



# 2025-26 COURSE CATALOG



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# INTRODUCTION & ACADEMIC POLICIES

## INTRODUCTION

West Aurora High School is one of Illinois' leading public high schools, celebrated for its long-standing reputation of academic excellence. Our students are exposed to challenging subject matter in both academic and technical career courses. In order to make the most of the educational opportunities offered at West Aurora High School, we urge students and parents to make a four-year educational plan that includes the student's plans and goals before the student enters their freshman year. During the high school years, we recommend that parents and students examine and evaluate their initial plans to accommodate changes in the student's interests and future plans.

The West Aurora High School staff has developed this Curriculum Guide to aid parents and students in their planning efforts throughout the high school years. We urge parents and students to read and become familiar with the information included here. The school counseling department is an excellent source of information about college and career requirements, the overall curriculum, and the registration process. Entering freshman students and parents should also consult their middle school teachers and counselors when making course selections for their ninth-grade year.

## OUR MISSION & VISION

*WE EMBRACE THE CURIOSITY, COMPLEXITY, AND JOY OF LEARNING!*

At West Aurora High School, we ensure that all graduates are academically prepared with essential skills and mindsets to empower them as they enter their chosen post-secondary path.

## OUR PHILOSOPHY

As a comprehensive high school and unit school district, we believe it is essential to offer varied and appropriate course offerings for all students. We also believe that by challenging students with rigorous experiences and expectations we create a healthy and productive academic environment for all.

## CURRICULUM REGISTRATION GUIDELINES

West Aurora High School conducts pre-registration in the winter following the completion of the first semester. Students select courses for the next year with input from teachers, guidance counselors, and parents. West Aurora High School e-mails a listing of the courses selected by each student to their parents in late March. Parents review the course selections and contact their student's counselor if there are any errors. The guidance staff will make all corrections and updates prior to the start of the scheduling process. *Parents and students should consider the course schedule developed during the pre-registration as final.*

## DROPPING A COURSE

If a student would like to drop a course or have a level change, they need to fill out the request form which can be found in their house. The classroom teacher, Department Administrator, Counselor, and parent must sign the form. After the 10th school day, students will receive an "NG" (no credit) on their transcript. After the 32nd school day, students will receive a "WF" (withdrawn failure) on their transcript.

## SCHOOL YEAR/SCHOOL DAY

The school year is 36 weeks in length and is divided into two semesters of 18 weeks each. Each semester consists of four 4 ½ week grading periods. Students receive final grades at the end of each semester. Each school day consists of eight 50-minute class periods. Each student will have one 50-minute lunch/stud hall period during the school day. All students begin the day with the first period class at 7:35 am. West Aurora High School does not permit students to audit classes.

## HOMEBOUND

In order to receive Homebound/Hospital instruction, the student must have a medical certificate signed by the doctor and parent(s) stating that the student will be absent from school for a minimum of two weeks.

## ARMED FORCES

The "No Child Left Behind" law mandates that high schools must share directory information, such as names, addresses, and phone numbers of juniors and seniors, with military and college recruiters upon request. During registration each year, parents and guardians can choose to withhold this information. If you wish to change the preference you selected at registration, please contact the Student Registration Department.

## **DEFINITIONS**

**SD129** uses the following terms to help guide students through the selection of coursework and to support their decision-making in preparation for their post-secondary goals.

**AP:** Advanced Placement Course

**CAREER-RELATED ACTIVITIES:** Experiential learning opportunities incorporated into the academic curriculum to support students in gaining practical knowledge and skills related to their college and career paths.

**CERTIFICATION:** Formal recognition awarded to students who have successfully completed a specific job training program and demonstrated the necessary knowledge, skills, and competencies required for a particular occupation or industry.

**CO-LAB:** Collaboratively Instructed Course

**COLLEGE AND CAREER PATHWAY:** A college and career pathway combines rigorous, high-quality education, training, and services, aligning Secondary Education, Adult Education, Workforce Training, Career and Technical Education, and Postsecondary Education systems and programs. It includes multiple entry and exit points, allowing individuals to build skills and advance in sector-specific employment as they progress through education and training.

**COLLEGE AND CAREER PATHWAY ENDORSEMENTS:** Endorsements awarded on high school diplomas to students who demonstrate readiness for college and careers through the following indicators:

Individual post-secondary plan

Professional learning

Career-focused instructional sequence that must include at least 6 hours of early college credit

Academic readiness

**COLLEGE MAJORS:** Areas of study within a college or university, allowing students to focus on a particular academic discipline or professional field.

**CREDIT:** A measure of school achievement. A student earns one-half credit by passing a semester-long course. Students must complete at least 22 credits to graduate from West Aurora High School. Typically, students enroll in seven courses each semester and therefore have the opportunity to earn three and one-half credits per semester and seven per year

**COURSE TITLE KEY:**

Y: Year-long course

F: Fall semester course

S: Spring semester course

N: NCAA Eligibility Courses

**DIV:** Diversified Course

**ELECTIVE:** An elective course which does not necessarily meet a specific graduation requirement.

**ML:** Multilingual Course

**PATHWAY-RELATED ELECTIVE:** Courses encouraged for students to take over the 4-year sequence. These courses provide opportunities for students to build skills and knowledge connected to a future career.

**PREREQUISITE:** A course that is required prior to enrollment based on knowledge and skills needed to be successful in the following course.

**PROGRAM OF STUDY:** Recommended courses that provide students opportunities to develop skills and knowledge within a specific career pathway.

**REQUIRED COURSE:** A course a student must pass in order to graduate.

**SEQUENTIAL:** The order in which students take courses.

**STUDENT CLASSIFICATION:** SD129 classifies students as 9th, 10th, 11th, and 12th graders. The standards for classification are as follows:

9th Grade: Entering from 8th grade or students with less than 5 credits earned

10th Grade: 5 through 9.5 credits earned

11th Grade: 10 through 15.5 credits earned

12th Grade: Minimum of 16 credits earned

**WORK-BASED LEARNING EXPERIENCES:** Provides students the ability to engage directly with employers, for the purpose of gaining knowledge of industry sectors or occupations.

## **GRADING**

West High staff uses the following letter grades to report progress to parents at the end of each quarter and semester:

A – Excellent

B – Good

C – Average

D – Poor

F – Failure/no credit earned

Occasionally, the mark, "I" (incomplete) is used. This mark indicates that the student's work is not complete. Teachers only use this mark in instances when the student has been unable to meet course requirements due to circumstances beyond the student's control. The mark automatically becomes an "F" if the student does not complete the missing coursework within two weeks after the end of the semester. The student's teacher can request an extension of the two week time period.

## GRADE POINT AVERAGE

The grade point average (GPA) is an average of all grades received for all classes taken with the exception of Pass/Fail options, which are not counted in the GPA. Each letter grade has a point value:

REGULAR CLASSES	HONORS CLASSES	PERCENT
A - 4	A - 5	100-90
B - 3	B - 4	89-80
C - 2	C - 3	79-70
D - 1	D - 2	69-60
F - 0	F - 0	59 & below

To determine the GPA, add the number of points earned for each letter grade and divide the total by the number of classes taken.

## PASS/FAIL POLICY

The only classes offered with a Pass/Fail option are CTE, PE, Driver's Education, and Fine Arts. A Pass/Fail ruling may be earned if the student earns the equivalent of an "A", "B", or "C". If a "D" or "F" is earned, the letter grade will be recorded. Students must return a signed form within the first 7 days of the semester to their teacher. Forms are available from the classroom teacher or the guidance counselor. A Pass "P" does not count towards class rank or GPA.

## HONOR ROLL

A student who earns a GPA between 3.5 and 3.99 in a semester will be on the honor roll. A student who earns a GPA over 4.0 in a semester will be on the high honor roll.

## LATIN HONOR SYSTEM

The Latin honors system is a traditional academic classification used to recognize students' academic achievements upon graduation. These honors are awarded based on a student's Grade Point Average (GPA) or equivalent academic performance, with specific thresholds for each level of distinction. The three primary Latin honors are:

**Cum Laude:** "with honor", GPA: 3.75-3.99

**Magna Cum Laude:** "with great honor", GPA: 4.0-4.249

**Summa Cum Laude:** "with highest honor", GPA: 4.25+

## GRADUATION REQUIREMENTS

A student must earn a minimum of 22 credits to graduate from West Aurora High School.

SUBJECT AREA	REQUIRED COURSES	CREDITS
ENGLISH	1 FRESHMAN ENGLISH; 1 SOPHMORE ENGLISH; 1 JUNIOR ENGLISH; 1 ENGLISH ELECTIVE	4
MATH	1 ALGEBRA; 1 MATH COURSE WITH GEOMETRICAL CONCEPTS; 1 ADDITIONAL MATH COURSE IN THE PROPER SEQUENCE	3
SCIENCE		2
SOCIAL STUDIES	1/2 CIVICS; 1/2 ECONOMICS; 1 US HISTORY	2
HEALTH		.5
P.E/DRIVERS ED.		3.5
ELECTIVES	MUST INCLUDE 1 CREDIT OF ART, MUSIC, FOREIGN LANGUAGE OR VOCATIONAL COURSE	7

## EARLY GRADUATION

Most students take four years to complete the graduation requirements. It is possible, however, for a student to complete all graduation requirements at the end of the first semester of the senior year. Students who wish to attempt an early graduation should contact their guidance counselor early in their high school career. West Aurora High School requires students who graduate early to have parent permission.

## CREDIT RECOVERY

The Credit Recovery program uses Edgenuity, an online educational platform that provides a flexible, self-paced solution for students who need to recover lost credits and stay on track for graduation. Through interactive, personalized lessons in core subjects like English, Math, Science, and Social Studies, students engage with videos, readings, assessments, and practice exercises tailored to their learning needs. The platform employs a mastery-based approach, allowing students to review challenging concepts and advance once they demonstrate understanding. With access to certified instructors, support, and progress monitoring, students can recover credits at their own pace during the school day or after school, while receiving the guidance necessary to succeed and stay on track for graduation.

## FOUR-YEAR UNIVERSITY ADMISSION REQUIREMENTS

- 4 Years of English
- 3 Years of Math (Algebra, Geometry and Algebra 2)
- 3 Years of Lab Science
- 3 Years of Social Studies
- 2 Years of the Same Foreign Language; 2 Years of Fine Arts, or 2 Years of Vocational Courses



# DUAL CREDIT COURSE (DC)

Select courses at West Aurora High School offer students a chance to earn both high school and college credit simultaneously. Through our partnership with Waubonsee Community College, students enrolled in these courses gain valuable college experience while fulfilling high school graduation requirements, with all courses taking place within a School District 129 facility. All of these courses align with the Illinois Articulation Initiative (IAI), a statewide agreement among Illinois colleges and universities that ensures credits transfer smoothly to most four-year institutions.

WEST AURORA COURSE NAME	WEST AURORA YEAR OR SEMESTER COURSE	WCC FALL DUAL CREDIT COURSE	WCC SPRING DUAL CREDIT COURSE	TOTAL HOURS
<b>CAREER &amp; TECHNICAL EDUCATION</b>				
AUTOMOTIVE TECHNOLOGY 1 CCCTDC380Y	YEAR		MAINTENANCE & LIGHT REPAIR AUT100	2
WELDING 1 CCCTDC340Y	YEAR	SHIELDED METAL ARC WELDING I (SMAW) WLD120	GAS METAL ARC & FLUX CORED ARC WELDING (GMAW) WLD125	6
WELDING 2 CCCTDC440Y	YEAR	BLUEPRINT READING FOR WELDERS WLD101		3
PRECISION MACHINING AND MANUFACTURING 1 CCCTDC360Y	YEAR	SAFETY PRINCIPLES MTT100		1
PRECISION MACHINING AND MANUFACTURING 2 CCCTDC460Y	YEAR		MACHINE FUNDAMENTALS MTT108	3
INTRO TO EDUCATION & CLINICAL EXPERIENCE IN EDUCATION CCCTDC370Y	YEAR	INTRODUCTION TO EDUCATION EDU200	CLINICALS IN EDUCATION EDU202	6
INTRODUCTION TO BUSINESS CTDC500Y	YEAR		INTRODUCTION TO BUSINESS BUS100	3
MEDICAL TERMS AND ETHICS HADC209Y	YEAR		MEDICAL TERMINOLOGY HIT110	3
EARLY CHILDHOOD OCCUPATIONS 2 CCCT374Y	YEAR		INTRODUCTION TO EARLY CHILDHOOD ECE101	3
BASIC TECHNICAL DRAWING & AUTO CAD 2-D CTDC502F & CTDC503S	YEAR	TECHNICAL DRAWING I CAD100	AUTOCAD I CAD102	6
ADVANCED 2-D CAD TOPICS & AUTO CAD 3-D CTDC505F & CTDC506S	YEAR	TECHNICAL DRAWING II CAD118	AUTOCAD II CAD 120	6
<b>ENGLISH</b>				
FUNDAMENTALS OF SPEECH AND COMMUNICATIONS ENDC500	SEMESTER	FUNDAMENTALS OF SPEECH & COMMUNICATIONS COM100		3
FIRST YEAR COMPOSITION 1 ENDC501F	SEMESTER	FIRST YEAR COMPOSITION 1 ENG101		3
FIRST YEAR COMPOSITION 2 ENDC502S	SEMESTER		FIRST YEAR COMPOSITION 2 ENG102	3
<b>FINE ARTS</b>				
MUSIC IN AMERICA FADC501	SEMESTER	MUSIC IN AMERICA MUS102		3

WEST AURORA COURSE NAME	WEST AURORA YEAR OR SEMESTER COURSE	WCC FALL DUAL CREDIT COURSE	WCC SPRING DUAL CREDIT COURSE	TOTAL HOURS
<b>MATH</b>				
AP CALCULUSBC WITH ANALYTIC GEOMETRY I & 2 - HONORS DC MADC505F, MADC506S	YEAR	CALCULUS W/ANALYTIC GEOMETRY 1 MTH131	CALCULUS W/ANALYTIC GEOMETRY 2 MTH132	8
QUANTITATIVE LITERACY & BASIC STATISTICS MADC508S	YEAR		BASIC STATISTICS MTH107	3
CALCULUS 3 HONORS MADC509Y	YEAR		CALCULUS WITH ANALYTIC GEOMETRY 3 MTH233	4
PRE-CALCULUS MADC314Y	YEAR	PRECALCULUS 1 MTH129	PRECALCULUS 2 MTH 130	6
PRECALCULUS HONORS MADC314Y	YEAR	PRECALCULUS 1 MTH129	PRECALCULUS 2 MTH130	6
TECHNICAL MATHEMATICS MADC399Y	SEMESTER		TECHNICAL MATH MTH103	3
<b>SCIENCE</b>				
INTRO TO BIOLOGY & HUMAN BIOLOGY SCDC500 & SCDC503, SCDC501F & SCDC502S	YEAR	INTRODUCTION TO BIOLOGY LECTURE & LAB BIO 100 & BIO 101	HUMAN BIOLOGY BIO 102	7
<b>WORLD LANGUAGES</b>				
AP SPANISH LITERATURE AND CULTURE WLDC501Y	YEAR		INTRODUCTION TO HISPANIC LITERATURE SPN215	3
SPANISH 4 HONORS WLDC502Y	YEAR	INTERMEDIATE SPANISH 1 SPN201	INTERMEDIATE SPANISH 2 SPN202	6
<b>SOCIAL STUDIES</b>				
PSYCHOLOGY DC SSDCC500F, SSDCC500S, SSDC500Y	YEAR		INTRODUCTION TO PSYCHOLOGY PSY100	3



# SD129 LEADERSHIP

## DISTRICT ADMINISTRATION

**Michael Smith, EdD** Superintendent  
**Brent Raby, EdD** Associate Superintendent of Teaching & Learning  
**Angie Smith, EdD** Associate Superintendent of Operations  
**Ron Murphy** Executive Director of Human Resources  
**Marti Neahring** Executive Director of Student & Family Services  
**Elizabeth Wendel** Executive Director of Curriculum & Instruction  
**Tom Davidson, EdD** Executive Director of Data Research & Accountability  
**Lisa Rausch** Executive Director of Student Supports  
**Jennifer Herman** Director of Special Education  
**Michelle Jones** Director of Instructional Technology  
**Margarita Vazquez, EdD** Director of English Learner Programs  
**Valerie McCall** Director of Educational Equity  
**Anna Gonzales** Director of Community Affairs  
**Zak Fitzenreider** Assistant Director of Secondary Curriculum & Instruction  
**Mark Siekierski** Assistant Director of High School Special Education  
**David Russell** Assistant Director of Assessment

## HIGH SCHOOL ADMINISTRATION

**Whitney Martino, EdD** Principal  
**Dave Sally** Associate Principal  
**Patrick Eschman** Assistant Principal of Student Services  
**Erica Kegarise** Assistant Principal of Student Activities  
**Jolene Smith** Assistant Principal of Teaching & Learning  
**Jason Buckley, CMAA** Athletic Director  
**Demetrice Stephens** Student Support Administrator

## DEPARTMENT ADMINISTRATORS

**Chase Brackemyer** Science  
**Elaine Diveley** World Languages  
**Laura Edwards** CTE  
**Wayne Ha** Social Studies  
**Lindsay Herwaldt** English  
**Jonathan McLear** Fine Arts  
**Pamela Pater** PE/Health/Dr. Ed  
**Heather Wickey** Mathematics

## DEAN OF STUDENTS

**Dan Rymarz** Ambition House [A - Cor]  
**Lauren Lihosit** Character House [Cos - Gom]  
**Dante Corbin** Honor House [Gon - Mar]  
**Anabel Martinez** Pride House [Mas - Ris]  
**Britta Dahlberg** Tradition [Rit - Z]

## COUNSELORS

**Steve John** Lead Counselor/Private Placement & Alternative Programs  
**Jason Kaiser** A - Bur  
**Christine Herron** Bus - Cor & SC  
**Bill Stanley** Cos - Gaq  
**Nicole Hayes** Gar - Gom & ML  
**Amy Winslow** Gon - Jil  
**Steve Janca** Jim - Mar  
**Erin Vander Veen** Mas - Om  
**Jackie Baker** On - Ris  
**Meghan Cochran** Rit - S  
**Ryan Gatbunton** T - Z

## BOARD OF EDUCATION

**Richard Kerns** President  
**Melody Saperston** Vice President  
**Valerie Brown Dykstra** Board Member  
**Ira Lathan** Board Member  
**Colleen Lorenz** Board Member  
**Thomas St. Jules** Board Member  
**Julie Stone** Board Member





# COLLEGE AND CAREER PATHWAYS

At West Aurora High School, we ensure that all graduates are academically prepared with essential skills and mindsets to empower them as they enter their chosen post-secondary path. Career pathways provide students with relevant, engaging, and impactful education that better prepares them for college, careers, and lifelong success. They help students set realistic goals and make informed decisions about their education and career paths.

Courses in the pathway are positioned in the grade that they are first offered.

Varying levels may exist within each course offering. For example, US History is suggested for all Juniors. Some students may have variations on their course offerings such as AP US History or ML US History.



