



# O'Fallon Township High School

## CURRICULUM GUIDE 2024-2025

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# O'FALLON TOWNSHIP HIGH SCHOOL

600 South Smiley Street  
O'Fallon, IL 62269

(618) 632-3507

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## Parents and Students:

- The purpose of this booklet is to provide information about the course offerings at O'Fallon Township High School and to improve communication among parents, students, and counselors. It is specifically designed to help each student plan his/her course of study.
- Students and their parents are encouraged to read the various course descriptions and, in consultation with their counselors and teachers, select courses which best serve their specific interests and needs. Courses selected should help a student reach his educational goals.
- The suggestions below are included so that a student can successfully use this guide.
  1. **Make decisions carefully** considering personal objectives and future goals.
  2. **Study the course descriptions** and pay particular attention to prerequisites.
  3. **Study the graduation requirements.**
  4. **Keep in mind** the requirements for graduation as you plan your program.
  5. **Pay close attention** to the important scheduling information and class drop procedure.

**PLAN COURSE SELECTION CAREFULLY**

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## GRADUATION REQUIREMENTS

To graduate from O’Fallon Township High School District 203, each student must earn at least 21.0 credits and complete the minimum course requirements as set forth by the State of Illinois and of the Board of Education for District 203. Specific requirements for Graduation are as follows:

Graduation Date	Math	English/ Language Arts	Science	Social Studies	Electives	Physical Education/ Health	Consumer Education
<b>Class of 2020 and beyond</b>	6 semesters/ 3 years	8 semesters/ 4 years	4 semesters/ 2 years	5 Semesters/ 2.5 years	2 semesters/ 1 year	4 semesters/ 2 years for Physical Education.	1 semester
<b>*Must earn 21.0 credits</b>	Of 3 years: 1 year must be Algebra 1 1 year must be a course that includes Geometry content.	Of 4 years: 2 years must be writing intensive. 2 years can be non-specific ELA.	Of 2 years: 1 year must be a life science 1 year must be a physical science.	Of 2.5 years: 1 year must be United States History 1 semester of Civics in the freshman year or a semester of American Government in the sophomore, junior or senior year. 1 year can be non-specific S.S. electives	Two semesters from Art, Music, World Language or Career & Technical Education	1 semester for Health. Must be taken in addition to Physical Education.  * See additional information below	Each student must pass a course which includes consumer education requirements, as mandated by the State of Illinois. The consumer education credit can be earned at OTHS by passing Personal Finance.

- To graduate from O’Fallon Township High School, District No. 203, a student must meet the minimum requirements of the State of Illinois and District No. 203. Students must also take the State’s final accountability assessment in order to receive a regular high school diploma. This is currently the SAT and is administered on a state determined testing day to all students in Grade 11.
- All courses in the curriculum carry a value at .5 units per semester, except for quarter classes which earn .25 units per quarter.

\* Students are required to take 4 semesters of Physical Education and 1 semester of Health to meet graduation requirements except in the following cases:

- Every successfully completed semester of AFJROTC counts for 1 semester of PE exemption. If a student successfully completes 4 semesters of AFJROTC, he/she has fulfilled the 2-year PE requirement.
- Every successfully completed Marching Band course and competition season counts for 1 semester of PE exemption. If a student successfully completes 4 Marching Band semesters of coursework and competition seasons, he/she has fulfilled the 2-year PE requirement.
- A junior or senior that participates in and completes an inter-scholastic athletic program can be exempt from 2 semesters of PE. A maximum of 1 semester of exemption can be earned during each of the 11<sup>th</sup> and 12<sup>th</sup> grade years, regardless of number of seasons and/or number of sports involved.
- A physician’s note that restricts full participation in P.E. must be turned in to the nurse’s office. A physician’s note that modifies the student’s activity level in P.E. should be coordinated with the nurse and the instructor based on the current P.E. unit.

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### SCHEDULE CHANGES AND CLASS DROP PROCEDURES

Students are encouraged to spend ample quality time studying the course descriptions before deciding upon course selections.

#### When or If a Schedule Change Can Occur:

A. Schedule change will only be made under the following circumstances:

- Lack of Prerequisite
- Scheduling Error
- Summer School Adjustment
- Graduation Requirement Deficiency
- The student option to transfer from any teacher's class if he/she has previously taken that same class from that teacher and failed
- Class must be canceled due to insufficient enrollment
- Teacher Initiated Change
- Pursuant to IEP/504 or homebound needs

B. Schedule Changes **Will Not Be** Granted in the Following Circumstances:

- Request to change student lunch hour
- Request for a different teacher

C. Space and Authorization for a Schedule Change

- Schedule changes will be considered on a space available basis if a request to change a student schedule does not cause a section overload.
- Parent/Guardian Authorization is required for dropping a class or a student-initiated level change.

#### Types of Schedule Changes:

**Class Substitutions:** This is changing a course the student is enrolled in and substituting it for another offering. The deadline for these changes will be **prior to the start of a semester**. For more information, please see the Student Handbook.

**Class Additions:** This is adding a new course to the schedule where one did not previously exist. The deadline for this change is prior to the start of the semester. This is only subject to class availability and alignment with existing student schedule. For more information, please see the Student Handbook.

**Class Deletion:** This is removing an existing class from the student's schedule with no academic replacement. Students will be placed in a study hall. The deadline to drop will be the first 10 school days, will receive a "W" grade for the course on his/her transcript. "W" Grades are not included in computing GPA. A student who withdraws after the first 6 weeks of a semester will receive a "WP" if passing at the time of withdrawal or a "WF" if failing at the time of withdrawal. A "WF" is calculated into his/her GPA. For more information, please see the Student Handbook.

**Level Changes:** This change is when a student changes from one level to another level of the same course. (Regular - Honors) A teacher-initiated level change requires permission from the department chairperson, school counselor, and parent/guardian. A student-initiated level change requires an academic review with a guidance counselor and a signed waiver on file. For more information, please see the Student Handbook.

**CLASS DROP PROCEDURE (CONTINUED)**

<b>NAME OF CHANGE</b>	<b>DESCRIPTION</b>	<b>DEADLINE</b>
Class Substitution	Changing one course for another	Prior to 1 <sup>st</sup> day of the semester
Class Addition	Adding a course where one does not exist	Prior to the 1 <sup>st</sup> day of the semester
Class Deletion	Removing a class from schedule and exchanging for a study hall	Flexible
Level Change	Move from one level to another level of the same course	Prior to the 1 <sup>st</sup> day of the semester

**EARLY GRADUATION GUIDELINES**

A student must have met all graduation requirements to be a December graduate in his/her senior year and will not be eligible for participation in spring semester extra-curricular activities. The Board of Education at O’Fallon High School mandates that a student must complete a minimum of 7 semesters of course work before graduating.

**STANDARD SCHEDULE**

The standard schedule for students will include five academic subjects which will be in alignment with graduation requirements. ALL STUDENTS ARE ENCOURAGED TO TAKE A SIXTH SUBJECT (typically an elective).

**HONORS CLASSES**

O’Fallon Township High School offers honors classes for those students who qualify and desire to participate. The following criteria are used to determine honors placement:

- Current Grades
- Placement Scores
- Teacher Recommendations

Parents can sign a parent override form to have his/her student placed in an honors class. The student must remain in the class until the end of the semester for which the override form has been signed. Contact the guidance department for additional information.

**HONORS UPON GRADUATION**

At the time of graduation, O’Fallon Township High School will assign honors to those students who have distinguished themselves with superior academic performance during their high school career. These honors include summa cum laude, magna cum laude, and cum laude. Students who are candidates for graduation with a weighted cumulative grade point average greater than or equal to:

- 4.000 for all work completed will be recognized as “Summa Cum Laude”
- 3.900 for all work completed will be recognized as “Magna Cum Laude”
- 3.800 for all work completed will be recognized as “Cum Laude” National Honor Society recognizes students who have a cumulative weighted grade point average greater than or equal to 3.5 and who meet the service, leadership, and character requirements as indicated in Article IX of the NHS Constitution. Students earning Cum Laude and/or National Honor Society recognition will be issued a stole that must be returned at the conclusion of the graduation ceremony. OTHS awards and recognitions are the only adornments allowed.

## GRADING SCALE AND WEIGHTING

### GRADING SCALE: CLASS OF 2024 AND 2025

GRADE	PERCENTAGE	GRADE	PERCENTAGE
A+*	97 and above	C	73 – 76
A	93 – 96	C-	70 – 72
A-	90 – 92	D+	67 – 69
B+	87 – 89	D	63 – 66
B	83 – 86	D-	60 – 62
B-	80 – 82	F	59 and below
C+	77 – 79		

A+ is an honorary designation representing superior achievement and does not carry additional grade point average weight above that awarded for a grade of A.

### GRADING SCALE: CLASS OF 2026 AND BEYOND

GRADE	PERCENTAGE	GRADE	PERCENTAGE
A	93 and above	C	73-76
A-	90-92	C-	70-72
B+	87-89	D+	67-69
B	83-86	D	63-66
B-	80-82	D-	60-62

**SEMESTER GRADES:** Credits for passing grades are issued at the end of each semester. Progress throughout the semester may be monitored by students and parents/guardians through Skyward. Semester grades are determined by the following formula:

Semester Work = 90%

Semester Exam = 10%

Semester Grade = 100%

**Note:** Classes that meet for only nine weeks calculate the final exam as 10% of the course grade.

**GRADE POINT AVERAGE AND CLASS RANK:** The weighted cumulative grade point average of students at O'Fallon High School is calculated on all academic classes assigned a grade (A, B, C, D, F). Students are ranked according to a weighted cumulative average within their graduating class. Class Rank can be found in the Gradebook feature of Skyward.

Class rank is updated only at the conclusion of every semester.

#### Non-GPA Courses

- Physical Education
- Lab Assistant
- OTHS Credit Recovery Courses

### GRADE WEIGHTING CLASS OF 2023, 2024, AND 2025

	REGULAR COURSE	HONORS/ AP® COURSE		REGULAR COURSE	HONORS/ AP® COURSE		REGULAR COURSE	HONORS/ AP® COURSE
A+	4.00	4.33	B-	2.67	3.00	D	1.00	1.33
A	4.00	4.33	C+	2.33	2.67	D-	0.67	1.00
A-	3.67	4.00	C	2.00	2.33	F	0.00	0.00
B+	3.33	3.67	C-	1.67	2.00			
B	3.00	3.33	D+	1.33	1.67			

### GRADE WEIGHTING CLASS OF 2026 AND BEYOND

	REGULAR COURSE	HONORS/ AP® COURSE		REGULAR COURSE	HONORS/ AP® COURSE		REGULAR COURSE	HONORS/ AP® COURSE
A	4.00	5.00	B-	2.67	3.67	D+	1.33	2.33
A-	3.67	4.67	C+	2.33	3.33	D	1.00	2.00
B+	3.33	4.33	C	2.00	3.00	D-	1.00	2.00
B	3.00	4.00	C-	1.67	2.67	F	0.00	0.00

## COLLEGE AND CAREER PLANNING

YEAR	Academics & Extracurricular	Testing	Explore
Freshman	<ul style="list-style-type: none"> <li>Take the most challenging level of courses you can; post-secondary institutions look at the level of the courses you take as well as the grades you earn.</li> <li>Develop good study habits</li> <li>The first grade point average (GPA) you establish is very important</li> <li>Volunteer within the community</li> </ul>	<ul style="list-style-type: none"> <li>Commit to doing well in coursework as it prepares you for the test in future years</li> <li>Take PSAT 8-9 during school-wide testing in Spring (Date TBA)</li> </ul>	<ul style="list-style-type: none"> <li>Think about what you want to pursue as a career once you complete your education</li> <li>Think about where you want to go to post-secondary school</li> <li>Investigate the costs associated with post-secondary schooling</li> </ul>
Sophomores	<ul style="list-style-type: none"> <li>Continue to take the most challenging courses you can</li> <li>Continue to get involved in extracurricular activities &amp; volunteer opportunities</li> <li>Select courses for your junior year which ensure meeting graduation and post-secondary entrance requirements</li> </ul>	<ul style="list-style-type: none"> <li>Commit to doing well in coursework as it prepares you for standardized testing in other years</li> <li>Take PSAT 10 during school-wide testing in Spring (Date TBA)</li> </ul>	<ul style="list-style-type: none"> <li>Think about your talents, inclinations, and personality</li> <li>Research requirements (course pre-requisites, entry requirements, personality traits, etc.) for careers you are considering</li> <li>Think about and discuss with others matching yourself with careers that interest you</li> </ul>
Juniors	<ul style="list-style-type: none"> <li>Continue to take the most challenging courses you can</li> <li>Continue to get involved in extracurricular activities &amp; volunteer opportunities</li> <li>Choose electives which support your possible career(s) and meet entry requirements</li> <li>Double-check graduation and college entrance requirements to be sure you are on track with both</li> <li>Become familiar with the questions asked on applications that require essays</li> </ul>	<ul style="list-style-type: none"> <li>Take PSAT/NMSQT in October (optional)</li> <li>ACT (optional)</li> <li>National Test Dates in October, December, February, April &amp; June</li> <li>Register online @ <a href="http://www.actstudent.org">www.actstudent.org</a>.</li> <li>Take state mandated SAT Test in Spring (Date TBA)</li> <li>Re-takes available through National Test Dates, register online @ <a href="http://www.collegeboard.com">www.collegeboard.com</a></li> <li>Take Advanced Placement Tests (AP) in May (optional)</li> </ul>	<ul style="list-style-type: none"> <li>Research colleges and other post-secondary educational institutions that will meet your career objectives and financial requirements..... resources include parents, counselors, alumni, friends, web sites, college fairs, brochures, college representatives</li> <li>Plan to visit colleges second semester, summer, and first semester of senior year</li> <li>Try to narrow your selections to 5-8 from which to choose and apply</li> <li>Encourage your parents to attend the college planning and financial aid night at school (Date TBD)</li> </ul>
Seniors	<ul style="list-style-type: none"> <li>Continue to take the most challenging courses you can</li> <li>Choose electives which support your possible career(s) and meet entry requirements</li> </ul>	<ul style="list-style-type: none"> <li>Retake College Entrance Exam (optional), registration is online.</li> <li>ACT – <a href="http://www.actstudent.org">www.actstudent.org</a></li> <li>SAT – <a href="http://www.collegeboard.com">www.collegeboard.com</a></li> <li>Take Advanced Placement Tests (AP) in May (optional)</li> </ul>	<ul style="list-style-type: none"> <li>Line up at least three letters of recommendation from people who know you well</li> <li>Apply early to the selected colleges and/or career training centers.... watch deadlines</li> <li>Make sure your applications are complete by October</li> <li>Apply for scholarships and financial aid (FAFSA)</li> </ul>



## COLLEGE AND WORK READINESS ACADEMIC RECOMMENDATIONS

Take a core curriculum to prepare for college and your career. The recommendations are at least:

- four years of English
- three years each of:
  - ~ Math (Algebra I, Geometry and Algebra II)
  - ~ Social Sciences (courses such as U.S. History, World History and American Government)
  - ~ Natural Sciences (Biology, Chemistry and Physics)
  - ~ World Language/Fine Arts (varies from one college to another)

Taking advanced courses beyond the recommended core classes will give you the best chance to be ready to enter college without needing remedial classes. Remedial classes often don't count toward your degree, and if you need them, it will take longer to graduate. Since admission requirements periodically change, parents and students should check individual institutions for exact requirements.

### HIGHLY SELECTIVE INSTITUTIONS

Often the college will state that there are no prescription or minimum requirements. They want to talk in terms of averages regarding test scores, high school class rank and course preparation.

**Recommendations:** 4 English; 4 Math (Algebra 1 and higher); 4 Science; 4 Social Studies; and 4 World Language (same language) (language requirements vary from one college to another); student needs to demonstrate rigor by taking the most challenging courses offered in the above areas as appropriate and demonstrate a high level of performance; Exemplary ACT and/or SAT scores; extracurricular record must clearly demonstrate an eagerness and confidence in taking initiative, making the most of opportunities and gain recognition for accomplishments both inside and outside of the school setting; and supplementary parts of the application must be solidly supportive of the total picture.

### NCAA CLEARINGHOUSE REQUIREMENTS FOR STUDENT ATHLETES

- I.** Students aspiring to play Division I or II athletics must register with the NCAA Clearinghouse following their junior year at <http://eligibilitycenter.org>. Athletes must meet the following core course and test score standards as stated on the eligibility center website.

DIVISION I	CORE COURSES	DIVISION II
4	English	3
3	Math (Algebra 1 & above)	2
2	Science	2
1	Additional English, Math, or Science	3
2	Social Studies	2
4	Additional courses, including World Language	4
16	TOTAL CORE COURSES	16

- II.** Check courses carefully with your counselor EACH SEMESTER to make sure you are meeting NCAA course requirements. **This is ultimately the family's responsibility.** Not all courses at OTHS are NCAA approved. NCAA-approved courses are noted within each department by the designation: **NCAA**

## COLLEGE AND CAREER PLANNING

### COLLEGE CREDIT OPPORTUNITIES

#### ADVANCED PLACEMENT® (AP®) COURSES

Students can potentially earn college credit by enrolling in the Advanced Placement® (AP®) Courses offered at OTHS. Students must meet academic criteria to enroll and are responsible for any fees associated with the class and exam. Earning college credit is contingent upon a student's score earned on the optional AP® Exam and the credit the higher education institution awards for the scores earned. Colleges and Universities have varying practices for the awarding of credit for AP® Coursework. Students are advised to research this information for the schools they may wish to attend. Information on AP® Coursework is available from the guidance counselors and/or instructors of the AP® Classes.

Parents can sign a parent override form to have his/her student placed in an AP® class. The student must remain in the class until the end of the semester for which the override form has been signed. Contact the guidance department for additional information.

AP® courses currently offered at OTHS are:

SUBJECT	COURSES	GRADE LEVEL
Art	AP® Art & Design AP® 3D ART and Design	12 12
English	AP® Literature and Composition AP® Language and Composition	11 12
Math	AP® Pre Calculus AP® Calculus AB AP® Statistics	11 or 12 12 11 or 12
Music	AP® Music Theory	11 or 12
Science	AP® Biology AP® Chemistry AP® Physics 1 AP® Physics 2	11 or 12 11 or 12 11 or 12 11 or 12
Social Studies	AP® Macroeconomics AP® US History AP® Psychology	11 or 12 11 or 12 12
World Language	AP® French Language & Culture AP® German Language & Culture AP® Spanish Language & Culture	12 12 12

## COLLEGE AND CAREER PLANNING

### DUAL CREDIT COURSEWORK

**DUAL CREDIT COURSES:** Students can earn dual credit in a variety of courses through St. Louis University and Southwestern Illinois College. Students must carry a recommended cumulative GPA of 3.0 or greater (refer to curriculum guide for specific requirements per course), have written endorsement from the principal, counselor, or school designee, and have teacher approval for each course. Students must complete the registration paperwork (SWIC and SLU), meet the minimum testing requirements (SWIC), apply for an ID (SWIC), and pay tuition by the deadline (SLU) to be eligible to earn dual credit. Information on Dual Credit Courses is available from the OTHS Curriculum Guide, School Counselors and/or instructors of the dual credit courses.

### SOUTHWESTERN ILLINOIS COLLEGE DUAL CREDIT

**OTHS Requirements to earn dual credit with SWIC are:**

- Students must meet OTHS prerequisite requirements to enroll in the class
- Students must meet SWIC assessment prerequisites to be eligible to earn dual credit

OTHS COURSE NAME	SWIC COURSE NAME	SWIC COURSE CODE	POSSIBLE CREDITS	GRADE LEVEL
Advanced Applications (Excel/Access)	Database Basics Electronic Spreadsheet Basics	OAT 131 OAT 132	2	10-12
Advanced Applications (Word/PowerPoint)	Word Processing Basics Presentation Basics	OAT 130 OAT 133	2	10-12
Advanced Digital Marketing and Social Media	eMarketing	MKT 226	3	11-12
AP <sup>®</sup> United States History A	U.S. History to 1865	HIST 180	3	11-12
AP <sup>®</sup> United States History B	U.S. History, 1865 to the Present	HIST 181	3	11-12
Carpentry 1	Building Trades Craft Survey I	CMT 145	4	10-12
Computer Networking	Introduction to Networking	NETW 101	3	10-12
Computer Programming (SM1)	Introduction to Programming	CIS 180	3	11-12
Computer Programming (SM2)	Visual Basic Programming 1	CIS 184	3	11-12
Construction 1	Building Trades Craft Survey II	CMT 146	4	11-12
Cybersecurity	Introduction to Cybersecurity Cisco Cybersecurity Essentials	CISC 106 CISC 116	1 2	10-12
Drafting & Engineering Design	Introductory CAD	CAD 120	4	10-12
Engineering Design- CAD 1	Computer Applications	CMT 105	3	11-12
Honors Human Anatomy & Physiology	Human Biology	BIOL 105	4	11-12
Multimedia Production	Photo Manipulation	CIS 172	3	10-12
Personal Finance	Personal Finance	MGMT 117	3	11-12
Public Speaking	Fundamentals of Public Speaking	COMM 151	3	12
Psychology/ AP <sup>®</sup> Psychology	General Psychology	PSYC 151	3	12
Technical Drawing & Engineering Design	Print Reading for Tech Trades	CAD 100	3	ALL
Video Production	Video Graphics	CIS 230	3	10-12
Welding 1	Introduction to Welding	WLDT 101	5	11-12

## COLLEGE AND CAREER PLANNING

Yearbook Design & Production	Photo Manipulation	CIS 172	3	10-12
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**SAINT LOUIS UNIVERSITY 1818 ADVANCED COLLEGE CREDIT**

**OTHS Requirements to earn dual credit with SLU are:**

- Students must meet OTHS prerequisite requirements to enroll in the class.
- Carry a cumulative GPA of 3.0
- Be approved by the high school.

OTHS COURSE NAME	SLU COURSE NAME	SLU COURSE CODE	POSSIBLE CREDITS	GRADE LEVEL
AP® Biology (full year)	Principles of Biology I	BIOL 1240	3	11-12
	Principles of Biology Lab	BIOL 1245	1	
AP® Calculus (full year)	Calculus I	MATH 1510	4	11-12
AP® Chemistry (SM 1)	General Chemistry 1	CHEM 1110	3	11-12
	General Chemistry 1 Lab	CHEM 1115	1	
AP® Chemistry (SM 2)	General Chemistry 2	CHEM 1120	3	11-12
	General Chemistry 2 Lab	CHEM 1125	1	
AP® Language & Composition (full year)	Advanced Strategies of Rhetoric and Research	ENG 1900	3	12
Descriptive and Inferential Statistics (full year)	Elementary Statistics with Computers	MATH 1300	3	11-12
AP® Physics 1 (full year)	General Physics I	PHYS 1220	4	11-12

**TRANSFERABILITY OF DUAL CREDIT COURSEWORK**

It is the responsibility of students and families to contact prospective post-secondary institutions to articulate exactly how dual credit coursework will transfer. We encourage families to research transferability of dual credit coursework through SWIC and SLU using the following external resources:

[Transferology.com](http://Transferology.com) is a free site that requires an account creation. It allows you to list all of your SLU 1818 courses and search through participating universities to see how the credits traditionally are articulated at the institution. Saint Louis University is a partner institution of the website and regularly updates its courses to ensure maximum accuracy.

The [UConn external transferability database](#) has compiled transfer data from institutions across the country and provides a one to three star ranking on the likelihood of an institution accepting dual credit courses in general.

These resources are only to be used as a guide and cannot guarantee the success of credit transfer.

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# FRESHMAN COURSE OFFERINGS

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## **AIR FORCE JUNIOR ROTC DEPARTMENT**

AJFROTC 1 LEADERSHIP & AEROSPACE

## **ART DEPARTMENT**

ART 1

CERAMICS 1

## **CTE BUSINESS DEPARTMENT**

BUSINESS OWNERSHIP

MICROSOFT OFFICE APPLICATIONS

TECHNOLOGY ESSENTIALS

## **ENGLISH DEPARTMENT**

APPRECIATION OF LITERATURE

HONORS WORLD LITERATURE 1

APPRECIATION OF RHETORIC

HONORS APPRECIATION OF RHETORIC

## **HEALTH/PE/DRIVER ED DEPARTMENT**

HEALTH

PE

DRIVER EDUCATION

## **CTE INDUSTRIAL TECHNOLOGY & ENGINEERING**

TECHNICAL DRAWING & ENGINEERING DESIGN

## **MATHEMATICS DEPARTMENT**

INTRODUCTION TO ALGEBRA

ADVANCED ALGEBRA 1

HONORS ALGEBRA 1

HONORS GEOMETRY

## **PERFORMING ARTS DEPARTMENT**

FRESHMAN CHOIR

FRESHMAN CONCERT BAND

MARCHING BAND FALL

MARCHING BAND PERCUSSION FALL

MARCHING BAND COLOR GUARD FALL

## **SCIENCE DEPARTMENT**

PHYSICAL/EARTH SCIENCE

BIOLOGY

HONORS BIOLOGY

## **SOCIAL STUDIES DEPARTMENT**

CIVICS

EARLY AMERICAN HISTORY

SOCIAL ISSUES

WORLD GEOGRAPHY

## **SPECIAL EDUCATION DEPARTMENT**

APPRECIATION OF LITERATURE

APPRECIATION OF RHETORIC

INTRO TO ALGEBRA

CIVICS

HEALTH

COMPUTER CONCEPTS & SOFTWARE

APPLICATIONS 1

TECHNOLOGY ESSENTIALS

RESOURCE STUDY SKILLS

## **WORLD LANGUAGE DEPARTMENT**

FRENCH 1

GERMAN 1

MANDARIN 1

SPANISH 1

## **ELECTIVE COURSES**

ESSENTIAL STUDY SKILLS (REGULAR ED)

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# SOPHOMORE COURSE OFFERINGS

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## AIR FORCE JUNIOR ROTC

### DEPARTMENT

AFJROTC 1 LEADERSHIP & AEROSPACE  
AFJROTC 2/3 LEADERSHIP & AEROSPACE

## ART DEPARTMENT

ART 1  
ART 2  
CERAMICS 1  
CERAMICS 2  
3D MODELING, ANIMATION & 3D PRINTING 1  
3D MODELING, ANIMATION & 3D PRINTING 2

## CTE BUSINESS DEPARTMENT

ACCOUNTING 1  
HONORS ACCOUNTING 1  
COMPUTER NETWORKING  
CYBERSECURITY  
MICROSOFT OFFICE APPLICATIONS  
ADVANCED APPLICATIONS – EXCEL/ACCESS  
ADVANCED APPLICATIONS – WORD/POWERPOINT  
MULTIMEDIA PRODUCTION (ADOBE  
DREAMWEAVER/INDESIGN/PHOTOSHOP/ LIGHT  
ROOM/FLASH/ILLUSTRATOR)  
TECHNOLOGY ESSENTIALS  
VIDEO PRODUCTION (ADOBE SUITE/  
LIGHTROOM/PREMIERE PRO)  
ADVANCED VIDEO PRODUCTION  
YEARBOOK DESIGN & PRODUCTION

## ENGLISH DEPARTMENT

WRITTEN COMMUNICATION  
WORLD LITERATURE  
HONORS WORLD LITERATURE 2  
HONORS WRITTEN COMMUNICATION

## CTE FAMILY & CONSUMER SCIENCE DEPARTMENT

FOODS & NUTRITION  
EARLY CHILDHOOD EDUCATION  
GROWTH & DEVELOPMENT OF CHILDREN

## HEALTH/PE/DRIVER ED

### DEPARTMENT

HEALTH  
PHYSICAL EDUCATION  
P.E. INDIVIDUALIZED INSTRUCTION  
SPORTS PHYSICAL EDUCATION  
TOTAL BODY FITNESS  
DRIVER EDUCATION

## CTE INDUSTRIAL TECHNOLOGY & ENGINEERING

TECHNICAL DRAWING & ENGINEERING DESIGN  
BEGINNING WELDING  
CARPENTRY  
DRAFTING & ENGINEERING DESIGN  
ELECTRICAL APPLICATIONS  
3D MODELING, ANIMATION & 3D PRINTING 1  
3D MODELING, ANIMATION & 3D PRINTING 2  
SMALL ENGINE REPAIR

## MATHEMATICS DEPARTMENT

GEOMETRY WITH ALGEBRA  
ACCELERATED ALGEBRA 1  
ADVANCED GEOMETRY  
ADVANCED ALGEBRA 2  
HONORS GEOMETRY  
HONORS ALGEBRA 2

## PERFORMING ARTS DEPARTMENT

HONORS CHAMBER ENSEMBLE (FALL)  
CHAMBER ENSEMBLE (SPRING)  
CONCERT CHOIR  
MIXED CHORALE  
MARCHING BAND (FALL)  
MARCHING BAND COLOR GUARD (FALL)  
MARCHING BAND PERCUSSION (FALL)  
SYMPHONIC BAND (SPRING)  
SYMPHONIC WINDS (SPRING)  
CONCERT WINDS (FALL)  
HONORS WIND ENSEMBLE  
BEGINNING GUITAR/MUSIC APPRECIATION (FALL)  
AP<sup>®</sup> MUSIC THEORY (FALL)  
JAZZ BAND (EARLY BIRD SPRING)  
VOCAL JAZZ (EARLY BIRD FALL)

## SOPHOMORE COURSE OFFERINGS

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### SCIENCE DEPARTMENT

BIOLOGY 1  
CHEMISTRY 1  
GEOLOGY  
HONORS CHEMISTRY 1  
INTEGRATED LIFE SCIENCE  
PHYSICS 1  
PHYSICAL/EARTH SCIENCE

### SOCIAL STUDIES DEPARTMENT

AMERICAN CIVIL WAR & RECONSTRUCTION:  
A NATION DIVIDED  
AMERICAN GOVERNMENT  
AREA STUDIES  
INTERNATIONAL RELATIONS  
THE AMERICAN LEGAL SYSTEM  
UNITED STATES HISTORY A  
UNITED STATES HISTORY B  
WESTERN CIVILIZATION

### SPECIAL EDUCATION DEPARTMENT

CIVICS  
COMPUTER CONCEPTS & SOFTWARE  
APPLICATIONS  
HEALTH  
DRIVER EDUCATION  
BIOLOGY  
PHYSICAL/EARTH SCIENCE  
MODERN HISTORY  
WORLD GEOGRAPHY  
RESOURCE STUDY SKILLS  
WRITTEN COMMUNICATION  
WORLD LITERATURE

