCE, or ASTRONOMY, ZOOLOGY		

SOCIAL STUDIES		
GRADE	PATH I	PATH II
9TH	KEYSTONE & OKLAHOMA HISTORY	KEYSTONE & OKLAHOMA HISTORY
10TH	WORLD HISTORY	AP EUROPEAN HISTORY
11TH	U.S. HISTORY	AP U.S. HISTORY
12TH	U.S. GOVERNMENT, CONCURRENT or DUAL ENROLLMENT	AP U.S. GOVERNMENT & POLITICS, CONCURRENT, or DUAL ENROLLMENT
SOCIAL STUDIES ELECTIVES		
PSYCHOLOGY, AP PSYCHOLOGY, WORLD GEOGRAPHY, AP HUMAN GEOGRAPHY, STREET LAW, SOCIOLOGY		

Approved courses not offered for the 2024-2025 school year:

- **Accounting I**
- **Employment in Agribusiness I**
- **Introduction to Horticulture**
- **Small Animal & Vet Assisting**
- **FACS Capstone**
- **Leadership and Management**
- **AP Physics II: Algebra-based**
- **Physical Science**
- **AP Macroeconomics**
- **Native American Expressions**
- **AP Spanish Literature**
- **Administrative Technology II**
- **Internet of Things Fundamentals**
- **Office Administration & Management**
- **Programming Fundamentals**
- **Advanced Theatre I**
- **Teaching and Learning**
- **Teach Oklahoma**
- **Food Science**
- **Computer Science A**
- **Biotechnology: Genetics**