# **AGRICULTURE, FOOD & NATURAL RESOURCES (AFNR)**

**9      10      11      12**

## CULINARY ARTS

Intro to Foods 1 & Intro to Foods 2

Advanced Foods  
OR  
Restaurant Essentials

Restaurant Management 1

Restaurant Management 2

### RELATED ELECTIVES

Mth: Math Analysis, QLit/Basic Stats; SS: World Cultures, AP Human Geography; SC: Horticulture  
Electives: Entrepreneurship, Intro to Business, Marketing 1 & 2

### SUGGESTED COURSE SEQUENCE

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

### GRADUATION REQUIREMENTS

#### ENGLISH

English

English

English

Comp 101 OR  
Sr English &  
Composition OR  
Fundamentals of  
Speech DC

4.0 credits needed

#### MATHEMATICS

Math

Math

Math

AP Stats OR  
QLit AND Basic  
Stats DC

3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry

#### SOCIAL SCIENCE

Social Science  
\*recommended

Social Science  
\*recommended

US History OR  
American Studies

Civics &  
Economics

2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics

#### SCIENCE

Biology

Chemistry

Science Elective  
\*recommended

Science Elective  
\*recommended

2.0 credits needed

#### PHYSICAL EDUCATION

Freshmen Physical Education & Health

Physical Education And/OR Drivers Education

Physical Education Elective

Physical Education Elective

3.5 Physical Education credits needed, 0.5 Health credits needed

#### ELECTIVES

Art, Music, Language, or CTE

To increase employability in a global job market, students should enroll in a world language

7.0 credits needed

### Career-Related Activities for the Culinary Arts Pathway



Family, Careers and Community Leaders of America (FCCLA)

SkillsUSA

Culinary Club

Business Professionals of America (BPA)

Creative Media Club

### Certifications



ServSafe Food Handlers License

### Work-Based Learning Experiences



Industry visits  
Student-run Blackhawk Cafe  
Internships

### College Majors



Baking and Pastry Arts-Baker-Pastry Chef

Cooking and Related Culinary Arts, General

Culinary Arts

Chef Training

Hotel Administration-Management

Restaurant-Food Services Management



### Future Careers

Baker  
Chef and Head Cook  
Food Service Manager  
Hotel-Resort Manager

**9      10      11      12**

## ENVIRONMENTAL SCIENCE

Biology  
OR  
Biology Honors

Chemistry  
OR  
Chemistry Honors

AP Environmental Science

Research Based Internship

### RELATED ELECTIVES

SC: AP Biology, AP Chemistry, AP Physics; Electives: Business and Personal Law 1, Business and Personal Law 2

### SUGGESTED COURSE SEQUENCE

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

### GRADUATION REQUIREMENTS

#### ENGLISH

English

English

English

Comp 101 OR  
Sr English &  
Composition OR  
Fundamentals of  
Speech DC

4.0 credits needed

#### MATHEMATICS

Math

Math

Math

Pre Calculus DC  
Honors OR  
AP Calculus I/II  
OR AP Calculus III

3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry

#### SOCIAL SCIENCE

Social Science  
\*recommended

Social Science  
\*recommended

US History OR  
American Studies

Civics &  
Economics

2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics

#### SCIENCE

Biology

Chemistry

Science Elective  
\*recommended

Research Based  
Internship OR  
Related Science  
Elective

2.0 credits needed

#### PHYSICAL EDUCATION

Freshmen Physical Education & Health

Physical Education And/OR Drivers Education

Physical Education Elective

Physical Education Elective

3.5 Physical Education credits needed, 0.5 Health credits needed

#### ELECTIVES

Art, Music, Language, or CTE  
To increase employability in a global job market, students should enroll in a world language

7.0 credits needed

### Career-Related Activities for the Environmental Science Pathway



- Exemplary Student Research Program with Argonne National Laboratory
- Science Research Club
- International Student Science Fair
- Manitoba Student Summit Exchange Program

### Work-Based Learning Experiences



- Exemplary Student Research Program with Argonne National Laboratory
- Science Research Club
- International Student Science Fair
- Manitoba Student Summit Exchange Program

### Future Careers

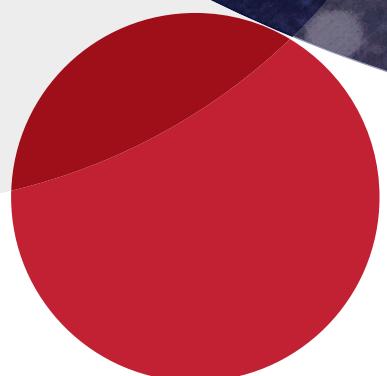


- Environmental Specialist
- Environmental Scientist
- Environmental Technician
- Meteorologist
- Marine Biologist
- Wildlife Biologist
- Ecologist
- Environmental Manager
- Environmental Lawyer
- Water/Air Quality Scientist
- Conservationist

### College Majors



- Environmental Science
- Forestry
- Meteorology
- Environmental Studies (Law, Policy)
- Microbiologist



# ARTS AND COMMUNICATION

**9      10      11      12**

## ACTING & THEATRE

Theatre Arts:  
Intro to Acting

Theatre  
Performance

Studio  
Theatre

Internship  
Studio Theatre

### RELATED ELECTIVES

Eng: Creative Writing, Film as Literature, Media and Society; SS: AP Psychology, Psychology, Sociology; Electives: Choir (multiple options)

## SUGGESTED COURSE SEQUENCE

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

### GRADUATION REQUIREMENTS

#### ENGLISH

English

English

English

Comp 101 OR  
Sr English &  
Composition OR  
Fundamentals of  
Speech DC

4.0 credits needed

#### MATHEMATICS

Math

Math

Math

AP Stats  
OR  
Q Lit AND Basic  
Stats DC

3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry

#### SOCIAL SCIENCE

Social Science  
\*recommended

Social Science  
\*recommended

US History OR  
American Studies

Civics  
&  
Economics

2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics

#### SCIENCE

Biology

Chemistry

Science Elective  
\*recommended

Science Elective  
\*recommended

2.0 credits needed

#### PHYSICAL EDUCATION

Freshmen Physical  
Education  
&  
Health

Physical Education  
And/OR  
Drivers Education

Physical Education  
Elective

Physical Education  
Elective

3.5 Physical  
Education credits  
needed, 0.5 Health  
credits needed

#### ELECTIVES

Art, Music, Language, or CTE  
To increase employability in a global job market, students should enroll in a world language

7.0 credits needed



### Career-Related Activities for the Theatre & Acting Pathway

- Drama Club
- Stage Crew
- Broadcasting Club
- Creative Writing Club
- Creative Media Club
- Muses
- Anime Club
- Photography Club
- Yearbook Club



### College Majors

- Acting
- Musical Theater
- Speech Communication
- Theater
- Theater Design
- Theater Directing
- Theater Education
- Technical Theater



### Future Careers

- Artistic Director
- Arts Administrator
- Costume
- Costume Designer
- Director
- Lighting Designer
- Set Designer
- Sound Engineer
- Stage Manager
- Stage Performer
- Tech Education
- Technician
- Theater Teacher

**9****10****11****12****ANIMATION**Visual Art  
Digital ArtDrawing 1 & 2 OR  
Ceramics &  
Sculpture 1 & 2

Animation

Animation  
Internship**RELATED ELECTIVES**Eng: Film as Literature; SS: Psychology, AP Psychology; Elective:  
Digital Music Production 1 & 2, Intro to Coding and App Development**SUGGESTED COURSE SEQUENCE***\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING***9****10****11****12****GRADUATION REQUIREMENTS****ENGLISH**

English

English

English

Comp 101 OR  
Sr English &  
Composition OR  
Fundamentals of  
Speech DC

4.0 credits needed

**MATHEMATICS**

Math

Math

Math

AP Stats  
OR  
Q Lit AND Basic  
Stats DC3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry**SOCIAL SCIENCE**Social Science  
\*recommendedSocial Science  
\*recommendedUS History OR  
American StudiesCivics  
&  
Economics2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics**SCIENCE**

Biology

Chemistry

Science Elective  
\*recommendedScience Elective  
\*recommended

2.0 credits needed

**PHYSICAL EDUCATION**Freshmen Physical  
Education  
&  
HealthPhysical Education  
And/OR  
Drivers EducationPhysical Education  
ElectivePhysical Education  
Elective3.5 Physical  
Education credits  
needed, 0.5 Health  
credits needed**ELECTIVES**

Art, Music, Language, or CTE

To increase employability in a global job market, students should enroll in a world language

7.0 credits needed

**Career-Related Activities  
for the Animation  
Pathway**

- National Art Honor Society
- Photography Club
- Yearbook Club
- Broadcast Club
- Stage Crew
- Drama
- FCCLA
- SkillsUSA
- BPA

Film and Media Studies  
Fine Arts  
Game Design  
Graphic Design  
Illustration  
Interactive Media  
Multimedia Design  
Visual Arts  
Visual Effects (VFX)

Motion Graphics Artist  
Production Designer  
Rigging Artist  
Special Effects (VFX) Artist  
Stop-Motion Animator  
Storyboard Artist  
Technical Director for Animation  
Virtual Reality Animator  
Visual Development Artist  
VFX Artist

**Future Careers**

- Animator (2D/3D)
- Background Artist
- Character Designer
- Compositing Artist
- Concept Artist
- Digital Painter
- Game Animator
- Layout Artist
- Lighting Artist
- Media Production Specialist

**College Majors**

- Animation
- Art and Design
- Computer Graphics
- Computer Science with a focus on Animation
- Digital Art and Design
- Digital Media

**9****10****11****12****ART CAREERS**Visual Art  
Digital ArtLevel 1 Art Course  
Level 2 Art Course

Advanced Portfolio Art Course

AP Studio Art Course

**RELATED ELECTIVES**

Eng: Film as Literature, Media and Society; SS: AP Psychology, Psychology,

**SUGGESTED COURSE SEQUENCE***\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING***9****10****11****12****GRADUATION REQUIREMENTS****ENGLISH**

English

English

English

Comp 101 OR  
Sr English &  
Composition OR  
Fundamentals of  
Speech DC

4.0 credits needed

**MATHEMATICS**

Math

Math

Math

AP Stats  
OR  
Q Lit AND Basic  
Stats DC3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry**SOCIAL SCIENCE**Social Science  
\*recommendedSocial Science  
\*recommendedUS History OR  
American StudiesCivics &  
Economics2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics**SCIENCE**

Biology

Chemistry

Science Elective  
\*recommendedScience Elective  
\*recommended

2.0 credits needed

**PHYSICAL EDUCATION**

Freshmen Physical Education &amp; Health

Physical Education And/OR Drivers Education

Physical Education Elective

Physical Education Elective

3.5 Physical Education credits needed, 0.5 Health credits needed

**ELECTIVES**

Art, Music, Language, or CTE

To increase employability in a global job market, students should enroll in a world language

7.0 credits needed

**Career-Related Activities for the Studio Art Pathway**

National Art Honor Society  
 Photography Club  
 Yearbook Club  
 Broadcast Club  
 Stage Crew  
 Drama  
 FCCLA  
 SkillsUSA  
 BPA

Fine Arts  
 Graphic Design  
 Illustration  
 Interior Design  
 Museum Studies  
 Photography  
 Visual Arts

Fashion/Textile Designer

Fashion Illustrator

Fine Artist

Furnishings Coordinator

Illustrator

Interior Designer

Jewelry Designer

Muralist

Photographer (Digital, Still, Video, Film)

Printmaker

Sculptor

**Future Careers**

Animator  
 Art Conservator  
 Art Director  
 Art Educator  
 Art Gallery Curator/Manager  
 Art Historian  
 Art Therapist  
 Cartoonist  
 Ceramic Artist  
 Commercial Artist  
 Digital Artist  
 Exhibition Designer

**College Majors**

Advertising  
 Animation  
 Arts Administration  
 Art Conservation  
 Art Education  
 Art History  
 Art Therapy

**9      10      11      12**

## AUDIO / MUSIC PRODUCTION

Digital Music Production 1  
Digital Music Production 2

Digital Music Production Studio

Digital Music Production Studio

Digital Music Production Studio  
Internship

### RELATED ELECTIVES

Eng: Media and Society; SS: Psychology, AP Psychology, Sociology;  
Electives: AP Music Theory, Theatre Tech and Design

### SUGGESTED COURSE SEQUENCE

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

### GRADUATION REQUIREMENTS

#### ENGLISH

English

English

English

Comp 101 OR  
Sr English &  
Composition OR  
Fundamentals of  
Speech DC

4.0 credits needed

#### MATHEMATICS

Math

Math

Math

AP Stats  
OR  
Q Lit AND Basic  
Stats DC

3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry

#### SOCIAL SCIENCE

Social Science  
\*recommended

Social Science  
\*recommended

US History OR  
American Studies

Civics &  
Economics

2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics

#### SCIENCE

Biology

Chemistry

Science Elective  
\*recommended

Science Elective  
\*recommended

2.0 credits needed

#### PHYSICAL EDUCATION

Freshmen Physical  
Education &  
Health

Physical Education  
And/OR  
Drivers Education

Physical Education  
Elective

Physical Education  
Elective

3.5 Physical  
Education credits  
needed, 0.5 Health  
credits needed

#### ELECTIVES

Art, Music, Language, or CTE  
To increase employability in a global job market, students should enroll in a world language

7.0 credits needed



### Career-Related Activities for the Audio/Music Production Pathway

- Choir
- Band
- Creative Media Club
- Engineering Club
- Stage Crew



### College Majors

- Music Production
- Audio Engineering
- Music Technology



### Future Careers

- Audio Engineers
- Music Producers
- Recording Artists
- Music Instructor
- Studio Engineers

**9      10      11      12**

## FASHION DESIGN

Fashion Design 1

Fashion Design 2

Fashion Design Independent Study

Internship

### RELATED ELECTIVES

Eng: Media and Society; SS: AP Psychology, Psychology, Sociology;  
Elective: Drawing 1 & 2

### SUGGESTED COURSE SEQUENCE

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

### GRADUATION REQUIREMENTS

#### ENGLISH

English

English

English

Comp 101 OR  
Sr English &  
Composition OR  
Fundamentals of  
Speech DC

4.0 credits needed

#### MATHEMATICS

Math

Math

Math

AP Stats  
OR  
Q Lit AND Basic  
Stats DC

3.0 credits needed  
\*Including one credit of Algebra  
1 and one credit of Geometry

#### SOCIAL SCIENCE

Social Science  
\*recommended

Social Science  
\*recommended

US History OR  
American Studies

Civics  
&  
Economics

2.0 credits needed  
\*Must include one year of U.S.  
History, Civics and Economics

#### SCIENCE

Biology

Chemistry

Science Elective  
\*recommended

Science Elective  
\*recommended

2.0 credits needed

#### PHYSICAL EDUCATION

Freshmen Physical  
Education  
&  
Health

Physical Education  
And/OR  
Drivers Education

Physical Education  
Elective

Physical Education  
Elective

3.5 Physical  
Education credits  
needed, 0.5 Health  
credits needed

#### ELECTIVES

Art, Music, Language, or CTE

To increase employability in a global job market, students should enroll in a world language

7.0 credits needed



#### Career-Related Activities for the Fashion Design Pathway

Fashion Design FCCLA  
SkillsUSA  
Crochet Club  
Drama Club  
Anime Club  
Clay Club  
National Art Honor Society  
Photography Club



#### Work-Based Learning Experiences

Industry visits  
Internships



#### Future Careers

Costume Designer  
Fabric and Apparel Patternmaker  
Fashion Designer  
Textile Knitting and Weaving  
Machine Setter, Operator and  
Tender  
Textile, Apparel and Furnishings  
Worker



#### College Majors

Apparel Technology  
Textile Studies  
Fashion Design  
Fashion Studies  
Fashion Merchandising

**9      10      11      12**

## GRAPHIC DESIGN

Intro to Graphic Design

Graphic Design Studio

Graphic Design Studio

Graphic Design Studio Internship

### RELATED ELECTIVES

Eng: Media and Society; Mth: QLit/Basic Stats; SS: Psychology, AP Psychology; Electives: Drawing 1 & 2, Marketing 1 & 2, Photography 1 & 2, Entrepreneurship

### SUGGESTED COURSE SEQUENCE

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

### GRADUATION REQUIREMENTS

#### ENGLISH

English

English

English

Comp 101 OR  
Sr English &  
Composition OR  
Fundamentals of  
Speech DC

4.0 credits needed

#### MATHEMATICS

Math

Math

Math

AP Stats  
OR  
QLit AND Basic  
Stats DC

3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry

#### SOCIAL SCIENCE

Social Science  
\*recommended

Social Science  
\*recommended

US History OR  
American Studies

Civics &  
Economics

2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics

#### SCIENCE

Biology

Chemistry

Science Elective  
\*recommended

Science Elective  
\*recommended

2.0 credits needed

#### PHYSICAL EDUCATION

Freshmen Physical Education & Health

Physical Education And/OR Drivers Education

Physical Education Elective

Physical Education Elective

3.5 Physical Education credits needed, 0.5 Health credits needed

#### ELECTIVES

Art, Music, Language, or CTE

To increase employability in a global job market, students should enroll in a world language

7.0 credits needed



### Career-Related Activities for the Graphic Design Pathway

- Creative Media Club
- Broadcast Club
- Photo Club
- Stellar Explorers
- Engineering Club
- Engineering Club
- Puzzle Cube Club
- Yearbook Club
- ESport
- National Art Honor Society
- Stage Crew
- Drama Club



### College Majors

- Advertising
- Animation and Visual Effects
- Art Education

Communication Design  
Digital Media  
Fine Arts  
Game Design  
Graphic Design  
Industrial Design  
Interactive Media  
Marketing  
Multimedia Design  
Photography  
Visual Arts  
Web Design and Development

Graphic Designer  
Illustrator  
Marketing Specialist  
Motion Graphics Designer  
Multimedia Artist  
Packaging Designer  
Photo Editor  
Print Production Specialist  
Product Designer  
Social Media Manager  
UI/UX Designer  
Visual Effects (VFX) Artist  
Web Designer



### Future Careers

- Advertising Designer
- Animation Artist
- Art Director
- Branding Specialist
- Creative Director
- Digital Content Creator
- Environmental Graphic Designer

**9      10      11      12**

## INTERIOR DESIGN

Interior Design

Interior Design  
Independent Study

Internship

### RELATED ELECTIVES

SS: Psychology, AP Psychology; Elective: CAD, Drawing 1 & 2; Technical Drafting 1 & 2

### SUGGESTED COURSE SEQUENCE

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

### GRADUATION REQUIREMENTS

#### ENGLISH

English

English

English

Comp 101 OR  
Sr English &  
Composition OR  
Fundamentals of  
Speech DC

4.0 credits needed

#### MATHEMATICS

Math

Math

Math

AP Stats  
OR  
Q Lit AND Basic  
Stats DC

3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry

#### SOCIAL SCIENCE

Social Science  
\*recommended

Social Science  
\*recommended

US History OR  
American Studies

Civics  
&  
Economics

2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics

#### SCIENCE

Biology

Chemistry

Science Elective  
\*recommended

Science Elective  
\*recommended

2.0 credits needed

#### PHYSICAL EDUCATION

Freshmen Physical  
Education  
&  
Health

Physical Education  
And/OR  
Drivers Education

Physical Education  
Elective

Physical Education  
Elective

3.5 Physical  
Education credits  
needed, 0.5 Health  
credits needed

#### ELECTIVES

Art, Music, Language, or CTE

To increase employability in a global job market, students should enroll in a world language

7.0 credits needed



### Career-Related Activities for the Interior Design Pathway

- FCCLA
- SkillsUSA
- Drama Club
- Stage Crew
- Photography Club
- Yearbook Club
- National Art Honor Society
- Muses



### College Majors

- Interior Design
- Interior Architecture
- Architecture
- Fine Arts/Visual Arts
- Textile Design
- Industrial Design
- Environmental Design

Furniture Design  
Graphic Design



### Work-Based Learning Experiences

- Industry visits
- Internships



### Future Careers

- Interior Designer
- Residential Designer
- Commercial Designer
- Set Designer
- Staging Consultant

**9      10      11      12**

## MUSIC CAREERS

Freshmen Band  
OR Bel Canto OR  
Varsity Singers

Auditioned  
Ensemble Music  
Course  
Music in America  
(DC)

Auditioned  
Ensemble Music  
Course

Auditioned  
Ensemble Music  
Course  
AP Music Theory

### RELATED ELECTIVES

Eng: Media and Society; SS: Psychology, AP Psychology, Sociology;  
Elective: Digital Music Production 1&2, Introduction to Education/  
Clinical in Education

## SUGGESTED COURSE SEQUENCE

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

### GRADUATION REQUIREMENTS

#### ENGLISH

English

English

English

Media and Society

4.0 credits needed

#### MATHEMATICS

Math

Math

Math

AP Stats  
OR  
Q Lit AND Basic  
Stats DC

3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry

#### SOCIAL SCIENCE

Social Science  
\*recommended

Social Science  
\*recommended

US History OR  
American Studies

Civics  
&  
Economics

2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics

#### SCIENCE

Biology

Chemistry

Science Elective  
\*recommended

Science Elective  
\*recommended

2.0 credits needed

#### PHYSICAL EDUCATION

Freshmen Physical  
Education  
&  
Health

Physical Education  
And/OR  
Drivers Education

Physical Education  
Elective

Physical Education  
Elective

3.5 Physical  
Education credits  
needed, 0.5 Health  
credits needed

#### ELECTIVES

Art, Music, Language, or CTE

To increase employability in a global job market, students should enroll in a world language

7.0 credits needed



### Career-Related Activities for the Music Education Pathway

Band  
Choir  
Jazz Band  
Marching Band  
Gospel Choir



### College Majors

Conducting  
Ethnomusicology  
Film Scoring  
Jazz Studies  
Music  
Music Composition  
Music Education  
Music Industry  
Music Performance  
Music Production

Music Technology  
Music Therapy  
Sound Design



### Future Careers

Composer  
Conductor  
Musician  
Music Instructor  
Music Management  
Performer  
Performing Arts Educator  
Sound Designer

**9      10      11      12**

## TECHNICAL THEATRE

Theatre Tech  
and Design

Theatre Tech  
and Design

Theatre Tech  
and Design

Internship

Theatre Tech  
and Design

### RELATED ELECTIVES

SS: Psychology, AP Psychology, Sociology; Elective: Drawing 1 & 2, Painting 1 & 2, Technical Drafting 1&2

## SUGGESTED COURSE SEQUENCE

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

### GRADUATION REQUIREMENTS

#### ENGLISH

English

English

English

Comp 101 OR  
Sr English &  
Composition OR  
Fundamentals of  
Speech DC

4.0 credits needed

#### MATHEMATICS

Math

Math

Math

Pre Calculus DC  
Honors  
OR AP Calculus I/II  
OR AP Calculus III

3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry

#### SOCIAL SCIENCE

Social Science  
\*recommended

Social Science  
\*recommended

US History OR  
American Studies

Civics &  
Economics

2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics

#### SCIENCE

Biology

Chemistry

Science Elective  
\*recommended

Science Elective  
\*recommended

2.0 credits needed

#### PHYSICAL EDUCATION

Freshmen Physical  
Education &  
Health

Physical Education  
And/OR  
Drivers Education

Physical Education  
Elective

Physical Education  
Elective

3.5 Physical  
Education credits  
needed, 0.5 Health  
credits needed

#### ELECTIVES

Art, Music, Language, or CTE

To increase employability in a global job market, students should enroll in a world language

7.0 credits needed



### Career-Related Activities for the Theatre and Acting Pathway

- Drama Club
- Stage Crew
- Broadcasting Club
- Creative Writing Club
- Creative Media Club
- Muses
- Anime Club
- Photography Club
- Yearbook Club

Technical Theatre  
Theatre Arts  
Theatre Design and Technology  
Theatre Production  
Visual and Performing Arts

Theatre Electrician  
Video Designer  
Wardrobe Supervisor  
Wig and Hair Designer



### Future Careers

- Audio Engineer
- Carpenter (Theatre)
- Costume Designer
- Dramaturg
- Lighting Designer
- Makeup Artist
- Production Manager
- Properties (Props) Manager
- Scenic Artist
- Set Designer
- Sound Designer
- Special Effects Technician
- Stage Manager
- Technical Director



### College Majors

- Costume Design
- Lighting Design
- Production Management
- Scenic Design
- Sound Design
- Stage Management