### WORLD LANGUAGE DEPARTMENT

FRENCH 1  
FRENCH 2  
GERMAN 1  
GERMAN 2  
MANDARIN 1  
SPANISH 1  
SPANISH 2

### ELECTIVE COURSES

ESSENTIAL STUDY SKILLS (REGULAR ED)



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# JUNIOR COURSE OFFERINGS

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## AIR FORCE JUNIOR ROTC

### DEPARTMENT

AFJROTC 1 LEADERSHIP & AEROSPACE  
AFJROTC 2/3 LEADERSHIP & AEROSPACE

## ART DEPARTMENT

ART 1  
ART 2  
ART 3  
CERAMICS 1  
CERAMICS 2  
CERAMICS 3  
CERAMICS 4  
3D MODELING, ANIMATION & 3D PRINTING 1  
3D MODELING, ANIMATION & 3D PRINTING 2

## CTE BUSINESS DEPARTMENT

ACCOUNTING 1  
HONORS ACCOUNTING 1  
ACCOUNTING 2  
ADVANCED APPLICATIONS – EXCEL/ACCESS  
ADVANCED APPLICATIONS – WORD/POWERPOINT  
COMPUTER NETWORKING  
COMPUTER PROGRAMMING  
CYBERSECURITY  
MARKETING  
ADVANCED DIGITAL MARKETING AND SOCIAL  
MEDIA  
MICROSOFT OFFICE APPLICATIONS  
MULTIMEDIA PRODUCTION (*ADOBE  
DREAMWEAVER/INDESIGN/PHOTOSHOP/  
LIGHTROOM/FLASH/ILLUSTRATOR*)  
PERSONAL FINANCE  
VIDEO PRODUCTION (*ADOBE  
SUITE/LIGHTROOM/PREMIERE PRO*)  
ADVANCED VIDEO PRODUCTION  
YEARBOOK DESIGN & PRODUCTION

## ENGLISH DEPARTMENT

PRINCIPLES OF COMPOSITION  
EXPOSITORY WRITING 1  
CONTEMPORARY THEMES IN LITERATURE  
GREAT BOOKS  
GLOBAL VOICES IN LITERATURE  
THEATRE LITERATURE  
AMERICAN LITERATURE  
AP<sup>®</sup> LITERATURE AND COMPOSITION

## CTE FAMILY & CONSUMER SCIENCE

### DEPARTMENT

FOODS & NUTRITION  
CULINARY CAREERS  
WORLD CUISINE  
EARLY CHILDHOOD EDUCATION  
GROWTH AND DEVELOPMENT OF CHILDREN  
FAMILY HEALTH MAINTENANCE

## CTE INDUSTRIAL TECHNOLOGY & ENGINEERING

TECHNICAL DRAWING & ENGINEERING DESIGN  
DRAFTING & ENGINEERING DESIGN  
ENGINEERING DESIGN (CAD) 1  
ENGINEERING DESIGN (CAD) 2  
CARPENTRY  
CONSTRUCTION 1  
CONSTRUCTION 2 – ADVANCED BUILDING TRADES  
ELECTRICAL APPLICATIONS  
BEGINNING WELDING  
WELDING TECHNOLOGY 1  
WELDING TECHNOLOGY 2  
3D MODELING, ANIMATION & 3D PRINTING 1  
3D MODELING, ANIMATION & 3D PRINTING 2  
SMALL ENGINE REPAIR

## HEALTH/PE/DRIVER ED

### DEPARTMENT

HEALTH  
PERSONAL WELLNESS  
PHYSICAL EDUCATION  
P.E. INDIVIDUALIZED INSTRUCTION  
SPORTS PHYSICAL EDUCATION  
TOTAL BODY FITNESS  
DRIVER EDUCATION

## MATHEMATICS DEPARTMENT

GEOMETRY WITH ALGEBRA  
ALGEBRA 1  
ALGEBRA 2  
COLLEGE ALGEBRA  
ADVANCED GEOMETRY  
ADVANCED ALGEBRA 2  
ADVANCED PRE-CALCULUS WITH TRIGONOMETRY  
HONORS ALGEBRA 2  
PRECALCULUS WITH TRIGONOMETRY

## JUNIOR COURSE OFFERINGS

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CALCULUS  
AP<sup>®</sup> STATISTICS  
AP<sup>®</sup> PRE CALCULUS  
AP<sup>®</sup> CALCULUS

### **PERFORMING ARTS DEPARTMENT**

HONORS CHAMBER ENSEMBLE (FALL)  
CHAMBER ENSEMBLE (SPRING)  
MIXED CHORALE  
CONCERT CHOIR  
MARCHING BAND (FALL)  
MARCHING BAND COLOR GUARD (FALL)  
MARCHING BAND PERCUSSION (FALL)  
SYMPHONIC BAND (SPRING)  
SYMPHONIC WINDS (SPRING)  
CONCERT WINDS (FALL)  
HONORS WIND ENSEMBLE  
BEGINNING GUITAR/MUSIC APPRECIATION (FALL)  
AP<sup>®</sup> MUSIC THEORY (FALL)  
JAZZ BAND (EARLY BIRD SPRING)  
VOCAL JAZZ (EARLY BIRD FALL)

### **SCIENCE DEPARTMENT**

AP<sup>®</sup> BIOLOGY  
AP<sup>®</sup> CHEMISTRY  
AP<sup>®</sup> PHYSICS 1  
AP<sup>®</sup> PHYSICS 2  
BIOLOGY 1  
CHEMISTRY 1  
CHEMISTRY 2  
ENVIRONMENTAL SCIENCE  
FORENSICS  
GEOLOGY  
HONORS CHEMISTRY 1  
HONORS HUMAN ANATOMY & PHYSIOLOGY  
INTEGRATED LIFE SCIENCE  
INTRODUCTION TO ASTRONOMY  
PHYSICAL EARTH SCIENCE  
PHYSICS 1  
PHYSICS 2

### **SOCIAL STUDIES DEPARTMENT**

AMERICAN CIVIL WAR & RECONSTRUCTION:

A NATION DIVIDED  
AMERICAN GOVERNMENT  
AP<sup>®</sup> MACROECONOMICS  
AP<sup>®</sup> UNITED STATES HISTORY A  
AP<sup>®</sup> UNITED STATES HISTORY B  
AREA STUDIES  
DIVERSITY & GROWTH IN AMERICA  
INTERNATIONAL RELATIONS  
SOCIOLOGY  
THE AMERICAN LEGAL SYSTEM  
THE SIXTIES IN AMERICA  
UNITED STATES HISTORY A  
UNITED STATES HISTORY B  
WESTERN CIVILIZATION

### **SPECIAL EDUCATION DEPARTMENT**

INTRODUCTION TO ALGEBRA  
INTRODUCTION TO GEOMETRY  
ALGEBRA 1  
ALGEBRA 2  
PHYSICAL/EARTH SCIENCE  
BIOLOGY  
UNITED STATES HISTORY  
MODERN HISTORY  
WORLD GEOGRAPHY  
DRIVER EDUCATION  
HEALTH  
PERSONAL FINANCE  
RESOURCE STUDY SKILLS  
PRINCIPLES OF COMPOSITION  
CONTEMPORARY THEMES IN LITERATURE  
COMPUTER CONCEPTS & SOFTWARE APPLICATIONS

### **WORLD LANGUAGE DEPARTMENT**

FRENCH 1  
FRENCH 2  
HONORS FRENCH 3  
GERMAN 1  
GERMAN 2  
HONORS GERMAN 3  
MANDARIN 1  
SPANISH 1  
SPANISH 2  
HONORS SPANISH 3

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# SENIOR COURSE OFFERINGS

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## **AIR FORCE JUNIOR ROTC**

### **DEPARTMENT**

AFJROTC 1 LEADERSHIP & AEROSPACE  
AFJROTC 2/3 LEADERSHIP & AEROSPACE  
AFJROTC 4 LEADERSHIP & AEROSPACE

## **ART DEPARTMENT**

ART 1  
ART 2  
ART 3  
AP<sup>®</sup> ART AND DESIGN  
CERAMICS 1  
CERAMICS 2  
CERAMICS 3  
CERAMICS 4  
3D MODELING, ANIMATION & 3D PRINTING 1  
3D MODELING, ANIMATION & 3D PRINTING 2  
AP<sup>®</sup> 3D ART & DESIGN

## **CTE BUSINESS DEPARTMENT**

ACCOUNTING 1  
HONORS ACCOUNTING 1  
ACCOUNTING 2  
ADVANCED APPLICATIONS – EXCEL/ACCESS  
ADVANCED APPLICATIONS – WORD/POWERPOINT  
COMPUTER NETWORKING  
COMPUTER PROGRAMMING  
CYBERSECURITY  
COOPERATIVE WORK EXPERIENCE  
MARKETING  
ADVANCED DIGITAL MARKETING AND SOCIAL  
MEDIA  
MICROSOFT OFFICE APPLICATIONS  
MULTIMEDIA PRODUCTION (ADOBE  
DREAMWEAVER/INDESIGN/PHOTOSHOP/  
LIGHTROOM/FLASH/ILLUSTRATOR)  
PERSONAL FINANCE  
VIDEO PRODUCTION (ADOBE  
SUITE/LIGHTROOM/PREMIERE PRO)  
ADVANCED VIDEO PRODUCTION  
YEARBOOK DESIGN & PRODUCTION

## **ENGLISH DEPARTMENT**

AMERICAN LITERATURE  
GREAT BOOKS  
GLOBAL VOICES IN LITERATURE  
PUBLIC SPEAKING  
THEATER LITERATURE

WORLD MYTHOLOGY  
SENIOR WRITING SEMINAR  
EXPOSITORY WRITING 2  
AP<sup>®</sup> LANGUAGE AND COMPOSITION

## **CTE FAMILY & CONSUMER SCIENCE DEPARTMENT**

CULINARY CAREERS  
WORLD CUISINE  
EARLY CHILDHOOD EDUCATION  
GROWTH AND DEVELOPMENT OF CHILDREN  
FAMILY HEALTH MAINTENANCE

## **HEALTH/PE/DRIVER ED DEPARTMENT**

HEALTH  
PERSONAL WELLNESS  
PHYSICAL EDUCATION  
P.E. INDIVIDUALIZED INSTRUCTION  
SPORTS PHYSICAL EDUCATION  
TOTAL BODY FITNESS  
DRIVER EDUCATION

## **CTE INDUSTRIAL TECHNOLOGY & ENGINEERING**

TECHNICAL DRAWING & ENGINEERING DESIGN  
DRAFTING & ENGINEERING DESIGN  
ENGINEERING DESIGN (CAD) 1  
ENGINEERING DESIGN (CAD) 2  
CARPENTRY  
CONSTRUCTION 1  
CONSTRUCTION 2 – ADVANCED BUILDING TRADES  
ELECTRICAL APPLICATIONS  
BEGINNING WELDING  
WELDING TECHNOLOGY 1  
WELDING TECHNOLOGY 2  
3D MODELING, ANIMATION & 3D PRINTING 1  
3D MODELING, ANIMATION & 3D PRINTING 2  
SMALL ENGINE REPAIR

## **MATHEMATICS DEPARTMENT**

GEOMETRY WITH ALGEBRA  
ALGEBRA 1  
ALGEBRA 2  
COLLEGE ALGEBRA  
ADVANCED GEOMETRY  
ADVANCED ALGEBRA 2

## SENIOR COURSE OFFERINGS

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ADVANCED PRE-CALCULUS WITH TRIGONOMETRY  
HONORS ALGEBRA 2  
PRECALCULUS WITH TRIGONOMETRY  
CALCULUS  
AP<sup>®</sup> STATISTICS  
AP<sup>®</sup> PRE CALCULUS  
AP<sup>®</sup> CALCULUS

### **MUSIC DEPARTMENT**

HONORS CHAMBER ENSEMBLE (FALL)  
CHAMBER ENSEMBLE (SPRING)  
MIXED CHORALE  
CONCERT CHOIR  
MARCHING BAND (FALL)  
MARCHING BAND COLOR GUARD (FALL)  
MARCHING BAND PERCUSSION (FALL)  
SYMPHONIC BAND (SPRING)  
SYMPHONIC WINDS (SPRING)  
CONCERT WINDS (FALL)  
HONORS WIND ENSEMBLE  
BEGINNING GUITAR/MUSIC APPRECIATION (FALL)  
AP<sup>®</sup> MUSIC THEORY (FALL)  
JAZZ BAND (EARLY BIRD SPRING)  
VOCAL JAZZ (EARLY BIRD FALL)

### **SCIENCE DEPARTMENT**

AP<sup>®</sup> BIOLOGY  
AP<sup>®</sup> CHEMISTRY  
AP<sup>®</sup> PHYSICS 1  
AP<sup>®</sup> PHYSICS 2  
BIOLOGY 1  
CHEMISTRY 1  
CHEMISTRY 2  
ENVIRONMENTAL SCIENCE  
FORENSICS  
GEOLOGY  
HONORS CHEMISTRY 1  
HONORS HUMAN ANATOMY & PHYSIOLOGY  
INTEGRATED LIFE SCIENCE  
INTRODUCTION TO ASTRONOMY  
PHYSICAL EARTH SCIENCE  
PHYSICS 1  
PHYSICS 2

### **SOCIAL STUDIES DEPARTMENT**

AMERICAN CIVIL WAR & RECONSTRUCTION:  
A NATION DIVIDED  
AMERICAN GOVERNMENT

AP<sup>®</sup> MACROECONOMICS  
AP<sup>®</sup> PSYCHOLOGY  
AP<sup>®</sup> UNITED STATES HISTORY A  
AP<sup>®</sup> UNITED STATES HISTORY B  
AREA STUDIES  
DIVERSITY & GROWTH IN AMERICA  
INTERNATIONAL RELATIONS  
PSYCHOLOGY  
SOCIOLOGY  
THE AMERICAN LEGAL SYSTEM  
THE SIXTIES IN AMERICA  
UNITED STATES HISTORY A  
UNITED STATES HISTORY B  
WESTERN CIVILIZATION

### **SPECIAL EDUCATION DEPARTMENT**

INTRODUCTION TO ALGEBRA  
INTRODUCTION TO GEOMETRY  
ALGEBRA 1  
ALGEBRA 2  
PHYSICAL/EARTH SCIENCE  
BIOLOGY  
UNITED STATES HISTORY  
MODERN HISTORY  
WORLD GEOGRAPHY  
DRIVER EDUCATION  
HEALTH  
PERSONAL FINANCE  
COOPERATIVE OCCUPATIONAL EXPERIENCE  
RESOURCE STUDY SKILLS  
SENIOR WRITING SEMINAR  
THEATRE LITERATURE

### **WORLD LANGUAGE DEPARTMENT**

FRENCH 1  
FRENCH 2  
HONORS FRENCH 3  
AP<sup>®</sup> FRENCH LANGUAGE AND CULTURE  
GERMAN 1  
GERMAN 2  
HONORS GERMAN 3  
AP<sup>®</sup> GERMAN LANGUAGE AND CULTURE  
MANDARIN 1  
SPANISH 1  
SPANISH 2  
HONORS SPANISH 3  
AP<sup>®</sup> SPANISH LANGUAGE AND CULTURE

# AIR FORCE JUNIOR ROTC DEPARTMENT

Colonel Deanna Violette, Department Chairperson

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## AIR FORCE JUNIOR ROTC DEPARTMENT

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### Air Force Junior ROTC (AFJROTC) Courses – Philosophy and Objectives

The mission of the AFJROTC program is to “Develop citizens of character dedicated to serving their nation and community.”

The goals of the AFJROTC program are to instill:

- The values of citizenship,
- Service to the United States,
- Personal responsibility, and
- A sense of accomplishment.

The objectives of AFJROTC are to educate and train students in citizenship and life skills; promote community service; instill a sense of responsibility; and develop character and self-discipline through education and instruction in air and space fundamentals and the Air Force's core values:

- Integrity First
- Service Before Self
- Excellence In All We Do

### Course Materials

All books, materials, and uniforms are provided at no cost to the student. Each new student is required to pay a \$25 activity fee to pay for equipment and personal items not supplied by the Air Force. Advanced students pay \$20. All AFJROTC courses require the student to wear the uniform once a week to all classes. **In addition, the student is required to meet USAF grooming standards as they relate to hair, jewelry, earrings, facial hair, etc.**

### Obligations and Benefits

**Students participating in the program do not incur any military obligation.** This program will enable the students to:

- Develop a high degree of strong morals, self-esteem, self-reliance, personal appearance, and leadership.
- Adhere to the values of integrity, service, and excellence.
- Increase their understanding of patriotism and responsibilities as US citizens.
- Participate in community service activities.
- Expand their skills of critical thinking and problem solving, communication and collaboration, and creativity and innovation.
- Demonstrate military customs, courtesies, and traditions and develop habits of order, discipline, and social skills.
- Acquire a broad-based knowledge of aerospace studies and leadership education.
- Strive to graduate from high school and prepare for college and careers in the 21st-century.
- Cultivate a commitment to physical fitness and a healthy lifestyle.

### Course Offerings

Three AFJROTC courses are typically offered each year. Each course has three components: aerospace science (40%), leadership (40%), and wellness program/physical fitness training (20%). AFJROTC 1 is offered every year and is the first AFJROTC course taken by a student new to the program. AFJROTC 2 and AFJROTC 3 are the intermediate courses and one of them will be offered each year. These two courses will be rotated from year to year. AFJROTC 4 is our advanced course and is offered every year to qualifying students.

### Air Force JROTC Program

The purpose of AFJROTC is to stimulate student interest in the aerospace age, to strengthen character and self-discipline, to encourage completion of high school and pursuit of higher educational goals, and to acquaint students with the role of the military in national security policy. Military protocol is followed in the classroom and students are required to show respect to our flag and country.

The OTHS AFJROTC is a unique elective course, combining academic classroom instruction with other activities, including (but not limited to) military uniform wear & drill, physical fitness training, community service, and extracurricular activities. Students enrolled in AFJROTC are expected to conduct themselves in accordance with the AFJROTC Cadet Guide, to meet specific standards as outlined by the Senior Aerospace Science Instructor (SASI), and to participate in the program's various activities. Although only as a last resort, students/cadets may be disenrolled from the AFJROTC program at the discretion of the SASI, in coordination with the OTHS administration. A cadet may be disenrolled for:

- Failure to maintain acceptable standards/failure to wear the uniform.
- Inaptitude or indifference to training.
- Disciplinary reasons.
- Failure to participate in required AFJROTC events (such as monthly commanders' calls and required flight-level activities).
- Individual request.
- Bullying.
- Failure to complete community service hours.
- Failure to promote on 2 consecutive semesters.
- Any other reason deemed appropriate by the SASI.

# AIR FORCE JUNIOR ROTC DEPARTMENT

Colonel Deanna Violette, Department Chairperson

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## **AFJROTC 1 LEADERSHIP & AEROSPACE**

Full Year 1 credit per full year

*Open to all levels*

*Prerequisite: Open to all beginning students*

### Aerospace Science

This is the recommended first AS course for all new cadets. It is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations and flight, then progresses through time to future developments in aerospace, with an introduction into cyber technologies. The intent of this textbook is to bring alive the significant discoveries in flight a reality. This book tells the story of why we are so proud of our Air Force heritage — laying the foundation for future Air Force JROTC aerospace science courses. Throughout the course 21st-century learning is adopted with readings, video clips, hands-on learner centered activities, and chapter project-based learning opportunities.

### Leadership Education

LE 100 is the component of JROTC leadership education. It is intended for students who are entering the AFJROTC program and beginning their high school studies. It introduces cadets to history, organization, mission, traditions, goals, and objectives of JROTC for all services. It also introduces key military customs and courtesies, describes how to project a positive attitude, and examines the principles of ethical and moral behavior. It provides strategies for effective note-taking and study skills for academic success. Lessons cover how to be emotionally, mentally, and physically healthy. Avoiding and preventing violence in today's society will also be covered. Recognizing types of bullying and how to advocate for prevention of this type of behavior. It covers healthy living, physical fitness, and how to make safe, drug-free, and responsible decisions. This textbook also examines the negative effects of air and water pollution, and how to help keep the environment safe.

Cadets will be introduced to civics and our national government, including a historical understanding of the American flag and other important national symbols. The final chapter covers how the US Constitution protects our rights and freedoms as American citizens.

### Wellness (Physical Fitness)

The wellness program consists of exercise programs focused upon individual baseline improvements and achieving AFJROTC standards. The wellness program develops all muscle groups and provides a combination of aerobic and anaerobic intensity, requiring no equipment. During the course of the year, students are assigned weekly physical fitness activities. Student progress is evaluated during an initial Cadet Fitness Assessment in the fall semester; during a final Cadet Fitness Assessment in the spring semester; and as part of both the fall and spring final examination process.

## **AFJROTC 2 LEADERSHIP & AEROSPACE**

Full Year 1 credit per full year

*Open to all levels*

*Prerequisite: Completion of AFJROTC 1*

### Aerospace Science: Cultural Studies-An Introduction to Global Awareness Part I

This is a customized course about the world's cultures, specifically designed for AFJROTC programs. It introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. Regions covered can include Africa, Latin America, and Europe.

### Aerospace Science (Spring semester): The Science of Flight (Units 1 & 4)

The Science of Flight: The second/third year Aerospace Science course is designed to acquaint the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. Unit 1 (Principles of Aircraft flight) includes sections studying the forces of lift, drag, thrust, and weight. In Unit 4 (Principles of Navigation) students learn basic navigation, including map reading, course plotting, and the effects of wind.

### Leadership Education: Communication, Awareness, and Leadership

This course stresses communications skills and cadet corps activities. Information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches complement the academic materials. Corps activities include holding positions of greater responsibility in the planning and execution of corps projects. Weekly uniform inspections and unit drill are also incorporated into the leadership curriculum, and a drill evaluation is included as part of both the fall and spring final examination process.

### Wellness (Physical Fitness)

The wellness program consists of exercise programs focused upon individual baseline improvements and achieving AFJROTC standards. The wellness program develops all muscle groups and provides a combination of aerobic and anaerobic intensity, requiring no equipment. During the course of the year, students are assigned weekly physical fitness activities. Student progress is evaluated during an initial Cadet Fitness Assessment in the fall semester; during a final Cadet Fitness Assessment in the spring semester; and as part of both the fall and spring final examination process.

# AIR FORCE JUNIOR ROTC DEPARTMENT

Colonel Deanna Violette, Department Chairperson

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## **AFJROTC 3 LEADERSHIP & AEROSPACE**

Full Year 1 credit per full year

*Open to all levels*

*Prerequisite: Completion of AFJROTC 1*

### Aerospace Science: Cultural Studies-An Introduction to Global Awareness Part II

This is a customized course about the world's cultures, specifically designed for AFJROTC programs. It introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. Regions covered could include the Middle East, Asia, Australia and Oceania, and North America

### Aerospace Science: The Science of Flight (Units 2 & 3)

The second/third year Aerospace Science course is designed to acquaint the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. Unit 2 begins with a discussion of the atmosphere and weather. Next, how that environment affects flight is introduced. Unit 3, flight and the human body, is a survey course on human physiology, including the human circulatory system, the effects of acceleration and deceleration, and protective equipment.

### Leadership Education: Life Skills and Career Opportunities

Topics include information on financial planning; how to save, invest, and spend money wisely, and how to avoid credit traps. Students are informed on real life issues such as understanding contracts, leases, wills, warranties, legal notices, and personal bills. Students will learn discuss practical money-saving strategies from grocery shopping to apartment selection and handling issues with roommates. Information is provided on preparing resumes and interviewing. Students also study how to decide what career paths to follow. Weekly uniform inspections and unit drill are also incorporated into the leadership curriculum, and a drill evaluation is included as part of both the fall and spring final examination process.

### Wellness (Physical Fitness)

The wellness program consists of exercise programs focused upon individual baseline improvements and achieving AFJROTC standards. The wellness program develops all muscle groups and provides a combination of aerobic and anaerobic intensity, requiring no equipment. During the course of the year, students are assigned weekly physical fitness activities. Student progress is evaluated during an initial Cadet Fitness Assessment in the fall semester; during a final Cadet Fitness Assessment in the spring semester; and as part of both the fall and spring final examination process.

## **AFJROTC 4 LEADERSHIP & AEROSPACE**

Full Year 1 credit per full year

*Open to all levels*

*Prerequisite: Completion of AFJROTC 2 and AFJROTC 3 with the grade of an "A" or "B"*

*Application and Instructor approval is required.*

### Aerospace Science: Management of the Cadet Corps / Survival

The Instructor will select from a combination of two courses. Management of the Cadet Corps provides hands-on experience and the opportunity to put the theories of previous leadership courses into practice; all of the planning, organizing, coordinating, directing, controlling and decision-making will be done by the cadets. Cadets in this course prepare for a comprehensive formal inspection conducted by HQ AFJROTC or conduct an annual Self Inspection reported to HQ AFJROTC. The Survival course provides instruction in skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival

### Leadership Education: Principles of Management

This course provides exposure to the fundamentals of management, and is intended to equip students with the skills & qualities needed to serve in leadership positions within the Cadet Corps. The text includes case studies, ethical dilemmas, and review activities based on real world experiences.. Topics include the importance of sound management; the techniques and skills involved in planning & decision making; the importance of managing change, stress, and innovation; and the key elements of individual & group behavior, the communication process, and leadership characteristics. Weekly uniform inspections and unit drill are also incorporated into the leadership curriculum, and a drill evaluation is included as part of both the fall and spring final examination process.

### Wellness (Physical Fitness)

The wellness program consists of exercise programs focused upon individual baseline improvements and achieving AFJROTC standards. The wellness program develops all muscle groups and provides a combination of aerobic and anaerobic intensity, requiring no equipment. During the course of the year, students are assigned weekly physical fitness activities. Student progress is evaluated during an initial Cadet Fitness Assessment in the fall semester; during a final Cadet Fitness Assessment in the spring semester; and as part of both the fall and spring final examination process.

**ART DEPARTMENT**

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**ART 1**

Full Year 1/2 credit per semester

*Open to all levels**Prerequisite: Open to all beginning students*

This course is designed to foster awareness and understanding of basic art, as it relates to our modern society. Design problems are explored by using various media, which include graphite, ink, oil pastel, colored pencil, watercolor, and tempera paint. Art I students will learn to create art utilizing both 2 dimensional and 3-dimensional design techniques and processes. Students will become immersed in art history, artistic culture, design, art criticism, and art production.

**ART 2**

Full Year 1/2 credit per semester

*Open to sophomores, juniors and seniors**Prerequisite: Completion of Art I with a grade of "B" or higher or Instructor consent.*

This course is designed to build on the technical skills and learning established in Art I. Students will continue to be immersed in art history, artistic culture, design, art criticism, and art production. Students will apply this learning to better understand and create more complex compositions, while also learning how to work more regularly from their own photographs and imagination. Students will be expected to work at a more rigorous pace than in Art 1. Students will continue to use a variety of media, including graphite, ink, acrylic paint, colored pencil, and charcoal.

**ART 3**

Full Year 1/2 credit per semester

*Open to juniors and seniors**Prerequisite: Completion of Art II with a grade of "B" or higher*

This course is designed for the advanced student who is especially interested in the field of art. Students will continue their focus on art history, criticism, overcoming design challenges, and art production; however, there will be increased focus on the development and application of critical thinking skills. The student will explore more complex principles of visual expression with a variety of media, including graphite, colored pencil, acrylic paint, ink, charcoal, and mixed media approaches. Students will be challenged to develop ways of representing ideas visually, create more complex and unique compositions, and work exclusively from their own photographs. Students will have increased autonomy over their compositions and media choices, learn about art careers, and begin the development of an AP portfolio for AP Drawing or AP 2-D Design.

**AP® ART AND DESIGN**

Full Year 1/2 credit per semester

*Open to seniors**Prerequisite: Completion of Art III with a grade of "B" or higher*

This course is designed to prepare students to submit an AP® portfolio in AP® Drawing or AP® 2-D Design. It is geared for the student who has a deep interest in art, likely to enter some phase of the field after high school graduation. The course builds on the expectations of Art III and focuses on two areas of development: Sustained Investigation (15 or more pieces aimed at showing the development of personal art style) and Quality (5 pieces that are a demonstration of artistic excellence). Students will be required to produce a digital portfolio by the completion of the course. Students are encouraged to develop the mind set of an artist, exploring and visually translating the world around them.

**CERAMICS 1**

1 Semester 1/2 credit

*Open to all levels**Prerequisite: Open to all beginning students*

This course offers students a basic vocabulary of ceramics. The students will learn about the stages of clay that include greenware, bisqueware, and glazeware. Pottery techniques and methods such as relief sculpture, modeling, coil building, slab construction, and pinch pots will be used to develop skills creating a variety of projects. Decorative techniques will also be introduced, which include staining, impressed design, glazing, and slip. The students will apply these to create sculptures that express a variety of individual works. The students will complete approximately one project every week or two with a total of 6 – 8 total projects during the course. Project examples include coil pencil holders, Chia pets, wizards, and architectural birdhouses.

**CERAMICS 2**

1 Semester 1/2 credit

*Open to sophomores, juniors and seniors**Prerequisite: Completion of Ceramics I with a passing grade.*

This course continues building upon the vocabulary and techniques from Ceramics 1, which includes the stages of clay, hand building techniques, decoration, and sculpture. The throwing wheel will also be introduced, and they will learn the history of the wheel. The students will create a variety of vessels that incorporate coil, slab, and sculpture hand building techniques. Projects include Southwest burnished pot, pressed mold pot, hidden box, thrown bowls, coffee mugs and a vase.



## CERAMICS 2 (CONT...)

The students will also be introduced to a variety of decorative techniques that include inlay, slip trailing, scraffito, burnishing, and onglaze. They will complete approximately 8-10 projects during the course.

## CERAMICS 3

1 Semester 1/2 credit

*Open to juniors and seniors*

*Prerequisite Completion of Ceramics 2 with a grade of "A" or "B" and Instructor Consent*

This course builds upon the vocabulary and techniques from Ceramics 2. The students will learn more advanced technical skills and lessons focus upon visual problem solving, self-expression and skill development. The students will experience greater autonomy in their artistic choices. The projects will be larger and take longer than in Ceramics 1 and 2. There will be an emphasis on creating works to include in artistic portfolios. The students will complete approximately one project every month with a total of 4-5 total projects during the course.