# FINANCE AND BUSINESS

**9      10      11      12**

## BUSINESS MANAGEMENT

Introduction to Business & Personal Finance

Marketing 1 & Marketing 2

International Business & Entrepreneurship  
OR Business and Personal Law  
1 & 2

Intro to Business  
Dual Credit & Internship & AP  
Macroeconomics

### RELATED ELECTIVES

Eng: Media and Society; Mth: QLit/Basic Stats; SS: Psychology, AP Psychology, Sociology; Elective: Accounting 1, Intro to Graphic Design, Graphic Design Studies

## SUGGESTED COURSE SEQUENCE

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

### GRADUATION REQUIREMENTS

#### ENGLISH

English

English

English

Media and Society

4.0 credits needed

#### MATHEMATICS

Math

Math

Math

Pre Calculus DC Honors  
OR AP Calculus I/II  
OR AP Calculus III

3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry

#### SOCIAL SCIENCE

Social Science \*recommended

Social Science \*recommended

US History OR American Studies

Civics & Economics

2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics

#### SCIENCE

Biology

Chemistry

Science Elective \*recommended

Science Elective \*recommended

2.0 credits needed

#### PHYSICAL EDUCATION

Freshmen Physical Education & Health

Physical Education And/OR Drivers Education

Physical Education Elective

Physical Education Elective

3.5 Physical Education credits needed, 0.5 Health credits needed

#### ELECTIVES

Art, Music, Language, or CTE

To increase employability in a global job market, students should enroll in a world language

7.0 credits needed



### Career-Related Activities for the Business Management Pathway

BPA

Creative Media Club  
Creative Writing Club  
Photography Club  
Muses



### College Majors

Accounting  
Business Administration and Management  
Business Management and Economics  
Entrepreneurship and Small Business Operations  
Human Resources Management  
Logistics  
Management Information Systems  
Office Management and

Supervision  
Public Relations  
Advertising  
Applied Communications



### Work-Based Learning Experiences

Student-run virtual business  
Internships



### Future Careers

Accountant and Auditor  
Advertising Manager  
Computer and Information System Manager  
Financial Analyst  
Sales Manager  
Tax Preparer  
Treasurer and Controller

**9      10      11      12**

## FINANCE

Introduction to  
Business &  
Personal Finance

Accounting  
1/Honors  
Accounting 1

Accounting 2

Intro to  
Business DC &  
Internship & AP  
Macroeconomics

### RELATED ELECTIVES

Mth: QLit/Basic Stats; SS: AP Psychology, Psychology; Elective: Business & Personal Law 1 & 2, Entrepreneurship, International Business

### SUGGESTED COURSE SEQUENCE

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

### GRADUATION REQUIREMENTS

#### ENGLISH

English

English

English

Comp 101 OR  
Sr English &  
Composition OR  
Fundamentals of  
Speech DC

4.0 credits needed

#### MATHEMATICS

Math

Math

Math

Pre Calculus DC  
Honors  
OR AP Calculus I/II  
OR AP Calculus III

3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry

#### SOCIAL SCIENCE

Social Science  
\*recommended

Social Science  
\*recommended

US History OR  
American Studies

Civics  
&  
Economics

2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics

#### SCIENCE

Biology

Chemistry

Science Elective  
\*recommended

Science Elective  
\*recommended

2.0 credits needed

#### PHYSICAL EDUCATION

Freshmen Physical  
Education  
&  
Health

Physical Education  
And/OR  
Drivers Education

Physical Education  
Elective

Physical Education  
Elective

3.5 Physical  
Education credits  
needed, 0.5 Health  
credits needed

#### ELECTIVES

Art, Music, Language, or CTE  
To increase employability in a global job market, students should enroll in a world language

7.0 credits needed



#### Career-Related Activities for the Finance Pathway

BPA

Mathletes



#### College Majors

Actuarial Science

Banking and Financial Support Services

Business and Personal Financial Services

Marketing Operations

Credit Management

Financial Planning Services

Insurance

International Finance

Investments and Securities



#### Certifications

*Microsoft Excel certification*



#### Work-Based Learning Experiences

*Blackhawk Credit Union  
Internships*



#### Future Careers

*Accountant*

*Financial Advisor*

*Financial Manager*

*Credit Analyst*

*Investment Banking Analyst*



# HEALTH SCIENCES AND TECHNOLOGY (HST)

**9      10      11      12**

## ALLIED HEALTH

Introduction to  
Health Sciences

Health Science 1  
OR Medical  
Terminology (DC)

Health Science 2

Directed Studies  
& Internship  
& Anatomy &  
Physiology

### RELATED ELECTIVES

Mth: QLit and Basic Stats; SS: AP Psychology, Psychology, Sociology; SC: AP Biology, AP Chemistry, Physics, Forensic Science; PE: Mind and Body Wellness; Elective: Medical Literature and Research

## SUGGESTED COURSE SEQUENCE

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

### GRADUATION REQUIREMENTS

#### ENGLISH

English

English

English

Comp 101 OR  
Sr English &  
Composition OR  
Fundamentals of  
Speech DC

4.0 credits needed

#### MATHEMATICS

Math

Math

Math

Math Elective  
\*recommended

3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry

#### SOCIAL SCIENCE

Social Science  
\*recommended

Social Science  
\*recommended

US History OR  
American Studies

Civics  
&  
Economics

2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics

#### SCIENCE

Biology

Chemistry

Science Elective  
\*recommended

Science Elective  
\*recommended

2.0 credits needed

#### PHYSICAL EDUCATION

Freshmen Physical  
Education  
&  
Health

Physical Education  
And/OR  
Drivers Education

Physical Education  
Elective

Physical Education  
Elective

3.5 Physical  
Education credits  
needed, 0.5 Health  
credits needed

#### ELECTIVES

Art, Music, Language, or CTE  
To increase employability in a global job market, students should enroll in a world language

7.0 credits needed



### Career-Related Activities for the Allied Health Pathway

HOSA  
Empower Women of the Future  
BPA  
Scientific Research Club



### College Majors

Microcellular Biology  
Community Health and Preventive Medicine  
Dentistry  
Emergency Medical Technology  
Technician  
Health Informatics  
Medical Records  
Administration  
Medicine  
Nursing  
Pharmacy



### Certifications

BLS Provider



### Work-Based Learning Experiences

Job shadow rotation at VNA  
Internship at Rush Copley Hospital  
Internships

Nurse

Nursing Assistant

Occupational and Physical Therapist

Pharmacist

Pharmacy Technician

Physician Assistant

Physician-Doctor-Surgeon

Psychiatrist



### Future Careers

Dentist  
Dental Technician  
Dietitian and Nutritionist  
Emergency Medical Technicians and Paramedic  
Experiential Medical Physiology and Biochemistry  
Health Technologists and Technician  
Medical Records and Health Information Technician

**9      10      11      12**

## NURSING

Introduction to Health Sciences

Health Science 1  
OR Medical Terminology (DC)

Health Science 2  
& Advanced Topics in Medical Science (DC)

Certified Nursing Assistant & Anatomy & Physiology

### RELATED ELECTIVES

SS: AP Psychology, Psychology, Sociology; SC: AP Biology, AP Chemistry;  
PE: Hybrid PE, Mind and Body Wellness; Elective: Medical Literature and Research

### SUGGESTED COURSE SEQUENCE

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

### GRADUATION REQUIREMENTS

#### ENGLISH

English

English

English

Comp 101 OR Sr English & Composition OR Fundamentals of Speech DC

4.0 credits needed

#### MATHEMATICS

Math

Math

Math

Math Elective \*recommended

3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry

#### SOCIAL SCIENCE

Social Science \*recommended

Social Science \*recommended

US History OR American Studies

Civics & Economics

2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics

#### SCIENCE

Biology

Chemistry

Science Elective \*recommended

Science Elective \*recommended

2.0 credits needed

#### PHYSICAL EDUCATION

Freshmen Physical Education & Health

Physical Education And/OR Drivers Education

Physical Education Elective

Physical Education Elective

3.5 Physical Education credits needed, 0.5 Health credits needed

#### ELECTIVES

Art, Music, Language, or CTE  
To increase employability in a global job market, students should enroll in a world language

7.0 credits needed



### Career-Related Activities for the Nursing Pathway

- HOSA
- Empowered Women of the Future
- BPA
- Scientific Research Club
- Mental Health Awareness Club
- Above the Influence
- SAVE Club
- ASL Club
- Book Club



### College Majors

- Microcellular Biology
- Community Health and Preventive Medicine
- Dentistry
- Emergency Medical Technology
- Technician
- Health Informatics

Medical Records Administration Medicine Nursing Pharmacy



### Certifications

- BLS Provider
- IL Department of Public Health Certified Nurse Assistant



### Work-Based Learning Experiences

- Job shadow rotation at VNA
- Clinical experience at local nursing home



### Future Careers

- Dentist
- Dental Technician
- Dietitian and Nutritionist
- Emergency Medical Technicians and Paramedic
- Experiential Medical Physiology and Biochemistry
- Health Technologists and Technician
- Medical Records and Health Information Technician
- Nurse
- Nursing Assistant
- Occupational and Physical Therapist
- Pharmacist
- Pharmacy Technician
- Physician Assistant
- Physician-Doctor-Surgeon
- Psychiatrist

**9      10      11      12**

## PRE-MEDICINE

Introduction to Health Sciences

Health Science 1  
OR Medical Terminology (DC)

Health Science 2  
& Physics

Directed Studies  
OR CNA  
& Anatomy &  
Physiology

### RELATED ELECTIVES

SS: AP Psychology, Psychology, Sociology; SC: AP Biology, AP Chemistry;  
PE: Hybrid PE, Mind and Body Wellness; Elective: Medical Literature and Research

## SUGGESTED COURSE SEQUENCE

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

### GRADUATION REQUIREMENTS

#### ENGLISH

English

English

English

Comp 101 OR  
Sr English &  
Composition OR  
Fundamentals of  
Speech DC

4.0 credits needed

#### MATHEMATICS

Math

Math

Math

Pre Calculus DC  
Honors  
OR AP Calculus I/II  
OR AP Calculus III

3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry

#### SOCIAL SCIENCE

Social Science  
\*recommended

Social Science  
\*recommended

US History OR  
American Studies

Civics &  
Economics OR  
AP Government

2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics

#### SCIENCE

Biology

Chemistry

Science Elective  
\*recommended

Science Elective  
\*recommended

2.0 credits needed

#### PHYSICAL EDUCATION

Freshmen Physical Education  
& Health

Physical Education  
And/OR  
Drivers Education

Physical Education  
Elective

Physical Education  
Elective

3.5 Physical  
Education credits  
needed, 0.5 Health  
credits needed

#### ELECTIVES

Art, Music, Language, or CTE

To increase employability in a global job market, students should enroll in a world language

7.0 credits needed

### Career-Related Activities for the Pre-Medicine Pathway



- HOSA
- Mental Health Awareness Club
- Above the Influence Club
- FCCLA
- BPA

Nursing  
Pharmacy

Health Technologists and Technician  
Medical Records and Health Information Technician



### College Majors

- Microcellular Biology
- Community Health and Preventive Medicine
- Dentistry
- Emergency Medical Technology
- Technician
- Health Informatics
- Medical Records
- Administration
- Medicine



### Certifications

- BLS Provider
- IL Department of Public Health
- Certified Nurse Assistant

- Nurse
- Nursing Assistant
- Occupational and Physical Therapist
- Pharmacist



### Work-Based Learning Experiences

- Job shadow rotation at VNA
- Internship at Rush Copley Hospital

- Pharmacy Technician
- Physician Assistant
- Physician-Doctor-Surgeon
- Psychiatrist



### Future Careers

- Dentist
- Dental Technician
- Dietitian and Nutritionist
- Emergency Medical Technicians and Paramedic
- Experiential Medical Physiology and Biochemistry



# HUMAN AND PUBLIC SERVICES (HPS)

\*Students who successfully complete all elements of the Intro to Education and Clinicals in Education course, participate in required career development experiences, and meet academic readiness standards will qualify for a College and Career Pathway Endorsement in Education and are guaranteed an interview at West Aurora 129 after completion of their teacher licensure college program.

**9      10      11      12**

## EARLY CHILDHOOD /ELEMENTARY EDUCATION

Child Development

Early Childhood Education 1

Early Childhood Education 2

Intro to Education & Clinicals in Education

### RELATED ELECTIVES

Eng: Creative Writing; SS: Psychology, AP Psychology, Sociology;  
PE: Adapted PE Leaders, Hybrid PE, PE Leaders 1-3

## SUGGESTED COURSE SEQUENCE

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

### GRADUATION REQUIREMENTS

#### ENGLISH

English

English

Creative Writing

4.0 credits needed

#### MATHEMATICS

Math

Math

Math

Pre Calculus DC Honors  
OR AP Calculus I/II  
OR AP Calculus III

3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry

#### SOCIAL SCIENCE

Social Science  
\*recommended

Social Science  
\*recommended

US History OR  
American Studies

Civics & Economics  
OR AP Government

2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics

#### SCIENCE

Biology

Chemistry

Science Elective  
\*recommended

Science Elective  
\*recommended

2.0 credits needed

#### PHYSICAL EDUCATION

Freshmen Physical Education & Health

Physical Education And/OR Drivers Education

Physical Education Elective

Physical Education Elective

3.5 Physical Education credits needed, 0.5 Health credits needed

#### ELECTIVES

Art, Music, Language, or CTE  
To increase employability in a global job market, students should enroll in a world language

7.0 credits needed



### Career-Related Activities for the Early Childhood/Elementary Education Pathway

- Academic Challenge
- Educators Rising
- Mathletes
- Scholastic Bowl
- Book Club, Student Council
- ASL Club
- Empowered Women of the Future
- Black Student Union
- Alianza Hispana
- SkillsUSA



### College Majors

- Early Childhood Education
- Multicultural
- ESL Education
- Special Education
- Art, Music, Theater Education
- Sport and Fitness Management



### Certifications

- Gateways Level I



### Work-Based Learning Experiences

- Little Learners (student-run preschool)
- Clinicals in WA District 129 classrooms
- Mock interviews



### Future Careers

- Coach
- Education Administrator
- Elementary School Teacher
- Junior High Teacher
- Kindergarten Teacher
- Librarian
- ESL Teacher
- Preschool Teacher
- Special Education Teacher
- Teacher Assistant
- Vocational Education Teacher
- Art, Music Teacher

**9      10      11      12**

### SECONDARY EDUCATION / COACHING

Child Development

Officiating & Coaching

Intro to Education & Clinicals in Education

### RELATED ELECTIVES

SS: AP Psychology, Psychology, Sociology; PE: Adapted PE Leaders, Hybrid PE, PE Leaders 1-3;

### SUGGESTED COURSE SEQUENCE

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

### GRADUATION REQUIREMENTS

#### ENGLISH

English

English

Comp 101 OR  
Sr English &  
Composition OR  
Fundamentals of  
Speech DC

4.0 credits needed

#### MATHEMATICS

Math

Math

Math

Pre Calculus DC  
Honors  
OR AP Calculus I/II  
OR AP Calculus III

3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry

#### SOCIAL SCIENCE

Social Science  
\*recommended

Social Science  
\*recommended

US History OR  
American Studies

Civics &  
Economics OR  
AP Economics OR  
AP Government

2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics

#### SCIENCE

Biology

Chemistry

Science Elective  
\*recommended

Science Elective  
\*recommended

2.0 credits needed

#### PHYSICAL EDUCATION

Freshmen Physical  
Education &  
Health

Physical Education  
And/OR  
Drivers Education

Physical Education  
Elective

Physical Education  
Elective

3.5 Physical  
Education credits  
needed, 0.5 Health  
credits needed

#### ELECTIVES

Art, Music, Language, or CTE  
To increase employability in a global job market, students should enroll in a world language

7.0 credits needed



### Career-Related Activities for the Secondary Education / Coaching Pathway

- Academic Challenge
- Educators Rising
- Mathletes
- Scholastic Bowl
- Book Club
- Student Council
- ASL Club
- Empowered Women of the Future
- Black Student Union
- Alianza Hispana
- Yearbook Club
- Homework Club
- National Honor Society
- French Honor Society

### Spanish Honor Society

Spanish Club  
SkillsUSA



### College Majors

- Library Science
- Secondary Education
- Special Education
- Speech Language Pathology



### Certifications

Gateways Level I



### Work-Based Learning Experiences

- Clinicals in WA District 129 classrooms
- Mock interviews



### Future Careers

- Coach
- Education Administrator
- High School - Secondary Teacher
- Librarian
- ESL Teacher
- School Counselor
- Special Education Teacher
- Teaching Content Area
- Art, Music, Theater Teacher

**9      10      11      12**

## INTERNATIONAL RELATIONS

AP World History  
OR AP Human Geography & ANY World Language

AP Euro & World Language

APUSH & World Language

AP Macro &  
AP Gov &  
World Language & Internship

## RELATED ELECTIVES

SS: Any non-AP social studies correlated courses; Elective: Advanced Foods, International Business

## SUGGESTED COURSE SEQUENCE

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

## GRADUATION REQUIREMENTS

### ENGLISH

English

English

English

Comp 101 OR  
Sr English &  
Composition OR  
Fundamentals of  
Speech DC

4.0 credits needed

### MATHEMATICS

Math

Math

Math

Pre Calculus DC  
Honors  
OR AP Calculus I/II  
OR AP Calculus III

3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry

### SOCIAL SCIENCE

Social Science  
\*recommended

Social Science  
\*recommended

US History OR  
American Studies

Civics &  
Economics

2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics

### SCIENCE

Biology

Chemistry

Science Elective  
\*recommended

Science Elective  
\*recommended

2.0 credits needed

### PHYSICAL EDUCATION

Freshmen Physical Education & Health

Physical Education And/OR Drivers Education

Physical Education Elective

Physical Education Elective

3.5 Physical Education credits needed, 0.5 Health credits needed

### ELECTIVES

Art, Music, Language, or CTE

To increase employability in a global job market, students should enroll in a world language

7.0 credits needed



## Career-Related Activities for the International Relations Pathway

Alianza Hispana  
French Club  
French Honor Society  
Global Minds  
Saving Our World  
Spanish Club  
Spanish Honor Society  
World Relief Homework Club



## College Majors

International Studies  
Intercultural Communication  
Comparative Politics  
Political Science  
World Language  
International Business  
Anthropology

Sociology  
Global Studies  
History  
Geography  
Religious Studies  
International Law



## Certifications

TESOL  
PMP (Project Management Professional)  
Cybersecurity Certification  
ECIS International Teacher Certificate



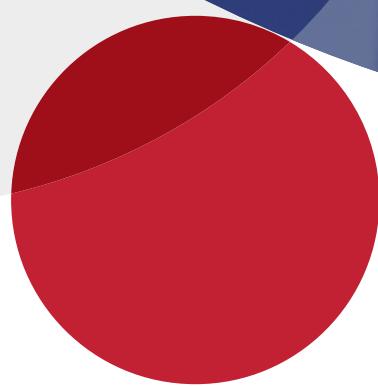
## Work-Based Learning Experiences

NGO Internship/Volunteer  
World Relief  
Study Abroad



## Future Careers

US State Department  
US Military  
Teaching English  
World Bank  
International Monetary Fund  
World Trade Organization  
Journalism  
Media  
Humanitarian work  
Peace Corps  
Amnesty International  
Political Consultant  
Intelligence Specialist  
Interpreter  
Language Specialist  
Translator  
International Business  
International Law  
Historian



# INFORMATION TECHNOLOGY (IT)

**9      10      11      12**

## COMPUTER SCIENCE

Intro to Coding  
and App  
Development *OR*  
Blackhawk  
Technical  
Support

AP Computer  
Science A Honors

Cybersecurity  
Honors

Internship

## RELATED ELECTIVES

Elective: Animation

## SUGGESTED COURSE SEQUENCE

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

## GRADUATION REQUIREMENTS

### ENGLISH

English

English

4.0 credits needed

### MATHEMATICS

Math

Math

Pre Calculus DC  
Honors  
*OR* AP Calculus I/II  
*OR* AP Calculus III

3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry

### SOCIAL SCIENCE

Social Science  
\*recommended

Social Science  
\*recommended

US History *OR*  
American Studies

Civics &  
Economics *OR*  
AP Economics

2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics

### SCIENCE

Biology

Chemistry

Science Elective  
\*recommended

Science Elective  
\*recommended

2.0 credits needed

### PHYSICAL EDUCATION

Freshmen Physical  
Education &  
Health

Physical Education  
*And/OR*  
Drivers Education

Physical Education  
Elective

Physical Education  
Elective

3.5 Physical  
Education credits  
needed, 0.5 Health  
credits needed

### ELECTIVES

Art, Music, Language, or CTE  
To increase employability in a global job market, students should enroll in a world language

7.0 credits needed



### Career-Related Activities for the Computer Science Pathway

Academic Challenge  
BPA  
SkillsUSA  
StellarXplorers  
Engineering Club  
Broadcasting Club  
Creative Media Club  
Engineering Club  
Puzzle Game Club  
Scientific Research Club



### Certifications

CompTIA A+  
Network+  
Security+



### Work-Based Learning Experiences

WA District 129 chromebook repair  
Internships



### Future Careers

Computer and Information Research  
Scientist and System Manager  
Computer Network Architect and Support Specialist  
Computer Programmer  
Computer Systems Analyst  
Computer User Support Specialist  
Network and Computer Systems or Database Administrator



### College Majors

Computer Engineering  
Computer Information Systems  
Computer Science  
Information Technology  
System Administration  
Web Page-Multimedia



## **MANUFACTURING, ENGINEERING, TECHNOLOGY, AND TRADES (METT)**

**9      10      11      12**

## ARCHITECTURE AND CONSTRUCTION - BUILDING TRADES

Exploring  
Technical  
Careers

Building Trades  
1

Building Trades  
2

Internship

### RELATED ELECTIVES

PE: Hybrid PE; Elective: Technical Drafting 1 & 2

## SUGGESTED COURSE SEQUENCE

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

### GRADUATION REQUIREMENTS

#### ENGLISH

English

English

English

Comp 101 OR  
Sr English &  
Composition OR  
Fundamentals of  
Speech DC

4.0 credits needed

#### MATHEMATICS

Math

Math

Math

Technical Math

3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry

#### SOCIAL SCIENCE

Social Science  
\*recommended

Social Science  
\*recommended

US History *OR*  
American Studies

Civics &  
Economics *OR*  
AP Economics *OR*  
AP Government

2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics

#### SCIENCE

Biology

Chemistry

Science Elective  
\*recommended

Science Elective  
\*recommended

2.0 credits needed

#### PHYSICAL EDUCATION

Freshmen Physical  
Education &  
Health

Physical Education  
*And/OR*  
Drivers Education

Physical Education  
Elective

Physical Education  
Elective

3.5 Physical  
Education credits  
needed, 0.5 Health  
credits needed

#### ELECTIVES

Art, Music, Language, or CTE

To increase employability in a global job market, students should enroll in a world language

7.0 credits needed



### Career-Related Activities for the Architecture & Construction - Building Trades Pathway

- Building Trades Club
- Automotive Club
- Engineering Club
- StellarXplorer Club
- Scientific Research Club
- SkillsUSA
- Welding and Machine Manufacturing Club



### College Majors/ Apprenticeship Programs

- Construction Management
- Construction Engineering Technology
- Energy Management and Systems Technology
- Heating, Air Conditioning and Refrigeration Technology

IBEW International Brotherhood of Electrical Workers

Mid-America Carpenters Regional Council

Plumbers and Tech Engineers Local 130

International Union of Operating Engineers Local 150

OPCMIA Local 18 Operative Plasterers' and Cement Masons International Association

Bricklayers and Allied Craftworkers #6

Illinois Laborers' and Contractors Program

Painters Union

Millwrights Union

Roofers and Waterproofers

Sheet Metal Workers #219



### Work-Based Learning Experiences

- Industry visits
- Internships
- Mock interviews



### Future Careers

- Architectural Engineering Technician
- Building/Construction Finishing, Management and Inspection
- Civil Engineering Technology Technician
- Drafting CAD/CADD
- Electrician
- Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technician
- Carpenter
- Plumber



### Certifications

OSHA-10 Safety Certification

**9      10      11      12**

### ARCHITECTURE AND CONSTRUCTION - DESIGN

Exploring  
Technical  
Careers

Technical  
Drafting 1  
& Technical  
Drafting 2

Technical  
Drawing  
& AutoCAD 2D

Advanced 2D  
CAD/AutoCAD  
3-D

#### RELATED ELECTIVES

SS: AP Psychology, Psychology; Elective: Interior Design

### SUGGESTED COURSE SEQUENCE

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

#### GRADUATION REQUIREMENTS

##### ENGLISH

English

English

Comp 101 OR  
Sr English &  
Composition OR  
Fundamentals of  
Speech DC

4.0 credits needed

##### MATHEMATICS

Math

Math

Math

Technical Math

3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry

##### SOCIAL SCIENCE

Social Science  
\*recommended

Social Science  
\*recommended

US History OR  
American Studies

Civics &  
Economics OR  
AP Economics OR  
AP Government

2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics

##### SCIENCE

Biology

Chemistry

Science Elective  
\*recommended

Science Elective  
\*recommended

2.0 credits needed

##### PHYSICAL EDUCATION

Freshmen Physical  
Education &  
Health

Physical Education  
And/OR  
Drivers Education

Physical Education  
Elective

Physical Education  
Elective

3.5 Physical  
Education credits  
needed, 0.5 Health  
credits needed

##### ELECTIVES

Art, Music, Language, or CTE  
To increase employability in a global job market, students should enroll in a world language

7.0 credits needed



#### Career-Related Activities for the Architecture & Construction - Design Pathway

- Building and Trades Club
- Engineering Club
- StellarXplorer Club
- Scientific Research Club
- SkillsUSA
- Creative Media Club
- Welding and Machine Manufacturing Club



#### Work-Based Learning Experiences

*Internships*



#### Future Careers

- Architect
- Civil Draftsman
- Civil Engineering Technician
- Electrical and Electronics Draftsman
- Engineering Technician
- Interior Designer
- Landscape Architect
- Mechanical Draftsman



#### College Majors Programs

- Architectural Studies
- Architectural Engineering
- Industrial Design
- Interior Design
- Architectural CAD Certificate
- Civil Engineering

**9      10      11      12**

**ARCHITECTURE  
AND  
CONSTRUCTION  
- FINISHED  
CARPENTRY**

Exploring  
Technical  
Careers

Woods 1

Woods 2

Internship

**RELATED ELECTIVES**

Elective: Interior Design

**SUGGESTED COURSE SEQUENCE**

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

**GRADUATION  
REQUIREMENTS**

**ENGLISH**

English

English

English

Comp 101 OR  
Sr English &  
Composition OR  
Fundamentals of  
Speech DC

4.0 credits needed

**MATHEMATICS**

Math

Math

Math

Technical Math

3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry

**SOCIAL SCIENCE**

Social Science  
\*recommended

Social Science  
\*recommended

US History OR  
American Studies

Civics &  
Economics OR  
AP Economics OR  
AP Government

2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics

**SCIENCE**

Biology

Chemistry

Science Elective  
\*recommended

Science Elective  
\*recommended

2.0 credits needed

**PHYSICAL  
EDUCATION**

Freshmen Physical  
Education &  
Health

Physical Education  
And/OR  
Drivers Education

Physical Education  
Elective

Physical Education  
Elective

3.5 Physical  
Education credits  
needed, 0.5 Health  
credits needed

**ELECTIVES**

Art, Music, Language, or CTE  
To increase employability in a global job market, students should enroll in a world language

7.0 credits needed



**Career-Related Activities  
for the Architecture &  
Construction - Finished  
Carpentry Pathway**

*Building and Trades Club  
SkillsUSA  
Welding and Machine  
Manufacturing Club*



**Work-Based Learning  
Experiences**

*Internships*



**Future Careers**

*Finish Carpenter  
Trim Carpenter  
Furniture Builder  
Cabinetmaker  
Cabinet Designer  
Cabinet Sales*



**College Majors/  
Apprenticeship Programs**

*Cabinetmaking & Millwork  
Carpentry  
Construction Management  
Construction Technology  
Carpenters Union*

**9      10      11      12**

## AUTOMOTIVE TECHNOLOGY

Exploring Technical Careers

Automotive Technology 1

Automotive Technology 2

Internship

### RELATED ELECTIVES

PE: Hybrid PE

## SUGGESTED COURSE SEQUENCE

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

### GRADUATION REQUIREMENTS

#### ENGLISH

English

English

English

Comp 101 OR  
Sr English &  
Composition OR  
Fundamentals of  
Speech DC

4.0 credits needed

#### MATHEMATICS

Math

Math

Math

Technical Math

3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry

#### SOCIAL SCIENCE

Social Science  
\*recommended

Social Science  
\*recommended

US History OR  
American Studies

Civics &  
Economics OR  
AP Economics OR  
AP Government

2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics

#### SCIENCE

Biology

Chemistry

Science Elective  
\*recommended

Science Elective  
\*recommended

2.0 credits needed

#### PHYSICAL EDUCATION

Freshmen Physical Education & Health

Physical Education And/OR Drivers Education

Physical Education Elective

Physical Education Elective

3.5 Physical Education credits needed, 0.5 Health credits needed

#### ELECTIVES

Art, Music, Language, or CTE

To increase employability in a global job market, students should enroll in a world language

7.0 credits needed



### Career-Related Activities for the Automotive Technology Pathway

Automotive Club  
SkillsUSA  
Engineering Club  
Welding and Machine Manufacturing Club



### Work-Based Learning Experiences

Internships



### Future Careers

Aircraft Maintenance Technician  
Auto Body, Collision and Related Repairs  
Automotive Service Technician and Mechanic  
Automotive Specialty Technician  
Bus and Truck Mechanics  
Diesel Engine Specialist  
Engine and Other Machine Assembler  
Installation, Maintenance, and Repair Worker



### College Majors Programs

Auto Body  
Collision and Repair Technicians  
Automotive Technology  
Diesel Mechanics Technology



### Certifications

S/P2 Safety Certification

**9      10      11      12**

## ENGINEERING

Introduction  
to Engineering  
Design

Principles of  
Engineering

Civil Engineering  
and Architecture  
& AP Physics 1

Engineering  
Design and  
Development

## RELATED ELECTIVES

SS: AP Psychology, Psychology; SC: AP Physics 2; PE: AFJROTC

## SUGGESTED COURSE SEQUENCE

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

## GRADUATION REQUIREMENTS

### ENGLISH

English

English

Comp 101 OR  
Sr English &  
Composition OR  
Fundamentals of  
Speech DC

4.0 credits needed

### MATHEMATICS

Math

Math

Pre Calculus DC  
Honors OR  
AP Calculus I/II OR  
AP Calculus III

3.0 credits needed  
\*Including one credit of Algebra  
1 and one credit of Geometry

### SOCIAL SCIENCE

Social Science  
\*recommended

Social Science  
\*recommended

US History OR  
American Studies

Civics &  
Economics

2.0 credits needed  
\*Must include one year of U.S.  
History, Civics and Economics

### SCIENCE

Biology

Chemistry

Science Elective  
\*recommended

Science Elective  
\*recommended

2.0 credits needed

### PHYSICAL EDUCATION

Freshmen Physical  
Education  
&  
Health

Physical Education  
And/OR  
Drivers Education

Physical Education  
Elective

Physical Education  
Elective

3.5 Physical  
Education credits  
needed, 0.5 Health  
credits needed

### ELECTIVES

Art, Music, Language, or CTE

To increase employability in a global job market, students should enroll in a world language

7.0 credits needed



### Career-Related Activities for the Engineering Pathway

- StellarXplorers
- Engineering Club
- Welding and Machine Manufacturing Club
- Automotive Club
- Building and Trades Club
- Scientific Research Club
- SkillsUSA



### College Majors Programs

- Aerospace Engineering
- Agricultural Engineer
- Biomedical Engineering
- Chemical Engineer
- Civil Engineer
- Electrical Engineer
- Engineering Technician

Industrial Engineer  
Mechanical Engineer  
Nuclear Engineer



### Work-Based Learning Experiences

Industry visits



### Future Careers

- Aerospace Engineer
- Agricultural Engineer
- Biomedical Engineer
- CAD Engineer
- Chemical Engineer
- Civil Engineer
- Draftsman
- Electrical Engineer
- Engineering Technician
- Industrial Engineer
- Mechanical Engineer
- Nuclear Engineer

**9****10****11****12****MANUFACTURING - MACHINING**

Exploring Technical Careers

Precision Machining &amp; Manufacturing 1 OR Technical Drafting 1 &amp; 2

Precision Machining &amp; Manufacturing 2

Internship

**RELATED ELECTIVES**

PE: Hybrid PE; Elective: Welding 1

**SUGGESTED COURSE SEQUENCE***\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING***9****10****11****12****GRADUATION REQUIREMENTS****ENGLISH**

English

English

English

Comp 101 OR Sr English &amp; Composition OR Fundamentals of Speech DC

4.0 credits needed

**MATHEMATICS**

Math

Math

Math

Technical Math

3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry**SOCIAL SCIENCE**

Social Science \*recommended

Social Science \*recommended

US History OR American Studies

Civics &amp; Economics OR AP Economics OR AP Government

2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics**SCIENCE**

Biology

Chemistry

Science Elective \*recommended

Science Elective \*recommended

2.0 credits needed

**PHYSICAL EDUCATION**

Freshmen Physical Education &amp; Health

Physical Education And/OR Drivers Education

Physical Education Elective

Physical Education Elective

3.5 Physical Education credits needed, 0.5 Health credits needed

**ELECTIVES**

Art, Music, Language, or CTE

To increase employability in a global job market, students should enroll in a world language

7.0 credits needed

**Career-Related Activities for the Manufacturing - Machining Pathway**

- StellarXplorers
- Engineering Club
- Welding and Machine Manufacturing Club
- Automotive Club
- Building and Trades Club
- Scientific Research Club
- SkillsUSA

**College Majors Programs**

- Electronic Equipment Installation
- Industrial Production Technologies
- Machine Tool Technologies
- Nuclear Power Technologies
- Sheet Metal Technology
- Tool and Die Technology
- Welding Technology

**Woodworking Millwrights Union****Certifications**

- Industry visits
- Internships
- Mock Interviews

**Work-Based Learning Experiences**

- Industry visits
- Internships
- Mock Interviews

**Future Careers**

- Chemical Equipment Operator
- Civil Engineering Technician
- Computer Numerical Control Operator
- Computer-Controlled Machine Tool Operator

*Construction and Related Worker  
Electrical Engineering Technician  
Engineering Technician, Except Drafter*

*Installation, Maintenance and Repair Worker*

*Industrial Engineering Technician  
Machinist*

*Mechanical Engineering Technician  
Occupational Health and Safety Specialist*

*Tool and Die Maker*

*Welding, Soldering and Brazing  
Machine Setter, Operators and Tender  
Woodworker*

**9      10      11      12**

## MANUFACTURING - WELDING

Exploring  
Technical  
Careers

Welding 1

Welding 2

Internship

### RELATED ELECTIVES

PE: Hybrid PE; Elective: Welding 1

## SUGGESTED COURSE SEQUENCE

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

GRADUATION  
REQUIREMENTS

### ENGLISH

English

English

English

Comp 101 OR  
Sr English &  
Composition OR  
Fundamentals of  
Speech DC

4.0 credits needed

### MATHEMATICS

Math

Math

Math

Technical Math

3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry

### SOCIAL SCIENCE

Social Science  
\*recommended

Social Science  
\*recommended

US History OR  
American Studies

Civics &  
Economics OR  
AP Economics OR  
AP Government

2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics

### SCIENCE

Biology

Chemistry

Science Elective  
\*recommended

Science Elective  
\*recommended

2.0 credits needed

### PHYSICAL EDUCATION

Freshmen Physical  
Education &  
Health

Physical Education  
And/OR  
Drivers Education

Physical Education  
Elective

Physical Education  
Elective

3.5 Physical  
Education credits  
needed, 0.5 Health  
credits needed

### ELECTIVES

Art, Music, Language, or CTE

To increase employability in a global job market, students should enroll in a world language

7.0 credits needed



### Career-Related Activities for the Manufacturing - Welding Pathway

Welding and Machine  
Manufacturing Club  
SkillsUSA



### Certifications

OSHA-10 Safety Certification



### College Majors Programs

Maintenance Mechanic  
Maintenance Technology  
Manufacturing Production  
Welding Technology  
Pipefitters Union  
Boilermakers Union  
Sheet Metal Workers Union  
Ironworkers Union  
Millwrights Union



### Work-Based Learning Experiences

Industry visits  
Internships  
VALEES Welding Competition  
Mock interviews



### Future Careers

Fabricator  
Manufacturing Production  
Operator  
Maintenance Mechanic  
Welder

**9      10      11      12**

### SCIENCE CAREERS

Honors Biology

Honors Chemistry

AP Physics

Researched  
Based Internship  
OR AP Science  
Class

### RELATED ELECTIVES

SS: Psychology, AP Psychology, Sociology; SC: Anatomy and Physiology, Animal Behavior, AP Biology, AP Chemistry, AP Environmental Science, AP Physics 2, Astronomy, Investigating Earth Systems; Elective: Introduction to Engineering

### SUGGESTED COURSE SEQUENCE

\*VARYING LEVELS MAY EXIST WITHIN EACH COURSE OFFERING

**9**

**10**

**11**

**12**

### GRADUATION REQUIREMENTS

#### ENGLISH

English

English

Comp 101 OR  
Sr English &  
Composition OR  
Fundamentals of  
Speech DC

4.0 credits needed

#### MATHEMATICS

Math

Math

Pre Calculus DC  
Honors OR  
AP Calculus I/II OR  
AP Calculus III

3.0 credits needed  
\*Including one credit of Algebra 1 and one credit of Geometry

#### SOCIAL SCIENCE

Social Science  
\*recommended

Social Science  
\*recommended

US History OR  
American Studies

Civics &  
Economics

2.0 credits needed  
\*Must include one year of U.S. History, Civics and Economics

#### SCIENCE

Biology

Chemistry

Science Elective  
\*recommended

Science Elective  
\*recommended

2.0 credits needed

#### PHYSICAL EDUCATION

Freshmen Physical  
Education &  
Health

Physical Education  
And/OR  
Drivers Education

Physical Education  
Elective

Physical Education  
Elective

3.5 Physical  
Education credits  
needed, 0.5 Health  
credits needed

#### ELECTIVES

Art, Music, Language, or CTE  
To increase employability in a global job market, students should enroll in a world language

7.0 credits needed



#### Career-Related Activities for the Science Careers Pathway

Exemplary Student Research  
Program with Argonne National  
Laboratory  
Science Research Club  
International Student Science Fair  
Manitoba Student Summit  
Exchange Program



#### College Majors Programs

Chemistry  
Biology  
Environmental Science  
Physics  
Forensic Science



#### Future Careers

Chemist  
Astronomer  
Astrophysicist  
Biologist  
Botanist  
Ecologist  
Geneticist  
Geologist  
Geophysicist  
Marine Scientist  
Nuclear Chemist/Technician  
Science Teacher  
Scientist  
Zoologist



#### Work-Based Learning Experiences

International Student Science Fair  
Exemplary Student Research  
Program with Argonne National  
Laboratory



# COURSE DESCRIPTIONS

# CAREER & TECHNICAL EDUCATION

## BUSINESS EDUCATION

### ACCOUNTING 1: CT233Y

**Open to:** 10, 11, 12    **Length:** 1 year    **Credit:** 1

**Prerequisite:** None

Students will learn to apply basic accounting principles as they complete financial records for a sole proprietorship, a partnership, and a corporation. Emphasis will be on understanding the complete accounting cycle, accounting terminology, and the importance of accurate financial records in a profitable and successful business enterprise. Career opportunities in the field of accounting will be an integral part of the instruction.

### ACCOUNTING 1 HONORS: CT234Y

**Open to:** 10, 11, 12    **Length:** 1 year    **Credit:** 1

**Prerequisite:** None

Students study the basic accounting principles covered in Accounting 1 at an accelerated pace. In addition, students will: (1) learn to use specialized computer software to solve accounting problems, (2) complete a minimum of two comprehensive, computer-based accounting simulations, (3) be responsible for independent exploration of accounting career opportunities, and (4) apply advanced mathematical concepts to the solution of business accounting problems. Students that are successful in this course typically completed Algebra 1 with a "B" or better.

### ACCOUNTING 2: ACCOUNTING FOR DECISIONMAKING: CT358Y

**Open to:** 11, 12    **Length:** 1 year    **Credit:** 1

**Prerequisite:** Accounting 1 or Accounting Honors

Accounting 2 builds upon the foundation established in Accounting 1, with emphasis on specialized accounting topics, and financial statement analysis, business decision-making, and budgeting using accounting data. Students will develop deeper knowledge of the principles of accounting with more emphasis being placed on the use of accounting data to solve business problems. Students will become familiar with such specialized fields of accounting as cost accounting, tax accounting, and others.

### BLACKHAWK TECHNICAL SUPPORT: CT320Y

**Open to:** 9, 10, 11, 12    **Length:** 1 year    **Credit:** 1

**Prerequisite:** None

Blackhawk Technical Service (BTS) will offer students various technology-based assignments along with hands-on learning through Chromebook repair. Students will repair everyday breaks on the district Chromebooks. Students will troubleshoot devices, diagnose, repair, and return the device. Students will also be expected to complete assignments on various technology platforms when not repairing. These can include Google Suite assignments, programming, and CompTIA IT Fundamentals certifications.

### BUSINESS AND PERSONAL LAW 1: CT363F

**Open to:** 11, 12    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** None

This introductory law class focuses on ethics and the law, the sources of the law, the structure of our court systems, civil law versus criminal law, the various types of torts and crimes, and contract law. Students develop stronger skills in the areas of reading and writing, persuasive and public speaking, critical thinking, and research and analysis through course work and participation in a mock trial.

### BUSINESS AND PERSONAL LAW 2: CT364S

**Open to:** 11, 12    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** None

This second semester of law further examines contract law as it applies to the law of sales, consumer law, agency law, employment law, property law, and banking law. Students will continue to develop skills in the areas of reading and writing, persuasive and public speaking, critical thinking, and research and analysis through course work and participation in mock trials.

### AP COMPUTER SCIENCE A - HONORS: CCCT320Y

**Open to:** 10, 11, 12    **Length:** 1 year    **Credit:** 1

**Prerequisite:** None

Computer Science A (CSA) aligns with the CSA framework of the College Boards. Students learn Java and authentic Android TM app development. The students in this course continue to hone their communication and collaboration skills while learning to use a variety of tools. The primary goal of the course is to create independent-thinking app developers. Every unit in this course builds on the students' prior knowledge and skills until they are able to complete an app development cycle independently from the ground up. This course satisfies one year of the math graduation requirement.

### CYBERSECURITY HONORS: CCCT420Y

**Open to:** 11, 12    **Length:** 1 year    **Credit:** 2

**Prerequisite:** Computer Science A

Identify cybersecurity threats and protect against them. Detect intrusions and respond to attacks. Begin to examine one's digital footprint and better defend personal data. Learn how organizations protect themselves in today's world. Whether seeking a career in the growing field of cybersecurity or learning to defend their own personal data or a company's data, students in Cybersecurity establish an ethical code of conduct while learning to defend data in today's complex cyber-world. Students will apply their learning at the end of this course to breach and defend a network in a blue team/red team scenario.

### ENTREPRENEURSHIP: CT365S

**Open to:** 10, 11, 12    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** None

If you have ever dreamed of owning your own business, this course can help you. Creating and operating a small business requires hard work. You will explore the nature of entrepreneurship and what makes a successful entrepreneur. You will be collaborating ideas, writing a business plan and exploring strategies for purchasing, pricing, selling, promotion, financing, and staffing.