## CERAMICS 4

1 Semester 1/2 credit

*Open to juniors and seniors*

*Prerequisite Completion of Ceramics 3 with a grade of "A" or "B" and Instructor Consent*

This course builds upon the vocabulary and list of techniques from Ceramics 3. The students will learn more advanced technical skill and create rigorously with a focus upon visual problem solving, self-expression and skill development. The students will experience greater autonomy in their artistic choices and techniques and be required to create large and complex works of art that may be added to a previously started portfolio. Students will focus on the creation of pieces for public display and will complete approximately one project every month with a total of 4-5 total projects during the course.

## AP® 3D ART AND DESIGN

Full Year 1/2 credit per semester

*Open to seniors*

*Prerequisite: Completion of Ceramics 4 with a grade of "B" or higher or instructor consent*

This course is designed to prepare students to submit a 3D Portfolio to the College Board. It is geared for the student who has a deep interest in the creation of 3-Dimensional works of art, primarily utilizing clay, and who is likely to enter the field of art and design following graduation. The course builds upon the techniques and expectations of the Ceramics curriculum and focuses on two areas of development:

## AP® 3D ART AND DESIGN (CONT...)

Selected Works (10 digital images consisting of two views each of five works that demonstrate synthesis of materials, processes, and ideas), and Sustained investigation (15 digital images of works of art and process documentation that demonstrate sustained investigation through practice, experimentation, and revision). Students will be required to produce a digital portfolio by the completion of the course. Students are encouraged to develop the mindset of a professional artist, exploring, and visually translating the world around them.

## 3D MODELING, ANIMATION & 3D PRINTING 1

*(CGI, Animation and 3D Printing)*

1 Semester 1/2 credit

*Open to sophomores, juniors and seniors*

*Prerequisite: None*

This course will be an exploration into current digital 3D computer modeling primarily using Blender, a free, open-source software. This course applies to students interested in a variety of industries and endeavors including:

- Manufacturing such as 3D printed fine art, commercial product design, architecture, and machinery.
- Medical, forensic, aerospace, geologic, and all other scientific fields that use models for simulations, products, and research.
- Entertainment such as the video game industry, web developer, graphic designer, and CGI for animation and films.

## 3D MODELING, ANIMATION & 3D PRINTING 2

*(CGI, Animation and 3D Printing)*

1 Semester 1/2 credit

*Open to sophomores, juniors and seniors*

*Prerequisite: Completion of 3D Modeling, Animation & 3D Printing 1 with a grade of "A" or "B" and Instructor Consent*

This course will be taken to further explore current 3D design and Blender software techniques, building upon the technical aspects of 3D Modeling, Animation & 3D Printing 1. Students will also explore additional software of their choice as required for creating games, animations, and for production with 3D printers. 3D Modeling, Animation, & 3D Printing 2 is geared toward the artist with a deeper interest in digital art as a career and provides students with the autonomy to explore more complex and enriching themes artistically.

# CAREER & TECHNICAL EDUCATION DEPARTMENT

## CTE Department- Career Pathways Project

Julie Knutson, Department Chairperson

The Career & Technical Education (CTE) Department now offers the Creating Career Pathways Project (CCPP) which is designed to provide students the skills, knowledge, and certifications necessary to successfully enter the workforce and create a foundation for a productive career. At the heart of the CCPP is the CTE Academies and Preparatory Pathways: A series of focused coursework to develop specialty skills, aligned to student’s interests and aptitudes, to make them marketable in today’s workforce. Upon completion of an Academy, students will have the opportunity to take Career Ready Certification exams aligned to their area of concentration. Academies will also provide students with community connections for job shadowing, apprenticeships, and part-time employment. CTE curriculum is aligned to career skill sets that have been identified as areas of need for the community, state, and country.

Career Pathway Academy Required Courses ~Minimum of 4 Courses in Each Academy~	
<b>Administrative Office Academy</b>	<ul style="list-style-type: none"> <li>- Microsoft Office Applications</li> <li>- Accounting 1</li> <li>- Advanced Applications – Word/PowerPoint</li> <li>- Advanced Applications – Excel/Access</li> </ul>
<b>Business and Finance Academy</b>	<u>Accounting Pathway</u> <ul style="list-style-type: none"> <li>- Business Ownership</li> <li>- Microsoft Office Applications</li> <li>- Accounting 1 &amp; Accounting 2 (or Honors Accounting 1) - <i>required</i></li> <li>- Advanced Applications – Excel/Access</li> <li>- Personal Finance</li> <li>- Economics</li> </ul>
	<u>Business Administration Pathway</u> <ul style="list-style-type: none"> <li>- Business Ownership</li> <li>- Microsoft Office Applications</li> <li>- Accounting 1 or Honors Accounting 1</li> <li>- Advanced Applications – Word/PowerPoint</li> <li>- Advanced Applications – Excel/Access</li> <li>- Personal Finance</li> <li>- Marketing</li> <li>- Economics</li> </ul>
	<u>Business Management Pathway</u> <ul style="list-style-type: none"> <li>- Business Ownership</li> <li>- Microsoft Office Applications</li> <li>- Accounting 1 or Honors Accounting</li> <li>- Advanced Applications – Word/PowerPoint</li> <li>- Advanced Applications – Excel/Access</li> <li>- Marketing</li> <li>- Economics</li> </ul>
	<u>Entrepreneurship Pathway</u> <ul style="list-style-type: none"> <li>- Business Ownership</li> <li>- Microsoft Office Applications</li> <li>- Accounting 1 &amp; Accounting 2 (or Honors Accounting 1) - <i>required</i></li> <li>- Personal Finance</li> <li>- Marketing</li> </ul>

*\*Note: See Creating Career Pathways Project Academy Flyers for additional Academy details.*

**CAREER & TECHNICAL EDUCATION DEPARTMENT**  
**CTE Department- Career Pathways Project**

Julie Knutson, Department Chairperson

<p><b>Business and Finance Academy</b></p>	<p><u>Finance Pathway</u></p> <ul style="list-style-type: none"> <li>- Microsoft Office Applications</li> <li>- Accounting 1 &amp; Accounting 2 (or Honors Accounting 1) - <i>required</i></li> <li>- Advanced Applications – Excel/Access</li> <li>- Personal Finance</li> <li>- Marketing</li> <li>- Economics</li> </ul>
<p><b>Computer Networking Design and Cybersecurity Academy</b></p>	<p><u>Computer Networking Design Pathway</u></p> <ul style="list-style-type: none"> <li>- Computer Networking</li> <li>- Cybersecurity</li> <li>- Computer Programming</li> <li>- Advanced Applications – Excel/Access</li> </ul>
<p><b>Digital Media, Graphic Design and Broadcast Academy</b></p>	<p><u>Digital Media/Graphic Design Pathway</u></p> <ul style="list-style-type: none"> <li>- Microsoft Office Applications</li> <li>- Advanced Applications – Word/PowerPoint</li> <li>- Multimedia Production</li> <li>- 3D Model Animation</li> </ul>
	<p><u>Broadcast Pathway</u></p> <ul style="list-style-type: none"> <li>- Microsoft Office Applications</li> <li>- Video Production</li> <li>- Advanced Video Production (2 semesters)</li> <li>- Multimedia Production</li> </ul>
<p><b>Digital Marketing Academy</b></p>	<ul style="list-style-type: none"> <li>- Business Ownership</li> <li>- Microsoft Office Applications</li> <li>- Accounting 1</li> <li>- Advanced Applications – Word/PowerPoint</li> <li>- Marketing - <i>required</i></li> <li>- Advanced Digital Marketing &amp; Social Media - <i>required</i></li> </ul>
<p><b>Public Service Academy</b></p>	<p><u>Education and Leadership Academy</u> <span style="float: right;"><i>*Required courses</i></span></p> <ul style="list-style-type: none"> <li>- Early Childhood Education*</li> <li>- Growth and Development of Children*</li> <li>- Family Health Maintenance*</li> <li>- Psychology</li> <li>- Public Speaking</li> </ul>
	<p><u>Culinary Careers Academy</u> <span style="float: right;"><i>*3 required courses</i></span></p> <ul style="list-style-type: none"> <li>- Foods &amp; Nutrition</li> <li>- Culinary Careers</li> <li>- World Cuisine</li> </ul>

*\*Note: See Creating Career Pathways Project Academy Flyers for additional Academy details.*

**CAREER & TECHNICAL EDUCATION DEPARTMENT**  
**CTE Department- Career Pathways Project**

Julie Knutson, Department Chairperson

<b>Construction &amp; Engineering Design Academy</b>	<u>Engineering Design Pathway</u> <ul style="list-style-type: none"> <li>- Technical Drawing &amp; Engineering Design</li> <li>- Drafting &amp; Engineering Design</li> <li>- Engineering Design – CAD 1</li> <li>- Engineering Design – CAD 2</li> </ul>
<b>Construction &amp; Engineering Design Academy</b>	<u>Construction Design Pathway</u> <ul style="list-style-type: none"> <li>- Technical Drawing &amp; Engineering Design</li> <li>- Carpentry</li> <li>- Construction 1</li> <li>- Construction 2 – Advanced Building Trades - <i>required</i></li> </ul>
<b>Electrical and Solar Energy Academy</b>	<ul style="list-style-type: none"> <li>- Technical Drawing &amp; Engineering Design</li> <li>- Carpentry</li> <li>- Electrical Applications – <i>required</i></li> <li>- Construction 1</li> <li>- Construction 2 – Advanced Building Trades</li> <li>- Physics 1</li> </ul>
<b>Manufacturing Academy</b>	<ul style="list-style-type: none"> <li>- Technical Drawing and Engineering Design</li> <li>- Beginning Welding</li> <li>- Welding Technology 1</li> <li>- Welding Technology 2 - <i>required</i></li> </ul>

*\*Note: See Creating Career Pathways Project Academy Flyers for additional Academy details.*

# CAREER & TECHNICAL EDUCATION DEPARTMENT

## BUSINESS & TECHNOLOGY

Julie Knutson, Department Chairperson

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### CTE - BUSINESS

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Whatever your career choice, you will benefit from business skills and computer training acquired in the CTE – Business Department at O’Fallon Township High School. Courses offered in the department will develop business and technological skills needed for future job markets as well as prepare students for post-secondary studies in the area of business. All students can benefit from the various computer classes as part of their four years at O’Fallon to prepare to function in a technology-driven society. College-bound students find that our business courses provide an important foundation and preparation for during and after college years. Business courses are especially important for students planning to major in a business-related field such as accounting, business administration, economics, finance, management, marketing, information technology and office technology.

#### **ACCOUNTING 1**

Full Year

**CCPP Academy Course**

1/2 credit per semester

*Open to sophomores, juniors, and seniors*

*Prerequisite: Completion of Introduction to Algebra or Advanced Algebra 1 with a grade of “C” or better*

This course is highly recommended for students who have an interest in pursuing any major in business at the college level, or are considering owning their own business in the future. This course includes planned learning experiences that develop initial and basic skills used in systematically computerizing, classifying, recording, verifying and maintaining numerical data involved in financial and product control records including the paying and receiving of money. Instruction includes information on keeping financial records, summarizing them for convenient interpretation, and analyzing them to provide assistance to management for decision making. Much of the work in this class is done electronically, reflecting how accounting has become a computerized profession. In addition to stressing basic fundamentals and terminology of accounting, instruction will provide initial understanding of the preparation of budgets and financials reports, as well as career opportunities in the accounting field.

*State Course ID 12104A001*

#### **HONORS ACCOUNTING 1**

Full Year

**CCPP Academy Course**

1/2 credit per semester

*Open to sophomores, juniors and seniors*

*Prerequisite: Completion of Honors Algebra 1 or Advanced Algebra 1 with a grade of “B” or better*

Honors Accounting 1 will cover the same areas of study as Accounting 1 (*see course description above*).

The major difference between the two is the pace in which the material is covered and the difficulty of assigned problems. This course is highly recommended for students who have an interest in pursuing any major in business at the college level. Students learn how businesses plan for and evaluate their operating, financing and investing decisions and then how accounting systems gather and provide data to internal and external decisions makers. This year-long course covers all the learning objectives of a traditional college level financial accounting course, plus those from a managerial accounting course. Computer applications in the form of MS Excel will be integrated throughout the course.

*State Course ID 12104A001*

#### **ACCOUNTING 2**

Full Year

**CCPP Academy Course**

1/2 credit per semester

*Open to juniors and seniors*

*Prerequisite: Completion of Accounting 1 or Honors Accounting 1 with a grade of “B” or better or instructor approval.*

Accounting 2 is a course that builds upon the foundation established in Accounting 1. This course is planned to help students develop a deeper knowledge of the principles of accounting with more emphasis being placed on financial statements and accounting records. It is a study of previously learned principles as they apply to the more complicated types of business organizations, partnerships corporations, branches, etc. The students will become familiar with such specialized fields of accounting as cost accounting, tax accounting, payroll accounting, and others. Computer programs will be utilized throughout the course where applicable.

*State Course ID 12104A002*

*\*Note: See Creating Career Pathways Project Academy Flyers for additional Academy details.*

# CAREER & TECHNICAL EDUCATION DEPARTMENT

## BUSINESS & TECHNOLOGY

Julie Knutson, Department Chairperson

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### ADVANCED APPLICATIONS – EXCEL/ACCESS

*CCPP Academy Course*

1 Semester

1/2 credit

**SWIC Dual Credit Course**

*Open to sophomores, juniors and seniors*

*Prerequisite: Completion of Technology Essentials with a grade of “C” or better; or completion of a Proficiency Exam in the spring prior to enrollment*

The course will provide hands-on instruction in Microsoft® Excel and Microsoft® Access. Students will complete applications and demonstrate competence in the performance of a variety of spreadsheet and database tasks. Students will gain experience with beginning, intermediate, and advanced capabilities of both programs. Students will learn how to complete complex and repetitious calculations accurately, quickly, and easily using a computerized spreadsheet. Students will also learn how to organize, keep track of, and maintain data efficiently using a computerized database.

*State Course ID 10005A001*

### ADVANCED APPLICATIONS – WORD/POWERPOINT

*CCPP Academy Course*

1 Semester

1/2 credit

**SWIC Dual Credit Course**

*Open to sophomores, juniors and seniors*

*Prerequisite: Completion of Technology Essentials with a grade of “C” or better; or completion of a Proficiency Exam in the spring prior to enrollment.*

This course will provide hands-on instruction in the advanced features of both Microsoft® Word and Microsoft® PowerPoint. Students will obtain advanced skills in document formatting and presentation preparation. Students will gain experience with preparing a variety of business-related documents while incorporating advanced features of Word such as customizing paragraphs, inserting objects, creating tables and SmartArt, and enhancing documents with clip art, bullets, shading, and desktop publishing concepts. Students will also learn to locate and retrieve information from hard copy and electronic sources and prepare presentations incorporating advanced features of PowerPoint. Students will gain experience in developing presentations with professional appeal and utilizing presentations to present to an audience. ***This course is a must for any student planning to continue their education after high school.***

*State Course ID 10005A001*

### BUSINESS OWNERSHIP

*CCPP Academy Course*

1 Semester

1/2 credit

*Open to freshmen*

*Prerequisite: None*

This course will provide an overview of an array of topics and concepts related to the field of business. Students will be exposed to business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. An overview of the American economic system and corporate organization will also be included as well as all aspects of business, including the concepts, functions, and skills required for meeting the challenges of operating a business in a global economy.

*State Course ID 12051A001*

### COMPUTER PROGRAMMING *CCPP Academy Course*

Full Year

1/2 credit per semester

*Open to juniors and seniors*

**SWIC Dual Credit Course**

*Prerequisite: Completion of Advanced Algebra 2 or instructor approval*

Computer Operations & Programming is designed to develop computer programming and program design skills through the use of various programming languages such as Visual Basic, C+, Java and other object-oriented languages. Students will learn techniques to help with system analysis and design, as well as gaining knowledge of the systems development life cycle. Instruction will include basic programming tools that are common to many programming languages, including input/output statements, constants, assignment statements, input statements, string and numeric variable types, conditional, and branching and looping control structures. Students will learn programming techniques such as counting, averaging, rounding and the use of random numbers to develop a good programming style. Students will apply what they learn to create programs and applications that solve real world business related problems. Students will create programs to store, locate, and retrieve specific documents, data and information.

Students will gain valuable experience in logical problem solving and structured programming. The student will learn to develop program solutions using event-driven procedures and structured.

*State Course ID 10152A001*

# CAREER & TECHNICAL EDUCATION DEPARTMENT

## BUSINESS & TECHNOLOGY

Julie Knutson, Department Chairperson

### COMPUTER NETWORKING

1 semester

*CCPP Academy Course*

1/2 credit

**SWIC Dual Credit Course**

*Open to sophomores, juniors and seniors*

*Prerequisite: None*

This course covers the fundamentals of data communications and networking principles. Students will learn network standards, protocols, and topologies. Students will also learn network architectures of Local Area Networks and Wide Area Networks and related media, connections and components. Other topics covered include the OSI model, TCP/IP, and network security. Note: *Successful students will possess basic computer skills prior to enrolling.*

*State Course ID 10102A001*

### CYBERSECURITY

1 Semester

1/2 credit

**SWIC Dual Credit Course**

*Open to sophomores, juniors and seniors*

*Prerequisite: Completion of Computer Networking before enrolling in Cybersecurity is recommended, but not required.*

This course prepares students to use technology in a proficient and responsible manner in school, in the workforce and in everyday life. The course contains skills for working in an Internet or networked environment and the knowledge of what it means to be a good digital citizen and the ability to use technology responsibly. This course will provide an overview of cybersecurity including the importance of cybersecurity, the characteristics and operation of malware, and options for defense against cyber threats. Students will also explore why cybersecurity is important in various industries. The course will introduce information security, systems security, network security, mobile security, and physical security. Additional topics include ethics and laws, related technologies, defense and mitigation techniques used in protecting businesses. The course will discuss the characteristics and tactics of cyber criminals and explore the technologies, products, and procedures used by cybersecurity professionals to combat cybercrime.

*State Course ID 10020A001*

### COOPERATIVE EDUCATION/WORK EXPERIENCE

Full Year

1 credit for related class

*Open to seniors*

2 credits for work experience

*Prerequisite: Application and instructor consent required*

Cooperative Education is designed for senior students interested in gaining work experience in their focused field of study. Goals will be set cooperatively by the student, Coordinator, and employer. Students are released from

school for cooperative education work experience and will participate in related classroom instruction. Classroom instruction will focus on providing students with job survival skills, career exploration skills related to the job, and improving students' abilities to interact positively with others. Written training agreements and individual student training plans are developed and agreed upon by the employer, student and Coordinator. The Coordinator, student, and employer assume compliance with federal, state and local laws and regulations.

The goal of the cooperative work experience is for the student to gain part-time employment and maintain employment with acceptable skills.

Areas of concentration include:

1. Developing job skills as required at the training site
2. Maintain employment throughout each semester
3. Demonstrating job punctuality and attendance
4. Performing clerical duties
  - a. Completing job station reports
  - b. Completing training agreements
  - c. Completing time sheets
5. Job problem-solving
  - a. Using effective communication techniques
6. Meeting with work study coordinator to monitor on-job performance.

*State Course ID 12098A002*

### MARKETING

1 Semester

*CCPP Academy Course*

1/2 credit

*Open to juniors and seniors*

*Prerequisite: None*

Marketing I offers students insight into the processes affecting the flow of goods and services from the producer to the consumer. Course content ranges considerably as general marketing principles such as purchasing, distribution, and sales are covered; however, a major emphasis is placed on kinds of markets; market identification; product planning, packaging, and pricing; and business management. Students in this course will gain an understanding of various marketing strategies, realize the impact of the product life cycle, and understand the development of marketing functions and tasks related to current, real-world companies. Students will utilize a variety of programs and tools to incorporate concepts learned into realistic projects.

*State Course ID 12167A001*

*\*Note: See Creating Career Pathways Project Academy Flyers for additional Academy details.*

# CAREER & TECHNICAL EDUCATION DEPARTMENT

## BUSINESS & TECHNOLOGY

Julie Knutson, Department Chairperson

### ADVANCED DIGITAL MARKETING & SOCIAL MEDIA

*CCPP Academy Course*  
**SWIC Dual Credit Course**

1 Semester 1/2 credit

*Open to juniors and seniors*

*Prerequisite: Completion of Marketing with a "C-" or better*

This second semester of Advanced Marketing is a comprehensive course that focuses on the wide range of factors that influence the flow of goods and services from the producer to the consumer. Topics may include (but are not limited to) market research, the purchasing process, distribution systems, salesmanship, sales promotions, business management, and entrepreneurship. Students will also be introduced to the many facets of the advertising world. Promotion will be emphasized while focusing on the end consumer and product or service. Students will create television commercials, radio spots, and infomercials up to current trends and standards. Students will use a variety of programs and tools to incorporate concepts learned into realistic projects. This course will also explore the world of digital marketing strategies and social media marketing and how they impact and are integrated along with traditional marketing channels. The latest digital marketing trends will be discussed as well as creating a brand presence on social networks such as Facebook, Twitter, Tumblr, Instagram, and LinkedIn.

*State Course ID 12152A001*

### MICROSOFT® OFFICE APPLICATIONS

*CCPP Academy Course*

1 Semester 1/2 credit

*Open to freshmen, sophomores and juniors*

*Prerequisite: None*

***Students who are enrolled in or have successfully completed Advanced Applications - Word/PowerPoint or Excel/Access should not enroll in Microsoft® Office Applications.***

This is an essential course that provides students with an in-depth knowledge of the Microsoft® Office applications. Students will benefit from the skills gained in this course not only for other courses taken OTHS, but also for post-secondary studies, and/or for future employment. The course will provide instruction in Microsoft® Office applications, including Word, Excel, and PowerPoint, as well as the integration of these programs. Students will apply problem-solving skills to hands-on, real-life situations using a variety of software applications. This course is designed to develop awareness and understanding of application software and to prepare students for placement in advanced computer courses. **Take this course early in your four-year course plan to reap the most benefits!**

*State Course ID 10004A001*

### MULTIMEDIA PRODUCTION *CCPP Academy Course*

**(ADOBE DREAMWEAVER/ INDESIGN/PHOTOSHOP/LIGHTROOM/FLASH/ILLUSTRATOR) SWIC Dual Credit Course**

1 Semester 1/2 credit

*Open to sophomores, juniors and seniors*

*Prerequisite: Completion of Microsoft Office Applications, Advanced Applications – Word/PowerPoint **OR** Advanced Applications – Excel/Access*

Multimedia Production is a course designed to introduce students to a variety of multimedia programs. In this course, students will learn to create and design web sites using Adobe Dreamweaver and HTML while gaining an understanding of design standards as it relates to professional-quality sites. In addition, students will learn how to modify and alter scanned and digital images using Adobe Photoshop CC and Adobe Lightroom. Adobe InDesign and Adobe Illustrator will be introduced to create flyers, brochures, vector graphics and fonts. Adobe Flash will also be introduced and students will learn to create animation and video.

*State Course ID 10201A001*

### PERSONAL FINANCE

*CCPP Academy Course*

1 Semester 1/2 credit

*Open to juniors and seniors* **SWIC Dual Credit Course**

*Prerequisite: None*

This course is designed to familiarize students to their role as consumers in the free enterprise system. This course will teach students how to manage their personal resources by making informed choices as consumers in the marketplace. Specific consumer problems that students will encounter during both their school years and adult lives will be discussed. The abilities to make personal financial decisions in the areas of budgeting, record keeping, insurance, credit, investing, and financial institutions and services will be emphasized in the learning activities.

*State Course ID 12007A001*

### TECHNOLOGY ESSENTIALS

1/2 Semester 1/4 credit

*Open to all levels*

*Prerequisite: Enrollment in Driver Education*

This course is designed to develop and enhance the abilities to key by touch, proofread, correct errors, and format a variety of documents used throughout the OTHS curriculum. Students enrolled in Technology Essentials will obtain necessary skills related to the daily use of technology in education. They will learn to properly utilize the OTHS student data drive, develop important file management skills,



# CAREER & TECHNICAL EDUCATION DEPARTMENT

## BUSINESS & TECHNOLOGY

Julie Knutson, Department Chairperson

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format documents in Microsoft Word including announcements, letters, and MLA reports, utilizing a variety of Word 2019 features and shortcuts. Students will also gain experience with their OTHS Cloud email accounts and learn email etiquette while developing the ability to organize work and meet deadlines.

Students enrolled in this course are encouraged to continue with *Microsoft Office Applications or Advanced Applications – Word/PowerPoint*.

*State Course ID 12005A001*

### **VIDEO PRODUCTION** *CCPP Academy Course* *(ADOBE SUITE/LIGHTROOM/PREMIERE PRO)*

**SWIC Dual Credit Course**

1 Semester 1/2 credit

*Open to sophomores, juniors and seniors*

*Prerequisite: Instructor consent required – student interview may be conducted.*

Video Production is a course designed to provide students with the skills needed for a career in the technical aspects of broadcasting. Instruction includes camera operations, audio and video editing, sound and lighting techniques, and sound mixing. Students will gain an understanding of the basic principles and concepts of digital video production using digital video cameras, digital still cameras and computer software for finished video productions. Students will be required to produce individual videos as well as a variety of cooperative productions.

*Successful completion of this course will prepare students for participating in the Broadcast Club and working with the Panther Beat.*

*State Course ID 11051A001*

### **ADVANCED VIDEO PRODUCTION**

*(ADVANCED PREMIERE PRO/AFTER EFFECTS)*

*CCPP Academy Course*

1 Semester 1/2 credit

*Open to sophomores, juniors and seniors May be repeated.*

*Prerequisite: Successful completion of Video Production with a “C-” or better and instructor consent required.*

Students in Advanced Video Production will expand on the activities explored in Video Production. Students work in a team-based environment to create a variety of video and audio related broadcasts. Instruction includes single and multi-camera operations, video editing, production and post-production processes, sound mixing, multi-track production, audio editing, and special effects.

Students in this course will be responsible for producing the Panther Beat broadcast and developing video projects for a variety of activities at OTHS. Students also have the opportunity to participate in several live stream events for the high school.

*State Course ID 11051A002*

### **YEARBOOK DESIGN & PRODUCTION**

**SWIC Dual Credit Course**

1 Semester 1/2 credit

*Open to sophomores, juniors and seniors May be repeated.*

*Prerequisite: Application and instructor consent required*

This course is designed to develop skills in yearbook production by providing experiences in selected aspects of yearbook production. Students learn basic principles of yearbook design and production and develop skills that include writing copy, captions and headlines; digital photography; desktop publishing and using appropriate technology tools for media production. Students will work in a project-based environment in this class. Students will use image-editing programs to manipulate images, computer graphics, and original artwork. Instruction will include creating graphical headers and visually appealing backgrounds. Students will be required to cover both in and out of school events through photography and reporting assignments. Students enrolled in this course are responsible for producing the school’s yearbook and contributing to other student media.

*State Course ID 10201A001*

**CAREER & TECHNICAL EDUCATION DEPARTMENT**  
**FAMILY & CONSUMER SCIENCE**

Julie Knutson, Department Chairperson

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## **CTE - FAMILY & CONSUMER SCIENCE**

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**FOODS & NUTRITION**                      *CCPP Academy Course*  
1 Semester    1/2 credit

*Open to sophomores and juniors*

*\*If enrollment allows, seniors may be wait-listed.*

*Prerequisite: None* This course includes basic classroom and laboratory experiences needed to develop knowledge and understanding of basic food principles and applied nutrition for people of all ages. This course content centers around: promoting food service and preparations management; applying nutrition concepts; meeting health needs in planning, preparing, and serving food; maximizing resources; promoting hospitality; and analyzing individual and family nutritional needs. Information related to careers in foods and nutrition, along with safety and sanitation is incorporated throughout the course.

*State Course ID 16054A001*

**CULINARY CAREERS**                      *CCPP Academy Course*  
1 Semester    1/2 credit

*Open to juniors and seniors*

*Prerequisite: Completion of Foods & Nutrition with a "C-" or better.*

This course is designed to provide students interested in a career in culinary arts with the information and practical experiences needed for the development of food service job-related competencies. The students receive laboratory experiences using commercial food service equipment, if available, preparing food in quantity and serving food. Safety and sanitation are emphasized. Training experiences involve equipment and facilities, which simulate those found in business and industry.

*State Course ID 16054A002*

**WORLD CUISINE**                                      *CCPP Academy Course*  
1 Semester    1/2 credit

*Open to juniors and seniors*

*Prerequisite: Completion of Culinary Careers with a "C-" or better.*

This course will focus on the culture, foods, and recipes of cuisine found throughout the world. Emphasis is placed on management skills, human relations, personnel selection, supervision and career opportunities. Training experiences involve equipment and facilities that simulate those found in the restaurant business and industry when available.

*State Course ID 16054A002*

**GROWTH AND DEVELOPMENT OF CHILDREN**  
*CCPP Academy Course*

1 Semester    1/2 credit

*Open to sophomores, juniors, and seniors*

This course addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children. The focus is on research-based nurturing and parenting practices and skills, including brain development research that supports positive development of children. The theories of Erikson, Piaget, Vygotsky, and others will be studied as a foundation to understanding the physical, social, cognitive and emotional developmental milestones in children prenatally to 12 years. Students will explore opportunities in human services and education-related careers and develop a career portfolio.

*State Course ID 19052A001*

**EARLY CHILDHOOD EDUCATION**  
*CCPP Academy Course*

1 semester    1/2 credit

*Open to sophomores, juniors, and seniors*

This course provides students with information and practical experiences needed for the development of competencies related to childcare, day care, and other education services occupations. Laboratory experiences, either in a school-based or worksite learning facility, are included throughout the class. Students meet standards in developing programs and assisting with children's activities. Classroom study includes the philosophy and management of care centers and the state and local regulations governing care-giving operations. The learning experiences will involve working with children simulating those found in business and industry, as well as preparation for developing and facilitating these activities. Federal laws, licensing and regulatory requirements for programs serving children birth to 12 years are covered. The history of educating children from birth to 12 years will be addressed.

*State Course ID 19051A001*

*\*Note: See Creating Career Pathways Project Academy Flyers for additional Academy details.*

# CAREER & TECHNICAL EDUCATION DEPARTMENT

## FAMILY & CONSUMER SCIENCE

Julie Knutson, Department Chairperson

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### FAMILY HEALTH MAINTENANCE

*CCPP Academy Course*

1 semester 1/2 credit

*Open to juniors, and seniors*

This course is designed to address health, safety, and social/emotional issues related to children, parents, and families. Communicable illnesses, prevention methods, childcare regulations, treatments for common injuries, legal mandates for reporting abuse and neglect, effects of violence on children, and nutritional needs will all be covered. Students interested in the fields of early childhood education, family studies and social services would especially benefit from this course.