### INTRODUCTION TO CODING AND APP DEVELOPMENT: CT143Y

**Open to:** 9, 10, 11, 12    **Length:** 1 year    **Credit:** 1

**Prerequisite:** None

The students will build their first app in the first week of the course using the same tools that developers use to build apps that are running on iOS devices. The students will learn how to construct and apply each element of a mobile app, including views and view controllers, object-oriented principles and much more while writing code in Swift.

### INTERNATIONAL BUSINESS: CT366F, CT367S

**Open to:** 10, 11, 12    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** None

This course is designed to relate marketing, business, management and economic principles to the interdependence of nations all over the globe. The content areas are designed to develop the appreciation, knowledge, skills, and abilities needed to live and work in a global marketplace. The students will develop an understanding of how cultural values and expectations affect the interactions between businesses dealing globally. The class will provide the students with opportunities to explore careers in international business. The development of an international business plan will also be an integral part of this course.

### INTRODUCTION TO BUSINESS: CT101F

**Open to:** 9, 10, 11, 12    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** None

Introduction to Business explores the role and purpose of business in our economic system with an emphasis on what everyone should know to function effectively as a consumer and an entrepreneur in a free-enterprise economy. Units will include starting a business, marketing, accounting, business law, management, and technology in business. Students will participate in a semester-long project where they apply material learned in each unit to their own simulated business.

### PERSONAL FINANCE: CT102S

**Open to:** 9, 10, 11, 12    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** None

Personal Finance covers managing your money as well as saving and investing. The class encompasses budgeting, banking, insurance, mortgages, investments, retirement planning, auto loans, taxation and responsible use of credit cards. Students will learn money-saving techniques and budgeting skills as well as the importance of time management and daily routines in order to provide students with the knowledge and skills to manage financial resources effectively for a lifetime of financial well-being.

### MARKETING 1: CT235F

**Open to:** 10, 11, 12    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** None

Students will explore the world of marketing in today's globally competitive marketplace. Content includes examining how marketing impacts society, the basics of marketing, marketing for E-Commerce, developing the promotional mix and using marketing research.

### MARKETING 2: CT235F

**Open to:** 10, 11, 12    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** Marketing 1

This course begins by reviewing the marketing concepts and interpersonal skills vital for a career in marketing and management. Units of study include developing marketing strategies, determining the best price, developing the promotional mix (advertising and sales promotion, developing new products and selling to satisfy the customer). Student's projects include developing sales presentations, creating promotional materials and planning products and packaging.

### INTRODUCTION TO BUSINESS - DUAL CREDIT: CTDC500Y

**Open to:** 11, 12    **Length:** 1 year    **Credit:** 1

**Prerequisite:** 2 years of business courses or recommendation of teacher

Intro to Business Dual Credit is a business capstone course that operates as a business environment. Students will be involved in every aspect of creating and running the business including sales, marketing, accounting, operations, professional development, etc. In this collaborative environment, students will develop initiative, creativity, responsibility, and oral and written communication skills. In addition, this course enables participants to experience careers, acquire global economic knowledge, develop interpersonal and organizational skills, utilize technology as applied in business and gain a clear understanding of the business/employer relationship. Successful completion of this course will provide the students 3 semester hours of Waubonsee Community College credit: Introduction to Business class

## HEALTH SCIENCES

### ADVANCED TOPICS IN MEDICAL SCIENCE: HA313Y

**Open to:** 11    **Length:** 1 year    **Credit:** 1

**Prerequisite:** Concurrent with Health Science 2

This course is for students in the Health Sciences Career Academy. This is an integrated science course that expands and develops student's skills and knowledge in the content area of biology, chemistry, physics and environmental science with a focus on topics that are deeply embedded in health care. This course has six thematic units including kinesiology and sports medicine, genetic disorders and gene therapeutics, biotechnology and bioethics, cell biology and cancer, microbiology and infectious disease, and environmental issues and public health. The lab based curriculum develops inquiry skills, and projects, discussion and activities develop interpersonal skills. Field trips investigate wastewater treatment and monitor water quality in local waterways.

### ANATOMY AND PHYSIOLOGY: HA420Y

**Open to:** 12    **Length:** 1 year    **Credit:** 1

**Prerequisite:** None

This lab-oriented course is designed for students in the Health Sciences Career Academy. Content includes the structure and function of the human body. This course gives a detailed overview of the eleven major body systems through lecture, lab and field trips. A lab fee is required.

### DIRECTED STUDY IN HEALTH SCIENCE: HA425Y

**Open to:** 12    **Length:** 1 year    **Credit:** 1

**Prerequisite:** None

The VALEES Directed Study Program is designed for students interested in pursuing careers in health-related occupations that have completed or are completing course work in an approved program at their high school and/or area vocational center. Students enrolled in this program have the opportunity to participate in advanced learning and experiences in health occupations provided through private or public sector internships or community college course work supported by the local school Health Sciences teacher to address individual student career goals. Credit may vary based upon the amount of time the student spends in an approved activity consistent with their school's criteria for awarding credit. Students enrolled in community college programs may earn both secondary and community college credit. Note: Transportation required for participation in this program is the responsibility of the student. In many cases, regular schedules will have to be adjusted to allow for participation and travel times, if activities are scheduled during regular school hours.

### HEALTH SCIENCE 1: HA201Y

**Open to:** 10    **Length:** 1 year    **Credit:** 1

**Prerequisite:** None

This course provides students with background information on health care and begins to expose students to different health careers through guest speakers, field trips, and job shadowing experiences. Some topics include the history of health care, roles and responsibilities of health care workers, microorganisms, genetics, common diseases, introduction to medical terminology and human anatomy.

### HEALTH SCIENCE 2: HA307Y

**Open to:** 11    **Length:** 1 year    **Credit:** 1

**Prerequisite:** None

This course continues to explore health careers and begins to develop specific health care skills and general job-related skills. Some topics include: growth and development, teamwork, use of technology, nutritional analysis, vital signs, basic anatomy/physiology and focusing on diseases and medical terminology.



## **HEALTH SCIENCE 3-BASIC NURSE ASSISTANT TRAINING: CCHA423F, CCHA424S**

**Open to:** 12      **Length:** 1 semester      **Credit:** 1

**Prerequisite:** Successful completion of competencies in Health Sciences 2 courses as determined by the instructor

This course is designed to prepare students to function in the role of nurse assistant in a variety of health care settings. Content includes basic nursing procedures, food services, body mechanics, safety measures, special treatments, communication skills, and care of residents/patients with Alzheimer's disease and related dementias. Clinical experiences are provided in long-term care facilities. The Basic Nursing Assistant Program is structured to prepare the student for employment as a Certified Nursing assistant (CNA). The curriculum includes all standards and procedures contained in the IDPH Certified Nurse Aide Instruction Manual. The State Nurse Assisting Competency Examination can be taken with the successful completion of the 80+ hours of the theory portion of this class and the completion of 40+ hours of on-site clinical experience at a local nursing facility. In addition a valid social security number is required at the time of enrollment. All students enrolled in the course are required by the IDPH to have a background check, drug screen and 2-step test for tuberculosis prior to the start of the first clinical.

## **INTRODUCTION TO HEALTH SCIENCES: CT171Y**

**Open to:** 9, 10, 11, 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** None

The course will provide in-depth information about 5 health occupations career pathways: Biotechnology (Medical Scientist, Biomedical Engineers, etc.), Support Services (Phlebotomists, Pharmacy Aides, Veterinary Assistants, etc.), Health Informatics (Health Information Technicians, Medical Transcriptionists, etc.), Diagnostic Services (Radiologic Technician, Surgical Assistant, Veterinary Technologists, etc.) and Therapeutic Services (Athletic Trainers, Art Therapist, Dental Hygienists, Registered Nurse, Doctors, etc.). The information will include occupational and educational opportunities, physical, emotional and attitudinal requirements. Exposure to foundation skills and knowledge in medical-related math, legal and ethical issues and lab safety related to most health care professions will be included. This course will also develop the communication skills needed to speak with and document patient interactions, residents, physicians and other medical staff in a variety of settings and circumstances.

## **MEDICAL TERMINOLOGY AND ETHICS: HADC209Y**

**Open to:** 10, 11, 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** None

This course is designed to teach word elements of roots, combining forms, suffixes, and prefixes, definitions, spelling and the use of correct abbreviations of medical terms. The course content is organized around body systems and emphasizes the terminology and application related to health information technology.

## **FAMILY AND CAREER**

### **ADVANCED FOODS: CT237Y**

**Open to:** 10, 11, 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** Intro to Foods 1 and 2

The first semester of this course will provide students the experience of how food and its preparation vary by region and by country. Students will learn about different ingredients and techniques to broaden their culinary horizons. The second semester will focus on the art of baking and pastries. The emphasis on this course will be on how to prepare meals as a life-skills for home use.

### **CHILD DEVELOPMENT: CT124Y**

**Open to:** 9, 10, 11, 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** None

This course addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of young children. Topics include developmental theories, human reproduction, prenatal development, and childbirth. Students will have the opportunity to earn an ECE Credential Level 1 Certificate through the Gateways to Opportunity training and scholarship program; a state required certification by child care facilities. This early care and education training introduces students to general child development, health and safety, environments for children (infants through school age), and the importance of relationships with children and their families. The students will gain knowledge about the physical, mental, emotional, and social growth and development of children from conception to school age. Students will also participate in the RealityWorks RealCare Baby simulation which provides students the hands-on opportunity to experience caring for an infant.

### **CLINICAL EXPERIENCE IN EDUCATION: CCCTDC370S**

**Open to:** 11, 12      **Length:** 1 semester      **Credit:** 0.5

**Prerequisite:** Introduction to Education

This is a 45-hour documented clinical experience that enables students to observe and interact with children and teachers in a classroom environment. This course is designed to assist students as they assess their commitment to teaching as a career. A weekly on-campus seminar explores such topics as effective teaching methods, classroom management techniques, and learning styles, and assists students in assessing their commitment to teaching as a career. This course is dual credit with EDU 202 at Waubonsee Community College (3 Credit Hours).

## **EARLY CHILDHOOD EDUCATION 1: CCCT244Y**

**Open to:** 10, 11, 12      **Length:** 1 year      **Credit:** 2

**Prerequisite:** Child and Parent Development and positive academic, behavioral and attendance record

This course is designed to provide students interested in a career in early childhood with information and practical experiences needed for the development of job-related competencies. Students are provided laboratory experiences in the Little Learners Preschool. Students will be expected to develop appropriate skills in program development and in assisting with children's developmentally appropriate activities. Classroom content is concerned with studying developmentally appropriate practices, the philosophy and management of childcare centers, and the state/national standards in early childhood. The main learning experiences will involve actual work with children in situations that simulate those found in business and industry, as well as preparation for that activity.

## **EARLY CHILDHOOD EDUCATION 2: CCCT374Y**

**Open to:** 10, 11, 12      **Length:** 1 year      **Credit:** 2

**Prerequisite:** Early Childhood Education

This course is designed to provide students interested in a career in early childhood with information and practical experiences needed for the development of job-related competencies. Students are provided laboratory experiences in the Little Learners Preschool. Students will be expected to develop appropriate skills in program development and in assisting with children's developmentally appropriate activities. Classroom content is concerned with studying developmentally appropriate practices, the philosophy and management of childcare centers, and the state/national standards in early childhood. The main learning experiences will involve actual work with children in situations that simulate those found in business and industry, as well as preparation for that activity. West Aurora signed a dual credit agreement with Waubonsee Community College for ECE 101 - Intro to Early Childhood Education (3 credits). The course needs to be updated to reflect this opportunity for students.

## **FASHION DESIGN 1: CT134Y**

**Open to:** 9, 10, 11, 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** None

The first semester consists of units in color, line and design. Students will learn how to operate a sewing machine and complete three sewing projects. The projects include a sewing tote and pajama bottoms. The second semester consists of units in textiles including natural and fabricated fibers as well as advanced seam finish samples and three clothing projects. The projects include a shirt, pants or skirt with a zipper and a third project based on individual needs and experience. Students are required to purchase materials for garments.

## **FASHION DESIGN 2: CT258Y**

**Open to:** 10, 11, 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** Fashion Design 1

First semester is designed to improve the sewing skills of students. The course consists of the construction of three clothing projects. These would include a lined jacket and a project constructed using the serger machine. Students are required to purchase materials for garments. The second semester is designed to continue to improve the sewing skills of students. The course consists of learning how to work with plaid fabric and the construction of three advanced, challenging projects. Continued use of the serger machine is included. Students are required to purchase materials for garments.

## **FASHION DESIGN INDEPENDENT STUDY: CT372F, CT373S**

**Open to:** 10, 11, 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** Fashion Design 2 and consent of the instructor

Independent Study is designed to give students the opportunity to further expand sewing skills and develop new techniques. Arrangements and independent study contracts are to be drawn up between students and instructors. Students will be required to purchase materials for projects.

## **FASHION MERCHANDISING: CT368Y**

**Open to:** 10, 11, 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** Fashion Design 1 or 2 recommended but not required

This course traces the development of fashion and the retail industry. Student activities include: examining styles, fashion terminology, predicting fashion trends, creating visual displays, wardrobing with professional career portfolios, and researching the fashion history. Highlights include a field trip to a costume shop and presentations by professionals in the fashion industry. Units include product planning, promotion and development of retail merchandise and visual display. The second semester includes the planning and production of a fashion show; researching fashion careers and pathways and learning about designers. This course will include the planning and operations of the school store. *Students are required to have transportation to and from fashion show practices and model fittings.*

## **INTRODUCTION TO EDUCATION: CCCTDC370F**

**Open to:** 11, 12      **Length:** 1 semester      **Credit:** 0.5

**Prerequisite:** None

This course is an introduction to the profession of teaching. It incorporates the historical, philosophical, social, and legal foundations of education while examining ethics, organizational structure, and school governance. Students will develop skills in lesson planning, instructional practice, and specialized training within the profession. Along with the coursework, students will engage in clinical experiences at district schools. This course is dual credit through Waubonsee Community College including EDU 200 (Introduction to Education) 3 credit hours.

## **INTRODUCTION TO FOODS 1: CT113F, CT114S**

**Open to:** 9, 10, 11, 12      **Length:** 1 semester      **Credit:** 0.5

**Prerequisite:** None

This course consists of units in nutrition, equipment, measuring, and sanitation. Students will develop life-long culinary skills. Food Science Principles and culinary techniques are applied as students prepare a variety of recipes in the lab. There is an emphasis on healthy eating and nutrition. The goal of this course is to develop culinary skills that can be used at home and in the culinary profession. Career exploration in related fields will be incorporated.

## **INTRODUCTION TO FOODS 2: CT115F, CT116S**

**Open to:** 9, 10, 11, 12      **Length:** 1 semester      **Credit:** 0.5

**Prerequisite:** Intro to Foods 1

This course consists of additional units in food preparation, team and leadership responsibilities that were developed during Introduction to Foods 1. This course provides students with background information on the culinary arts field and begins to expose students to different career choices through classroom work. The goal of this course is to continue to develop culinary skills that can be used at home and in the culinary profession. Career exploration in related fields will be incorporated.

## **INTERIOR DESIGN: CT123Y**

**Open to:** 9, 10, 11, 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** None

This course will include a study of housing needs, housing styles, principles and elements of design, color, furniture styles, and floor plans. Students will have the opportunity to explore the world of interior design and how it can be applied to both personal and work experience. This course consists of many hands-on projects.

## **INTERNSHIP: CT399Y**

**Open to:** 12      **Length:** 1 semester or year      **Credit:** 1

**Prerequisite:** Teacher recommendation

The Internship/Work-Based Learning (WBL) Course allows students the opportunity to earn credit and gain real world experience with an approved business or organization (offsite). The goal of the course is for students to increase their knowledge and understanding of a particular career path or profession. The student will work with the WBL Coordinator to identify career area placement, expectations and documentation of work experiences. Weekly check in with WBL Coordinator and a minimum of 6 hours at placement site (per week) is required. Students will need to have their own mode of transportation to and from the placement site. Students may enroll in 1 or 2 semesters of internship. Final schedules will be dependent on employer partners.

## **INTERIOR DESIGN INDEPENDENT STUDY: CT369 F/S/Y**

**Open to:** 10, 11, 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** Interior Design and an Interest in Competing in the FCCLA Interior Design STAR Project

Students will build upon their knowledge of Interior Design by completing the FCCLA Interior Design STAR project to meet all of the requirements specified by the client description. During the first 7 weeks of the course, course content will focus on culture and societal influences on housing, recognizing and selecting furniture styles, as well as lighting and accessories. The client profile is revealed by FCCLA on October 1st annually. From that point forward, student designers would be designing an entire residential home to meet the specifications of the client. Students would be able to compete with this design project at FCCLA regional competition in February if they are members of FCCLA. The student will then have the opportunity to qualify for state and nationals based on their performance at each level.

## **REAL WORLD READINESS: CT125F, CT125S**

**Open to:** 11, 12      **Length:** 1 semester      **Credit:** 0.5

**Prerequisite:** None

This is a one-semester course designed to prepare individuals to make decisions for their future. A heavy focus is placed on the experiences, skills, and responsibilities students need to form healthy, mature and successful relationships in their adult lives, whether at home or in a work environment. A growing expectation for today's graduates is the ability to work effectively in a diverse environment; thus, students will learn how to strengthen communication and conflict management skills, utilize problem-solving methods, develop management processes and practice coping skills. In addition, students will discover potential careers, specifically thinking about a "dream" job, write a resume, and participate in a mock interview to gain employability skills. The responsibilities of being independent and managing resources are also strongly emphasized. Lastly, students will learn money management and financial literacy skills including researching the expenses of selecting an apartment or home, buying a new car and will explore maintaining checking and savings accounts, paying taxes and keeping a budget.

## **RESTAURANT ESSENTIALS: CT371Y**

**Open to:** 10, 11, 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** Intro to Foods 1 and 2 and teacher recommendation

Students gain hands-on experience in helping to prep for the Blackhawk Cafe, a student-run restaurant, by learning techniques, equipment, and skills that will be applied when moving on to Culinary 3 and 4.

## **RESTAURANT MANAGEMENT 1: CT481Y**

**Open to:** 11, 12      **Length:** 1 year      **Credit:** 2 (2 periods a day)

**Prerequisite:** Restaurant Essentials

Students will learn in a hands-on nature in the Blackhawk Cafe, the student-run restaurant, and is designed to prepare students for a management position in the culinary arts industry. Students will gain experience managing the front and back of the house operations. Students will earn an industry-recognized Serve Safe Food Handler Certification.



**RESTAURANT MANAGEMENT 2: CT485Y**

**Open to:** 11, 12      **Length:** 1 year      **Credit:** 2 (2 periods a day)

**Prerequisite:** Restaurant Management 1

This course explores culinary arts careers and general job-related skills. The students receive hands-on experience in the Blackhawk Cafe, a student-run restaurant, by rotating through various positions in management and the restaurant operation. Students will earn an industry-recognized Serve Safe Food Manager certification.

**TECHNOLOGY****ADVANCED 2-D CAD TOPICS  
DUAL CREDIT- HONORS: CTDC505F**

**Open to:** 10, 11, 12      **Length:** 1 semester      **Credit:** 0.5

**Prerequisite:** CAD 102

This class would be ideal for students interested in Engineering, Architecture, and Drafting. The course will prepare you for college and real-world applications. This course is a continuation of CAD102. Students learn how to properly create and detail orthographic views with both conventional and geometric tolerances. Students learn how to properly annotate working drawings according to ANSI-ASME standards. Additional topics of study include; dynamic blocks, block attributes, external reference files, assembly layouts, bill of materials, fasteners and weldments. This course is a dual credit course with CAD 120 at Waubonsee Community College (3 credit hours)

**AUTO CAD 2-D DUAL CREDIT -  
HONORS: CTDC503S**

**Open to:** 10, 11, 12      **Length:** 1 semester      **Credit:** 0.5

**Prerequisite:** CAD 102

This class would be ideal for students interested in Engineering, Architecture, and Drafting. The course will prepare you for college and real-world applications. This course provides students who have elementary manual drafting skills with basic competencies in computer-aided drafting on microcomputers using AutoCAD, the most widely used micro-CAS software in the United States. It is recommended that students have PC experience with MS Windows and basic keyboarding skills. Repeatable to a maximum of 12 semester hours; 3 semester hours may apply to a degree or certificate. This course is a dual credit course with CAD 102 at Waubonsee Community College (3 credit hours)

**AUTO CAD 3-D DUAL CREDIT-HONORS: CTDC506S**

**Open to:** 10, 11, 12      **Length:** 1 semester      **Credit:** 0.5

**Prerequisite:** CAD 120

This class would be ideal for students interested in Engineering, Architecture, and Drafting. The course will prepare you for college and real-world applications. This course covers the basics of 3-D modeling using AutoCad. Students are introduced to 3-D wire, 3-D meshed, 3-D surface, 3-D solid modeling, and 3-D parametric modeling. Students learn the concepts and techniques required in all 3-D modeling programs including; 3-D coordinates, 3-D viewing, 3-D boundary represented construction geometry, Boolean constructive, various 3-D editing techniques, and creating 2-D layouts from 3-D models. Models are built using additive manufacturing. This course is a DC course with CAD 118 at Waubonsee Community College (3 credit hours).

**AUTOMOTIVE TECHNOLOGY 1 DUAL  
CREDIT: CCCTDC380F**

**Open to:** 11, 12      **Length:** 1 year      **Credit:** 2

*Dual credit for the 1st semester*

**Prerequisite:** None

Automotive Technology 1 introduces the student to the wide field of auto repair. The class is divided into four main areas of study: brakes; steering and suspension; electrical; engine repair ad computer controls. Students will receive classroom instruction and time in the lab to complete hands-on repairs to vehicles. Students are instructed on how to locate service data, determine what is important and use that information to troubleshoot and repair automobiles. Students must supply their own safety glasses and safety boots.