*State Course ID 19253A001*

### FAMILY & CONSUMER SCIENCE INDIVIDUALIZED INSTRUCTION

1 Semester 1/2 credit

*Open to juniors and seniors* 2 Semester Limit

*Prerequisite: Completion of advanced-level course work in the field and written consent from the instructor.*

No more than one individualized instruction student will be assigned to an instructor during a given semester. Students will be required to select a topic for study and Laboratory work must be a component of the study. The instructor must approve the topic during the first four weeks of the semester. A written contract specifying work to be completed must be signed by both the student and the instructor. At the end of the semester the student must submit a written report to the instructor. After grading, a copy of the report will be placed on file with the department chairperson.

*State Course ID 16097A000*

### FAMILY & CONSUMER SCIENCE

#### LABORATORY ASSISTANT

1 Semester 1/4 credit per semester

2 Semester Limit – Pass/Fail Option Only

*Open to juniors and seniors*

*Prerequisite: Successful completion of advanced-level course work in the field in which the student will assist and written consent from the instructor.*

No more than two laboratory assistants will be assigned to any teacher during a given period. Student laboratory assistants will be required to aid the teacher in preparation for instruction in the classroom and to assist the teacher in the preparation, organization, maintenance, distribution, and storage of laboratory materials and equipment.

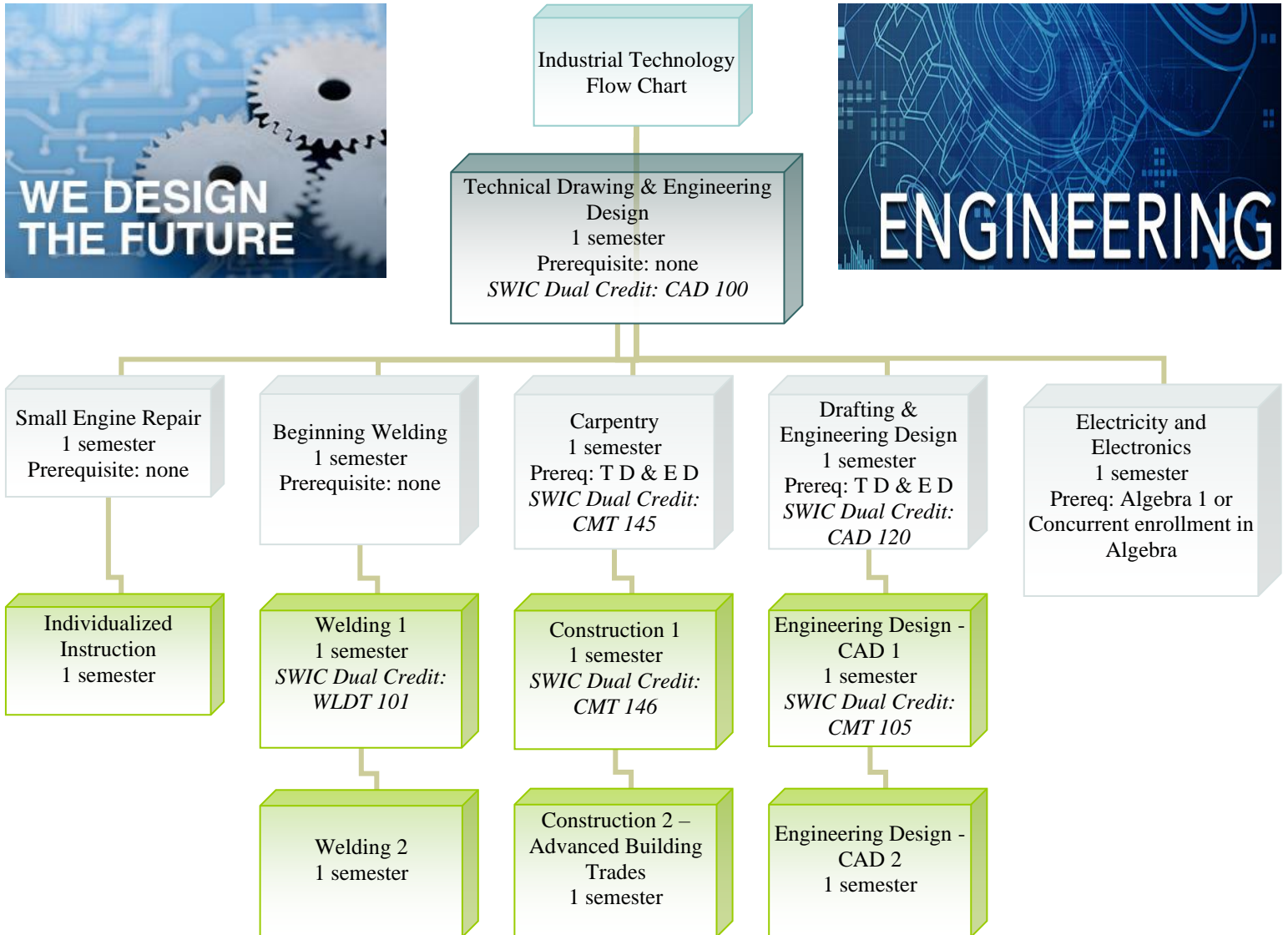
*Note: In order for a student to be a Lab Assistant, it must be their sixth class.*

*State Course ID 22245A000*

CAREER & TECHNICAL EDUCATION DEPARTMENT  
INDUSTRIAL TECHNOLOGY & ENGINEERING

Julie Knutson, Department Chairperson

Industrial Technology & Engineering  
Course Sequences



\*Note: See Creating Career Pathways Project Academy Flyers for additional Academy details.

# CAREER & TECHNICAL EDUCATION DEPARTMENT

## INDUSTRIAL TECHNOLOGY & ENGINEERING

Julie Knutson, Department Chairperson

### CTE – INDUSTRIAL TECHNOLOGY

#### TECHNICAL DRAWING & ENGINEERING DESIGN

*CCPP Academy Course*

1 Semester 1/2 credit

*Open to all levels*

**SWIC Dual Credit Course**

*Prerequisite: None*

Technical Drawing and Engineering Design will incorporate teaching/learning strategies that enable students to develop an understanding of new ideas. Instruction will foster an awareness and understanding of technologies in graphic communication; the design and problem-solving process; construction; and transportation technology. Students will be introduced to drafting communications using both manual and computer aided design techniques and will utilize the most recent version of Auto-Cad software on the market today.

*State Course ID 21052A001*

#### DRAFTING & ENGINEERING DESIGN

*CCPP Academy Course*

1 Semester 1/2 credit

**SWIC Dual Credit Course**

*Open to sophomores, juniors, and seniors*

*Prerequisite: Completion of Technical Drawing & Engineering Design*

This course introduces drafting-related occupations and the knowledge and skills needed for these occupations. Units will foster an awareness and understanding of drafting terms, drafting instruments and their uses, lettering styles and procedures, sketching and shape description, geometric construction, and multi-view projection. This class provides a foundation for students interested in engineering- or architecture- related careers. Mathematical learning standards and workplace skills are addressed in this class.

*State Course ID 21102A002*

#### ENGINEERING DESIGN (CAD) 1

*CCPP Academy Course*

1 Semester 1/2 credit

*Open to juniors and seniors*

**SWIC Dual Credit Course**

*Prerequisite: Completion of Drafting & Engineering Design*

This class provides a foundation for students interested in engineering or architecture-related careers. This course is designed to provide students interested in a career in drafting with information and practical experience needed for the development of job-related competencies. The course content includes planning and organizing activities, researching information, preparing various mechanical and architectural sketches, performing basic layouts, detailing drawings such as sectional and isometric views. Computer Aided Drafting

(CAD) software is used to generate various types of drawing. Mathematical learning standards and workplace skills are addressed in this class. *State Course ID 21106A001*

#### ENGINEERING DESIGN (CAD) 2

*CCPP Academy Course*

1 Semester 1/2 credit

*Open to juniors and seniors*

*Prerequisite: Completion of Architectural Drafting (CAD) 1*

This course builds upon CAD skills obtained in Architectural Drafting (CAD) 1 emphasizing technical drawings. The areas of performing presentation techniques such as producing architectural drawings, interpreting codes and constructing structural working drawings, producing mechanical and electrical/electronic working drawings, and producing civil engineering drawings. This class provides a foundation for students interested in engineering or architecture-related careers. Computer Aided Drafting (CAD) software is used to generate various types of drawings. Mathematical learning standards and workplace skills are addressed throughout the class. *State Course ID 21106A002*

#### CARPENTRY

*CCPP Academy Course*

1 Semester 1/2 credit

**SWIC Dual Credit Course**

*Open to sophomores, juniors and seniors*

*Prerequisite: Completion of Technical Drawing & Engineering Design*

This course consists of planned learning experiences designed to introduce this student to construction-related occupations and the knowledge and skills needed for these occupations. Areas of instruction include tools, materials, techniques, equipment, and processes utilized in the carpentry areas of construction. The Illinois Learning Standards (ILS) addressed in this class are mathematics, science and language arts.

*State Course ID 17007A001*

*\*Note: See Creating Career Pathways Project Academy Flyers for additional Academy details.*

# CAREER & TECHNICAL EDUCATION DEPARTMENT INDUSTRIAL TECHNOLOGY & ENGINEERING

Julie Knutson, Department Chairperson

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## CONSTRUCTION 1

CCPP Academy Course

1 Semester

1/2 credit

**SWIC Dual Credit Course**

*Open to juniors and seniors*

*Prerequisite: Completion of Carpentry 1*

Construction 1 is designed as an introductory course with emphasis on construction industry. It is also designed to provide comprehensive groundwork for construction. Instruction covers, but is not limited to, topics of: blueprint reading, residential floor/wall roof framing, estimating/structural computations, excavation, footings, and foundations. This course provides comprehensive background in the use of power tools.

*State Course ID 17003A001*

## CONSTRUCTION 2 - ADVANCED BUILDING TRADES

CCPP Academy Course

1 Semester

1/2 credit

*Open to juniors and seniors*

*Prerequisite: Completion of Construction 1*

Construction 2 is a skill-level course with emphasis on the construction industry. Instruction covers: interior walls, interior and exterior doors, window framing, roof and rafter construction and finish carpentry work. Emphasis will be placed on good work habits and practices, safety of both hand and power tools. Mathematics, science, and language arts learning standards are addressed in this class.

*State Course ID 17003A002*

## ELECTRICAL APPLICATIONS

CCPP Academy Course

1 Semester

1/2 credit

*Open to sophomores, juniors and seniors*

*Prerequisite: Completion of or enrollment in Algebra*

This course consists of planned learning experiences designed to introduce the student to electricity and electronics occupations and the knowledge and skills needed for these occupations. Areas of instruction include electron theory, energy sources, OHMS LAW A.C. and D.C. circuits, and the equipment used in analyzing and testing.

*State Course ID 17104A001*

## 3D MODELING, ANIMATION & 3D PRINTING

(CGI, Animation and 3D Printing)

CCPP Academy Course

1 Semester

1/2 credit

*Open to sophomores, juniors and seniors*

*Prerequisite: None*

This course will be an exploration into current 3D computer modeling primarily using Blender, a free, open source software. This course applies to students interested in a variety of industries and endeavors including: Manufacturing such as 3D printed fine art, commercial product design, architecture, and machinery; Medical, forensic, aerospace, geologic, and all other scientific fields that use models for simulations, products, and research; Entertainment such as the video game industry, web developer, graphic designer, and CGI for animation and films.

*State Course ID 11155A001*

## 3D MODELING, ANIMATION & 3D PRINTING 2

(CGI, Animation and 3D Printing)

1 Semester

1/2 credit

*Open to sophomores, juniors and seniors*

*Prerequisite: 3D Modeling, Animation, & 3D Printing*

This course will be an exploration into current 3D design and software and techniques for modeling 3D objects to be used in products such as games, movies and for production with 3D printers.

*State Course ID 11155A002*

## SMALL ENGINE REPAIR

1 Semester

1/2 credit

*Open to sophomores, juniors and seniors*

*Prerequisite: None*

This introductory course provides experience related to maintenance, repair, and servicing a variety of maintenance equipment such as lawn mowers, chainsaws, and rotary tillers. Areas of instruction include but are not limited to: safety principles and practices; combustion engine principles; carburetion principles; disassembly and reassembly of small gas engines; reading from technical manuals; measuring and performing mathematical calculations related to small engine mechanics.

*State Course ID 20110A001*

*\*Note: See Creating Career Pathways Project Academy Flyers for additional Academy details.*

# CAREER & TECHNICAL EDUCATION DEPARTMENT INDUSTRIAL TECHNOLOGY & ENGINEERING

Julie Knutson, Department Chairperson

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## **BEGINNING WELDING**      *CCPP Academy Course*

1 Semester      1/2 credit

*Open to sophomores, juniors and seniors*

*Prerequisite: None*

Beginning Welding is designed to introduce the student to the basic fundamentals of all types of welding. Instructions will include safety procedures, identification of oxy-acetylene equipment, electrode identification and the making of proper settings of arc welding machines when welds are to be made.

*State Course ID 13207A003*

## **WELDING TECHNOLOGY 1**      *CCPP Academy Course*

1 Semester      1/2 credit

**SWIC Dual Credit Course**

*Open to juniors and seniors*

*Prerequisite: Completion of Beginning Welding*

Welding 1 will consist of planned learning experiences designed to provide the student with job entry-level skills. Areas of instruction include, but are not limited to: safety, shielded metal arc welding using various electrodes, gas metal arc welding, and flux core arc welding. Emphasis will be placed on building proper size fillet weld in the 2F welding position

*State Course ID 13207A001*

## **WELDING TECHNOLOGY 2**      *CCPP Academy Course*

1 Semester      1/2 credit

*Open to juniors and seniors*

*Prerequisite: Completion of Welding Technology 1*

This course further develops skills obtained in Welding Technology 1 with additional areas of instruction including: 1) all position butt welding with heavier metal; 2) Vee-groove butt joints; 3) gas metal arc welding; flat butt weld, vertical butt weld, horizontal butt weld, and overhead weld.

*State Course ID 13207A001*

## **WELDING TECHNOLOGY 3 I.I.**

1 Semester      1/2 credit

*Open to seniors*

*Prerequisite: Completion of Welding Technology 2 AND instructor consent.*

This course continues to develop previously introduced skills. Additional areas of instruction include: 1) inspection of specified jobs; 2) maintenance of equipment; 3) proper material selection; 4) air/carbon arc cutting; 5) pipe welding; and 6) spot welding.

*State Course ID 13207A002*

*\*Note: See Creating Career Pathways Project Academy Flyers for additional Academy details.*

# CAREER & TECHNICAL EDUCATION DEPARTMENT INDUSTRIAL TECHNOLOGY & ENGINEERING

Julie Knutson, Department Chairperson

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## **INDUSTRIAL TECHNOLOGY INDIVIDUALIZED INSTRUCTION**

1 Semester 1/2 credit  
*Open to seniors* 2 Semester Limit  
*Prerequisite: Completion or advanced-level course work in the field and written consent from the instructor*

No more than one individualized instruction student will be assigned to an instructor during a given semester. Students will be required to select a topic for study and Laboratory work must be a component of the study. The instructor must approve the topic during the first four weeks of the semester. A written contract specifying work to be completed must be signed by both the student and the instructor. At the end of the semester, the student must submit a written report to the instructor. After grading, a copy of the report will be placed on file with the department chairperson.

*State Course ID 22997A000*

## **INDUSTRIAL TECHNOLOGY LABORATORY ASSISTANT**

1 Semester 1/4 credit per semester (2 semester limit)  
*Open to juniors and seniors*  
*Prerequisite: Successful completion of advanced level course work in the field in which the student will assist and written consent from the instructor.*

No more than two laboratory assistants will be assigned to any teacher during a given period. Student laboratory assistants will be required to aid the teacher in preparation for instruction in the classroom and to assist the teacher in the preparation, organization, maintenance, distribution, and storage of laboratory materials and equipment.

*Note: In order for a student to be a Lab Assistant, it must be their sixth class.*

*State Course ID 17995A0*

*\*Note: See Creating Career Pathways Project Academy Flyers for additional Academy details.*



## DRIVER EDUCATION AND HEALTH

### DRIVER EDUCATION

1/2 Semester

1/4 credit \*

*Open to all levels*

*Prerequisite: See Note\**

The driving age in Illinois is 18. A student may obtain a restricted driver's license at the ages of 16 and 17 if they pass an approved driver education course consisting of 30 hours of classroom and 12 hours of behind the wheel training (6 hours driving and 6 hours observation). O'Fallon Township High School offers students an Illinois State Board of Education approved driver education course.

- Driver Education classroom and behind the wheel driving introduces students to Illinois Rules of the Road, vehicle control procedures, risk management techniques, skills that assist drivers in different environments and decision-making methods to become responsible drivers. Students will apply for permits during the classroom portion of driver education. (Students must be 15 years of age, show proof of age: certified birth certificate or military ID, pay a \$20 fee to the Illinois Secretary of State's Office, pass a written test and pass a vision test 20/40)
- \*Eligibility for enrollment: Illinois State Law states that students must have successfully passed eight (8) courses in the previous two (2) semesters in order to enroll in driver education. There is a \$250 fee for driver education classroom / behind the wheel training. This fee must be paid before the student will be scheduled for behind the wheel driving.
- Driver Education classroom is a quarter class that counts toward a student's grade point average. Keyboarding essentials is offered the nine weeks opposite Driver Education for freshman and sophomores to fill out the semester. The classroom phase is offered five times a year and the behind the wheel training is offered throughout the school year plus during the summer.
- Behind the wheel driving sometimes occurs concurrently with classroom driver education and sometimes after the classroom portion (this is due to availability of driver education vehicles and the number of students enrolled). Behind the wheel driving lessons must be driven in not less than a 6-week period of time. (4 weeks allowable in the summer).

### HEALTH

1 Semester

1/2 credit

*Open to all levels*

*Prerequisite: None*

Health Education is a one-semester course required for graduation. It is designed to assist the student in developing an over-all base of knowledge of physical, emotional, and mental health and how it applies to their daily lives as they seek a high degree of wellness. The students will demonstrate better decision making and life skills for themselves physically, mentally, and emotionally (socially) by using the knowledge and information provided in this class. Materials and discussions will concentrate on the consequences of both risk and wellness behaviors. Major emphasis will be placed on personal care, body systems, personal fitness, mental health, drug intervention, chronic illnesses, and communicable/non-communicable diseases/disorders.

We will explore current health issues and trends related to teens and what effects these issues have on their lives. Students will realize that health is not just the absence of disease, but the positive state of physical, mental and social well being. Various topics to be discussed could include self-esteem (body image), first aid and safety (CPR/AED Education), refusal skills, responsible decision making, media influence, teen pregnancy and parenting, the life cycle, AIDS and STDs, suicide prevention, proper nutrition, physical fitness, substance abuse and prevention, and current issues that affect every day teen living.

### PERSONAL WELLNESS

1 Semester

1/2 credit

*Open to all Juniors and Seniors*

*Prerequisite: Successful completion of Health*

Personal Wellness is a one semester class designed to address the mental, social, and emotional needs of late adolescence and early adulthood. This class will introduce students to the skills and strategies helpful in becoming more focused, productive individuals. Topics will include goal setting, decision-making, morality, developing communication skills, relationships, and lifespan development as well as identifying and applying coping strategies related to anxiety, depression, time management, loss, etc. The student will examine personal wellness issues from an interpersonal and intrapersonal level. The impact of current health related issues will regularly be presented in class within the context of curriculum objectives. A variety of research-based materials and instructional techniques will be utilized. Students will be provided with several opportunities to explore personal topics of interest.

### **ESSENTIAL STUDY SKILLS**

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#### **ESSENTIAL STUDY SKILLS (REGULAR ED)**

1 Semester

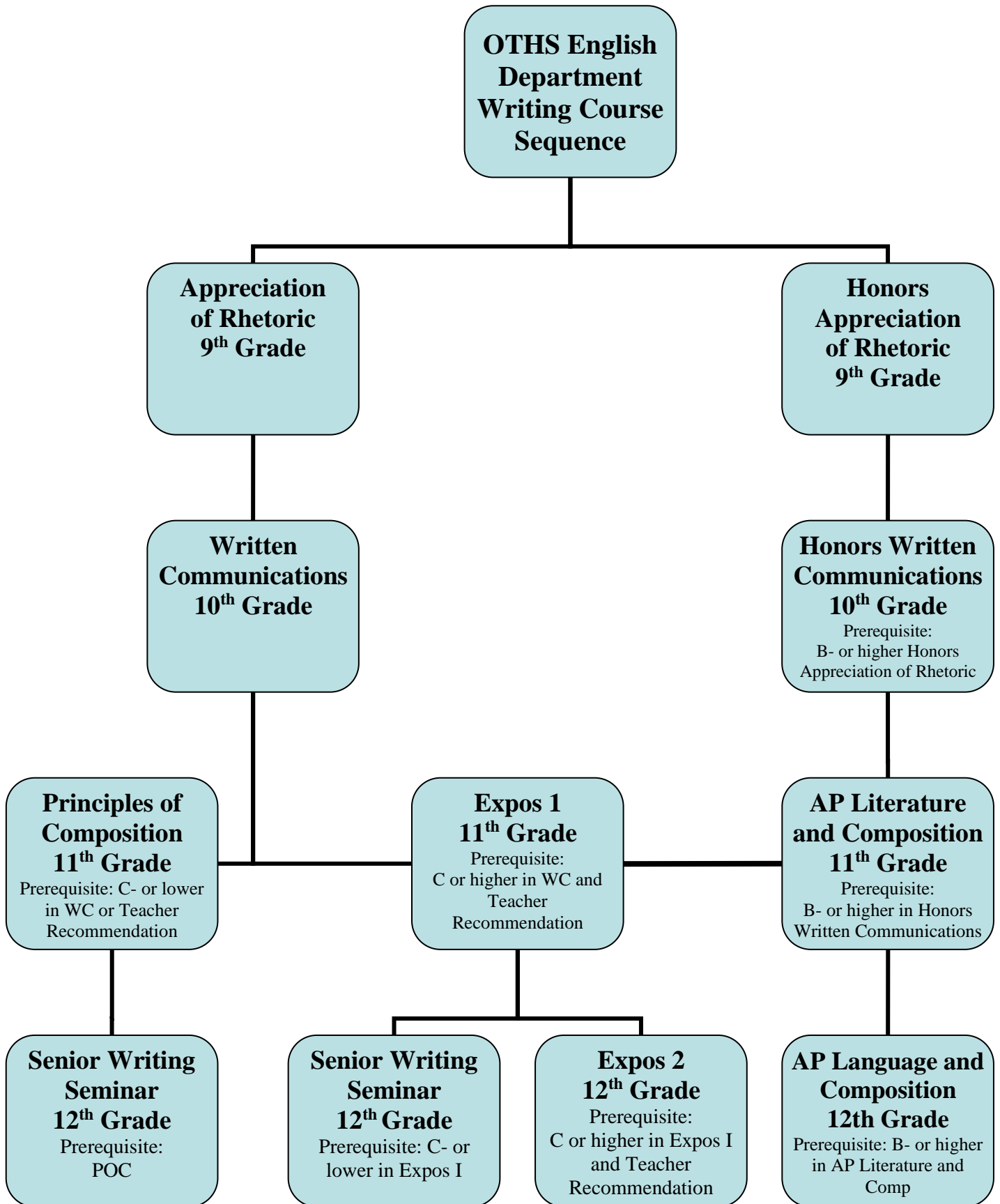
1/2 credit per semester

*Open to all levels*

*Prerequisite: Counselor recommendation*

Essential Study Skills (ESS) is open to all OTHS students. Classes are divided by grade level, and instruction focuses on basic skills that students at each level need for academic success. Students learn about note taking, organization, reading comprehension, communication, goal setting, test taking and other academic and life skills. A large amount of class time is also devoted to completing homework, preparing for tests, and individual and group tutoring. Each week, students track their progress in each of their academic classes and conference with the ESS teachers to receive individualized support. The ESS teachers coordinate with students' academic teachers and parents, when necessary, to provide additional supports.

ENGLISH DEPARTMENT



# ENGLISH DEPARTMENT

Jodie Seipp, Department Chairperson

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## FRESHMAN REQUIREMENTS

**FRESHMEN ARE REQUIRED TO TAKE ONE (1) WRITING-CENTERED COURSE AND ONE (1) TEXT-CENTERED COURSE.**

### WRITING-CENTERED COURSE OFFERINGS

#### **APPRECIATION OF RHETORIC**

1 Semester

*Open to freshmen*

*Prerequisite: None*

**NCAA**

1/2 credit

**General**

Appreciation of Rhetoric, a one-semester writing intensive required freshman course, covers the fundamental writing skills such as sentence structure, paragraph structure, and essay structure while incorporating the basics of presenting information orally. To do this, units will be arranged to highlight both oral and written aspects tied together with similar themes. These units will increase students' skills as researchers, so they can effectively write and present information to others throughout their high school years and beyond.

#### **HONORS APPRECIATION OF RHETORIC**

1 Semester

*Open to freshmen*

*Prerequisite: Invitation only*

**NCAA**

1/2 credit

**Honors**

Honors Appreciation of Rhetoric is a rigorous course that will require students to write research papers as well as present information orally. While the objectives and information categories are similar to those in Appreciation of Rhetoric, Honors Appreciation of Rhetoric students will cover material more quickly and be assigned more challenging oral projects.

### TEXT-CENTERED COURSE OFFERINGS

#### **APPRECIATION OF LITERATURE**

1 Semester

*Open to freshmen*

*Prerequisite: None*

**NCAA**

1/2 credit

**General**

Appreciation of Literature is a one-semester required freshman course designed primarily to introduce the formal study of literature. This course involves the study of short stories, poetry, non-fiction, novels in verse, and *Romeo and Juliet*. Grades are based on daily quizzes over lectures or reading assignments, writing assignments, unit tests, class discussion and notebooks.

#### **HONORS WORLD LITERATURE I**

1 Semester

*Open to freshmen*

*Prerequisite: Invitation only*

**NCAA**

1/2 credit

**Honors**

Honors World Literature I is designed for the student who has exceptional ability in reading and language arts. The literature studied in this course is world literature and includes all genres. The study of the literature is intense and the reading expected of the students is extensive.

**SOPHOMORE REQUIREMENTS**

**SOPHOMORES ARE REQUIRED TO TAKE ONE (1) WRITING-CENTERED COURSE AND ONE (1) TEXT-CENTERED COURSE.**

**WRITING-CENTERED COURSE OFFERINGS**

**WRITTEN COMMUNICATION**

1 Semester

*Open to sophomores*

*Prerequisite: None*

**NCAA**

1/2 credit

**General**

Written Communication is a foundational class within the English department. In this writing intensive, semester-long course, students will practice writing for a variety of purposes in order to expand their ability to write well. Units are organized thematically and will include textual analysis and responses, major essays that guide students through the entire writing process in depth, IMC skills, and necessary grammatical and technical writing skills.

**HONORS WRITTEN COMMUNICATION**

1 Semester

*Open to sophomores*

*Prerequisite: Completion of both Honors Rhetoric and Honors World Literature I with a grade of "B-" or better*

**NCAA**

1/2 credit

**Honors**

This honors composition course is designed for gifted English students who excel in writing. It is an accelerated, enriched, and differentiated version of Written Communication. Students will compose 4-5 process essays and focus on honing writing skills designed to prepare them for college-level writing.

**TEXT-CENTERED COURSE OFFERINGS**

**WORLD LITERATURE**

1 Semester

*Open to sophomores*

*Prerequisite: None*

**NCAA**

1/2 credit

**General**

This semester course engages students in an analytical study of classic to contemporary literature from around the world. This class will provide students the opportunity to experience and incorporate all elements of literacy: reading, writing, speaking, listening, and researching as they examine how culture impacts an individual's global perspective. By expanding their cultural boundaries, students will begin to realize their role as global citizens by embracing diversity and challenging individual and social prejudices.

**HONORS WORLD LITERATURE II**

1 Semester

*Open to sophomores*

*Prerequisite: Completion of both Honors Rhetoric and Honors World Literature I with a grade of "B-" or better*

**NCAA**

1/2 credit per semester

**Honors**

Honors World Literature II is designed for the student who has exceptional ability in reading, writing, and language arts. The world literature in this course includes varied genres of fiction and non-fiction and is studied thematically around such themes as Fate and Free Will, Good vs. Evil, Love and Hate, and Individualism vs. Society. The focus of the course is to engage students in dialogue about the literature through class discussion and written analysis. Students will read two independent novels, conduct presentations, and complete a research project. Works studied are from authors such as William Shakespeare, Dante Alighieri, Chinua Achebe, Wislawa Szymborska, John Keats, and Leo Tolstoy.

**JUNIOR REQUIREMENTS**

**JUNIORS ARE REQUIRED TO TAKE ONE (1) WRITING-CENTERED COURSE AND ONE (1) TEXT-CENTERED COURSE.**

**WRITING-CENTERED COURSE OFFERINGS**

**PRINCIPLES OF COMPOSITION**

1 Semester

*Open to juniors*

*Prerequisite: Completion of Written Communication with a grade of "C-" or lower or teacher recommendation*

**NCAA**

1/2 credit

**General**

Students who wish to improve their writing will be able to concentrate on the writing process for developing clearer and more understandable compositions. Students will receive help in improving the structure of sentences and paragraphs as well as developing personal essays.

**EXPOSITORY WRITING I**

1 Semester

*Open to juniors*

*Prerequisite: Completion of Written Communication with a grade of "C" or better and teacher recommendation*

**NCAA**

1/2 credit

**Enriched**

Students will refine personal essay writing and be introduced to research-based writing using the literary analysis and persuasive essays. Students will be expected to demonstrate mature, creative approaches to their writing while meeting acceptable standards of correctness and form. This class is designed for the college-bound student.

**AP® LITERATURE AND COMPOSITION**

Full Year (Fullfills both writing and text requirement)

*Open to juniors*

**NCAA**

1 credit

**Honors**

*Prerequisite: Completion of Honors World Literature II and Honors Written Communication with a grade of "B-" or better*

AP® Literature and Composition is a year-long course in world literature that uses modern critical methods and class discussion to examine challenging classical and contemporary texts and to explore the issues and ideas that emerge. As a college-preparatory writing course that exposes students to a variety of kinds of writing, it also emphasizes the skills of close reading and analysis of style through poetry and fictional prose. This course gives students the opportunity to hone their argumentation skills, makes them more comfortable with poetry analysis, and provides them practice in writing both at-home and in-class responses to literature. Throughout the course, students will examine works both in-class and independently around such themes as Dream vs. Reality, Conformity and Rebellion, Tradition and Progress,

Identity and Culture, and War and Peace. This year-long course fulfills both the text-centered and writing-centered requirements.

**TEXT-CENTERED COURSE OFFERINGS**

**AMERICAN LITERATURE**

1 Semester

*Open to juniors and seniors*

*Prerequisite: English classes with a grade of "C+" or better*

**NCAA**

1/2 credit

**Enriched**

American Literature is a survey course that begins with Puritan writings and ends with the 21<sup>st</sup> century. Essays, speeches, poetry, short stories, and novels are implemented in each unit of the course. Students discover the thoughts and ideas that have guided America to where we are at the present. This class is designed for the college-bound student.

**CONTEMPORARY THEMES**

**IN LITERATURE**

1 Semester

*Open to juniors*

*Prerequisite: None*

**NCAA**

1/2 credit

**General**

This course examines a variety of themes in literature. Students explore different genres from the short story to nonfiction essays to poetry, and gain a basic understanding of each. Class requirements include a group teaching project, and short written assignments throughout the semester. This class is designed to prepare a student with the comprehension skills needed to succeed in a variety of post-secondary settings.

**GLOBAL VOICES IN LITERATURE**

1 Semester

*Open to juniors and seniors*

*Prerequisite: None*

**NCAA**

1/2 credit

**General**

Students will study literature written by authors from a variety of cultural and ethnic backgrounds in order to gain a deeper understanding and appreciation of diversity within America and around the world. This multicultural literature class will encourage students to recognize and respect unique cultural perspectives while simultaneously finding commonalities amongst humankind. This class is designed to prepare a student with the comprehension skills needed to succeed in a variety of post-secondary settings.

# ENGLISH DEPARTMENT

Jodie Seipp, Department Chairperson

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## GREAT BOOKS

1 Semester

*Open to juniors and seniors*

*Prerequisite: None*

This course explores our reading lives by finding fiction and nonfiction that engages and challenges abilities and interests with the goal of creating lifelong readers. Students will have time to read and reflect through writing, collaborating with others, and creating projects inspired by their reading journeys.

**NCAA**

1/2 credit

**General**

## THEATRE LITERATURE

1 Semester

*Open to juniors and seniors*

*Prerequisite: None*

**NCAA**

1/2 credit

**General**

Students will read and study dramatic literature, both as a type of literature and as a blueprint for performance. Students will read a minimum of nine (9) plays representing various styles and periods. The plays read will serve as the basis for written essays, discussion, and in-class presentations. Though elements and characteristics of dramatic literature will be the focus, students will also be exposed to basic acting and staging techniques. This class is designed to broaden and expand the comprehension skills of the college-bound student.

**SENIOR REQUIREMENTS**

**SENIORS ARE REQUIRED TO TAKE ONE (1) WRITING-CENTERED COURSE AND ONE (1) TEXT-CENTERED COURSE.**

**WRITING-CENTERED COURSE OFFERINGS**

**SENIOR WRITING SEMINAR**

1 Semester

*Open to seniors*

*Prerequisite: Completion of Principles of Composition or C- or lower in Expos I*

**NCAA**

1/2 credit

**General**

Senior Writing Seminar is a class designed for struggling writers who want to improve their writing through a variety of activities. In addition to personal, creative, and research-based writing assignments, students will complete a semester-long project. Within the writing assignments, grammar, vocabulary, and mechanical skills will be reinforced as needed. Throughout the semester, editing and revision will be a focus of the writing process.

**EXPOSITORY WRITING II**

1 Semester

*Open to seniors*

*Prerequisite: Completion of Expository Writing I with a grade of "C" or better and teacher recommendation*

**NCAA**

1/2 credit

**Enriched**

The course helps students to refine their essay writing skills using research-based information rather than personal experiences. Several essays are based on required readings. Students also learn research skills and proper documentation as they write a research paper.

**AP® LANGUAGE AND COMPOSITION**

2 Semesters

*Open to seniors*

*Prerequisite: Completion of AP Literature and Composition with a grade of "B-" or better*

**NCAA**

1/2 credit

**SLU Dual Credit Course**

**Honors**

AP® English Language and Composition is a year-long course designed to give advanced, college-bound students multiple opportunities to work with rhetorical theory to more effectively examine and analyze the nature and impact of the rhetorical situation. Students will explore possible research topics throughout the first semester in order to prepare them for an extensive research project second semester. This course prepares students for the AP® English Language and Composition exam and fulfills both the text-centered and writing-centered requirements.

**WRITING LAB ASSISTANT**

1 Semester (2 semester limit) 1/4 credit per semester

*Open to seniors*

*Prerequisite: Approval of the English department chair based upon review of application and teacher recommendations.*

Students wishing to pursue a career in writing or education could benefit from this role. A lab assistant will be assigned by the department chair to work exclusively with a designated Written Communications teacher during a specific hour of the day. The lab assistant will assist Written Communications students throughout the writing process. Technical and research skills are also required to help students successfully complete course requirements.

*Note: In order for a student to be a Lab Assistant, it must be their sixth class. This is an elective English credit and does not count towards the required writing or literature course.*



# ENGLISH DEPARTMENT

Jodie Seipp, Department Chairperson

## TEXT-CENTERED COURSE OFFERINGS

### AMERICAN LITERATURE

1 Semester

*Open to juniors and seniors*

*Prerequisite: English classes with a grade of "C+" or better*

**NCAA**

1/2 credit

**Enriched**

American Literature is a survey course that begins with Puritan writings and ends with the 21<sup>st</sup> century. Essays, speeches, poetry, short stories, and novels are implemented in each unit of the course. Students discover the thoughts and ideas that have guided America to where we are at the present. This class is designed for the college-bound student.

### GLOBAL VOICES IN LITERATURE

1 Semester

*Open to juniors and seniors*

*Prerequisite: None*

**NCAA**

1/2 credit

**General**

Students will study literature written by authors from a variety of cultural and ethnic backgrounds in order to gain a deeper understanding and appreciation of diversity within America and around the world. This multicultural literature class will encourage students to recognize and respect unique cultural perspectives while simultaneously finding commonalities amongst humankind. This class is designed to prepare a student with the comprehension skills needed to succeed in a variety of post-secondary settings.

### GREAT BOOKS

1 Semester

*Open to juniors and seniors*

*Prerequisite: None*

**NCAA**

1/2 credit

**General**

This course explores our reading lives by finding fiction and nonfiction that engages and challenges abilities and interests with the goal of creating lifelong readers. Students will have time to read and reflect through writing, collaborating with others, and creating projects inspired by their reading journeys.

### PUBLIC SPEAKING

1 Semester

**NCAA**

1/2 credit

**SWIC Dual Credit Course**

*Open to seniors*

*Prerequisite: Must have C+ or higher in 10<sup>th</sup> and 11<sup>th</sup> grade English courses*

**Enriched**

This course will build on skills obtained in Appreciation of Rhetoric. It will teach skills in successful public speaking including instruction in the organization, presentation, and evaluations of various types of speeches, i.e., personal narrative, informative, group speech, and persuasive. This course is open to seniors. Students may also take this course for SWIC dual credit with three (3) college credit hours in SPCH 151.

### THEATRE LITERATURE

1 Semester

*Open to juniors and seniors*

*Prerequisite: None*

**NCAA**

1/2 credit

**General**

Students will read and study dramatic literature, both as a type of literature and as a blueprint for performance. Students will read a minimum of nine (9) plays representing various styles and periods. The plays read will serve as the basis for written essays, discussion, and in-class presentations. Though elements and characteristics of dramatic literature will be the focus, students will also be exposed to basic acting and staging techniques. This class is designed to broaden and expand the comprehension skills of the college-bound student.

### WORLD MYTHOLOGY

1 Semester

*Open to seniors*

*Prerequisite: None*

**NCAA**

1/2 credit

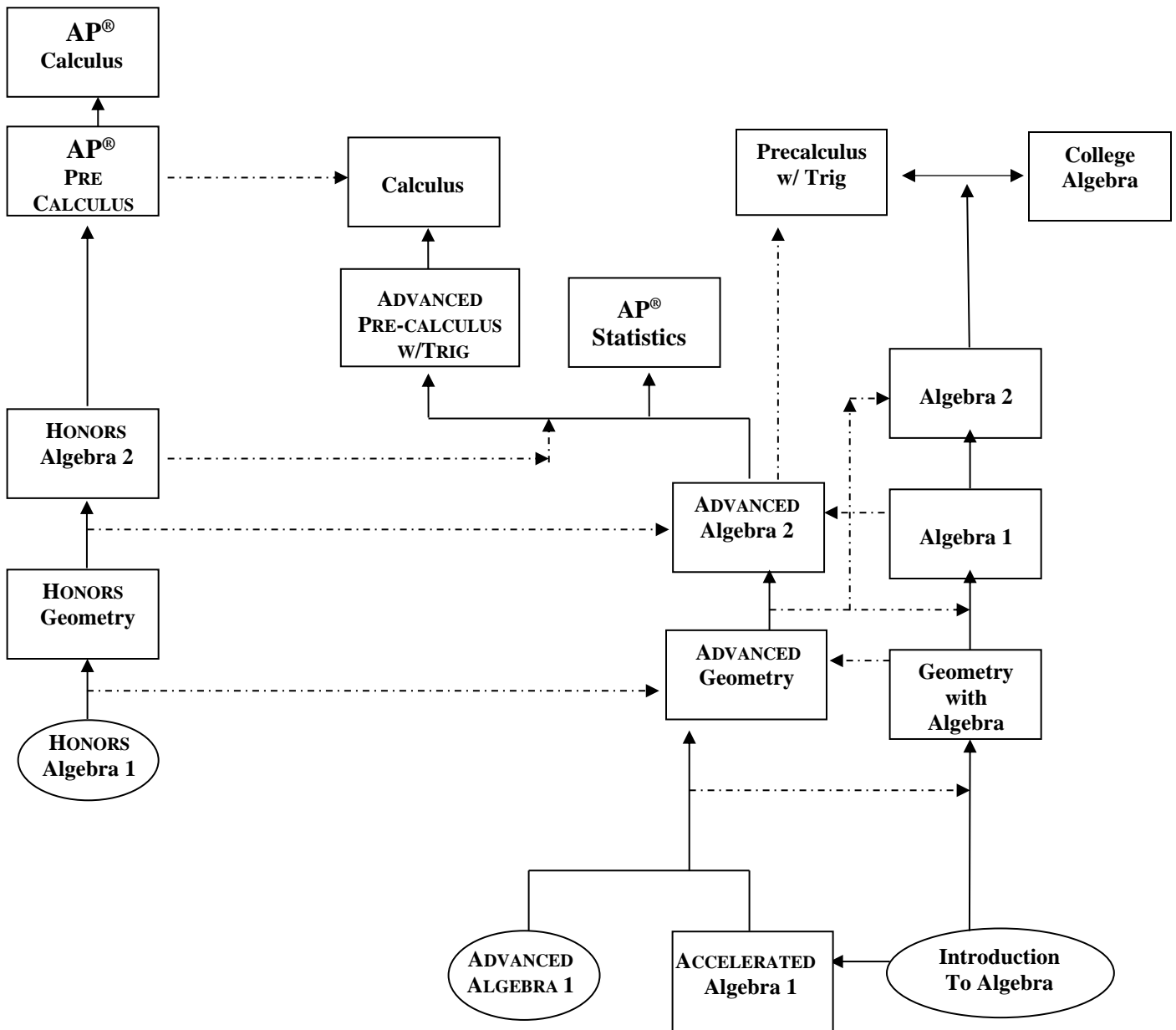
**General**

The class will explore a range of mythology from Greek, Roman, Norse, African American, Native American and others. The myths will focus on the creation of the world, mankind's errors in judgment, heroic adventures, and epics. This class is designed to broaden and expand the comprehension skills of the college-bound student.

## MATHEMATICS DEPARTMENT COURSE SEQUENCE FLOWCHART

All courses meet for the entire school year. To continue with courses in the college-prep sequence, students must pass the prerequisite course with a grade of “C” or better.

To take courses in the Honors sequence, a student must receive the consent of the department or have passed the prerequisite course with a grade of “B” or better. ***If recommended by their Honors Algebra 1 teacher, students may enroll in Honors Geometry and Honors Algebra 2 concurrently. Students will be permitted to enroll concurrently in two mathematics courses in the same semester ONLY in special circumstances to be determined by the School Counselor, communicated to the Mathematics Department Chairperson, AND with department chairperson approval. Enrollment in Accelerated Algebra 1 is limited to sophomores by invitation only.***



# MATHEMATICS DEPARTMENT

Teri Range, Department Chairperson

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## INTRODUCTION TO ALGEBRA

Full Year 1/2 credit per semester

*Open to all levels*

*Prerequisite: None*

**Remedial**

*Prerequisite: None*

Introduction to Algebra introduces the skills and concepts of a first-year algebra course. Emphasis will be upon the skills needed to solve and graph linear equations and inequalities, solve systems of equations, and complete applications of linear equations and systems of linear equations, along with all the numerical concepts required to support these topics. The course is specifically designed to meet the needs of students requiring practice with algebra and number skills at a slower pace. Students completing both semesters of Introduction to Algebra will enroll in Geometry with Algebra.

## ALGEBRA 1

Full Year 1/2 credit per semester

*Open to juniors and seniors*

*Prerequisite: Pass BOTH semesters of Introduction to Algebra and Geometry with Algebra*

**NCAA**

**General**

Algebra 1 is a one-year course of study of first year Algebra Topics that will build upon the student's previous knowledge of mathematics obtained in Introduction to Algebra and Geometry with Algebra. Algebra 1 will serve as a second course after Geometry with Algebra that will prepare students for course work in Algebra 2. Topics in Algebra 1 will include study of the real number line and its properties, solving linear and quadratic equations, as well as a review of how to solve systems of linear equations. Students will do work with Laws of Exponents, perform basic operations on polynomials, factor polynomials, simplify rational expressions and solve rational equations. Graphing quadratic functions, and work with probability will be undertaken. Students will also prepare for the SAT and ACT tests. Juniors who successfully complete Algebra 1 may enroll in Algebra 2.

## GEOMETRY WITH ALGEBRA

Full Year 1/2 credit per semester

*Open to sophomores, juniors and seniors*

*Prerequisite: Completion of BOTH Semesters of Introduction to Algebra OR an equivalent introductory level Algebra course.*

**NCAA**

**General**

Geometric concepts needed for success in more advanced algebra courses will be studied. Topics, skills, and concepts previously covered in Introduction to Algebra which are relevant to work in Geometry will be reviewed and applied.

Successful completion of both semesters of Geometry with Algebra will enable students to enroll in Algebra 1.

## ALGEBRA 2

Full Year 1/2 credit per semester

*Open to juniors and seniors*

*Prerequisite: Successful completion of Geometry with Algebra and Algebra 1 OR successful completion of Advanced Algebra 1 and Advanced Geometry with recommendation by a student's most recent mathematics teacher.*

**NCAA**

**General**

Algebra 2 will serve as the final course in the Introduction to Algebra, Geometry with Algebra, Algebra 1 sequence or a third course in the Advanced Algebra 1, Advanced Geometry sequence. Students taking this course should be preparing for further study at the post secondary level. Students are strongly encouraged to have a Texas Instruments Graphing Calculator to use throughout the course. Students will examine the real number system in conjunction with set theory. Students will take knowledge from Algebra 1 and expand upon it in areas such as linear equations and inequalities, functions, and linear and quadratic functions. Students will study quadratic functions and factoring, polynomials and polynomial functions, rational exponents, and radical functions. Students will also explore new areas such as polynomial functions, exponential and logarithmic functions, trigonometric functions, and statistics. Juniors who successfully complete Algebra 2 may enroll in College Algebra with Trigonometry as seniors. Students successfully completing both semesters of Algebra 2 are **not** eligible to enroll in either Advanced Precalculus with Trigonometry or Statistics.

## COLLEGE ALGEBRA

Full Year

1/2 credit per semester

*Open to seniors and qualifying juniors.*

*Prerequisite: Completion of both semesters of Algebra 2 with a B- or below OR successful completion of both semesters of Advanced Algebra 2 with a grade of D+ or below.*

**NCAA**

**General**

College Algebra is a full year course reviewing and extending upon Algebra 2 topics. The study of functions and their graphs will be emphasized. Topics will include linear, quadratic, piece-wise, rational, polynomial, exponential and logarithmic functions. Matrix algebra and basic arithmetic of complex numbers will be new topics covered in this course. Upon successful completion of this course, students will be able to apply a variety of problem-solving strategies to find solutions to

# MATHEMATICS DEPARTMENT

Teri Range, Department Chairperson

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an array of real-life problems. This course will provide the algebraic skills needed to pursue higher level studies in mathematics. All students registering for this course are required to have a graphing calculator.

## **PRECALCULUS WITH TRIGONOMETRY**

Full Year

**NCAA**

1/2 credit per semester

*Open to seniors and qualifying juniors* **General**

*Prerequisite: Successful completion of both semesters of Algebra 2 with a B or better OR successful completion of both semesters of Advanced Algebra 2 with a passing grade of C+ or lower. The TI-84 Graphing Calculator will be used for classroom work.*

PRECALCULUS with Trigonometry is a full-year course reviewing and extending upon Algebra 2 topics. Linear, quadratic, polynomial, logarithmic, exponential, and rational functions will be studied. Application of each of these functions to real world problems will be explored. During the second semester, trigonometric functions and their applications will be introduced. Units dealing with conic sections and statistics will be covered second semester. This course will help lay a foundation for students preparing for further study at the post-secondary level. Students who have completed Honors Algebra 2 are not eligible to enroll in this course. All students registering for this course are required to have a graphing calculator.

## **ADVANCED MATH SEQUENCE**

### **ADVANCED ALGEBRA 1**

Full Year

**NCAA**

1/2 credit per semester

*Open to freshman*

**Enriched**

*Prerequisite: None*

Advanced Algebra 1 is an intensive one-year course that will build upon the student's previous knowledge of mathematics by emphasizing language relating to the real number system and its properties. Topics include: expressions, equations and applications, inequalities, linear functions, linear equations and their graphs, systems of linear equations, exponents and exponential functions, polynomial operations and factoring, radical expressions, and quadratic functions. This course will also introduce the student to the TI-84 graphing calculator. It is strongly recommended that students purchase their own calculator. Successful completion of Advanced Algebra 1 (with a grade of "C" or better both semesters) prepares students for enrollment in Advanced Geometry. Students who have passed Advanced Algebra 1 with a grade less than a "C" must enroll in Geometry with Algebra the following year.

### **ACCELERATED ALGEBRA 1**

**NCAA**

Full Year

1/2 credit per semester

*Open to sophomores by invitation only*

**Enriched**

*Prerequisite: Recommendation by Introduction to Algebra teacher during the freshman year*

Accelerated Algebra 1 is a one-year course that will expand upon student's previous knowledge of algebra, going into more depth and greater detail. First semester topics will include linear equations and their graphs, inequalities, and linear functions, systems of equations and inequalities, and exponential functions. Second semester topics include polynomials and factoring, and radical expressions, quadratic functions, and rational expressions. This course will introduce students to the Texas Instruments graphing calculator. Students are strongly encouraged to purchase their own graphing calculator before the completion of the year. Successful completion of Accelerated Algebra 1 with a grade of C or better will enable students to enroll in Advanced Geometry.

### **ADVANCED GEOMETRY**

**NCAA**

Full Year

1/2 credit per semester

*Open to sophomores, juniors, and seniors*

**Enriched**

*Prerequisite: Completion of Advanced Algebra 1 or Accelerated Algebra 1 with a grade of C or better BOTH semesters.*

Advanced Geometry is designed to help students develop habits of clear thinking in order to make conjectures and follow a logical sequence of deductive reasoning. Students will learn about geometric relationships in both two and three dimensions: lines, planes, angles, circles, polygons, etc. will be studied. Different problem-solving techniques are introduced, and students are encouraged to use them when doing assignments. During the first semester students will focus on learning geometric concepts through constructions and transformations (most specifically of triangles). The development of logical proofs and the use of algebraic skills to solve geometric problems will also be emphasized. The focus of the second semester will be on properties and formulas related to polygons, circles, coordinate geometry, polyhedra and work in three dimensions.

## ADVANCED ALGEBRA 2

**NCAA**

Full Year

1/2 credit per semester

*Open to sophomores, juniors and seniors* **Enriched**

*Prerequisite: Completion of Advanced Geometry with a grade of "C" (not C-) or higher both semesters AND a grade of "C" or higher both semesters of Advanced Algebra 1 OR a grade of A (95% or higher) both semesters in Algebra 1 and the recommendation of the Algebra 1 teacher.*

Advanced Algebra 2 is a full-year course designed for college-bound students. Students are required to have a Texas Instruments Graphing Calculator which will be used extensively. The course begins with a review of the real numbers system and its properties, then continues on to solving and graphing linear functions. Linear systems eventually build into some basic work with matrices. The main emphasis in the systems chapter will be linear programming. First semester ends with the study of quadratic equations and functions. Students will graph quadratic functions and solve quadratic equations using several different methods. During the second half of the school year, students will study radical functions and rational expressions, exponential and logarithmic functions, rational functions, trigonometric functions, polynomials, and polynomial functions. Students enrolling in Advanced Algebra 2 should be motivated to work. They should also possess thinking skills that allow them to make the transition to a higher, more abstract cognitive level of mathematics than previously attained.

**Students completing Advanced Algebra 2 with a passing grade of C- or less either semester will be recommended for College Algebra with Trigonometry placement. Students completing Advanced Algebra 2 with a grade of C or higher are eligible to enroll in Descriptive and Inferential Statistics. A grade of B or higher is necessary for enrollment in Advanced Pre-Calculus with Trigonometry.**

## AP<sup>®</sup> STATISTICS

**NCAA**

Full Year

1/2 credit per semester

**SLU Dual Credit Course**

*Prerequisite: Successful Completion of Advanced Algebra 2 with a grade of C or higher OR Honors Algebra 2 with a passing grade.* **Enriched**

AP<sup>®</sup> Statistics is a year-long course designed to prepare students for collegiate level work in probability and statistics. Descriptive Statistics is studied first semester and includes such topics as graphical displays of data, numerical descriptions of data, summarizing bivariate data, probability, random variables, and probability distributions. Inferential statistics is the focus of second semester and includes such topics as planning a statistical

study, point estimation, interval estimation, and various forms of hypothesis testing. Students who enroll in AP<sup>®</sup> Statistics will be prepared to take the AP<sup>®</sup> Statistics exam in early May. An increasing number of college programs and majors are requiring some coursework in statistics and this course serves as excellent preparation for such work. Applications and case studies are provided for study throughout the course and exposure to software programs used in collegiate statistics courses as well as the Statistics features of the TI-84 and TI Nspire calculator are essential components of the course. **The TI-84 and TI Nspire Graphing Calculator will be used for all work in this course.**

## ADVANCED PRE-CALCULUS WITH TRIGONOMETRY

**NCAA**

Full Year

1/2 credit per semester

*Open to juniors and seniors* **Enriched**

*Prerequisite Completion of Advanced Algebra 2 and Advanced Geometry with a grade of B- or higher both semesters in each course*

Advanced Pre-Calculus with Trigonometry is a one-year course for students with a very strong background in both Algebra and Geometry who are interested in pursuing further coursework in mathematics, engineering, or the sciences. During first semester, students will study polynomial, rational, exponential, and logarithmic functions and their properties. Second semester focuses on functions of arc lengths on the circumference of the unit circle (circular functions) and their graphs, trigonometric functions, trigonometric identities, inverse trigonometric functions, and algebraic solutions of trigonometric equations. A variety of application problems from surveying and navigation will be solved using the Law of Sines and Law of Cosines. Extensive use of graphing calculator technology will be made in this course, and each student will be required to have a TI-84 model graphing calculator in their possession every day. Successful completion of this course will prepare students for a first course in Calculus.

# MATHEMATICS DEPARTMENT

Teri Range, Department Chairperson

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## CALCULUS

**NCAA**

Full Year 1/2 credit per semester  
*Open to juniors and seniors* **Enriched**  
*Prerequisite: Completion of Advanced Pre-Calculus with Trigonometry with a grade of "C"(not C-) or better both semesters.*

Calculus is a course designed to introduce students to the fundamental techniques and applications of calculus. Students review important pre-calculus topics with special emphasis on limits. Techniques of differentiation and integration are studied and applied to a variety of real-life situations. Although students are required to understand the meanings and applications of both the derivative and the integral, emphasis is placed upon skills and concepts rather than on a theoretical understanding of the calculus. This course is designed to prepare students for the AP Calculus AB exam, and it serves as an excellent preparation for college level calculus courses.

## HONORS MATH SEQUENCE

### HONORS ALGEBRA 1

**NCAA**

Full Year 1/2 credit per semester  
*Open to freshmen* **Honors**  
*Prerequisite: Eligibility determined by qualifying criteria*

Honors Algebra 1 is a one-year course covering the material in a typical first-year algebra course plus additional topics, all at an accelerated pace and in greater depth. Solving equations, fractions and their applications, inequalities, polynomials, linear functions, systems of equations, rational expressions and equations, quadratic functions and data analysis are just some of the topics covered in this course. Some geometry topics are also integrated into the curriculum. The TI-84 graphing calculator is a valuable asset for this class. Each student is required to have one of these calculators in their possession for every class session. Successful completion of both semesters of this course with a grade of "B" (not B-) or higher is necessary for students to enroll in Honors Geometry as sophomores. A grade of "B-" or lower requires that the student take Advanced Geometry the following school year. The Honors Algebra 1 teacher may recommend that those students demonstrating exceptional talent and abilities in mathematics (very high A average both semesters) "double up" and enroll in both Honors Geometry and Honors Algebra 2 during the next school.

### HONORS ALGEBRA 2

**NCAA**

Full Year 1/2 credit per semester  
*Open to sophomores and juniors* **Honors**  
*Prerequisite: Completion of Honors Geometry with a grade of "B" (not B-) or higher both semesters OR recommendation by the Honors Algebra 1 teacher to double in Honors Geometry and Honors Algebra 2*

Honors Algebra 2 is a full-year course designed for the most talented students of mathematics at this level of the curriculum. A Texas Instruments Graphing Calculator is required and will be used extensively. Significant emphasis will be placed upon the language and vocabulary in mathematics. The course begins with a study of the algebraic properties, set theory, and a review of solving linear equations and inequalities. The first semester concentrates on linear functions and their applications. Students will discover how to work with linear functions numerically, graphically and algebraically. The concept of linear functions will be extended to and applied to systems of linear functions and matrix algebra. The first semester will conclude with a study of the laws of exponents. An in-depth study of polynomial, exponential, logarithmic, and rational functions will be the major focus of the second semester. Again, students will study these functions numerically, graphically, and algebraically. Students will explore multiple problem solving strategies, applying higher level thinking skills. In addition to the study of functions, inverse functions will be introduced and their application studied. A detailed analysis of the models and graphs of conic sections will be implemented during the second semester. Finally, students will be introduced to the basic principles of probability as well as the statistical analysis of data. An abundance of real world applications will be presented throughout the year to enhance each student's appreciation and understanding of mathematics. Successful students that complete the course with a grade of "B" or better for both semesters may enroll in Honors PreCalculus/Trigonometry the following year.

# MATHEMATICS DEPARTMENT

Teri Range, Department Chairperson

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## HONORS GEOMETRY

**NCAA**

Full Year 1/2 credit per semester

*Open to freshmen and sophomores* **Honors**

*Prerequisite: Completion of Honors Algebra 1 with a grade of "B" (not B-) or higher BOTH semesters*

Honors Geometry is a one-year course intended for mathematically-talented students. The mission of the class is to develop innovative problem solvers who think critically through problems, make connections, formulate creative strategies, apply mathematical concepts, generate accurate but efficient solutions, and effectively communicate ideas through logical reasoning. Emphasis first semester is placed upon language, developing logical reasoning skills by writing proofs as well as practicing creative problem-solving techniques. During second semester, students will study similarity, right triangles, circles, area, and volume of three-dimensional figures. Admission to the course as a Freshman is by invitation only.

Note: Consent of the department chairperson is required unless the Honors Algebra 1 prerequisite is satisfied.

## AP<sup>®</sup> PRE-CALCULUS

**NCAA**

Full Year 1/2 credit per semester

*Open to juniors and seniors* **Honors**

*Prerequisite: Completion of Honors Algebra 2 with a grade of "B"(not B-) or higher BOTH semesters*

AP<sup>®</sup> Pre-Calculus is a one-year course for students who have demonstrated an aptitude for mathematics and have been very successful in previous Honors level mathematics classes. This mathematically rigorous course provides talented students with an environment rich in applications and problem solving. During the first semester, students will study polynomial, rational, exponential, and logarithmic functions and their properties. Emphasis second semester is placed upon trigonometric functions and their graphs as well as trigonometric identities, trigonometric equations, and the solving of triangles. The year ends with a unit on vectors, parametric functions, and conic sections. Only students receiving a grade of B or higher in AP<sup>®</sup> Pre-Calculus are eligible to enroll in AP<sup>®</sup> Calculus the next school year.

## AP<sup>®</sup> CALCULUS

**NCAA**

Full Year 1/2 credit per semester

**SLU Dual Credit Course**

**Honors**

*Prerequisite: Completion of Honors Pre-Calculus with Trig with a grade of "B" (not B-) or higher both semesters*

AP<sup>®</sup> Calculus is an engineering-based one-year course designed to prepare the mathematically talented student for success in the fields of mathematics, engineering or the sciences at any major four-year college or university. Successful completion of AP<sup>®</sup> Calculus affords students the opportunity to receive dual credit through St. Louis University or to take the Advanced Placement (AP<sup>®</sup>) AB-Calculus Test. Concepts will be developed from a strong theoretical base. Understanding of concepts will be emphasized as well as practical applications from engineering and the sciences. Continuity and limits of functions will be studied and used to provide the theory base for the development of other concepts. First semester will focus upon concepts related to the differentiation of a function, including derivative rules, the chain rule, implicit differentiation, local linearization, and related rate and min/max problems. Transcendental functions will be introduced early in the course and used throughout. Integration theory and its applications will be the focus in the second semester. The Fundamental Theorem of Calculus will be explored, rules for integration and integration techniques will be studied. A variety of applications will be considered, including volumes of solids of revolution, surface areas of solids, as well as separable differential equations. Strategies will explore these concepts from numerical, graphical, and analytical perspectives. Each student will be required to have a TI-84 model graphing calculator for daily use.