**AUTOMOTIVE TECHNOLOGY 2: CCCT408Y**

**Open to:** 12      **Length:** 1 year      **Credit:** 2

**Prerequisite:** None

Automotive Technology 1 introduces the student to the wide field of auto repair. The class is divided into four main areas of study: brakes; steering and suspension; electrical; engine repair ad computer controls. Students will receive classroom instruction and time in the lab to complete hands-on repairs to vehicles. Students are instructed on how to locate service data, determine what is important and use that information to troubleshoot and repair automobiles. Students must supply their own safety glasses and safety boots.

**BASIC TECHNICAL DRAWING DUAL CREDIT: CTDC502F**

**Open to:** 10, 11, 12      **Length:** 1 semester      **Credit:** 0.5

**Prerequisite:** Concurrent enrollment or a "C" or better in Geometry or Geometry - Honors

This class would be ideal for students interested in Engineering, Architecture, and Drafting. The course will prepare you for college and real-world applications. This course includes study and practice in instrument drawing, lettering, technical sketching, geometric constructions, multi-view projection, pictorial drawing, section view, auxiliary view, conventions and drawing reproduction.

**BUILDING TRADES 1: CCCT350Y**

**Open to:** 10, 11, 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** Machine Woodworking or Teacher recommendation

In this course, students will explore and gain hands-on experience in various careers found within the construction trades. the goal of the course is to provide students with an authentic experience and the necessary skills to enter the workforce or continue their education in the industry. Students will develop hands-on skills using both hand and power tools found in industry. this class will introduce students to blueprint reading, framing (floors, walls, ceilings, roofs), sheathing and barriers, installation of windows and doors, interior/exterior trim work, along with basic electrical wiring and plumbing. Students will complete a culminating project by working collaboratively in small groups to construct a small-scale structure.

**BUILDING TRADES 2: CCCT450Y**

**Open to:** 11, 12      **Length:** 1 year      **Credit:** 2

**Prerequisite:** Building Trades

In this course, students will further develop skills and experiences learned in Building Trades, along with the addition of more advanced curriculum related to construction trades. Students will construct a larger scale structure starting with the foundation. Following, students will learn about more advanced framing, exterior sheathing and barriers, doors and windows, interior/exterior trim work, along with electrical and plumbing. Students will also learn how to build stairs, hang and finish drywall, paint, install flooring, hang cabinets and install vanities. This course will provide the student with the necessary skills to enter the workforce or continue their education in the industry.

**CIVIL ENGINEERING AND ARCHITECTURE-  
HONORS: CT302Y**

**Open to:** 10, 11, 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** Introduction to Engineering Design, Successful completion of POE recommended

Civil Engineering and Architecture (CEA) is a "specialization" course in the Project Lead the Way Engineering program. In CEA students learn important aspects of building and site design and development. They apply math, science and standard engineering practices to design both residential and commercial projects by documenting their work using 3D design software.

**CIVIL ENGINEERING AND ARCHITECTURE-  
HONORS: CT302Y**

**Open to:** 10, 11, 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** Introduction to Engineering Design or Principles of Engineering

The knowledge and skills students acquire throughout PLTW Engineering come together in EDD. In this course, students identify an issue and then research, design and test a solution. Ultimately presenting their solution to a panel of practicing engineers. Students apply the professional skills they have developed to document a design process, and they complete EDD ready to take on any post-secondary program or career.

**EXPLORING TECHNICAL CAREERS: CT190Y**

**Open to:** 9, 10, 11, 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** None

Designed to be an orientation and a career exploration course, Exploring Technical Careers will expose students to all of the technology centered courses that are offered here at West High. The exposure to various technological courses will lead to understanding of different career pathways that students will be able to continue throughout their secondary and post secondary pathways. Partnered with the various curriculum of technology courses, this course provides students with instruction that is based on, but not limited to ; drafting, engineering, woodworking, machining, welding and auto mechanics. Following various standards from local unions, students will encounter a hands-on learning environment that will implement technical and real life application to reading, writing, presentation, problem solving and many more critical skills.

**INTRODUCTION TO ENGINEERING: CT150Y**

**Open to:** 9, 10, 11, 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** None

Introduction to Engineering Design (IED) is a high school level foundational course in the PLTW Engineering Program. In IED, students are introduced to the engineering profession through a common approach to the solution of engineering problems and an engineering design process by applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work.

**PRECISION MACHINING AND MANUFACTURING 1:  
CCCT360Y**

**Open to:** 11, 12      **Length:** 1 year      **Credit:** 2

**Prerequisite:** Exploring Tech Careers and/or CAD Technical Drawing

This course introduces students to the basic skills and machines needed in Precision Machining and Manufacturing. Students will learn Shop and General Tool Safety, receive OSHA 10 certification, Metallurgy and Periodic Table studies, Cartesian Coordinate System for tool path and code writing, and Tool build-up and teardown. Students gain machining skills while working with Clausing Lathes, Clausing and TRAK Milling machines, Clausing Surface Grinders, Clausing and JET drill presses, and HAAS CNC Lathe and Mini-Mill Machines. In addition, students learn the basics of Blueprint Reading, Precision Measuring, Project Layout and Creation, and what it takes to make a product from scratch through the Engineering Design Loop.

**PRINCIPLES OF ENGINEERING-HONORS: CT201Y**

**Open to:** 10, 11, 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** Introduction to Engineering

This course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering as a career. POE gives 22 students the opportunity to develop skills and understanding of course concepts through related activities, projects, and problem-based learning, and teamwork which challenges students to continually hone their interpersonal skills, creative abilities, and problem-solving skills based upon engineering concepts. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education. Students will employ engineering and scientific concepts in the solution of engineering design problems. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students will also learn how to document their work and communicate their solutions to their peers.

**PRECISION MACHINING AND MANUFACTURING 2:  
CCCT460Y**

**Open to:** 12      **Length:** 1 year      **Credit:** 2

**Prerequisite:** Machining 1

This course provides more in-depth skill development in various types of precision tool operation, especially using mills, lathes, and surface grinders to perform machining tasks. Power cutoff saws and power band saws are also covered. Students also learn the coding and use of computer and numerical controlled machining. Students enrolled in this course will have the opportunity to participate in a semester-long internship with a local employer. This course will run as a 75 minute block period and be located at the Weisner Family Center for Career Development.

**TECHNICAL DRAFTING 1: CT247F**

**Open to:** 10, 11, 12      **Length:** 1 semester      **Credit:** 0.5

**Prerequisite:** None

This class would be ideal for students interested in Engineering, Architecture, and Drafting. The course will prepare you for college and real-world applications. This course offers students experience in the basic principles of drafting including: shape and size description of objects, drawings of section and pictorial views, making assembly drawings, and using basic descriptive geometry procedures on a computer with a two-dimensional drafting program.

**TECHNICAL DRAFTING 2: CT246S**

**Open to:** 10, 11, 12      **Length:** 1 semester      **Credit:** 0.5

**Prerequisite:** Technical Drafting 1

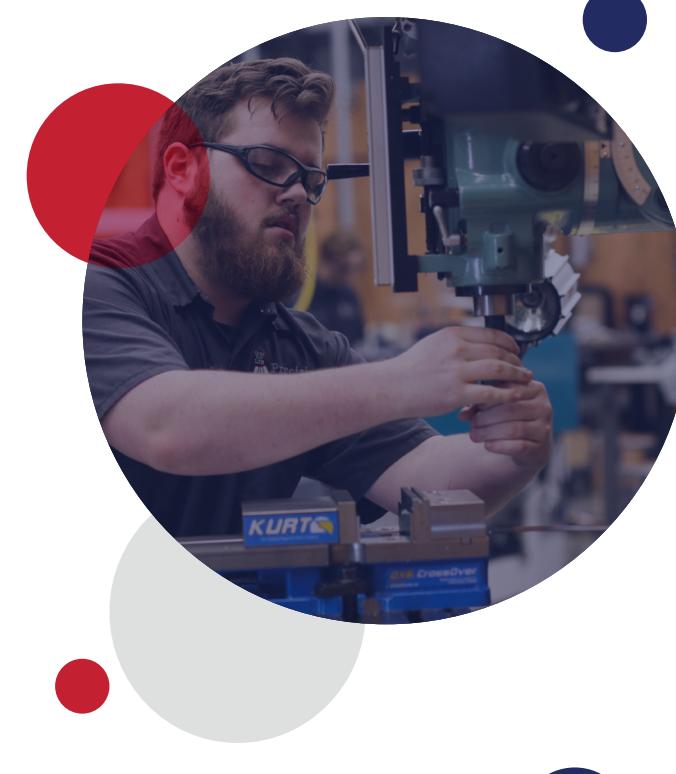
This class would be ideal for students interested in Engineering, Architecture, and Drafting. The course will prepare you for college and real-world applications. Students will progress from the basic fundamentals of drafting to the detailed study of machine drawings including: dimensioning, section views, auxiliary view, developments, pictorial views, threads and fasteners, drawing file management, documentation, and plotting drawings through a computer system.

**WELDING 1: CCCT340Y**

**Open to:** 10, 11, 12      **Length:** 1 year      **Credit:** 2

**Prerequisite:** None

The course assists students in gaining knowledge and developing the basic skills needed to be successful in welding technology. Students will review blueprint reading, learn welding health and safety procedures, understand the different types of welding processes (Oxy/Fuel Cutting, Plasma Cutting, SMAW, GMAW, Oxy/Acetylene Welding, and GTAW). They will also understand and be tested using the American Welding Society's numbering system for the various types of the welding process. Units of instruction also include life/job soft skills (Resume and Cover Letter), Daily Record-Keeping (Journals), Metallurgy, Precision Measuring, Layout and Production Process. This course will run as a 75 minute block period and be located at the Weisner Family Center for Career Development.



**WELDING 2: CCCT440Y**

Open to: 12 Length: 1 year Credit: 2

**Prerequisite:** Welding 1

This course builds on the skills and concepts introduced in Welding Technology I and provides more in-depth skill development in various types of welding including horizontal, vertical, overhead, forehand/backhand and circular techniques. The students will need to demonstrate their understanding and skill development of the different types of welds, basic geometric methods of joint design, metals, welding wires, electrodes, gases, and the various types of power sources. The students also explore the use of robotic and automated production welding. Students enrolled in this course will have the opportunity to participate in a semester-long internship with a local employer. This course will run as a 75 minute block period and be located at the Weisner Family Center for Career Development. This course is aligned with the Waubonsee Community College for WLD 101 - Blueprint Reading for Welders (3 credits).

**WOODS 1: CT248Y**

Open to: 10, 11, 12 Length: 1 year Credit: 0.5

**Prerequisite:** None

This is an introductory course offering a general background in woodworking tools, materials, and processes. It considers the broad field of woodworking, emphasizing its importance to the community and its occupational and recreational opportunities. Students are expected to develop a cooperative attitude, to gain a sense of pride in a job well done, to learn to use safe working practices, to gain knowledge of design, and to use working drawings.

**WOODS 2: CT379Y**

Open to: 11, 12 Length: 1 year Credit: 1

**Prerequisite:** Woods 1

This course is designed for the student desiring to increase the knowledge and skills obtained through Basic Wood Working and Machine Wood Working or teacher approval. The focus of the class is on advancing drafting/design, planning and preparation, material selections, advanced joinery, millwork through CNC, various construction techniques used in cabinet making and millwork and various finishing procedures. Trades that are discussed and implemented into the course include planning, material selection, joinery, construction techniques, and finishing procedures. Trades that are discussed and implemented into the course include, but are not limited to; carpentry, cabinetry, pattern making, and millworkers.

# ENGLISH

**AFRICAN AMERICAN LITERATURE: EN440F, EN441S**

Open to: 12 Length: 1 semester Credit: 0.5 N

**Prerequisite:** Successful completion of junior level English or concurrent enrollment

African American Literature is a one-semester course that introduces senior-level students to the tradition, history and heritage of African American oration and writing that captures the African American perspective and provides students with the ability to see how that perspective is both unique to the culture and an important and often under-represented aspect of American (and world) culture. This course will explore the African vernacular, the literature of slavery and freedom, the literary voices from Reconstruction through the Harlem Renaissance, and the modern contemporary African American literary perspective.

**AMERICAN STUDIES: EN316Y**

Open to: 11 Length: 1 year Credit: 2 N

**Prerequisite:** Successful completion of sophomore level English

This course is highly recommended for students who are interested in studying history and literature in an integrated way. Through this approach, students will learn about American culture, past and present, through a study of primary and secondary documents, literature, and the fine arts (music, paintings, material culture, architecture, and film). Through this course of study, students will recognize the rich dynamics of and connections between American history, literature, and culture. Students in this class have many opportunities to collaborate with peers, participate in dialogue, and engage in simulations that will help them improve their critical thinking, reading, writing, and research skills. Two teachers (History and English) facilitate the class, but students are also a part of the team. This is a year-long course that meets for two consecutive periods every day in a large group format. Students will receive one required credit in U.S. History, and one required credit for Junior English.

**AP LANGUAGE AND COMPOSITION – HONORS: EN321Y**

Open to: 11 Length: 1 year Credit: 1 N

**Prerequisite:** Successful completion of sophomore level English

AP Language and Composition students will analyze the effects of the decisions writers make as they compose and readings will focus on an overview of American literature from the 1600's to contemporary pieces. In addition, students will produce intensive analytical and argumentative compositions. Careful attention is given to the process of inquiry, research, drafting, editing, reviewing, and revising. A successful student in this course typically has earned a C or better in Sophomore English 200 or Sophomore English Honors.

**AP LITERATURE AND COMPOSITION – HONORS: EN436Y**

Open to: 12 Length: 1 year Credit: 1 N

**Prerequisite:** Successful completion of junior level English

AP Literature and Composition focuses on the analysis of literature through extensive and intensive reading, writing, and discussion. Students will closely read and critically analyze poetry, short stories, dramas, novels, essays, and philosophical treatises to deepen their understanding of the writers' use of techniques and language to produce meaning and enjoyment. Writing assignments include expository, analytical, and argumentative responses and essays of various lengths. This year-long seminar prepares the student for college-level rhetoric courses as well as the AP Literature has typically earned a C or better in Junior English, American Studies, or AP Language and Composition.

**AP SEMINAR-HONORS: EN437Y**

Open to: 10, 11, 12 Length: 1 year Credit: 1 N

**Prerequisite:** Successful completion of junior level English or teacher recommendation

AP Seminar is a course, open to 10th and 12th grade students, that invites students to explore a range of compelling, real-world topics and issues. By asking questions to guide their thinking, students examine various perspectives to gain a deeper understanding of complex issues. Students will hone their reading, writing, research, and critical thinking skills by reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students will combine information from multiple sources to develop their own perspectives in written essays; they will also design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to empower students with the ability to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. Successful students in this course have typically completed their previous English class with a C or better.

**BRITISH LITERATURE: EN430F, EN431S**

Open to: 12 Length: 1 semester Credit: 0.5 N

**Prerequisite:** Successful completion of junior level English or concurrent enrollment

This course is a survey of British authors and works. Some works include Beowulf, The Canterbury Tales, Legends of King Arthur, Macbeth, and Nineteen Eighty-Four. This class provides an excellent background for the college-bound student. Essay writing and discussion are expected.

**CREATIVE WRITING: EN432F, EN433S**

Open to: 12 Length: 1 semester Credit: 0.5 N

**Prerequisite:** Successful completion of junior level English or concurrent enrollment

This course will explore various types of prose and poetry writing. Students will write several original works that will be evaluated on established criteria. Students will write regularly and share their work with class members. Required reading of professional authors and poets will model writing tasks for the students. Major required projects will include a final short story of substantial length as well as a poetry writer's handbook. Students can expect to write every day in Creative Writing. They will be given a wide variety of homework assignments, ranging from keeping a journal for the class to practice different writing techniques presented in class. A short story and poetry unit test will be given. This course is for students who truly enjoy writing. It will give students an opportunity to hone their writing skills and further develop their writing styles.

**FILM AS LITERATURE: EN438F, EN439S**

Open to: 12 Length: 1 semester Credit: 0.5 N

**Prerequisite:** Successful completion of junior level English or concurrent enrollment

In this one-semester senior-level course, students will be challenged to understand, analyze, and evaluate how films and other visual media are interpreted. Students learn about the different techniques filmmakers often use to establish character, conflict, symbolism, and thematic patterns. Ultimately, classes discuss and write about how films and other texts interpret and express the worldviews and values of marginalized groups in society.

**FIRST YEAR COMPOSITION I: ENG101  
DUAL CREDIT: ENDC501F**

Open to: 11, 12 Length: 1 semester Credit: 0.5 N

*IAI 3.0 college credit course 0.5 West Aurora High School***Prerequisite:** 480 or higher on SAT EBRW or cumulative GPA 3.0

This course focuses on the writing and revising of expository, analytical, and argumentative essays; it is the first in a two-course sequence. Students will concentrate on the writing process, identifying and responding to different audiences and rhetorical situations, and understanding the conventions of format and structure in various discourse communities, including academic writing. Successful students in this course have typically completed Junior English 200 with a C or better. Students who have completed a year of AP Language and Composition are highly encouraged to take AP Literature instead of this course, as ENG101 repeats many skills covered in AP Language and Composition. Those who earn a C or above in ENG 101 will earn college credit that may transfer to their chosen college or university. Students who earn a 3 or above on the AP Language and Composition exam may test out of this course and move on to ENG 102.

**FIRST YEAR COMPOSITION II: ENG102  
DUAL CREDIT: ENDC502S**

Open to: 12 Length: 1 semester Credit: 0.5 N

*IAI 3.0 college credit course 0.5 West Aurora High School***Prerequisite:** A "C" or better in ENG101

This course focuses on the researching, writing, and revising of analytical and argumentative essays. The second of a two-course sequence, it concentrates on the writing process, identifying and responding to different audiences and rhetorical contexts, and understanding the conventions of format and structure in various discourse communities, including academic writing. The major project of the semester is an APA-formatted academic research paper. Students who earn a C or better earn college credit that may transfer to their chosen college or university.

**FRESHMAN ENGLISH: EN111Y**

Open to: 9, 10 Length: 1 year Credit: 1 N

**Prerequisite:** Performance Series test scores and recommendation of the 8th grade teacher

This full-year course focuses on developing intensive writing skills through the creation of increasingly complex essay structures. A CER-based writing system is used as a foundation for student development. Grammatical concepts are emphasized and assessed through the writing process. Various source materials are used as a foundation for writing including Greek Mythology, exemplar essays, and selected novels, and a Shakespearean play.

**FRESHMAN ENGLISH - HONORS: EN112Y**

Open to: 9, 10 Length: 1 year Credit: 1 N

**Prerequisite:** Performance Series test scores and recommendation of the 8th grade teacher

As the first course in the required four-year English sequence, this full-year course provides freshmen students with the foundational skills for success in future high school English courses. They will refine their analytical thinking, critical reading, and writing skills as they examine the overarching theme of Coming of Age. A selection of novels, plays, short stories, and informational text will encourage students to explore the intricate, sometimes difficult, process of transitioning from adolescence to adulthood. By dissecting complex texts and engaging in reflective discussions, students will develop a profound understanding of this universal theme while also becoming adept in expressing their insights clearly and persuasively.

**FUNDAMENTALS OF SPEECH & COMMUNICATION - DUAL CREDIT: ENDC500F, ENDC500S**

Open to: 9, 10 Length: 1 year Credit: 1 N

*IAI 3.0 college credit course 0.5 West Aurora High School***Prerequisite:** Successful completion of junior level English AND meets WCC requirements

This basic course in speech communication serves three primary goals: introduction to the theories of human communication, classroom experiences in a variety of communication situations, and evaluation of individual communicative behavior and public speaking. Successful students in this course have typically completed Junior English 200 with a C or better.

**JUNIOR ENGLISH: EN322Y**

Open to: 11 Length: 1 year Credit: 1 N

**Prerequisite:** Successful completion of sophomore level English

This yearlong course integrates the reading, analysis, and discussion of choice American literature along with a variety of intensive written compositions that will prepare students for college. Written assignments will range from research papers to in-class essays. Additionally, students will prepare for the ACT exam through test practice and vocabulary study.

**MEDIA AND SOCIETY: EN424F, EN425S**

Open to: 12 Length: 1 semester Credit: 0.5 N

**Prerequisite:** Successful completion of junior level English or concurrent enrollment

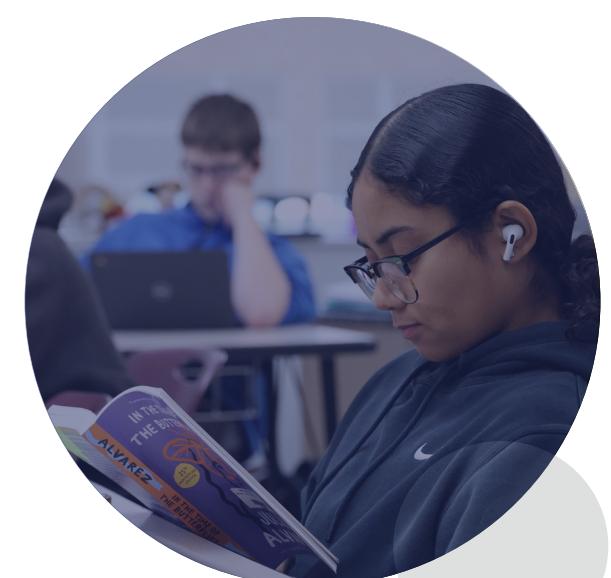
Media and society emphasizes the increasing complexity of digital media technology within our everyday lives. It is designed to study the role of the media in social, cultural, political and economic life. Media from the Internet, newspapers, magazines, radio, sound recordings, television, motion pictures, advertising and public relations will be explored. Media theories as well as media's political influence and globalization will also be studied. Students will learn how mass media affects them and how to become more critical consumers of mass media.

**MEDICAL LITERATURE AND RESEARCH: HA429F, HA429S**

Open to: 12 Length: 1 semester Credit: 0.5 N

**Prerequisite:** Junior level English

This semester course challenges students to refine their reading comprehension and writing skills while focusing on healthcare-related themes. A selection of novels, short stories, poetry, film, and technical writing exploring such topics as patient care, medicine, empathy, mental health, and bioethics will prepare students for postsecondary education and careers in the healthcare field. Tailored for seniors in the Health Academy, this rigorous literature course fulfills an English graduation requirement and creates a path for further study in their chosen field.



**SCIENCE FICTION: EN426F, EN427S**

**Open to:** 12      **Length:** 1 semester      **Credit:** 0.5      **N**  
**Prerequisite:** Successful completion of junior level English or concurrent enrollment

This course is a study of the themes, topics, and characteristics of science fiction in representative short stories, novels, and dramatized science fiction. Discussions will include social, political, technological, supernatural, and religious themes based on selections of Kurt Vonnegut, Ray Bradbury, Arthur C. Clarke, and other futuristic writers. A novel, as well as numerous short stories, will be read. Two essays and oral presentations are expected.

**SENIOR ENGLISH AND COMPOSITION: EN421Y**

**Open to:** 12      **Length:** 1 year      **Credit:** 1      **N**  
**Prerequisite:** Successful completion of junior level English or concurrent enrollment

This course prepares students for college-level reading and writing requirements by building off the skills developed throughout high school. Students will be asked to demonstrate a command of vocabulary, English language conventions, research skills, awareness of audience, the purpose of writing, style, and critical thinking through analysis. In order to achieve these goals, students will read a variety of classical and contemporary literature, as well as articles. The course provides students with the skills necessary for success in college-level courses. In accordance with and subject to the PWR Act, successful attainment of transitional English competencies in the areas of reading, writing, and critical thinking & analysis guarantees student placement into a community college English course.

**SOPHOMORE ENGLISH: EN202Y**

**Open to:** 10      **Length:** 1 year      **Credit:** 1      **N**  
**Prerequisite:** Successful completion of freshman level English

This course, the second in a four-year English sequence, builds on the foundational skills established during freshman year. Students will further develop their essential analytical thinking, reading, and writing skills as they examine the role of the individual in society. By delving into diverse narratives that portray the struggles and triumphs of characters within different societal contexts, students will gain insight into the power of literature to shape and mirror societal values. Along with these narratives, students will also develop skills and understandings related to rhetoric, research, and media literacy. Assessments will include essays, discussions, presentations, and additional formal and informal speaking exercises.

**SOPHOMORE ENGLISH HONORS: EN203Y**

**Open to:** 10      **Length:** 1 year      **Credit:** 1      **N**  
**Prerequisite:** Successful completion of freshman level English

This course engages students in a thematic comparative study of various themes found in different genres of literature. Assessments will include essays, discussions, and presentations as well as formal and informal speaking exercises. Students will be expected to complete in-class and out-of-class essays, as well as complete a speech component. Successful students in this course will need to have strong critical reading and writing skills.

**WORLD LITERATURE: EN422F, EN423S**

**Open to:** 12      **Length:** 1 semester      **Credit:** 0.5      **N**  
**Prerequisite:** Successful completion of junior level English or concurrent enrollment

This course studies different genres of literature from around the world. A thematic approach will help students learn about other cultures and time periods in order to develop and challenge their own perspectives. Essay writing, discussion, and extensive reading are expected.

# FINE ARTS

## ARTS

### ADVANCED CERAMICS AND SCULPTURE PORTFOLIO: VA390Y

**Open to:** 11, 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** Ceramics and Sculpture 2 or department approval

Students will explore a variety of sculpture and ceramic processes to create a diverse portfolio of work that addresses various design challenges. Experimentation with techniques will include but is not limited to carving, casting, assemblage, installation, and site-specific art. In order to develop a meaningful body of work, students will keep a visual journal that demonstrates research, evidence of idea exploration, media experimentation, and more. Students who are successful in this class typically earn a grade of "C" or better in their art courses.

### ADVANCED DIGITAL ARTS PORTFOLIO: VA392Y

**Open to:** 11, 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** 3 semesters of Art (at least one of which is Computer Art, Graphic Design, or Photography) or department approval

Students will further develop technical skills learned in Animation, Computer Art, Graphic Design, and/or Photography as they produce digital works that explore thematic and conceptual ideas. As students experiment with new tools and techniques, they will create a diverse portfolio that represents themselves as artists. In order to develop a meaningful body of work, students will keep a visual journal that demonstrates research, evidence of idea exploration, media experimentation, and more. Students who are successful in this class typically earn a grade of "C" or better in their art courses.

### ADVANCED DRAWING AND PAINTING PORTFOLIO: VA394Y

**Open to:** 11, 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** 3 semesters of Art (at least one of which is Drawing or Painting) or department approval

Students will explore and experiment with a variety of drawing and painting techniques and media to create a diverse portfolio of work that explores concepts and ideas in art. In order to develop a meaningful body of work, students will keep a visual journal that demonstrates research, evidence of idea exploration, media experimentation, and more. Students who are successful in this class typically earn a grade of "C" or better in their art courses.

### ANIMATION: VA396Y

**Open to:** 11, 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** 3 semesters of Art or department approval

Students will explore the history of animation using a variety of traditional art techniques, building materials and digital technologies to create a diverse portfolio of drawing, stop-motion, photographed and digitally animated films. Students who are successful in this class typically earn a grade of "C" or better in their art courses. Students may repeat this course with increased expectations as they work to create a professional portfolio for use in college and the professional workplace.

### AP 2-D ART AND DESIGN - HONORS: VA461Y

**Open to:** 11, 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** 3 semesters of Art or teacher recommendation

Students will work towards building a portfolio that demonstrates mastery of two-dimensional techniques and artistic processes. This course puts a focus on building a body of work around a single idea or guiding question. Students will keep a visual journal that demonstrates research, evidence of idea exploration, media experimentation, and revision while working towards building their body of work. The work created over the course of the year prepares students for the AP exam, which is a digital portfolio of works of art, process documentation, and written information about the work presented.

### AP 3-D ART AND DESIGN - HONORS: VA463Y

**Open to:** 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** 3 semesters of Art or teacher recommendation

Students will work towards building a portfolio that demonstrates mastery of three-dimensional techniques and artistic processes. This course puts a focus on building a body of work around a single idea or guiding question. Students will keep a visual journal that demonstrates research, evidence of idea exploration, media experimentation, and revision while working towards building their body of work. The work created over the course of the year prepares students for the AP exam, which is a digital portfolio of works of art, process documentation, and written information about the work presented.

### AP STUDIO ART: DRAWING/PAINTING - HONORS: VA462Y

**Open to:** 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** 3 semesters of Art or teacher recommendation

Students will work towards building a portfolio that demonstrates mastery of drawing and/or painting techniques and artistic processes. This course puts a focus on building a body of work around a single idea or guiding question. Students will keep a visual journal that demonstrates research, evidence of idea exploration, media experimentation, and revision while working towards building their body of work. The work created over the course of the year prepares students for the AP exam, which is a digital portfolio of works of art, process documentation, and written information about the work presented.

### ART AND COMMUNITY: VA299F, VA299S

**Open to:** 10, 11, 12      **Length:** 1 semester      **Credit:** 0.5

**Prerequisite:** Visual Art and/or Digital Art

In Art and Community, students will engage in collaborative and individual artistic responses to issues affecting their school, community, country and world. This course is for students who have taken at least one high school art course and are interested in how art impacts those around us. We will look to local and international artists who are getting their messages out through gallery and public artwork. All projects will surround the themes of expressing identity and culture within a larger community and will vary depending on student experience and interest; these could include found object sculpture, installations, public street art and other projects using non-traditional materials.

### CERAMICS AND SCULPTURE 1: VA200F, VA220S

**Open to:** 10, 11, 12      **Length:** 1 semester      **Credit:** 0.5

**Prerequisite:** Visual Art and/or Digital Art

Students will develop fundamental techniques in ceramics (hand building), metalwork, and sculpture. Projects will explore various concepts and skills such as sculpting from life, creating functional vessels, working 3-dimensionally and addressing principles of design. Students will maintain a visual journal, exploring themes, media, and artistic ideas.

### CERAMICS AND SCULPTURE 2: VA201S

**Open to:** 10, 11, 12      **Length:** 1 semester      **Credit:** 0.5

**Prerequisite:** Ceramics and Sculpture 1

Students will be introduced to wheel-thrown pottery and advanced ceramic skills, such as modeling life-like forms in clay. New techniques in metalwork and sculpture will be addressed with an emphasis on the transformative use of everyday materials. Students will maintain a visual journal, exploring themes, media, and artistic ideas.

### COMPUTER ART 1: VA210F

**Open to:** 10, 11, 12      **Length:** 1 semester      **Credit:** 0.5

**Prerequisite:** Visual Art and/or Digital Art

Students will utilize Adobe Creative Cloud and 3-D modeling programs to create digital artworks in the areas of illustration, image editing, photo manipulation, and sculpture. Emphasis will be placed on Adobe Photoshop, basic photography skills, and digital sculpting. Additionally, students will begin to develop an understanding of the techniques used in digital animation. Students will maintain a visual journal, exploring themes, media, and artistic ideas.

### WORLD LITERATURE: EN422F, EN423S

**Open to:** 12      **Length:** 1 semester      **Credit:** 0.5      **N**  
**Prerequisite:** Successful completion of junior level English or concurrent enrollment

This course studies different genres of literature from around the world. A thematic approach will help students learn about other cultures and time periods in order to develop and challenge their own perspectives. Essay writing, discussion, and extensive reading are expected.



### COMPUTER ART 2: VA211S

**Open to:** 10, 11, 12      **Length:** 1 semester      **Credit:** 0.5

**Prerequisite:** Computer Art 1

Students will continue to explore digital art with Adobe Creative Cloud and 3-D modeling programs. Emphasis will be placed on developing an understanding of advanced digital techniques and continued exploration of previously introduced software. These may include Adobe Photoshop, iMovie Sculpt GL, digital painting and drawing as well as photographic concepts. Additionally, students will continue to develop an understanding of the techniques used in digital animation. Students will maintain a visual journal, exploring themes, media, and artistic ideas.

### DIGITAL ART: VA110F, VA110S

**Open to:** 9, 10, 11, 12      **Length:** 1 semester      **Credit:** 0.5

**Prerequisite:** None

Students will develop and refine skills in photography, image editing, illustration, and basic animation. Guided by the elements and principles of design, students will utilize industry-standard Adobe Creative Cloud software and techniques to create digital works of art.

### DRAWING 1: VA220F, VA220S

**Open to:** 10, 11, 12      **Length:** 1 semester      **Credit:** 0.5

**Prerequisite:** Visual Art and/or Digital Art

Students in Drawing 1 will learn to draw from observation and work to develop these skills throughout the course. Students will study color, line, value, artists, and art history through thematic units such as portraits, still life, obsessions, and abstract art. The exploration of media may include graphite pencil, colored pencil, ballpoint pen and pen & ink. Students will maintain a visual journal, exploring themes, media, and artistic ideas.

### DRAWING 2: VA221S

**Open to:** 10, 11, 12      **Length:** 1 semester      **Credit:** 0.5

**Prerequisite:** Drawing 1

Students in Drawing 2 will continue to develop their observational drawing skills. Students will focus on creating original artwork that expresses their concepts and themes with a concentration in texture, line, value, color, and abstract art. Students will explore media such as graphite pencil, colored pencil, ballpoint pen, linoleum, and unconventional drawing media. Students will maintain a visual journal, exploring themes, media, and artistic ideas.

### GRAPHIC DESIGN STUDIO: VA333Y

**Open to:** 10, 11, 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** Graphic Design, Introduction to Graphic Design, or Department Approval

This course builds upon skills learned in Introduction to Graphic Design, providing students with the skills needed for a career in the fields of graphic design, advertising, communicate with clients seeking graphic design services. Students may repeat this course with increased expectations as they work to create a professional portfolio for use in college and professional workplace.

### INTRODUCTION TO GRAPHIC DESIGN: VA230Y

**Open to:** 9, 10, 11, 12      **Length:** 1 year      **Credit:** 1

**Prerequisite:** None

Students in this course will learn to effectively communicate ideas with both digital and printed media. Working with the Adobe Creative Suite and industry standard equipment, students will engage in the creative process from idea development to designs and sketches to finished digital and printed products for themselves and others. Projects in this class explore a variety of skills, techniques, media, and occupations related to graphic design and creative arts industry.

### PAINTING 1: VA240F, VA240S

**Open to:** 10, 11, 12      **Length:** 1 semester      **Credit:** 0.5

**Prerequisite:** Visual Art and/or Digital Art

Students will explore and experience a variety of painting media including tempera, watercolor, acrylic and oil on canvas. We will focus on learning painting techniques, while exploring ways to express ourselves through the work. Students will maintain a visual journal, exploring themes, media, and artistic ideas.

**PAINTING 2: VA241S****Open to:** 10, 11, 12    **Length:** 1 semester    **Credit:** 0.5**Prerequisite:** Painting 1

Students will continue their exploration of painting techniques with a focus on guided self-expression and media experimentation. Students will have more opportunities to work with oil paint and non-traditional media. Students will maintain a visual journal, exploring themes, media, and artistic ideas.

**PHOTOGRAPHY 1: VA250F, VA250S****Open to:** 10, 11, 12    **Length:** 1 semester    **Credit:** 0.5**Prerequisite:** Visual Art and/or Digital Art

Students will acquire a basic understanding of the manual features of a DSLR camera through an introduction to digital photography. Students apply camera techniques, basic studio lighting, and knowledge of the Elements and Principles of Art to create their photographs while incorporating Adobe Creative Cloud applications to refine and edit their images. Students will maintain a visual journal, exploring themes, media, and artistic ideas.

**PHOTOGRAPHY 2: VA251S****Open to:** 10, 11, 12    **Length:** 1 semester    **Credit:** 0.5**Prerequisite:** Photography 1

Students will investigate design and composition in depth through the use of DSLR cameras, advanced studio lighting, and Adobe Creative Cloud applications. Students will apply new and advanced photographic techniques to reach creative solutions in a variety of projects. We will focus on both commercial photography and fine art photography to enable student exploration of possible career paths.

Students will maintain a visual journal, exploring themes, media, and artistic ideas.

**VISUAL ART: VA100F, VA100S****Open to:** 9, 10, 11, 12    **Length:** 1 semester    **Credit:** 0.5**Prerequisite:** None

Students will be guided by the elements and principles of art in the creation of original artworks. The curriculum will include studio techniques in drawing, painting, and ceramics that will prepare them for future art classes. Students will also have opportunities to discuss and explore artworks and artists that have had an impact in the art world.

**MUSIC****REHEARSALS AND PERFORMANCES:**

All performance courses require rehearsals and/or performances that take place outside of the regular school hours. Please see the course handbook or syllabus for details on dates and times of these required rehearsals and concerts.

**AUDITIONS:**

Students who wish to be considered for upper-level performance ensembles and any co-curricular ensembles must complete an audition for placement. Audition information and materials may be obtained from the music faculty.

**AP MUSIC THEORY - HONORS: FA018Y****Open to:** 11, 12    **Length:** 1 year    **Credit:** 1**Prerequisite:** 2 years of music courses or department recommendation

This course is designed with the future professional musician in mind, though it is also very helpful for those who are serious about their musical knowledge and enrichment. Emphasis will be placed on the rules of music theory, aural skills, analysis, keyboard skills, and composition. Students are encouraged to take the AP Music Theory Examination in May.

**DIGITAL MUSIC PRODUCTION 1: FA020F****Open to:** 9, 10, 11, 12    **Length:** 1 semester    **Credit:** 0.5**Prerequisite:** None

In Digital Music Production 1, you will use professional-grade audio recording and editing software to learn the basics of songwriting and music composition. Whether you like rap, hip-hop, rock, jazz, classical or metal, this class will help you understand how your favorite styles of music are created and how you go about creating them yourself. By the end of the class, you will be comfortable using Soundtrap to create music that fits your own style.

**DIGITAL MUSIC PRODUCTION 2: FA021S****Open to:** 9, 10, 11, 12    **Length:** 1 semester    **Credit:** 0.5**Prerequisite:** Digital Music Production 1

In Digital Music Production 2, you will further develop as a digital musician and composer. You will continue to use professional-grade audio recording and editing software as you learn about music composition and production. You will explore how music interacts with video to tell a story (video game music, music video, etc.), collaborate with other students to record a multitrack song and continue to develop a collection of music created entirely by you. By the end of the class, you will be comfortable using Logic Pro X.

**DIGITAL MUSIC PRODUCTION STUDIO: FA025Y****Open to:** 10, 11, 12    **Length:** 1 year    **Credit:** 1**Prerequisite:** Digital Music Production 2

In DMP Studio, students will further refine their production skills, musicality, and creativity through writing and producing their own music. Working independently and as a class, students will develop a collection of original songs that work together thematically into an album. Students may repeat this course with increased expectations as they work to create a professional portfolio for use in college and the professional workplace.

**MUSIC IN AMERICA 102 - DUAL CREDIT:****FADC501F, FADC501S****Open to:** 10, 11, 12    **Length:** 1 semester    **Credit:** 0.5

IAI 3.0 college credit course 0.5 West Aurora High School

**Prerequisite:** None

This course is an overview of America's rich and diverse musical heritage from Colonial times to the present. Jazz, rock, folk and country, as well as music for the concert hall, stage and screen are explored. Successful students in this course have typically completed their previous English class with a "C" or better. Dual credit earned from Waubonsee Community College in MUS102.

**INSTRUMENTAL MUSIC****CONCERT BAND: FA009Y****Open to:** 10, 11, 12    **Length:** 1 year    **Credit:** 1**Prerequisite:** Band experience or department approval

Concert Band adheres to the principles of music for all and instills performance fundamentals while preparing two performances each semester in a less stressful atmosphere. Further, students with a desire to gain experience on a secondary instrument are encouraged to register for this ensemble.

**FRESHMAN BAND: FA008Y****Open to:** 9    **Length:** 1 year    **Credit:** 1**Prerequisite:** Band experience or department approval

Freshman Bands are available to all wind and percussion performers in grade 9. Students focus on fundamentals intended to develop high-level musicianship. Students audition during the first week of school for part and seat placement only, and every effort is made to develop two equal ensembles during the registration process.

**SYMPHONIC BAND: FA010Y****Open to:** 10, 11, 12    **Length:** 1 year    **Credit:** 1**Prerequisite:** Band experience or department approval

Symphonic Band has a dual focus on improving performance fundamentals and preparing literature for concerts. The ensemble performs a wide variety of music, mostly consisting of grade 2 and 3 repertoires. Additional emphasis is placed on individual instrumental techniques and musicianship.

**SYMPHONIC WINDS: FA011Y****Open to:** 10, 11, 12    **Length:** 1 year    **Credit:** 1**Prerequisite:** Band experience or department approval

Symphonic Winds is the third concert ensemble with placement by audition only. This ensemble is devoted to the study and performance of important wind band literature while continuing work in the development of the instrumental craft.

**WIND ENSEMBLE: FA012Y****Open to:** 10, 11, 12    **Length:** 1 year    **Credit:** 1**Prerequisite:** Band experience or department approval

Wind Ensemble is an advanced instrumental group with a major emphasis on preparing and performing challenging wind band literature for performance.

**VOCAL MUSIC****A CAPPELLA CHOIR - HONORS: FA007Y****Open to:** 10, 11, 12    **Length:** 1 year    **Credit:** 1**Prerequisite:** Choral experience and audition or department approval

A Cappella Choir is the most advanced choral group and regularly performs the collegiate-level choral literature. Continued study of vocal production, musicianship, sightsinging is emphasized in this course. In addition to quarterly evening concerts, A Cappella Choir sings at additional performances and events throughout the year. Participation in overnight tours is not required but highly recommended.

**BEL CANTO CHOIR: FA003Y****Open to:** 9, 10, 11, 12    **Length:** 1 year    **Credit:** 1**Prerequisite:** None, but previous choral experience is preferred

Bel Canto Choir is an entry-level chorus for treble voices, which offers instruction and practice in the fundamental techniques of singing. Vocal production, music theory, and music reading, as well as both ensemble and solo singing, are explored and rehearsed in this choir.

**DORIAN CHOIR: FA001Y****Open to:** 9    **Length:** 1 year    **Credit:** 1**Prerequisite:** None, but previous choral experience is preferred

Dorian Choir is an entry-level chorus for treble voices, which offers instruction and practice in the fundamental techniques of singing. Vocal production, music theory, and music reading, as well as both ensemble and solo singing, are explored and rehearsed in this choir.

**LYRIC CHORUS: FA005Y****Open to:** 10, 11, 12    **Length:** 1 year    **Credit:** 1**Prerequisite:** Choral experience and audition or department approval

Lyric Chorus is an intermediate treble choir that develops music reading, theory, vocal technique, and both ensemble and solo singing. In addition to the quarterly evening concerts, Lyric Chorus is part of West High's annual Madrigal Dinner.

**MIXED ENSEMBLE: FA004Y****Open to:** 10, 11, 12**Length:** 1 year**Credit:** 1**Prerequisite:** Choral experience and audition or department approval

Mixed Ensemble is an intermediate mixed choir that develops music reading, theory, vocal technique, and both ensemble and solo singing. In addition to the quarterly evening concerts, sopranos and altos in Mixed Ensemble are part of West High's annual Madrigal Dinner.

**VARSITY SINGERS: FA002Y****Open to:** 9, 10, 11, 12    **Length:** 1 year**Credit:** 1**Prerequisite:** Choral experience and audition or department approval

Varsity Singers is an entry-level chorus for tenor/bass voices, which offers instruction and practice in the fundamental techniques of singing. Vocal production, music theory, and music reading, as well as both ensemble and solo singing, are explored and rehearsed in this choir.