# PERFORMING ARTS DEPARTMENT

Dr. Melissa Gustafson-Hinds, Department Chairperson

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## MUSIC DEPARTMENT

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### HONORS CHAMBER ENSEMBLE

1 Semester (Fall) 1/2 credit  
*Open to sophomores, juniors and seniors*  
*Prerequisite: Blind Audition*

This is a one-semester course focusing on the highest levels of vocal musicianship. Students will continue developing proper vocal technique in a large variety of vocal styles and genres, from Renaissance music to Gospel and Contemporary styles, and sing repertoire in a variety of languages and meters. Advanced theory and sight reading are also included in the daily course load. Voicings range from SATB to SSAATTBB. Madrigals is encompassed within this group. Additionally, all students enrolled in Honors Chamber Ensemble must audition for ILMEA, participate in up to 10 madrigal outreach performances during the school year, and attend a variety of required events outside of the regular school day. **All members are required to study voice privately.** Students must also be enrolled in the Spring Chamber Ensemble the following semester to be eligible for Honors Chamber Ensemble.

During the semester, students will be participating in the following mandatory performances:

- Feeder School Concert
- Fall Concert
- Madrigal Dinners
- Community Outreach Performances
- ILMEA District Auditions/Festival

Optional Opportunities for participation & engagement:

- Extra-Curricular Choirs
- ILMEA All State Festival
- Spring Musical
- Tri-M Music Honor Society
- Festival Trips (destination to be determined)

Enrollment in the choir program offers a variety of performances and travel opportunities. Previous trips include:

- 2018 – New York City, New York
- 2016 – Disney Land, Los Angeles
- 2014 – New York City, New York

### SPRING CHAMBER ENSEMBLE

1 Semester (Spring) 1/2 credit  
*Open to sophomores, juniors and seniors*  
*Prerequisite: Blind Audition*

This is a one-semester course focusing on the highest levels of vocal musicianship. Students will continue developing proper vocal technique in a large variety of vocal styles and genres, from Renaissance music to Jazz and Contemporary styles, and sing repertoire in a variety of languages and meters. Advanced theory and sight reading are also included in the daily course load. Voicings range from SATB to SSAATTBB. The Jazz Choir is encompassed within this group. Additionally, all students enrolled in Chamber Ensemble must participate in IHSA Solo & Ensemble contest and attend a variety of required events outside of the regular school day. **All members are required to study voice privately.** Students must also have been enrolled in the Honors Chamber Ensemble the previous semester to be eligible for Chamber Ensemble.

During the semester, students will be participating in the following mandatory performances:

- Community Outreach Performances
- IHSA Solo/Ensemble Contests
- IHSA Organizational Contest
- Spring Concert
- Spring Pops / Finale Concert

Opportunities for participation will include:

- Extra-Curricular Choirs
- ILMEA All State Festival
- Spring Musical
- Tri-M Music Honor Society
- Festival Trips (destination to be determined)

Enrollment in the choir program offers a variety of performances and travel opportunities. Previous trips include:

- 2018 – New York City, New York
- 2016 – Disney Land, Los Angeles
- 2014 – New York City, New York



# PERFORMING ARTS DEPARTMENT

Dr. Melissa Gustafson-Hinds, Department Chairperson

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## MIXED CHORALE

Full Year 1/2 credit per semester  
*Open to sophomores, juniors, and seniors.*  
*Prerequisite: Audition*

This is a full-year course focusing on advanced vocal technique, intermediate music theory, and good musicianship through the performance of a wide variety of musical styles. This course includes a moderate amount of singing in foreign languages and intermediate sight-reading. Voicings range from SSA to SSAATTBB. Rehearsal and performance times scheduled outside of the regular school day are mandatory for all enrolled students. During the school year, students will be participating in the following mandatory performances and contests: Feeder School Concert, Fall Concert, Winter Concert, IHSA Organizational Contest, Spring Concert, Finale Concert.

Optional opportunities for additional participation will include:

- Extra-Curricular Choirs
- Madrigal Dinner Concert
- IHSA Solo & Ensemble Contest
- Spring Musical
- ILMEA Auditions/Festivals and All-State Choirs
- Festival Trips (destination to be determined)
- Field Trips

Enrollment in the choir program offers a variety of performances and travel opportunities. Previous trips include:

- 2024 – Nashville, TN
- 2018 – New York City, New York
- 2016 – Disney Land, Los Angeles, CA
- 2014 – New York City, New York

## CONCERT CHOIR

Full Year 1/2 credit per semester  
*Open to sophomores, juniors, and seniors*  
*Prerequisite: None*

This is a full-year course focusing on vocal technique, intermediate theory, and good musicianship through the performance of a wide variety of musical styles. This course includes a moderate amount of singing in foreign languages and intermediate sight-reading. Begins with SATB voicing. Rehearsal and performance times scheduled outside of the regular school day are mandatory for all enrolled students.

During the school year, students will be participating in the following performances and contests:

- Feeder School Concert
- Fall Concert
- Winter Concert
- IHSA Solo/Ensemble Contests

IHSA Organizational Contest  
Spring Concert  
Spring Pops / Finale Concert

Optional opportunities for additional participation will include:

- Extra-Curricular Choirs
- Madrigal Dinner Concert
- Spring Musical
- ILMEA Auditions/Festivals and All-State Choirs
- Tri-M Music Honor Society
- Festival Trips (destination to be determined)

Enrollment in the choir program offers a variety of performances and travel opportunities. Previous trips include:

- 2018 – New York City, New York
- 2016 – Disney Land, Los Angeles
- 2014 – New York City, New York

## FRESHMAN CHOIR

Full Year 1/2 credit per semester  
*Open to all freshmen*  
*Prerequisite: None*

This is a full-year academic course focusing on building musicianship and vocal technique through the performance of a wide variety of musical styles. Voicing range from SAB to SSATB. In addition to performance expectations, this course includes introductory sight-reading, ear training, and music theory. Rehearsal and performance times scheduled outside of the regular school day are mandatory for all enrolled students.

During the school year, students will be participating in the following performances and contests:

- Feeder School Concert
- Fall Concert
- Winter Concert
- IHSA Organizational Contest
- Spring Concert
- Spring Pops /Finale Concert

Optional opportunities for additional participation will include:

- A Cappella Choir
- IHSA Solo/Ensemble Contests
- Madrigal Dinner Concert
- Spring Musical
- Festival Trips (destination to be determined)

Enrollment in the choir program offers a variety of performances and travel opportunities. Previous trips include:

- 2018 – New York City, New York
- 2016 – Disney Land, Los Angeles
- 2014 – New York City, New York

# PERFORMING ARTS DEPARTMENT

Dr. Melissa Gustafson-Hinds, Department Chairperson

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## FRESHMAN CONCERT BAND

1 Semester (Spring) 1/2 credit

*Open to all freshmen*

*Prerequisite: Instrumental performance experience, fall Concert Band or Marching Band enrollment in the current year*

This course is offered in the spring. Freshmen band students must enroll in Freshmen Concert Band. All colorguard members who are incoming band members are required to enroll in Concert Band in the spring. Performances include four spring semester concerts as well as participation in the Illinois High School Association Organization contest. Students may elect to participate in the Illinois High School Association Solo and Ensemble contest (March). Membership in the program allows for a variety of performance experiences and travel opportunities.

All members will be required to pass Music Requirements each quarter and must participate in playing exams. First chair members are required to participate in IHSA Solo and Ensemble Contests, and all members are encouraged to study privately.

## MARCHING BAND/COLOR GUARD

1 Semester (Fall) 1/2 credit

*Open to all levels*

*Prerequisite: Must participate in summer parade, and field band activities, and band camp.*

Practices and parade appearances are scheduled throughout the summer. In the fall, the members perform at all home football games in addition to MANY show and parade competitions. This course is offered during the fall only. Travel opportunities for members have included:

- 2021/2022 – Tournament of Roses Parade – Pasadena, CA
- 2018 – Hollywood Parade, CA
- 2017 – Orange Bowl Parade – Miami, Florida
- 2015/2016 – Rose Parade – Pasadena, CA
- 2014 – New York City, New York
- 2011 – Honolulu, Hawaii
- 2010 – Festival Disney – Orlando, Florida
- 2008 – Fiesta Bowl – Tempe, Arizona
- 2007 – Liberty Bowl – Memphis, Tennessee
- 2005 – Fiesta Bowl Parade – Tempe, Arizona
- 2003 – Boscov’s Thanksgiving Day Parade - Philadelphia, Pennsylvania
- 2001 – Orange Bowl Parade – Miami, Florida
- 1999 – Macy’s Thanksgiving Day Parade – New York, New York
- 1998 – Boscov’s Thanksgiving Day Parade –

Philadelphia, Pennsylvania

## MARCHING BAND/COLOR GUARD

**(CONTINUED...)**

1997 – Tournament of Roses Parade – Pasadena, CA

All rehearsals and performances, both during class and outside of the school day, are mandatory. All members are required to pass Music Requirements each quarter and must pass drill and playing exams. Attendance at all performances is required and evaluated as part of the course grade. Members are highly encouraged to study privately and participate in ILMEA activities. All marching band students must be enrolled in Freshman Concert Band, Symphonic Band, Symphonic Winds, or Wind Ensemble during the spring semester. All colorguard members that are instrumentalists must also be enrolled in a spring concert band.

## SYMPHONIC BAND

1 Semester (Spring) 1/2 credit

*Open to all sophomores, juniors and seniors*

*Prerequisite: Instrumental performance experience, fall Concert Band or Marching Band enrollment in the current year*

This course is offered during the spring semester. Band students either enroll for a semester of Concert Winds (Smiley Campus) if they are not enrolled in Marching Band in the fall semester. All colorguard members who are band members are required to enroll in Symphonic Band or have previously auditioned for Wind Ensemble placements. Performances include four spring semester concerts as well as participation in the Illinois High School Association Organization contest. Students may audition for the Illinois Music Educators Association District Festival (October) and elect to participate in the Illinois High School Association Solo and Ensemble contest (March). Membership in the program allows for a variety of performance experiences and travel opportunities.

All members will be required to pass Music Requirements each quarter and must participate in playing exams. First chair members are required to participate in IHSA Solo and Ensemble Contests, and all members are encouraged to study privately and participate in ILMEA activities.

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## **SYMPHONIC WINDS**

1 Semester (Spring) 1/2 credit

*Open to all sophomores, juniors and seniors*

*Prerequisite: Instrumental performance experience, fall Concert Band or Marching Band enrollment in the current year, along with an audition.*

This course is offered during the spring semester. Band students either enroll for a semester of Concert Winds (Smiley Campus) if they are not enrolled in Marching Band in the fall semester. Performances include four spring semester concerts as well as participation in the Illinois High School Association Organization contest. Students may audition for the Illinois Music Educators Association District Festival (October) and are required to participate in the Illinois High School Association Solo and Ensemble contest (March). Membership in the program allows for a variety of performance experiences and travel opportunities.

All members will be required to pass Music Requirements each quarter and must participate in playing exams. First chair members are required to participate in IHSA Solo and Ensemble Contests, and all members are encouraged to study privately and participate in ILMEA activities.

## **HONORS WIND ENSEMBLE**

1 Semester (Spring) 1/2 credit

*Open to all levels*

*Prerequisite: Blind audition (December of the previous school year) and participation in Marching Band*

This course is offered during the spring semester only. Students wishing to participate in Wind Ensemble must register for Marching Band in the fall and must pass a qualifying audition.

Performances include four spring semester concerts as well as participation in the Illinois High School Association Organization contest, Illinois State Concert Band Festival, and Superstate Festival. Students are required to audition for the Illinois Music Educators Association District Festival (October) and participate in the Illinois High School Association Solo and Ensemble contest (March). Membership in the program allows for a variety of performance experiences and travel opportunities.

All members will be required to pass Music Requirements each quarter and must participate in playing exams. All members are required to study privately and participate in ILMEA and IHSA activities. Students will be assigned additional projects and given a variety of performance opportunities to fulfill the Honors credit.

## **DUAL-CAMPUS CONCERT WINDS**

1 Semester (Fall) 1/2 credit

*Open to all freshmen, sophomore, junior and senior musicians who do not participate in Marching Band*

*Prerequisite: Instrumental performance experience*

This course is designed for all wind players in the OTHS Band program who do not plan to participate in Marching Band. Concert Winds is offered during the fall semester. Performance techniques and a variety of wind repertoire will be studied. In addition, the fall band ensemble will participate in two fall concerts and school music events throughout the semester.

All members will be required to pass Music Requirements each quarter and pass playing exams. Attendance at all performances is mandatory, and members are strongly encouraged to study privately and participate in ILMEA activities.

## **BEGINNING GUITAR/MUSIC APPRECIATION**

1 Semester (Fall) 1/2 credit

*Open to sophomores, juniors and seniors*

*Prerequisite: None*

This course is open to sophomores, juniors, and seniors. The course will provide positive Music Appreciation experience through the development of beginning guitar performance skills. This course will provide a comprehensive study in notation of natural notes in first position, reading simple rhythms, straight right hand strumming techniques, tuning, music symbols, simple music forms, and reading from a lead sheet or score. This approach will allow students with little to no previous musical experience to experience music in its purest environment.

## **AP<sup>®</sup> MUSIC THEORY**

1 Semester (Fall) 1/2 credit

*Open to sophomores, juniors and seniors*

*Prerequisite: Concurrent registration in Band or Choir, and instructor approval*

AP<sup>®</sup> Music Theory is open to students in grades 10 to 12 who are concurrently enrolled in Band or Choir. The course meets during the fall semester and earns academic credit. The course content includes fundamental concepts, which constitute the traditional basis of music theory, beginning with sound production and ending with part writing, analysis and form, and music history. In addition, the student is introduced to the techniques involved in the process of taking melodic and rhythmic dictations, as well as a large variety of additional exercises to improve the individual's aural skills. All of the knowledge gained and

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skills developed are related to the outcomes listed in the Illinois Learning Standards.

## **AP® MUSIC THEORY (CONT...)**

In accordance with the materials produced by the College Board, the advanced content for this course will be presented in a sequential manner. Sample AP® questions are presented throughout the course, including sight-singing exercise. In addition, the AP® term list provided as a reference will be used to make sure that all major concepts are covered throughout the term of this course.

## **JAZZ BAND**

1 Semester – Early Bird (Spring)

1/2 credit

*Open to sophomores, juniors and seniors*

*Prerequisite: Concurrent registration in Band or Choir, and instructor approval*

This course will provide advanced instruction in jazz related rhythms, tone, style, concepts, scales (chords), listening skills, and improvisation. Emphasis is on ensemble skills, style development, and sight reading. Various workbooks, videos and audio recordings would be utilized to create a formal study of jazz appreciation and listening skills. In addition, this course is designed to develop confidence in independent playing and the art of improvisation. There would be study of scales, chords, and combo playing. Performances include 2-3 concerts, including a variety of festival (contest) opportunities.

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## VOCAL JAZZ

1 Semester – Early Bird (Fall) 1/2 credit

*Open to sophomores, juniors, and seniors*

*Prerequisite: Concurrent registration in Band or Choir, and instructor approval*

This is a semester long course focusing on jazz vocal technique (tone, placement) & style, improvisation, mic technique, and good musicianship through performance. Repertoire includes but is not limited to swing, Latin jazz, bossa nova, and contemporary styles. This course includes foreign language singing, intermediate to advanced theory, and advanced sight-reading & rhythmic fluency. Voicings may range from SSAA to SSAATTBB, depending on enrollment. Rehearsal and performance times scheduled outside of the regular school day are mandatory for all enrolled students. The prerequisite for this course is completion of successful audition which evaluates rhythmic and melodic fluency, tonal skills, and improvisation.

Required events are as follows:

During the semester, students will be participating in the following mandatory performances:

- Community Outreach Performances
- ILMEA Vocal Jazz District Festival (audition)
- Feeder Concerts
- Fall Concert
- Winter Concert

Opportunities for participation will include:

- Extra-Curricular Choirs
- February Frolics
- ILMEA All State Festival
- Spring Musical
- Festival Trips

# PHYSICAL EDUCATION DEPARTMENT

Aaron Lands, Department Chairperson

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## PHYSICAL EDUCATION DEPARTMENT

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### PHYSICAL EDUCATION

1 Semester 1/2 credit per semester

*Open to all levels*

*Prerequisite: None*

#### Core Courses

- Freshman Physical Education – Includes six (6) freshman-specific activities.
- Sophomore/ Junior/ Senior Physical Education- Includes six (6) upperclassmen- specific activities.

As an outgrowth of physical well-being, all activities in life are determined. Our aims are compatible with those of general education, providing experience through a variety of physical activities that place students in situations which offer physical, mental, social and emotional involvement. Students' reactions to those situations are directed toward socially acceptable standards for a richer and more complete adult life. Courses range from requirements to individual selections.

The following is a list of activities used to accomplish the goals projected for the next four years. *Except where otherwise indicated, all the activities are offered to both boys and girls.*

Team Sports – Soccer, Speed-a-way, Field Hockey, Basketball, Power Volleyball, Softball, Flag Football

Individual Activities – Archery, Golf, Tennis, Self Defense, Track and Field, Bowling, Badminton, Weightlifting, Wrestling

Intramurals – Archery, Swimming, Tennis, Basketball, Bowling, Ping Pong, Softball, Badminton, Volleyball, \*Flag Football (boys only)

Recreation – Table Tennis, Horseshoes, Croquet, Recreational Games

Dance/Rhythm – Square Dance, Lummi Sticks, Tinikiling, Rope Jumping

### ADAPTIVE PHYSICAL EDUCATION

*Open to all levels*

1/2 credit

*Prerequisite: Department Chair consent*

This class is physical education for students who may have chronic diseases, physical disabilities, and verbal or mental impairments. Emphasizes the benefits of fitness, recreation, and rehabilitation.

### ELECTIVE COURSES

#### Total Body Fitness

1 Semester 1/2 credit per semester

*Open to sophomore, junior, and senior females*

*Prerequisite: Completion of freshman Physical Education or Health Education*

This is a semester course offered to female students in grades 10, 11, & 12. Total Body Fitness is intended for the student who is sincerely interested in improving or maintaining her overall fitness level. The class includes physical workouts in cardio, muscular strength and endurance, flexibility, and balance, along with instruction on basic fitness concepts. A variety of physical workouts are offered in order to help the student achieve fitness goals. This training includes aerobics, steps, cardio-walking, circuit/station training, weights, and plyometric. Students will be able to develop personalized fitness programs and achieve their goals by applying the Principles of Progression, Overload, Frequency, Intensity, and Time.

#### SPORTS P.E.

1 Semester 1/2 credit per semester

*Open to sophomores, juniors and seniors currently involved with an athletic program at OTHS*

*Prerequisite: Recommendation of Varsity coach (must be participating in IHSA-sanctioned sport) and Sports PE teacher consent.*

Sports P.E. is physical education designed to enhance the physical production of our students participating in IHSA interscholastic activities. The course consists of physical strength training broken down into three phases and plyometric circuit training to enhance the athletes' speed, agility, and reduce the risk of injury. A variety of other topics related to athletics are covered, including aerobic vs anaerobic conditioning, body mass index, body fat percentage, nutritional values of an athlete, and the pros and cons of nutritional supplements.

# PHYSICAL EDUCATION DEPARTMENT

Aaron Lands, Department Chairperson

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## PHYSICAL EDUCATION INDIVIDUALIZED INSTRUCTION

1 Semester 1/2 credit per semester

*Open to sophomores, juniors and seniors*

*Prerequisite: Completion of freshman PE and Department Chair Consent*

This is a one semester course designed to provide peer mentoring opportunities working with Adaptive Physical Education students to prepare them for participation in Special Olympics. Students, under the supervision of Adaptive Physical Education instructors, will teach the objectives and rules of the activity, assist students with learning collaboration and teamwork, analyze team strategy, demonstrate sportsmanship, and ensure a safe environment. Students will be expected to participate in drills and scrimmages, design practices, and document their experiences through reflection assignments. The course will assist OTHS in meeting their requirements to become a Special Olympics Unified Champion School. Students may enroll in multiple semesters.

## INTER-SCHOLASTIC ATHLETICS

*Open to any OTHS student who has passed four (4) or more academic classes the previous semester*

*Prerequisite: None*

Fall – Boys' Cross Country, Football, Soccer, and Golf; Girls' Tennis, Volleyball, Cross Country and Golf

Winter – Boys' Basketball and Wrestling; Girls' Basketball and Wrestling

Spring – Boys' Track, Tennis, and Baseball; Girls' Track, Softball and Soccer

The girls' program also includes Cheerleading and Dance Team squads.

## SCIENCE DEPARTMENT

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The O'Fallon Township High School science curriculum offers a variety of courses designed to meet the needs of all students. Students are required to complete two years of science by the end of their junior year. The two required years of science must include one Life science course and one Physical Science course. After meeting this requirement, students are encouraged to take additional science courses.

Many OTHS science courses have prerequisites. Consult the course descriptions for prerequisites and descriptions for all science courses.

### FIRST-YEAR SCIENCE COURSES

Life Science Courses: Biology 1, Honors Biology 1

Physical Science Courses: Physical/Earth Science

### SECOND-YEAR SCIENCE COURSES

Life Science Courses: Biology 1, Integrated Life Science

Physical Science Courses: Physical/Earth Science, Geology 1, Chemistry 1, Honors Chemistry 1, Physics 1

### ADDITIONAL SCIENCE COURSES

(These courses may be taken after meeting the two-year science requirement, assuming other prerequisites are met.)

#### **Life Science Courses:**

Biology 1  
Integrated Life Science  
Environmental Science  
Honors Human Anatomy & Physiology  
AP® Biology

#### **Physical Science Courses:**

Introduction to Astronomy (1 semester only)  
Forensics (1 semester only)  
Physical/Earth Science  
Geology  
Chemistry 1  
Honors Chemistry 1  
Chemistry 2  
AP® Chemistry  
Physics 1  
Physics 2  
AP® Physics 1  
AP® Physics 2



## PHYSICAL SCIENCE COURSE OFFERINGS

### PHYSICAL/EARTH SCIENCE

**NCAA**

Full Year (Physical) 1/2 credit per semester

*Open to all levels*

**General**

*Prerequisite: None*

Physical/Earth Science is a course designed to give introductory students an understanding of basic Physical Science concepts. The topics of motion, energy and matter will be taught and reinforced by analyzing the interaction of these concepts with Earth Science. The Earth Science concepts of planetary systems, weather and physical processes will be related to current events and information along with the relationship humans have with the environment. Lab work will be inquiry based and used to reinforce the concepts presented in class. This framework will create a comprehensive understanding of and appreciation for the physical workings of the Earth.

### GEOLOGY 1

**NCAA**

Full Year (Physical) 1/2 credit per semester

*Open to sophomores, juniors and seniors*

**General**

*Prerequisite: Successful completion of a first-year life science course*

Geology 1 is designed for average science students who have an interest in the earth and earth processes. The course will focus on four general areas of study: Earth Materials, Interpretation of the Earth's Surface, Physical Geology, and Earth's History. The course has been designed to be a hands-on, activity-centered course with the teacher supplying background information. During the course, the students will use various techniques (specimen study, maps, in-class activities, etc.) to reinforce information about geologic principles.

### INTRODUCTION TO ASTRONOMY

**NCAA**

1 Semester

1/2 credit

*Open to juniors and seniors*

**General**

*Prerequisite: Successful completion of the two-year Science graduation requirement.*

This course surveys in one semester the history of astronomy, the nature of planetary systems (particularly our own Solar System), as well as the nature and evolution of stars, galaxies, and the Universe. Big ideas/concepts covered in this course include:

- *Why does the Moon have phases?*
- *Why does the Earth have seasons?*
- *Why did ancient people believe the Earth is not moving?*

- *Why are there different kinds of planets in our Solar System?*
- *How do stars shine?*
- *How do stars evolve and die?*
- *What are black holes?*
- *How do we know our Universe is expanding?*
- *Why is the sky dark at night?*
- *What is the nature of "dark matter" and "dark energy"?*
- *Is there life elsewhere in the Universe?*

### FORENSICS

**NCAA**

1 Semester

1/2 credit

*Open to juniors and seniors*

**General**

*Prerequisite: Successful completion of the two-year Science graduation requirement.*

This course surveys in one semester the science of crime scene forensics. Concepts in biological sciences and physical sciences will be integrated into the study of Forensic Science. Big ideas/concepts covered in this course include:

- *Introduction – history, evidence, crime scenes, etc.*
- *Fingerprints*
- *Hairs and Fibers*
- *Questioned Docs*
- *Blood and DNA*
- *Processing Crime Scenes*

### CHEMISTRY 1

**NCAA**

Full Year (Physical)

1/2 credit per semester

*Open to sophomores, juniors and seniors*

**General**

*Prerequisite: Successful completion of a first-year life science course AND completion of Advanced Algebra 1 with a grade of "C" or better, Accelerated Algebra 1 with a grade of "C" or better, or Honors Algebra 1 with a grade of "C" or better*

Chemistry 1 is a one-year course dealing with the study of matter, its forms, and changes. It is a highly-recommended college preparatory course. The

Chemistry 1 curriculum is structured to enhance students' problem-solving skills. Areas covered include matter, atomic structures, equations, mass relationships, gas laws, solution chemistry and qualitative analysis. A significant amount of class time will be spent performing laboratory activities designed to reinforce these concepts. These activities are also designed to improve critical thinking and science reasoning skills. A strong mathematics background is critical to student success in this course.

**HONORS CHEMISTRY 1****NCAA**

Full Year (Physical) 1/2 credit per semester

*Open to sophomores, juniors and seniors* **Honors***Prerequisite: Successful completion of a first-year life science course AND Honors Algebra 1 or Honors Geometry with a grade of "B" or better*

Honors Chemistry 1 is a first-year chemistry course designed to prepare students who plan on taking AP Chemistry. Honors Chemistry 1 encompasses all areas of study and laboratory work as Chemistry 1, but with a much more accelerated level of difficulty and pace. Expanded areas of study including acid-base equilibria and gas laws require the student to have a much greater depth in problem solving ability and higher mathematical skills. Additional areas covered include introduction to nuclear chemistry, organic chemistry, and reaction kinetics.

**CHEMISTRY 2****NCAA**

Full Year (Physical) 1/2 credit per semester

*Open to juniors and seniors* **Enriched***Prerequisite: Completion of Chemistry 1 with a grade of "C" or better OR Chemistry 1 teacher consent*

Chemistry 2 is designed for students who have successfully completed Chemistry 1. It is a continuation of Chemistry 1 with an emphasis on the following concepts: solution chemistry, chemical kinetics, chemical equilibrium, acid base chemistry, gas laws, nuclear chemistry, thermochemistry, organic chemistry, and qualitative analysis. Active learning strategies will be employed throughout the course. Inquiry-based laboratory activities will reinforce all topics covered. Students will be introduced to APA-formatting for research papers. Practical applications of chemistry will be discussed in relationship to careers in chemistry and other relevant topics.

**AP<sup>®</sup> CHEMISTRY****NCAA**

Full Year (Physical) 1/2 credit per semester

**SLU Dual Credit Course***Open to juniors and seniors* **Honors***Prerequisite: Completion of Honors Chemistry 1 with a grade of "B" or better OR Chemistry 1 with a grade of "A" and Chemistry 1 teacher consent*

AP<sup>®</sup> Chemistry is designed to be the equivalent of the general chemistry course usually taken during the first year of college. For most students, the course enables them to undertake, as a freshman, second year work in the chemistry sequence at their institution or to register in courses in other fields where general chemistry is a prerequisite. The course is structured around the six big ideas articulated in the AP<sup>®</sup> Chemistry curriculum framework provided by the College Board. They are:

Big Idea 1: Structure of matter

Big Idea 2: Properties of matter—characteristics, states, and forces of attraction

Big Idea 3: Chemical reactions

Big Idea 4: Rates of chemical reactions

Big Idea 5: Thermodynamics

Big Idea 6: Equilibrium

Special emphasis will be placed on the seven science practices, which capture important aspects of the work scientists engage in, with learning objectives that combine content with inquiry and reasoning skills. AP<sup>®</sup> Chemistry is open to all students that have completed a year of chemistry who wish to take part in a rigorous and academically challenging course.

**PHYSICS 1****NCAA**

Full Year (Physical) 1/2 credit per semester

*Open to sophomores, juniors and seniors* **Enriched***Prerequisite: Completion of or concurrent enrollment in Advanced Algebra 2 or Honors Algebra 2 AND successful completion of a first-year life science course*

Physics 1 is a two-semester course exploring the workings of the physical universe. Physics 1 is a highly beneficial college preparatory course. This course is designed to prepare students who will be taking physics in college. However, due to the incorporation of higher-level thinking skills, physics will be a benefit to any student planning to attend college. Topics covered include vectors, motion, mechanics, thermodynamics, electrostatics, electric circuits, and magnetism. Labs and projects constitute a significant portion of the class. Students will be introduced to a variety of scientific equipment and tools. Successful completion of the first semester is required to continue to the second semester.

**AP<sup>®</sup> PHYSICS 1****NCAA**

Full Year (Physical) 1/2 credit per semester

**SLU Dual Credit Course***Open to juniors and seniors* **Honors***Prerequisite: Completion of or concurrent enrollment in Advanced Pre-Calculus with Trigonometry or Honors Pre-Calculus OR concurrent enrollment in Honors Algebra 2 AND physics instructor consent*

AP<sup>®</sup> Physics 1 is a two-semester introductory college-level physics course in which students will explore science practices as they cultivate an enduring understanding of physics and the fundamental physical universe. This course is designed for students with a strong math background and an interest in pursuing a career in a science, engineering, or technology field. Topics covered include Kinematics, dynamics: Newton's Laws, circular motion and gravitation, Simple harmonic motion, impulse and momentum, work and energy, thermal physics, electrostatics, DC Circuits, and mechanical waves/sound. Inquiry based labs and projects will constitute a significant

portion of the class. Through inquiry-based learning, students will develop critical thinking and reasoning skills, as defined by the AP® Science Practices.

## **PHYSICS 2**

**NCAA**

Full-Year (Physical) 1/2 credit per semester

*Open to juniors and seniors* **Enriched**

*Prerequisite: Completion of AP® Physics 1 or Physics 1 with a grade of "C" or better*

Physics 2 is a two-semester course that continues the course of study began in Physics 1. It is a highly beneficial college preparatory course and is designed for the student with an interest in math, engineering and the physical sciences. Topics include: engineering statics, fluids, harmonic motion, waves, sound and music, gravitation and astronomy, optics, mechanics, thermodynamics, electrostatics, nuclear physics, and solid-state electronics. Labs and projects constitute a significant portion of the class. Students will be introduced to a variety of scientific equipment and tools.

## **AP® PHYSICS 2**

**NCAA**

Full Year (Physical) 1/2 credit per semester

*Open to juniors and seniors* **Honors**

*Prerequisite: Completion of AP® Physics 1 OR Physics 1 with a grade of "A" and Physics instructor consent.*

AP® Physics 2 is a two semester introductory college-level physics course which continues the course of study began in AP® Physics 1. Students will develop analytical and reasoning skills which to support future advanced coursework in the sciences. This course is designed for students with a strong math background and an interest in pursuing a career in a science, engineering, or technology field. Topics covered include: Thermodynamics, Fluid statics and dynamics, Electrostatics: electric force, electric field and electric potential, DC Circuits and RC Circuits, Magnetism and Induction, Geometric and physical optics, and Quantum physics: atomic and nuclear physics. Inquiry based labs and projects will constitute a significant portion of the class. Through inquiry based learning, students will develop critical thinking and reasoning skills, as defined by the AP® Science Practices.

**LIFE SCIENCE COURSE OFFERINGS**

**BIOLOGY 1**

**NCAA**

Full Year (Life) 1/2 credit per semester  
*Open to all levels* **General**  
*Prerequisite: Completion of or enrollment in a math course above Introduction to Algebra*

Biology 1 is designed to provide students with introductory knowledge of fundamental biological principles and a general understanding of life. The natural progression from cells to simple organisms, to more complex organisms, and ultimately to man will be explored. Students will learn about the interrelationships of living things and their environmental adaptations. Students will also gain understanding of the significance and importance of biological concepts to human welfare. Students will complete laboratory exercises that reinforce the lecture material and stimulate their interests in biology and other sciences. Dissections are an integral and required component of this course.

**HONORS BIOLOGY 1**

**NCAA**

Full Year (Life) 1/2 credit per semester  
*Open to freshmen* **Honors**  
*Prerequisite: Invitation only based on IOWA or IAR science assessment and teacher recommendation AND concurrent enrollment in Honors Algebra 1*

Honors Biology I is designed to provide advanced students with a thorough understanding of biological principles and a comprehensive understanding of life. The course will cover a range of topics, including cellular structure and genetics, plant and animal classifications, microbiology, ecology, biochemistry, vertebrate and invertebrate anatomy, and plant structure and function. This course utilizes discussion, laboratory exercises, and hands-on activities all designed to stimulate interest and appreciation for biology and its importance to man.

**AP® BIOLOGY**

**NCAA**

Full Year (Life) 1/2 credit per semester  
**SLU Dual Credit Course**  
*Open to juniors and seniors* **Honors**  
*Prerequisite: Completion of Chemistry 1 with a grade of "C" or better OR Honors Chemistry 1 with a grade of "C" or better AND Honors Biology 1 with a grade of "B" or better or Biology 1 with a grade of "A"*

AP® Biology is a two semester introductory college-level biology course for the above average student. The course is designed to allow students to cultivate their understanding of biology through a variety of means including direct instruction, case studies, and inquiry-based laboratory investigations. Topics covered include evolution, ecology, cellular processes — energy and communication, genetics, information transfer, and

systems interactions. Students will develop the ability to ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress. Focus is placed on reading technical literature, scientific writing, improving study skills, and development of critical thinking.

The course provides the necessary background for success on the Advanced Placement Biology Examination and SAT science subject area test.

**HONORS HUMAN ANATOMY & PHYSIOLOGY**

**NCAA**

Full Year (Life) 1/2 credit per semester  
**SWIC Dual Credit Course**  
*Open to juniors and seniors* **Enriched**  
*Prerequisite: Completion of Honors Biology 1 with a grade of "C" or better OR Biology 1 with a grade of "B" or better OR Biology 1 teacher recommendation*

Human Anatomy & Physiology is an intensive college-preparatory course for the ambitious student interested in the medical sciences. This course will provide the average to above-average student with the vocabulary, understanding of human body functions, and critical thinking skills required in human anatomy & physiology. The laboratory work and case studies involving collaboration are designed to encourage problem solving and to reinforce the concepts presented in class. This one-year course moves through the human body system by system, focusing on both normal and abnormal functioning.

**INTEGRATED LIFE SCIENCE**

**NCAA**

Full Year (Life) 1/2 credit per semester  
*Open to sophomores, juniors and seniors. Students who have successfully completed Honors Human Anatomy & Physiology are not eligible for this course.*  
*Prerequisite: None* **General**

Integrated Life Science is a hands-on, laboratory-based course designed to explore the fundamental principles of the life sciences. It is designed for students seeking a life science course with less in-depth analysis of topics than Biology 1. Students will develop an understanding of the basic life science topics, including cellular structure and function, genetics, and classification. In addition, the course will explore and integrate the more broad-based topics in the life sciences, including human anatomy/physiology and health, marine biology, animal behavior, and ecology. Integrated Life Science students will also continue to develop critical thinking and

# SCIENCE DEPARTMENT

Candace Caveny, Department Chairperson

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laboratory skills necessary for success in future science courses as well as in college coursework.

## ENVIRONMENTAL SCIENCE

**NCAA**

Full Year (Life) 1/2 credit per semester

*Open to juniors and seniors*

*Prerequisite: Successful completion of a first-year physical science course AND successful completion of a first-year math class.*

**General**

Environmental Science is designed to introduce the student to the interrelationship of man and his natural environment. The course provides the student with a background study of Ecology, renewable vs. nonrenewable resources, biomes, field ecology, environmental issues, and interactions between living and non-living units of ecosystems. Calculation, evaluation, and use of basic statistics, and proper use of the scientific method are emphasized throughout the course. Semester one topics include man's environmental historical impacts, making and evaluating environmental decisions, plate tectonics, global warming, water cycle, evolution by natural selection, biodiversity, mineral cycling, energy transfer and food webs, succession, and land biomes. Semester two topics include aquatic biomes, population ecology, human population trends, maintaining biodiversity/extinction trends, water management/ pollution, air pollution, ozone depletion, land use/land management, sustainable agriculture, mining and nonrenewable resources, renewable resources as alternatives, landfill and hazardous waste, human health concerns and biohazards, and environmental politics.

## LAB ASSISTANT AND INDIVIDUALIZED INSTRUCTION

### SCIENCE LABORATORY ASSISTANT

1 Semester 1/4 credit per semester

*Open to juniors and seniors* 2 Semester Limit

*Prerequisite: Successful completion of advanced-level course works in the field of science in which the student will assist AND written consent from the instructor who they will assist*

No more than two laboratory assistants will be assigned to any science teacher during a given period. Student laboratory assistants will be required to aid the teacher in preparation for instruction in the classroom and to assist the teacher in the preparation, organization, maintenance, distribution, and storage of laboratory materials and equipment.

*Note: In order for a student to be a Lab Assistant, it must be their sixth class.*

### INDEPENDENT RESEARCH STUDY

1 Semester

**NCAA**

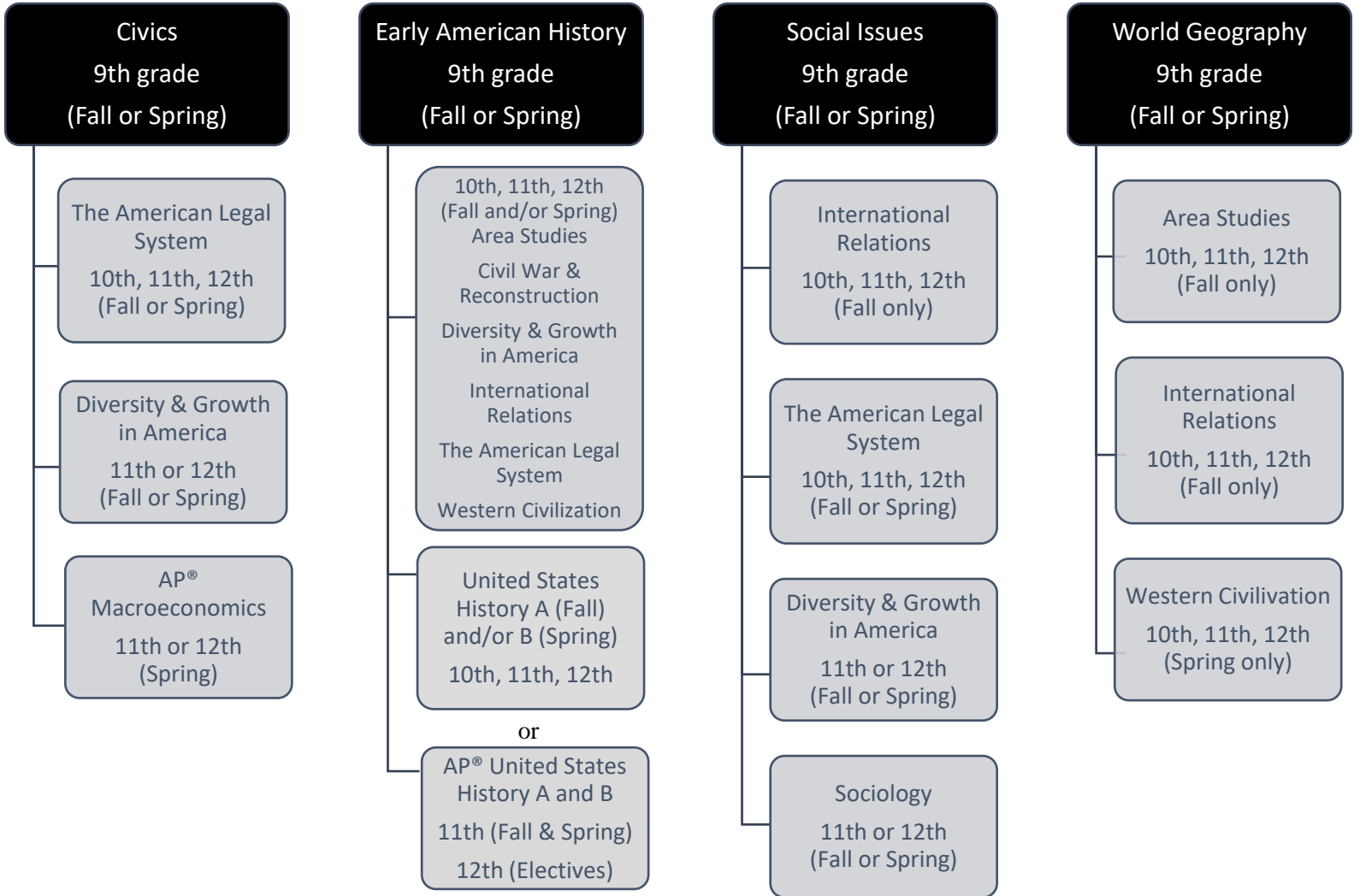
1/2 credit per semester

*Open to juniors and seniors* 2 Semester Limit

*Prerequisite: Completion of advanced-level course work in the field of science in which the student will work AND written consent from the instructor who will oversee the work and assign a grade*

No more than one individualized instruction student will be assigned to any science instructor during a given semester. Students will be required to select a topic for scientific study and research. Laboratory work **MUST** be a component of the study. The assigned science instructor must approve the topic and project for research during the first four weeks of the semester. A written contract, specifying work to be completed and criteria for grading, report to the instructor summarizing conclusions reached through their research. After grading, a copy of this report will be placed on file with the department chairperson and will be available for perusal by any member of the science department

**SOCIAL STUDIES DEPARTMENT  
COURSE SEQUENCE RECOMMENDATIONS**



**12th Grade Courses**

AP® Macroeconomics	International Relations
AP® Psychology	Psychology
AP® U.S. History A and/or B	Sociology
American Civil War & Reconstruction	The American Legal System
American Government	The Sixties in America
Area Studies	United States History A and B
Diversity & Growth in America	Western Civilization

## SOCIAL STUDIES DEPARTMENT

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### **Graduation requirements for social studies:**

Five semesters of social studies are required for all students including either one semester of **Civics** at the freshman year **or** one semester of **American Government** during the sophomore, junior, or senior year and two semesters of **United States History** during the sophomore, junior or senior years.

**\* Students who have already completed one semester of Area Studies or Western Civilization may enroll again in these courses in subsequent years and receive separate credit as different content is studied in a three-year rotation.**

### **Freshman Level**

Civics  
Early American History  
Social Issues  
World Geography

### **Sophomore Level**

American Civil War & Reconstruction- A Nation Divided  
American Government  
Area Studies\*  
International Relations  
The American Legal System  
United States History A and B  
Western Civilization\*

### **Junior Level**

United States History A and B  
AP<sup>®</sup> United States History A and B  
AP<sup>®</sup> Macroeconomics  
American Civil War & Reconstruction- A Nation Divided  
Diversity & Growth in America  
American Government  
Area Studies\*  
International Relations  
Sociology  
The American Legal System  
The Sixties in America  
Western Civilization\*

### **Senior Level**

American Civil War & Reconstruction- A Nation Divided  
American Government  
Area Studies\*  
AP<sup>®</sup> Macroeconomics  
AP<sup>®</sup> Psychology  
AP<sup>®</sup> United States History A and/or B  
Diversity & Growth in America  
International Relations  
Psychology  
Sociology  
The American Legal System  
The Sixties in America  
United States History A and B  
Western Civilization\*

# SOCIAL STUDIES DEPARTMENT

David Causey, Department Chairperson

## FRESHMAN COURSE OFFERINGS

### **CIVICS**

1 Semester

*Open to freshmen*

*Prerequisite: None*

**NCAA**  
1/2 credit

Students taking Civics will acquire information and skills designed to promote effective participation in our society. Students will study the power, structure and decision making process of the different levels of government. Emphasis will also be placed upon the rights and freedoms protected by the Constitution as well as the limits and responsibilities associated with them. Through simulations and discussions, students will gain experience in political campaigns, lawmaking and court proceedings. **Either Civics taken as a freshman or American Government taken as a sophomore, junior or senior is required for graduation.**

**To meet graduation requirements, a student must pass this course to demonstrate the required comprehension of the United States Constitution and pass a specific test addressing the Illinois Constitution and Illinois government.**

### **EARLY AMERICAN HISTORY**

1 Semester

*Open to freshmen*

*Prerequisite: None*

**NCAA**  
1/2 credit

In EAH, freshman students will study what made America, America! This exploration into American history begins with the peopling and settling of the Americas and continues through the Civil War into the Reconstruction Era. The struggles and achievements of earlier American generations will be examined as students analyze the founding of America, the beginnings of industrialization, geographic expansion, reform movements, and national division and reunification. Course activities may include projects, maps, simulations, and DBQs as well as quizzes and tests. This course will serve as excellent preparation for the required U.S. History A course or the elective American Civil War & Reconstruction: A Nation Divided course.

### **SOCIAL ISSUES**

1 Semester

*Open to freshmen*

*Prerequisite: None*

**NCAA**  
1/2 credit

The goal of Social Issues is for the student to become aware of the major issues of the day and have an in-depth understanding and appreciation of current events. In this course students will examine the historic, cultural, economic, and geographic factors which have raised issues to a level of concern on a local, national, and global level. Students will engage in research and problem solving to better understand and assess a variety of significant and contemporary issues. To further students' understanding of topics, the course uses a variety of daily news, online media, political cartoons, and newscasts to support class discussions and learning activities. Additionally, students may participate in group activities, presentations, and research projects to better understand the world around them and take informed action.

### **WORLD GEOGRAPHY**

1 Semester

*Open to freshmen*

*Prerequisite: None*

**NCAA**  
1/2 credit

World Geography will cover both physical and human geography concepts of the world. Different geographic themes will be utilized to enhance student understanding of the United States and other regions of the world. This course will create an understanding of the increased globalization of the world that will help students recognize the interdependence of the United States to other world regions and better prepare students for the other academic offerings of the social studies department. Students will learn about world cultures, regions, history, and study maps to learn about landforms, climates, resources, and topography.



# SOCIAL STUDIES DEPARTMENT

David Causey, Department Chairperson

## SOPHOMORE, JUNIOR, SENIOR COURSE OFFERINGS

### AMERICAN CIVIL WAR & RECONSTRUCTION - A NATION DIVIDED

**NCAA**

1 Semester (Fall) 1/2 credit  
*Open to sophomores who successfully earn a grade of "A" in Early American History. Open to juniors who successfully earned a grade of an "A" in Early American History and have successfully completed U.S. History A and B. Open to seniors that have successfully completed U.S. History A and B.*

One of the most divisive and important events in American history, the American Civil War pitted countrymen against countrymen in the new and developing republic of the United States of America. Among the many issues at stake were the role of central government, state's rights, slavery, and the fate of the Union itself, which had borne our fledgling nation through the American Revolutionary war and the War of 1812.

Grim, brutal, and utterly personal, the Civil War claimed more American lives than any other war fought before or since the founding of the United States. No other war contains such philosophical and emotional impact, since the issues and concerns that were on the hearts and minds of the politicians, statesmen, combatants, and ordinary citizens of the late nineteenth century can still be seen in evidence even in modern times.

This course attempts to summarize and present the major events and battles related to the American Civil War in chronological order. In addition, this course will set forth the major political issues and philosophies that set the stage for the Civil War, sustained the conflict, and continue to linger on to this day in the hearts and minds of Americans. Finally, a list of the major figures related to the Civil War will be presented to highlight each notable person's contributions to the struggle itself and to the overall development of our nation.

### AMERICAN GOVERNMENT

**NCAA**

1 Semester 1/2 credit  
*Open to sophomores, juniors and seniors (Priority will be given to seniors who need to meet graduation requirements)*  
*Prerequisite: None*

American Government offers the students the chance to investigate a wide range of government actions, purposes, structures and problems from the international to the local level. The role of government and its effects on the freedom of the individual, and conversely, the duty and extent of the individual's influence on government are emphasized. Students are encouraged to simulate conditions and study problems facing various levels and branches of the United States Constitution and Illinois

Constitution from a basic underlying theme throughout the course. Students will have to be informed of current events and be able to comment on them in class. **This course is required for all students not taking Civics as a freshman.** This course meets the requirements of Illinois Public Law 195 for graduation from a state-supported institution.

**To meet graduation requirements, a student must pass this course to demonstrate the required comprehension of the United States Constitution and pass a specific test addressing the Illinois Constitution and Illinois government.**

### AREA STUDIES

**NCAA**

1 Semester (Fall) 1/2 credit  
*Open to sophomores, juniors and seniors*  
*Prerequisite: None*

**Students who have already completed one semester of Area Studies may elect to enroll in this course again in subsequent years and receive separate credit.**

Specific areas of the world and their inter-relationships to the world are studied.

**2024-2025** Russia – Eurasian States – Eastern Europe

**2025-2026** Latin America – China – Japan

**2026-2027** Middle East – North Africa

A general introduction will highlight the basic characteristics of the world in general today. Emphasis is placed on geography, population, economics, historic origins, and the culture of the specific regions under study. Notebooks are kept, national profiles are developed, biographies reviewed and case studies are evaluated from the different areas.

### AP<sup>®</sup> MACROECONOMICS

**NCAA**

1 Semester (Spring) 1/2 credit  
*Open to juniors and seniors*  
*Prerequisite: Students must have achieved a cumulative GPA of 3.0 or better*

The objective of this course in macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth and international economics. Instruction will rely on applications to test the insight economic theories provide for understanding the context of today's

# SOCIAL STUDIES DEPARTMENT

David Causey, Department Chairperson

economic conditions. This approach to the study of economics goes beyond students only studying the facts and theories in an abstract and disconnected manner. To increase students' appreciation for economics, a variety of teaching and learning methods will be used to create an engaging learning environment for students throughout the course.

The course is designed to prepare students for college level work in this area and the AP<sup>®</sup> Macroeconomics exam administered in May by the College Board for possible college credit. Taking the AP<sup>®</sup> exam requires an extra fee paid to the College Board. However, students are not required to take the exam as a part of the course.

**DIVERSITY & GROWTH IN AMERICA** **NCAA**  
1 Semester 1/2 credit  
*Open to juniors and seniors*  
*Prerequisite: Completion of, and/or, concurrent enrollment in either U.S. History A or B or APUSH<sup>®</sup> A or B.*

Diversity is an unquestioned element of American society. A recurring theme/topic in United States history is how marginalized and disenfranchised groups, as defined by race, gender, religion, culture, and socioeconomic class, struggle through the past and present to overcome the social, political/legal, and economic obstacles standing in the way of a more complete realization of the American ideal of equality. The course topics will be Illinois standards based dedicated primarily to the experiences of the following groups: Asian Americans, Blacks, Hispanics, Native Americans, LGBTQ+, and Women. Both history and contemporary themes will be utilized to view challenges and contributions of these non-majority and/or historically marginalized groups.

**INTERNATIONAL RELATIONS** **NCAA**  
1 Semester (Fall) 1/2 credit  
*Open to sophomores, juniors and seniors*  
*Prerequisite: None*

This course is a must for students that are interested in the world around us. International Relations is a semester study of the current disputes, controversies, problems, and relationships that exist among the nations of the world. Students will examine current concerns, issues, historic influences, and U.S. foreign policy in areas such as Europe, Russia, the Middle East, Latin America, Asia and Africa. In addition, students will study international diplomacy, the structure, function and limitations of the United Nations and worldwide concerns, such as the global environment, that impact all nations and their people.

**PSYCHOLOGY** **NCAA**  
1 Semester 1/2 credit  
**SWIC Dual Credit Course**

*Open to seniors*  
*Prerequisite: None*

Psychology is a semester course open to seniors. It introduces students to a scientific understanding of human behavior. The following topics are explored in both theoretical and practical means: learning, intelligence, development, personality, mental health and social interaction. Experimentation will be implemented whenever possible to apply the theoretic concepts to the individual. Students are encouraged to pursue areas of special interest. For students desiring college credit, students may elect to enroll for three (3) semester hours of college credit through the dual credit program available through Southwestern Illinois College. **Students cannot receive credit for both Psychology and AP<sup>®</sup> Psychology.**

**AP<sup>®</sup> PSYCHOLOGY** **NCAA**  
1 Semester (Spring) 1/2 credit  
**SWIC Dual Credit Course**

*Open to seniors*  
*Prerequisite: Students must have achieved a cumulative GPA of 3.0 or better.*

The AP<sup>®</sup> Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation, and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims, and evidence, and effectively communicate ideas. It is expected students who choose to enroll in this course will be able to analyze and interpret a college-level textbook and communicate, both written and verbally, at a college level.

For students desiring college credit, the course is designed to prepare students for the AP<sup>®</sup> Psychology exam administered in May by the College Board for possible college credit. Taking the AP<sup>®</sup> exam requires an extra fee paid to the College Board. However, students are not required to take the exam as a part of the course. Students may also choose to enroll for three (3) semester hours of college credit through the dual credit program available through Southwestern Illinois College. **Students cannot receive credit for both Psychology and AP<sup>®</sup> Psychology.**

# SOCIAL STUDIES DEPARTMENT

David Causey, Department Chairperson

## SOCIOLOGY

**NCAA**

1 Semester

1/2 credit

*Open to juniors and seniors*

*Prerequisite: None*

Sociology is a one semester course open to juniors and seniors. Initial emphasis is spent defining sociology and exploring the basic perspectives of the discipline. There is an emphasis on culture and society and how they have evolved and changed. These changes can be linked to the theoretic change in the discipline itself. The basic institutions will be explored from both a conflict and functionalism view. Current trends in sociological research will be explored. Group projects and role playing will assist in the understanding of group behavior.

## THE AMERICAN LEGAL SYSTEM

**NCAA**

1 Semester

1/2 credit

*Open to sophomores, juniors and seniors*

*Prerequisite: None*

Students will study constitutional law as well as contemporary issues and concepts related to criminal law, civil law, and the criminal justice process. The course will allow students to study the concepts of power, authority, liberty, and equality found in the supreme law of the land, the U.S. Constitution. The different levels of the court system and their respective roles will also be covered. Emphasis will be placed on the role of the Supreme Court interpreting the U.S. Constitution and the major cases it has decided.

**Note: This course will not replace the United States Constitution requirement required by state law. That requirement can only be fulfilled by taking Civics or American Government.**

## THE SIXTIES IN AMERICA

**NCAA**

1 Semester (Spring)

1/2 credit

*Open to juniors and seniors*

*Prerequisite: Earned a passing grade in United States History B*

This course is an elective course which will explore the political, economic, military, and cultural elements of one of the most turbulent periods of American history. The course will be structured around thematic units which will study in depth the vital areas of the decade's history that over-lap in one defining period. Units will include extensive study, research, and analysis of primary source documents and other relevant materials from the period about the Civil Rights and Black Power movements, Vietnam and its role in the Cold War, the social and political divide between conservatives and liberals in America, the emergence of cultural and social movements (Hippies, feminism, environmentalism, multiculturalism, etc.), and finally the impact of music and writings over the entire decade.

## UNITED STATES HISTORY A AND B

**NCAA**

1 Semester Each

1/2 credit per semester

*Open to sophomores, juniors and seniors*

**Prerequisite:** *Sophomores* – Must have successfully completed at least one social studies course at the ninth grade with a grade of B or greater and have a recommendation(s) from their social studies teacher(s).

*All students must have completed United States History A prior to enrolling in United States History B.*

These are required courses designed as a survey of the history of the United States. United States History A will be a study of late 19<sup>th</sup> century American history through The Great Depression and New Deal (1930's). United States History B will be a study of U.S. History from World War II to contemporary times. The courses will stress the important aspects of the social, political, military, and economic achievements of earlier generations of Americans. Course requirements may include mapwork, tests, quizzes, book reports, projects, and other assignments made by the instructor.

## AP<sup>®</sup> UNITED STATES HISTORY A AND B

**NCAA**

1 Semester Each

1/2 credit per semester

**SWIC Dual Credit Course**

*Open to juniors and seniors*

*Prerequisite: Students must have achieved a cumulative GPA of 3.5 or better. All students choosing to enroll in AP<sup>®</sup> United States History to meet graduation requirements, must have completed AP<sup>®</sup> United States History A prior to enrollment in AP<sup>®</sup> United States History B.*

**Prerequisite for elective credit:** *Students may enroll in this course during either the fall and/or spring semesters as an elective offering for dual credit or preparation for the APUSH exam as long as they completed both United States History A and United States History B earning the grade of "A".*

AP<sup>®</sup> U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. history course. In AP<sup>®</sup> U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides seven themes that students explore throughout the course to make connections among historic developments in different times and places: American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society. It is expected students who choose to enroll in this course will be able to analyze and interpret a college-level textbook and communicate, both written and verbally, at a college level.

# SOCIAL STUDIES DEPARTMENT

David Causey, Department Chairperson

## WESTERN CIVILIZATION

1 Semester (Spring)

*Open to sophomores, juniors and seniors*

*Prerequisite: None*

**NCAA**

1/2 credit

**Students who have already completed one semester of Western Civilization may elect to enroll in this course again in subsequent years and receive separate credit. Students who elect to take Western Civilization A, B, and C, will be well prepared and are encouraged to take the World History Advanced Placement® Test during the spring of their senior year.**

### 2024-2025 WESTERN CIVILIZATION B

#### **The Middle Ages and Europe in Transition: 500 A.D. – 1400**

In this course the student will find out what it was like to live in a time when a strong arm and a sword were the only law. This age of barbarity and cruelty has been one of the most violent and long-suffering in the history of mankind. The role of the church and its religious beliefs and even superstitions will be examined. The nobles and their superstitious will be examined. The nobles and their armed retainer will be seen as the true power of the Middle Ages tempered only slightly by a church which itself was more interested in money than morals. Find out what it was like to march on a crusade, work in a guild, sail on a Viking ship, pray in a monastery, or die on the rack. This course is a must for any that have ever been charmed by the idea of knights, castles, and fair ladies.

#### **Crusaders, Explorers and Enlightenment: 1400-1830**

This course will deal with the birth of the national state. Out of the chaos of the Middle Ages, strong kings will unite peoples in more peaceable and ordered societies. Many of these cases of unification, however, will be accomplished with blood, iron, and conquest. Once nations are established, war does not cease, but is instead redirected from between small geographic areas to between the new national organs. Gradually during this period, a revival of the art, culture, and architecture of the ancient past will establish itself again in Europe. Great artists, leaders, and religious reformers such as Michelangelo, Henry VIII and Martin Luther will be surveyed. Having achieved a primitive level of educated humanity, the men of Europe will then strike out to establish their control over other parts of the world. Having developed advanced weapons and ships, such explorers as Columbus and Cabot made great inroads for European hegemony in far lands. The course will close with an examination of the French Revolution and Napoleon. One cannot understand the modern world without the understanding of the ideas and motivations of this great and changing period.

### 2025-2026 WESTERN CIVILIZATION C

#### **Revolution, Imperialism and World War 1830-1945**

This course is designed to give the student an understanding of the roots of modern Europe. Emphasis will be placed upon World War I and World War II with stress being placed upon leadership, military developments, and strategies. The primary concern of the course will be causes, outcomes, and aftermaths of almost two hundred years of constant warfare between European powers.

### 2026-2027 WESTERN CIVILIZATION A

**The Roots of Mankind: Prehistory to 500 B.C.** This is a study of man's ancient past with the emphasis being placed upon the development of civilized man, early civilizations, and our debts to ancient man. The course includes the foundations of written languages, religions, architecture, science and our culture in general. A variety of teaching methods will be used.

#### **Greeks, Gallies and Gladiators – 500 B.C. – 476 A.D.**

This includes a comprehensive study of Grecian-Roman History. The culture, way of life, and history of the ancient Greeks and Romans will be studied. Such famous figures of the past as Julius Caesar, Hannibal, and Alexander the Great will be integral parts of this course. The importance of this classical age is immense. The world that surrounds the student today is shaped by the recurrent appearance of concepts, materials and institutions that were created and passed on to us by these ancient masterminds. Many of the more sensational aspects of the ancients will also be examined. This will include a look at gladiators, power-crazed emperors, helpless slaves, ruthless assassins and the utterly corrupt rich. Using tests, readings, reports, and projects the student will acquire a new and self-rewarding background on one of man's most interesting and exciting eras.

## SPECIAL EDUCATION

### English Courses

- Appreciation of Literature (Full year - Grade 9)
- Appreciation of Rhetoric (Full year - Grade 9)
- World Literature (Full year - Grade 10)
- Written Communication (Full year - Grade 10)
- Principles of Composition (First semester - Grade 11)
- Contemporary Themes in Literature (Second semester - Grade 11)
- Senior Writing Seminar (First semester - Grade 12)
- Theater Literature (Second semester - Grade 12)

### Mathematics Courses

- Introduction to Algebra
- Introduction to Geometry
- Algebra 1 (Equivalent to Algebra 1A Regular)
- Algebra 2
  
- \*\*Students must pass both semesters of math in order to move on to the next level\*\*

### Science Courses

- Physical/Earth Science (Grade 10)
- Biology (Grade 11)

### Social Studies Courses

- Civics (Full year - Grade 9)
- World Geography
- U.S. History
- Modern History

### Essential Life Skills

- Community Living Skills
- Current Events
- Daily Living Skills
- Essential English Skills
- Essential Health Skills
- Essential Math Skills
- Functional Academics
- Pre-Vocational Training
- Secondary Transitional Experience Program
- Self Advocacy & Self-Determination
- Independent Living Skills
- Recreation and Leisure

### Other Courses

- Drivers Education
- Health
- Microsoft Office Applications
- Technology Essentials
- Personal Finance
- Cooperative Occupational Education
- Cooperative Occupational Experience
- Resource Study Skills (All Grade Levels)

# SPECIAL EDUCATION DEPARTMENT

Brandon Joggerst, Department Chairperson

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## SPECIAL EDUCATION DEPARTMENT

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### APPRECIATION OF RHETORIC

Full Year 1/2 credit per semester  
*Freshman Level Course*  
*Prerequisite: None*

This course will continue to develop the students' ability to produce written work. It will expose students to research, writing, and oral presentations. The course will cover everything from fundamental writing skills such as sentence and paragraph structure to research and presenting a variety of topics.

### WRITTEN COMMUNICATION

Full Year 1/2 credit per semester  
*Sophomore Level Course*  
*Prerequisite: None*

This course will offer practice in essay writing will be the focus of this course. The writing process will begin with a review and practice of sentence structure and include skill writing such as extended paragraphs, compare-contrast, persuasive, and analysis papers.

### APPRECIATION OF LITERATURE

Full Year 1/2 credit per semester  
*Freshman Level Course*  
*Prerequisite: None*

This course will continue to enhance a students' ability to read and provide materials at individually differentiated levels. The course will cover a variety of short stories, nonfiction, plays, and novels that are organized by theme. Through vocabulary development and comprehension strategies, students will work toward grade level reading while developing skills to accommodate themselves.

### WORLD LITERATURE

Full Year 1/2 credit per semester  
*Sophomore Level Course*  
*Prerequisite: None*

This course will continue to center around increasing students' reading level and vocabulary. The class will give students the opportunity to experience and incorporate all elements of literacy while studying literature from around the world.

### PRINCIPLES OF COMPOSITION

1 Semester 1/2 credit  
*Junior Level Course*  
*Prerequisite: None*

This course will continue to assist students in honing their writing skills. They will concentrate on the writing process for developing more clearly focused samples. Improvements upon the structure of sentences and paragraphs will be focused on.

### CONTEPORARY THEMES IN LITERATURE

1 Semester 1/2 credit  
*Junior Level Course*  
*Prerequisite: None*

This course will continue to assist students in honing their writing skills. They will concentrate on the writing process for developing more clearly focused samples. Improvements upon structure of sentences and paragraphs will be focused on.

### SENIOR WRITING SEMINAR

1 Semester 1/2 credit  
*Senior Level Course*  
*Prerequisite: None*

Senior Writing Seminar provides students the continued development of the writing process through creative and formal assignments. Students write about personal experiences as they create an autobiography. Formal writing is addressed within a research essay utilizing credible databases. Students will practice 5 paragraph essay organization, building and supporting details, and mechanics and grammar skills. Editing and revision will be a focus of the writing process. The classroom is designed to allow the best possible chance of success by each student as lessons are differentiated and accommodated for a variety of learning abilities.

### THEATER LITERATURE

1 Semester 1/2 credit  
*Senior Level Course*  
*Prerequisite: None*

Theater Literature provides students an opportunity to read and study dramatic literature representing various styles and periods. These plays serve as a basis of literature, a blueprint for performances, and the basis for written essays and discussion. Though elements and characteristics of dramatic literature will be the focus, students will be exposed to basic acting and staging techniques. The

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classroom is designed to allow the best possible chance of success by each student as lessons are differentiated and accommodated for a variety of learning abilities.

## INTRODUCTION TO ALGEBRA

Full Year 1/2 credit per semester

*Open to all levels*

*Prerequisite: None*

Introduction to Algebra is for students who need more mathematics before entering a formal algebra program. The text teaches basic concepts of mathematics and introduces algebra concepts in a step-by-step approach. Topics include: algebra and whole numbers (representing numbers using letters, replacing variables); using decimals, number theory, rational numbers and fractions; basic operation and rational expressions (evaluating algebraic expression); ratios, proportion, and percents; integers (comparing integers, adding, subtracting, multiply, and divide integers); exponents, square roots, and the Pythagorean theorem; equations from geometry (area, volume, and circumferences); and data, statistics, and probability.

## INTRODUCTION TO GEOMETRY

NCAA

Full Year 1/2 credit per semester

*Open to sophomores, juniors and seniors*

*Prerequisite: None*

The Introduction to Geometry course is a branch of mathematics that deals with logic, measurement, and the relationships of points, lines, angles, and figures in space. Introduction to Geometry focuses on shapes, sizes, patterns, and positions of figures as they apply to everyday life. This course is designed to reach students with deficits in math using interactive activities, manipulatives, and technology in the classroom. The geometry text presents topics in a straightforward approach in presenting material in a step-by-step approach that is focused on capitalizing on student learning styles.

## ALGEBRA 1

NCAA

Full Year 1/2 credit per semester

*Open to sophomores, juniors and seniors*

*Prerequisite: None*

Algebra 1 teaches the basic concepts of algebra in a step-by-step approach. The course is specifically designed to meet the needs of students requiring a slower pace and extra practice with algebra and number skills. An emphasis is placed on including instruction using a variety of modalities. Topics in this course include algebra basics, fractions, expression, equations, and inequalities, solving equations and inequalities, writing/graphing equations, functions, and inequalities, percent, measures of central tendency, and probability, and mathematical life skills.

## ALGEBRA 2

NCAA

Full Year 1/2 credit per semester

*Open to sophomores, juniors, and seniors*

*Prerequisite: None*

The content of Algebra 2 is organized around families of functions, with special emphasis on linear and quadratic functions. As students learn about each family of functions, they will learn to represent them in multiple ways--as verbal descriptions, equations, tables, and graphs. Topics include: expressions, equations, properties of real numbers, solving linear equations, solving and graphing linear inequalities, exponents and exponential functions, graphing and writing linear equations and functions. Technology support for both learning algebra and preparing for standardized tests will also be used in class.

## PHYSICAL/EARTH SCIENCE

NCAA

Full Year 1/2 credit per semester

*Open to sophomores, juniors and seniors*

*Prerequisite: None*

Physical/Earth Science is a course designed to give introductory students an understanding of basic Physical Science concepts. The topics of motion, energy, and matter will be taught and reinforced by analyzing the interaction of these concepts with Earth Science. The Earth Science concepts of planetary systems, weather and physical processes will be related to current events and information along with the relationship humans have with the environment. Lab work will be inquiry based and used to reinforce the concepts presented in class. This framework will create a comprehensive understanding of and appreciation for the physical workings of the Earth. The classroom is designed to allow the best possible chance of success by each student as lessons are differentiated and accommodated for a variety of learning abilities.

## BIOLOGY

NCAA

Full Year 1/2 credit per semester

*Open to sophomores, juniors and seniors*

*Prerequisite: None*

This biology course meets one of the two required science credits necessary for graduation. The course is designed to give students an introductory knowledge of fundamental biological principles and general understanding of life. The course will cover a range of topics including the organization of organisms, classification of organisms, organization of communities, heredity and genetics of organisms. Students are provided with the opportunity of laboratory exercises that correlate the lecture material, and also stimulate their interests in biology and other sciences. Instruction is individualized to meet the needs of students, and class sizes are small to ensure individual

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attention to specific needs. Sufficient time is spent on the study and review of topics.

## CIVICS

**\*NCAA**

Full Year 1/2 credit per semester

*Open to all levels*

*Prerequisite: None*

Civics is a two-semester course. It offers the students the chance to investigate a wide range of government actions, purposes, structures and problems at the local, state and national level. Students will study the power structure and decision making process of the different levels of government. Students will study United States Constitution and Illinois Constitution, which serve as an underlying theme throughout the course. Students will study current events to be informed for class discussions and assignments. **\*.5 credit max**

## UNITED STATES HISTORY

**NCAA**

Full Year 1/2 credit per semester

*Open to juniors and seniors*

*Prerequisite: None*

This course is designed as a survey of the history of the United States. It is divided into two separate sections; first semester - "A": Early Indian Cultures to the end of the Progressive Era, second semester - "B": World War I to the present. The course will stress the important aspects of the social, political, military, and economic achievements of earlier generations of Americans. Course requirements may include mapwork, tests, quizzes, book reports, projects, and other assignments made by the instructor.

## MODERN HISTORY

**NCAA**

1 Semester 1/2 credit

*Open to sophomores, juniors and seniors*

*Prerequisite: None*

This course is designed to educate students of the events that shaped the United States from WW1 to present times. Students will cover topics such as WW1, WW2, and the Vietnam War. This course will stress the important aspects of the social, political, military, and economic achievements of past and present generations of Americans.

## WORLD GEOGRAPHY

**NCAA**

1 Semester 1/2 credit

*Open to sophomores, juniors and seniors*

*Prerequisite: None*

This course is designed to increase the knowledge in the areas of world culture, regions, climates, landforms, conservation of natural resources, topography, and history.

Emphasis is placed on geography, population, economics, historical origins, and the culture of specific regions.

## DRIVER EDUCATION

1 Semester 1/2 credit

*Open to sophomores, juniors and seniors*

*Prerequisite: See Note \**

The driving age in Illinois is 18. A student may obtain a restricted driver's license at the ages of 16 and 17 if they pass an approved driver education course consisting of 30 hours of classroom and 12 hours of behind the wheel training (6 hours driving and 6 hours observation). O'Fallon Township High School offers students an Illinois State Board of Education approved driver education course.

- Driver Education classroom and behind the wheel driving introduces students to Illinois Rules of the Road, vehicle control procedures, risk management techniques, skills that assist drivers in different environments and decision-making methods to become responsible drivers. Students will apply for permits during the classroom portion of driver education. (Students must be 15 years of age, show proof of age: certified birth certificate or military ID, pay a \$20 fee to the Illinois Secretary of State's Office, pass a written test and pass a vision test 20/40)
- Eligibility for enrollment: Illinois State Law states that students must have successfully passed eight (8) semester hours in the previous two (2) semesters to enroll in driver education. There is a \$250 fee for driver education classroom / behind the wheel training. This fee must be paid before the student will be scheduled for behind the wheel driving.
- Driver Education classroom is a semester class that counts toward a student's grade point average. The classroom phase is offered first semester and the behind the wheel training is offered throughout the school year plus during the summer.
- Behind the wheel driving sometimes occurs concurrently with classroom driver education and sometimes after the classroom portion (this is due to availability of driver education vehicles and the number of students enrolled). Behind the wheel driving lessons must be driven in not less than a 6-week period. (4 weeks allowable in the summer).

## HEALTH

1 Semester 1/2 credit

*Open to all levels*

*Prerequisite: See Note\**

Health is an opportunity for the student to gain knowledge about his physical, emotional, and social self. Practical information about the body and diseases, nutrition, health hazards associated with the use of tobacco, alcohol, and



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drugs are all included. Safety procedures and emergency situations are presented. Reproduction, pregnancy, prevention, and various communicable diseases are units in the course. The class is directed to encourage the students to develop habits that will keep them mentally and physically healthy. Also, to enable the students to know when they need medical help and to communicate their problems with professionals.

\*Students old enough to enroll in Driver Education their freshman year will enroll in Health their sophomore year; students taking Driver Education sophomore year will enroll in Health their freshman year.

## **MICROSOFT® OFFICE APPLICATIONS**

1 Semester 1/2 credit  
*Open to sophomores, juniors and seniors*  
*Prerequisite: None*

This course is designed to develop awareness and understanding of application software and equipment used by individuals to perform tasks in business, marketing, and management. Document formatting is emphasized as students apply problem-solving skills to hands-on, real-life situations using a variety of software applications. Students will explore topics related to computer concepts, operating systems, telecommunications, and emerging technologies. Business Ethics and workplace skills will be included throughout the course. According to the Illinois Skill Standards, students will apply proper grammar, punctuation, spelling, and proofreading applications. The course will provide instruction in Microsoft® Office applications, including Word, Excel, and PowerPoint, as well as the integration of these programs. Daily lessons will be formatted to enhance the student's knowledge and application of these software programs. *B115*

## **TECHNOLOGY ESSENTIALS**

1 Semester 1/2 credit  
*Open to freshmen only*  
*Prerequisite: None*

This course is designed to develop and enhance the abilities to key by touch, proofread, correct errors, and format a variety of documents used throughout the OTHS curriculum. Students enrolled in Technology Essentials will obtain necessary skills related to the daily use of technology in education. Students will also learn about media literacy and learn the skills needed to access, analyze, and evaluate all forms of communication. They will learn to properly utilize the OTHS student data drive, develop important file management skills, format documents in Microsoft Word utilizing features in Word

and develop the ability to organize work and meet deadlines. *B100*

## **PERSONAL FINANCE**

1 Semester 1/2 credit  
*Open to juniors and seniors*  
*Prerequisite: None*

This course is designed to familiarize students to their role as consumers in the free enterprise system. This course will teach students how to manage their personal resources by making informed choices as consumers in the marketplace. Specific consumer problems that students will encounter during both their school years and adult lives will be discussed. The abilities to make personal financial decisions in the areas of budgeting, record keeping, insurance, credit, investing, and financial institutions and services will be emphasized in the learning activities.

## **COOPERATIVE OCCUPATIONAL EDUCATION**

Full Year 1/2 credit per semester  
*Open to seniors*  
*Prerequisite: None*

This class provides students the opportunity to participate in work-related classroom instruction. Students will become aware of their present and future role as a worker in today's society. Illinois Learning Standards are included throughout the course. The course will explore the requirements to be employed in today's work world, including resume writing, job interviewing, and the skills to maintain successful employment. Students will develop self-reflection, critical thinking, reading, writing, and communication skills throughout the course. Those skills will better allow students to be informed decision makers, make economic choices, improve vocational skills, and plan for their future. Second semester instruction will focus on the skills required for young adults to live independently and will require students to successfully develop a post-secondary plan. To be eligible to take the additional Cooperative Occupational Experience course, students must be enrolled in this Cooperative Occupational Education course.

## **COOPERATIVE OCCUPATIONAL EXPERIENCE**

2 Semesters 1 credit per semester  
*Open to seniors*  
*Prerequisite: None*

Students who enroll in the Work Experience Course must also be enrolled in the Cooperative Occupation Education course. This class allows students to be released from school to receive their cooperative education work experience at a job. The classroom is each student's job site. This course provides credit for students who are getting on-the-job experience in the

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Brandon Joggerst, Department Chairperson

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working world. Written training agreements are developed and maintained by the course coordinator. The coordinator, student, and employer must assume compliance with federal, state, and local laws and regulations in the job setting. Students are required to work, on average, a minimum of ten hours per week but no more than 35 and provide proof of hours worked. While the instructor can direct students towards open positions, the student is ultimately responsible for obtaining work placement. Students are also required to maintain employment for the entirety of the semester. Failure to obtain employment or employment termination, can result in removal from the class. The Illinois Learning Standards are applied throughout the course.

## **SPECIAL COURSE OFFERINGS**

### **RSS 9, RSS 10, RSS 11, RSS 12**

*(Resource Study Skills)*

1 or 2 Semesters 1/2 credit per semester

*Open to all levels*

*Prerequisite: None*

RSS is a one-semester elective credit class split up by grade level (usually taken a full year at a time). Curriculum differs depending on grade level and is specific to the needs of that age group. (Ex. Junior RSS focuses on ACT test preparation). Further daily instruction focuses on basic study skills that students need for academic success. Students learn about note taking, textbook reading, goal setting, test taking and other study skills appropriate to grade level material. A large amount of class time is also devoted to completing homework, preparing for tests, and individual and group tutoring. Frequent contact is made with parents and with students' academic teachers to foster responsibility and academic success.

## **ESSENTIAL LIFE SKILLS PROGRAM**

### **COMMUNITY LIVING SKILLS**

Full Year 1/2 credit per semester

This course is designed to teach students to function as independently as possible in all areas of the community. Examples are stores, restaurants, community facilities, and community transportation.

### **CURRENT EVENTS**

Full Year 1/2 credit per semester

This course is designed to update students on current news. They will complete questions on material that is learned. Students will complete weather logs by searching the internet. The student is expected to learn and apply information. Instructional tools will include computers,

newspaper articles, and News-to-You.

### **DAILY LIVING SKILLS**

Full Year 1/2 credit per semester

Daily Living Skills helps prepare students for the transition from school to independent living. Students work on preparing nutritious meals at their own ability level, caring for clothing, and caring for a home. Other general skills are worked on within the classroom and in the appropriate community environment.

### **ESSENTIAL ENGLISH SKILLS**

Full Year 1/2 credit per semester

This course is directed toward developing basic language skills that will be used in everyday life. Students will practice skills such as reading comprehension, site words, functional writing skills, and spelling.

### **ESSENTIAL HEALTH SKILLS**

1 Semester 1/2 credit

Essential Health Skills covers a variety of lessons surrounding basic health, first aid, nutrition, safety and physical fitness.

### **ESSENTIAL MATH**

Full Year 1/2 credit per semester

This course provides essential math skills used in everyday activities through the use of calculators, restaurant menus, digital and analog clocks, money, and computers.

### **SELF-ADVOCACY**

Full Year 1/2 credit per semester

The course focus is to develop the functional skills necessary to enhance students' independent functioning skills. The course focus includes language arts, math, social sciences, community-based instruction, social/behavioral, and technology skills. This course provides for individual needs based on the yearly Individual Education Plan.

### **PRE-VOCATIONAL TRAINING**

Full Year 1 credit per semester

This is a basic orientation to basic tool uses, practices, and safety in areas such as maintenance, food service,

domestic services and janitorial. The course will give correct or appropriate hands-on usage of these tools through various activities.

Students are instructed in appropriate work behaviors, including following rules and regulations; completing assignments in an accurate, timely manner; and

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Brandon Joggerst, Department Chairperson

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demonstrating problem-solving skills. Students will be taught to maintain a safe and healthy environment. Instruction will involve complying with safety and health rules; selecting correct tools and equipment; utilizing equipment correctly; maintaining a clean and orderly work area; and demonstrating personal hygiene and cleanliness. The primary focus is on the dignity of employment and the role to the student gaining a job and maintaining it. *S200* actual experience at a community work site.

## **SECONDARY TRANSITIONAL EXPERIENCE PROGRAM (STEP) WORK EXPERIENCE**

Full Year 1/2 credit per semester

The goal of this class is for the student to gain part-time employment and maintain that job with acceptable skills. Areas of concentration include:

1. Developing job skills as required at the training site
2. Maintaining employment for a minimum of three months each semester
3. Demonstrating job punctuality and attendance
4. Performing clerical duties
  - a. Completing job station reports
  - b. Completing training agreements
  - c. Completing time sheets
5. Job problem-solving
  - a. Using effective communication techniques
  - b. Meeting with work study coordinator to monitor on-job performance

The Illinois Learning Standards are applied throughout the course. *S499*

## **SELF ADVOCACY & SELF-DETERMINATION**

Full Year 1/2 credit per semester

The course focus is to enable students with disabilities to apply self-determination and self-advocacy skills in school, home, community, and employment settings. Students will increase self-awareness of personal abilities and develop an understanding of the impact of their own disability on learning and on other areas of life.

## **INDEPENDENT LIVING SKILLS**

Full Year 1/2 credit per semester

This course helps prepare students for the transition from school to independent living. Students work on preparing nutritious meals at their own ability level, caring for clothing, and caring for a home. Other general skills are worked on within the classroom and in the appropriate community environment.

## **RECREATION AND LEISURE**

Full Year 1/2 credit per semester

In this course, students identify and practice the decisions they will make as responsible adults, including how to maintain a healthy lifestyle and enjoy leisure activities. Students explore leisure, physical activity, recreation and reflection. Each of these areas is important for the student to incorporate into free time.

# WORLD LANGUAGE DEPARTMENT

Libby Magee, Department Chairperson

## WORLD LANGUAGE DEPARTMENT

OTHS offers a four-year program in FRENCH, GERMAN, and SPANISH. Students planning to attend college are encouraged to take a second language beginning at the freshman level. This will allow students to reach the upper-level courses by their junior and senior year to benefit from the Honors and AP® course content and weighted GPA, in addition to the possible college credit that many colleges offer to students who have studied four years of a language. Students in Honors Level III classes will have their first opportunity to take the test for potential qualification for the Illinois State Seal of Biliteracy (optional) and students in the fourth year will be well prepared to take the AP® exam in May (optional).

### FRENCH I

NCAA

Full Year 1/2 credit per semester

*Open to all levels*

*Prerequisite: None*

*Students are encouraged to have strong grammar and reading skills for optimum success in a foreign language.*

The major goal of French I is to develop basic skills of listening, speaking, reading and writing. A variety of activities are provided to help students use French each day. Students also learn about the daily life of French teenagers.

### FRENCH II

NCAA

Full Year 1/2 credit per semester

*Open to all levels meeting prerequisite*

*Prerequisite: Completion of French I with a grade of "C" or better*

French II reviews and expands upon the skills learned in French I. Emphasis is placed on grammar, structure, and vocabulary. Activities and exercises are planned to help students gain greater proficiency in reading, speaking, listening, and writing skills.

### HONORS FRENCH III

NCAA

Full Year 1/2 credit per semester

*Open to all levels meeting prerequisite*

*Prerequisite: Completion of French I and II with a grade of "B- or better.*

French III places primary emphasis on strengthening language skills. The majority of the class is taught in French and students are expected to interact in French as much as possible with the teacher and the other students. Grammar and vocabulary abilities continue to be expanded. Reading materials are selections originally intended for native French speakers.

### AP® FRENCH LANGUAGE AND CULTURE

NCAA

Full Year 1/2 credit per semester

*Open to all levels meeting prerequisite*

*Prerequisite: Completion of French I, II and III with a grade of "A" or "B"*

AP® French Language and Culture is taught entirely in French and is designed to provide advanced high school students the opportunity to study French at a rigorous college level. The students will read, write, listen, speak, and make cultural comparisons in French. This course will follow the six themes as prescribed by the College Board Advanced Placement® curriculum.

### GERMAN I

NCAA

Full Year 1/2 credit per semester

*Open to all levels*

*Prerequisite: None*

*Students are encouraged to have strong grammar and reading skills for optimum success in a foreign language.*

German I is an introduction to the German language and culture. The focus of the course is on building a foundation in skills of listening, speaking, reading, and writing in German. Cultural aspects of German-speaking countries are also introduced. Students participate in a variety of individual, partner, and group activities.

### GERMAN II

NCAA

Full Year 1/2 credit per semester

*Open to all levels meeting prerequisite*

*Prerequisite: Completion of German I with a grade of "C" or better*

German II reviews and continues the development of language skills introduced in German I. The focus is on gaining greater proficiency in the language and learning more about German culture, including current events, music, literature, and movies. This course is recommended only to those students who earned a grade of "C" or higher in German I.

# WORLD LANGUAGE DEPARTMENT

Libby Magee, Department Chairperson

## HONORS GERMAN III

NCAA

Full Year 1/2 credit per semester

*Open to all levels meeting prerequisite*

*Prerequisite: Completion of German I and II with a grade of "B- "or better.*

German III is conducted primarily in German, and students are encouraged and expected to speak in German as much as possible in the classroom setting. Language skills are refined as vocabulary and language proficiency is further developed. Students participate in a wide variety of activities for oral communication and write and read at a more advanced level.

## AP® GERMAN LANGUAGE AND CULTURE

NCAA

Full Year 1/2 credit per semester

*Open to all levels meeting prerequisite*

*Prerequisite: Completion of German I, II and III with a grade of "A" or "B"*

AP® German Language and Culture is taught entirely in German and is designed to provide advanced high school students the opportunity to study German at a rigorous college level. The students are expected to speak German at all times in the classroom and will read, write, listen, speak, and make cultural comparisons in German. This course will follow the six themes as prescribed by the College Board Advanced Placement® curriculum.

## MANDARIN I

Full Year 1/2 credit per semester

*Open to all levels*

*Prerequisite: None*

The main goal of Mandarin I is to develop a beginning ability in listening, speaking, reading, and writing Mandarin. The secondary purpose is to develop knowledge of structure and cultural awareness. The students participate in a variety of individual, partner, and group activities.

## SPANISH I

NCAA

Full Year 1/2 credit per semester

*Open to all levels*

*Prerequisite: None*

*Students are encouraged to have strong grammar and reading skills for optimum success in a foreign language.*

The main goal of Spanish I is to develop a beginning ability in listening, speaking, reading, and writing Spanish. The secondary purpose is to develop knowledge of structure and cultural awareness. The students participate in a variety of individual, partner, and group activities.

## SPANISH II

NCAA

Full Year 1/2 credit per semester

*Open to all levels meeting prerequisite*

*Prerequisite: Completion of Spanish I with a grade of "C" or better*

Within the course, many of the same techniques of language skills are used as in the first year, but they are used to obtain a higher degree of proficiency in the language. In the second year, more emphasis is placed on speaking, grammar and structure of this language, with special emphasis on life in Spanish speaking countries and using the language in context.

## HONORS SPANISH III

NCAA

Full Year 1/2 credit per semester

*Open to all levels meeting prerequisite*

*Prerequisite: Completion of Spanish I and II with a grade of "B- "or better.*

This year employs an even stronger emphasis on the speaking and reading aspects, as well as learning the advanced grammar structures of the language. The majority of the class is taught in Spanish and the students are expected to speak in Spanish as much as possible.

## AP® SPANISH LANGUAGE AND CULTURE

NCAA

Full Year 1/2 credit per semester

*Open to all levels meeting prerequisite*

*Prerequisite: Completion of Spanish I, II and III with a grade of "A" or "B"*

AP® Spanish Language and Culture is taught entirely in Spanish and is designed to provide advanced high school students the opportunity to study Spanish at a rigorous college level. The students are expected to speak Spanish at all times in the classroom and will read, write, listen, speak, and make cultural comparisons in Spanish. This course will follow the six themes as prescribed by the College Board Advanced Placement® curriculum.

# FOUR-YEAR PLAN WORKSHEET

O'FALLON TOWNSHIP HIGH SCHOOL

**NOTES:**

- 9<sup>TH</sup> grade students may enroll in a maximum of six (6) courses to fill a seven (7) period day.
- 10<sup>th</sup>-12<sup>th</sup> grade students may enroll in a maximum of seven (7) courses with the selection of an Early Bird scheduling option.
- This worksheet is to be used as a guide to help plan your course selections. Please work with your school counselor if you have questions.
- Refer to *Graduation Requirements* for additional information regarding credits and course requirements.

	FRESHMAN		SOPHOMORE	
	SM 1	SM 2	SM 1	SM 2
<b>ENGLISH</b>				
<b>MATH</b>				
<b>SCIENCE</b>				
<b>SOCIAL STUDIES</b>				
<b>P.E.</b>				
<b>HEALTH</b>				
<b>PERSONAL FINANCE</b>				
<b>ELECTIVE</b>				
<b>ELECTIVE</b>				
<b>TOTAL CREDITS</b>				
	JUNIOR		SENIOR	
	SM 1	SM 2	SM 1	SM 2
<b>ENGLISH</b>				
<b>MATH</b>				
<b>SCIENCE</b>				
<b>SOCIAL STUDIES</b>				
<b>P.E.</b>				
<b>HEALTH</b>				
<b>PERSONAL FINANCE</b>				
<b>ELECTIVE</b>				
<b>ELECTIVE</b>				
<b>ELECTIVE</b>				
<b>TOTAL CREDITS</b>				

# NCAA PLANNING WORKSHEET

## O'FALLON TOWNSHIP HIGH SCHOOL

The following planning guide is a tool for parents and students to use in the planning of 16 core courses for **Full Qualifier** status under NCAA DIV I Guidelines. Note: Ten of the 16 core courses must be completed before the seventh semester (senior year) of high school and seven of the 10 core courses must be in English, math or natural/physical science. Additional Core Course GPA and SAT/ACT combined scores must also be met. Ensuring that a student meets the athletic eligibility guidelines set forth by NCAA, NAIA, and NJCAA, is the sole responsibility of the student and parent/guardian. Information related to athletic eligibility may be found by visiting the respective websites for each athletic clearinghouse.

Students and parents are also encouraged to visit the OTHS Guidance Department page on [www.oths.us](http://www.oths.us). Resources for student athletes such as Eligibility Center Guidelines, Approved Core Courses and Core Course GPA information may all be accessed on that page. Students interested in playing collegiate level sports should communicate their interests to their Guidance Counselor as early as possible. Course selection is a primary component of NCAA eligibility and should begin freshman year.

NCAA and NAIA require that SAT and ACT scores be sent directly to the eligibility center from the testing agencies.  
 NCAA Testing Code - 9999/ NAIA Testing Code- 9876

### Prospective Student Athlete 16 Core Course Planning Guide

	<i>Example: Appreciation of Rhetoric</i>	.50	<i>Example: Appreciation of Literature</i>	.50
<b>ENGLISH- 4 YEARS</b>				
<b>MATH- 3 YEARS ALG 1 OR HIGHER</b>				
<b>SCIENCE- 2 YEARS</b>				
<b>ADDITIONAL MATH, ENGLISH, SCIENCE- 1 YEAR</b>				
<b>SOCIAL STUDIES- 1 YEAR</b>				
<b>ADDITIONAL CORE CLASSES OR WORLD LANGUAGE- 4 YEARS</b>				

Please refer to the OTHS Curriculum Guide or the NCAA eligibility center website for a list of approved courses. Not all courses at OTHS are NCAA approved. Approved courses are noted in the course catalog within each Department by the designation: **NCAA**