**THEATRE****STUDIO THEATRE: TA005Y****Open to:** 10, 11, 12**Length:** 1 year**Credit:** 1**Prerequisite:** Theatre performance or department approval

Studio Theatre is an advanced course for the serious performer or director. Students who take the course for the first time will create a portfolio of work that can be used in college and/or professional theatre auditions. The relationship between theatre and culture will be explored through classical and contemporary monologues. Students may repeat this course for credit, and those who do will have the option of selecting an area of emphasis, such as Contemporary Theatre, Improvisational Theatre, Shakespeare, Musical Theatre, Directing, etc. The class, as an artistic ensemble, will develop productions and perform for outside audiences. Productions will vary each semester. Theatre experiences outside of class are required during the semester (i.e. performing or serving on a production crew, directing a one-act play, attending theatrical performances, participating in theatre productions).

**THEATRE ARTS: INTRODUCTION TO ACTING: TA001Y****Open to:** 10, 11, 12**Length:** 1 year**Credit:** 1**Prerequisite:** None

Students will develop their understanding of performance and technical theatre fundamentals. Incorporating theatrical elements including characterization, theatre stage directions and terminology, basic costuming, stage makeup, movement, and improvisation, students will gain a deeper understanding of the origins of theatre and stage delivery. Students will interpret scripts to study scenes and monologues, as well as work in a scene shop environment, gaining hands-on experience with professional lighting and sound equipment as they create their own scenic designs.

**THEATRE PERFORMANCE: TA003Y****Open to:** 10, 11, 12**Length:** 1 year**Credit:** 1**Prerequisite:** Theatre Arts or department approval

Students will more deeply study aspects of performance that were introduced in Theatre Arts: Introduction to Acting. Students will learn and apply different philosophies of acting by studying methods developed by Stanislavsky and Meisner as well as develop improvisation techniques to enhance performance. Students will expand their knowledge of theatre history and genre through unit studies of Greek, Elizabethan, British Farce, French Renaissance, Restoration, Commedia dell'arte, Melodrama and American theatre. Students will develop their skills in character analysis and development, script analysis, research and performance, costuming, makeup, blocking, movement, voice and public performance.

**THEATRE TECH AND DESIGN: TA004Y****Open to:** 9, 10, 11, 12**Length:** 1 year**Credit:** 1**Prerequisite:** None

Students will immerse themselves in different aspects of technical theatre including theatre technology, set and scenery design, set construction, lighting design, sound design, rigging, and prop construction. Students will learn about and execute the various personnel roles in the theatre such as Stage Manager, Production Manager, and HouseManager. Students may repeat this course with increased expectations as they work to create a professional portfolio of all work in design and application for use in college and professional workplace.



# MATH

## ADVANCED ALGEBRA: MA427Y

**Open to:** 12      **Length:** 1 year      **Credit:** 1      **N**

**Prerequisite:** 2 Math Credits including 1 year of Algebra 2

Students will engage in deepening conceptual understanding using algebra and mathematical applications of algebra and functions and how functions naturally arise using authentic modeling situations. The function families [linear, polynomial, rational, radical, and exponential] will be emphasized. Additionally, the course shall emphasize the eight mathematical practices, particularly modeling within the setting of authentic and contextualized applications, and upon completion, the student should be able to: demonstrate and justify both orally and in writing conceptual understanding of functions combined with advanced algebraic knowledge to solve complex, contextualized, multi-step problems in authentic settings. In accordance with and subject to the PWR Act, successful attainment of transitional mathematics competencies in the STEM Pathway guarantees student placement into a community college or select university's mathematics course in a calculus-based mathematics course sequence.

## ALGEBRA 1: MA103Y

**Open to:** 9      **Length:** 1 year      **Credit:** 1      **N**

**Prerequisite:** Middle School Recommendation or Department Administrator approval

The purpose of this course is to introduce students to the study of high school Algebra. Algebra is a continuation and extension of the rules of arithmetic into a more general level, where letters [variables] are used to represent numbers. The textbook concentrates on teaching students the fundamental aspects of problem solving. The units covered: Solving linear equations; Solving linear inequalities; Graphing linear inequalities; Writing linear functions; Solving systems of linear equations; Exponential functions and sequences; Polynomial Equations and Factoring; Graphing Quadratic Functions; Solving Quadratic Functions; Radical Functions and Equations; Data Analysis and Displays.

## ALGEBRA 1 HONORS: MA107Y

**Open to:** 9      **Length:** 1 year      **Credit:** 1      **N**

**Prerequisite:** B or better in both semesters of Pre-Algebra or C or better in both semesters of Algebra

The honors course covers all topics in algebra 1, with additional topics that prepare students for honors algebra 2. There is an accelerated pace in this course. This course meets the needs of the accelerated middle school student population, who may require a better foundation in algebra, and will better prepare students for the rigor of the honors curriculum in high school.

## AP CALCULUS BC WITH ANALYTIC GEOMETRY I - DUAL CREDIT HONORS: MADC505F

**Open to:** 11, 12      **Length:** 1 semester      **N**

**Prerequisite:** IAI 4.0 college credit course 0.5 West Aurora High School credit

**Prerequisite:** "C" or better in MADC314 or SAT 660, ACT 28, & Accuplacer 279  
The honors course covers all topics in algebra 1, with additional topics that prepare students for honors algebra 2. There is an accelerated pace in this course. In addition, the course explores topics in greater depth, and integrates project-based learning. This course meets the needs of the accelerated middle school student population, who may require a better foundation in algebra, and will better prepare students for the rigor of the honors curriculum in high school.

## AP CALCULUS BC WITH ANALYTIC GEOMETRY II - DUAL CREDIT HONORS: MADC506S

**Open to:** 11, 12      **Length:** 1 semester      **N**

**Prerequisite:** IAI 4.0 college credit course 0.5 West Aurora High School credit

**Prerequisite:** "C" or better in MADC505F  
This second course in calculus and analytic geometry is a continuation of MTH131. Topics covered include exponential and logarithmic functions, calculus of trigonometric functions, volumes and other applications of integration, formal integration techniques, indeterminate forms, L'Hopital's rule, improper integrals, sequences and series, convergence tests, Taylor's formula, Taylor and Maclaurin series. This course follows the Advanced Placement course syllabus for Calculus BC along with Waubonsee's course syllabus for Math 132.

## AP CALCULUS AB-HONORS: MA431Y

**Open to:** 11, 12      **Length:** 1 year      **Credit:** 1      **N**

**Prerequisite:** Successful completion of Dual Credit Precalculus Honors or 85% or higher in both semesters of Precalculus  
This is a college-level calculus course designed for the student with a high ability in mathematics. The course follows the syllabus of the Advanced Placement Calculus AB and enables a student to test out of one semester of college calculus. The topics in this course include functions, graphs, limits, derivatives and their applications, and the integral and its applications, and transcendental functions. Successful students typically earn a "C" or better in Pre-Calculus Honors or "B" or better in Pre-Calculus.

## AP STATISTICS HONORS: MA315Y

**Open to:** 11, 12      **Length:** 1 year      **Credit:** 1      **N**

**Prerequisite:** Teacher recommendation

Topics covered include: exploring data (observing patterns and departures from patterns), designing a study (deciding what and how to measure), anticipating patterns (producing models using probability theory and simulation), statistical inference (confirming models and hypothesis testing). This course is equivalent to a one-semester, non-calculus based, introductory statistics college course. NOTE: This is not equivalent to a college statistics class in Mathematics. Any AP credit earned would be in the area of Social Science.

## ALGEBRA 2: MA313Y

**Open to:** 10, 11, 12      **Length:** 1 year      **Credit:** 1      **N**

**Prerequisite:** Geometry and teacher recommendation

The second year of Algebra reviews basic algebraic skills, and introduces the study of quadratic and polynomial functions and relations, complex numbers, logarithms, right triangle trigonometry, and the unit circle. This course requires the use of graphing calculators.

## ALGEBRA 2 EXTENDED: MA426Y

**Open to:** 10, 11, 12      **Length:** 1 year      **Credit:** 1      **N**

**Prerequisite:** Geometry and teacher recommendation

The second year of Algebra reviews basic algebraic skills, study linear and polynomial functions and relations, complex numbers, logarithms, right triangle trigonometry, and the unit circle. This replaces the study hall to give an extra half period of teacher assistance.

## ALGEBRA 2 - HONORS: MA208Y

**Open to:** 9, 10, 11      **Length:** 1 year      **Credit:** 1      **N**

**Prerequisite:** Algebra 1 and Geometry or Teacher Recommendation

The honors course covers all the topics included in Algebra 2 but at an accelerated pace and in greater depth. Additional topics are included. The emphasis is on a thorough understanding of skills and concepts and on higher levels of mathematical thinking. This course requires the use of graphing calculators. A "B" or better in Algebra 1 as well as a "C" or better in Honors Geometry is recommended.

## BASIC STATS DUAL CREDIT: MADC508S

**Open to:** 12      **Length:** 1 semester      **Credit:** 0.5      **N**

**Prerequisite:** In order to earn dual credit, students must meet one of the following: C or better in Quantitative Statistics, SAT Math minimum score of 530, ACT math minimum score of 22, or Accuplacer QAS score of 262.

This college level course focuses on mathematical reasoning and the solving of real-life problems, rather than on routine skills and appreciation. This course in mathematics is designed to assist the student in the understanding and use of numerical data. Course content includes descriptive methods, probability, probability distributions, statistical inference, confidence intervals, tests of hypotheses, and correlation and regression. Students enrolled in this course will have the option to receive Dual Credit (3 credit hours) for this course from Waubonsee Community College. This course is the equivalent of MTH 107 at WCC and is an Illinois Articulated Course. This course is only offered during the spring semester and students are required to complete Quantitative Statistics during the fall semester in order to take it.

## CALCULUS III HONORS - DUAL CREDIT: MADC509Y

**Open to:** 12      **Length:** 1 year      **N**

**Prerequisite:** IAI 4.0 college credit course 0.5 West Aurora High School credit

**Prerequisite:** MADC505, MADC506

The honors course covers all the topics included in Algebra 2 but at an accelerated pace and in greater depth. Additional topics are included. The emphasis is on a thorough understanding of skills and concepts and on higher levels of mathematical thinking. This course requires the use of graphing calculators. A "B" or better in Algebra 1 as well as a "C" or better in Honors Geometry is recommended.

## COLLEGE ALGEBRA - DUAL CREDIT: MADC501F

**Open to:** 12      **Length:** 1 semester      **Credit:** 0.5      **N**

**Prerequisite:** IAI 3.0 college credit course 0.5 West Aurora High School credit

**Prerequisite:** "C" or better in Algebra II and teacher recommendation

This course is designed to provide the STEM student with basic algebraic concepts needed to continue onto MTH131. Topics include: real numbers, complex numbers, solutions of inequalities and equations, coordinate systems, functions, polynomials, rational functions, and graphing and transformations of functions. This course is Dual Credit through Waubonsee Community College. Successful completion of this course is worth 3 credit hours. 75% or better in Algebra 2 is needed to be placed into this class.

## FINANCIAL MATH: MA412F, MA412S

**Open to:** 11, 12      **Length:** 1 semester      **Credit:** 0.5      **N**

**Prerequisite:** None

Students will apply algebra concepts to a variety of business and financial situations. Applications will include income, insurance, credit, banking, taxation, stocks and bonds, and finance.

## GEOMETRY: MA207Y

**Open to:** 9, 10, 11, 12      **Length:** 1 year      **Credit:** 1      **N**

**Prerequisite:** Algebra 1

This is the traditional year of Euclidean Plane Geometry. Emphasis is on axiomatic structures and logical proof. Additional units include area and volume of solids, and an introduction to right triangle trigonometry, transformations, and coordinate geometry.

## GEOMETRY - HONORS: MA104Y

**Open to:** 9, 10      **Length:** 1 year      **Credit:** 1      **N**

**Prerequisite:** Successful completion of Algebra 1 with Middle School placement for grade 9 or department admin recommendation

Students are expected to resolve more challenging problems and more rigorous forms of proofs. Topics include definition and applications of the geometrical system, logic and critical thinking, roots, constructions, coordinate geometry, introduction to Trigonometry, and area and volume of solids.

## MATHEMATICAL ANALYSIS: MA323Y

**Open to:** 10, 11, 12      **Length:** 1 year      **Credit:** 1      **N**

**Prerequisite:** Algebra 2

This course serves as a combined introduction to statistics and a review of critical functions. Students will learn the basics of statistics, data collection, and data analysis. Second semester will include review and application of trigonometry, exponential functions, and logarithmic functions. Upon completion, students will be equipped to go into pre-calculus or the statistics pathway.

## PRE-CALCULUS: MA422Y

**Open to:** 10      **Length:** 1 year      **Credit:** 1      **N**

**Prerequisite:** Algebra 2 Honors

Study of pre-calculus topics such as properties of real numbers, trigonometry and trigonometric functions, limits, sequences, elementary functions, and analytic geometry. Experience with graphing calculators is incorporated. This course will prepare students for college-level math leading up to Calculus.

## PRE-CALCULUS - DUAL CREDIT: MADC501Y

**Open to:** 10, 11, 12      **Length:** 1 year      **Credit:** 1      **N**

**Prerequisite:** In order to earn dual credit, students must meet one of the following: C or better in Algebra 2 both semesters, SAT Math minimum score of 530, ACT math minimum score of 22, or Accuplacer QAS score of 262.

This course is designed to provide the STEM student with basic algebraic concepts needed to continue onto MTH131. Topics include: real numbers, complex numbers, solutions of inequalities and equations, coordinate systems, functions, polynomials, rational functions, graphing transformations of functions, trigonometric functions, solution of right triangles, radian measure, fundamental identities, angular measure, trigonometric graphs, logarithms, functions of composite angles, oblique triangles, trigonometric equations, inverse trigonometric functions, and conic functions. This course is Dual Credit through Waubonsee Community College. Students will receive 6 credits (3 each semester) upon successful completion with a C or better.

## PRE-CALCULUS - DUAL CREDIT HONORS: MADC314Y

**Open to:** 11, 12      **Length:** 1 year      **Credit:** 1      **N**

**Prerequisite:** In order to earn dual credit, students must meet one of the following: C or better in Algebra 2 both semesters, SAT Math minimum score of 530, ACT math minimum score of 22, or Accuplacer QAS score of 262.

This course is designed to provide accelerated STEM students with algebraic concepts needed to complete MTH131/132 (Waubonsee Community College) successfully. It includes all Precalculus topics along with an introduction to Calculus. Due to the amount of content included, the course moves at a rigorous pace compared to other Precalculus courses offered. This course is Dual Credit through Waubonsee Community College and aligns to MTH129/130. Successful completion of this course is worth a total of 6 credit hours (3 per semester).

## PROBABILITY: MA410F, MA410S

**Open to:** 11, 12      **Length:** 1 semester      **Credit:** 0.5      **N**

**Prerequisite:** None

Probability draws material from a college level Discrete Mathematics course. Instructors selected four units of study that fit together particularly well: set theory, symbolic logic, probability, and combinatorics. These are branches of mathematics not usually explored in high school, and most students who arrive in Probability appreciate its unique nature. Students completing this course will receive a 0.5 math credit, as it only lasts one semester.

## QUANTITATIVE LITERACY AND STATISTICS: MA411F, MA411S

**Open to:** 11, 12      **Length:** 1 semester      **Credit:** 0.5      **N**

**Prerequisite:** Teacher recommendation

Statistics is in the Quantitative Literacy and Statistics Pathway for students which focuses on attaining competency in general statistics, data analysis, quantitative literacy, and problem-solving. This pathway is intended for students whose career goals do not involve occupations relating to either the STEM or Technical Math Pathway or those who have not yet selected a career goal. In accordance with and subject to the PWR Act, successful attainment of transitional mathematics competencies in the Quantitative Literacy and Statistics Pathway guarantees student placement into a community college GECC mathematics course not in a calculus-based course sequence which includes general education statistics, general education mathematics, quantitative literacy, or elementary math modeling. Students who take this course during the fall semester will take Basic Statistics Dual credit during the spring semester.

## TECHNICAL MATHEMATICS - DUAL CREDIT: MADC399Y

**Open to:** 11, 12      **Length:** 1 year      **Credit:** 0.5      **N**

**Prerequisite:** IAI 3.0 college credit course 0.5 West Aurora High School credit

**Prerequisite:** Equivalence of a full year of Algebra 1

This course has been lengthened to a full-year and is now aligned with an existing course at Waubonsee Community College. It is intended for students participating in the Auto, Machining, Welding or other manufacturing programs at the Weisner Family Center for Career Development. This course is dual credit with MTH103 at Waubonsee Community College.



# PHYSICAL, HEALTH, AND DRIVERS EDUCATION

## ADAPTED PE LEADERS: PE353F, PE354S

**Open to:** 10, 11, 12    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** Teacher recommendation

In this course, students will engage in a one-on-one partnership with a fellow student who requires physical assistance due to a disability. Each student will help modify activities and provide support, ensuring a safe and inclusive experience. Success in this course requires patience, consistent attendance (as their partner will rely on them), and a positive, outgoing attitude. This is a unique opportunity to develop empathy, teamwork, and leadership skills while making a meaningful impact on others' physical education journey.

## ADAPTIVE PE: PE113F, PE114S

**Open to:** 9, 10, 11, 12    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** A doctor's note excusing the student from regular physical education & consent of department administrator

In this class, students will work one on one with an adapted PE leader while they learn and participate in activities (after team building). This class also includes weekly team building and workouts in the fitness center. Each activity will be modified to meet the individual needs of the student. This class focuses on both social and physical health.

## ADVENTURE PE: PE247F, PE248S

**Open to:** 11, 12    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** A doctor's note excusing the student from regular physical education & consent of department administrator

This course offers non-traditional activities that help develop teamwork, trust, and leadership skills. The curriculum also includes short units in hiking, canoeing, and wall climbing. Fees using the Fitnessgram assessments per the State of Illinois. \*This course will utilize heart rate monitors during fitness activities to allow students to self-assess their fitness levels.

## AFJROTC 1 (FIRST-YEAR CADETS): CT151Y

**Open to:** 9, 10, 11, 12    **Length:** 1 year    **Credit:** 1

**Prerequisite:** Application and program acceptance

Air Force Junior ROTC is a leadership and citizenship program. Students will be selected based on teacher recommendation and a completed application – space is limited. First-year cadets study the Science of Flight, Health and Fitness, leadership and drill. Topics also include the history of the flag, the structure of the Air Force and the opportunity to join the Drill Team or Color Guard. Student-led community service, social and educational events are part of the program. Cadets will be issued a uniform, which must be worn one day per week, and cadets are required to meet USAF hair and grooming standards while in uniform.

## AFJROTC 2 (SECOND-YEAR CADETS): CT210Y

**Open to:** 10, 11, 12    **Length:** 1 year    **Credit:** 1

**Prerequisite:** AFJROTC, Instructor Recommendation

Air Force Junior ROTC is a leadership and citizenship program. Students will be selected based on teacher recommendations. Second-year cadets study Science of Flight, Health and Fitness, leadership and drill. Topics also include communication, conflict resolution and leadership styles, with an opportunity to join the Drill Team or Color Guard. Student-led community service, social and educational events are part of the program. Cadets will be issued a uniform, which must be worn one day per week. Cadets are required to meet USAF hair and grooming standards while in uniform.

## AFJROTC 3 (THIRD-YEAR CADETS): CT310Y

**Open to:** 11, 12    **Length:** 1 year    **Credit:** 1

**Prerequisite:** AFJROTC 2, Instructor Recommendation

Air Force Junior ROTC is a leadership and citizenship program. Students will be selected based on teacher recommendations. Third-year cadets study Science of Flight, Health and Fitness, leadership and drill. Topics also include communication, conflict resolution and leadership styles, with an opportunity to join the Drill Team or Color Guard. Student-led community service, social and educational events are part of the program. Cadets will be issued a uniform, which must be worn one day per week. Cadets are required to meet USAF hair and grooming standards while in uniform.

## AFJROTC 4 (FOURTH-YEAR CADETS): CT410Y

**Open to:** 12    **Length:** 1 year    **Credit:** 1

**Prerequisite:** Approval of Instructor, 3 years of JROTC experience

The Mission of Air Force JROTC is to develop citizens of character. Students must have completed AFJROTC 3 and have instructor approval to enter AFJROTC 4. Fourth-Year Cadets study Science of Flight, Health and Wellness, and Leadership. Topics also include communication, management, personal leadership styles and other related topics. They also have an opportunity to join the Drill Team or Color Guard. Fourth-Year students are expected to assume active leadership roles in the Corps. They will organize, plan and manage cadet activities throughout the academic year. Cadets will be issued a uniform, which must be worn one day per week. Cadets must also meet all applicable USAF hair and grooming standards while in uniform.

## AFJROTC (DRILL AND CEREMONIES): CT510Y

**Open to:** 10, 11, 12    **Length:** 1 year    **Credit:** 1

**Prerequisite:** Approval of Instructor, in addition to JROTC 1, 2, or 3

The Mission of Air Force JROTC is to develop citizens of character. Students must have completed AFJROTC 3 and have instructor approval to enter AFJROTC 4. Fourth-Year Cadets study Science of Flight, Health and Wellness, and Leadership. Topics also include communication, management, personal leadership styles and other related topics. They also have an opportunity to join the Drill Team or Color Guard. Fourth-Year students are expected to assume active leadership roles in the Corps. They will organize, plan and manage cadet activities throughout the academic year. Cadets will be issued a uniform, which must be worn one day per week. Cadets must also meet all applicable USAF hair and grooming standards while in uniform.

## ATHLETIC PHYSICAL EDUCATION: PE231F, PE232S

**Open to:** 10, 11, 12    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** None

Athletic PE provides a physical education credit for sport-specific training protocols, during the school day, that are designed to increase overall athleticism for the student/athlete's chosen sport. Student athletes should receive recommendations from head coaches of their respective sports prior to enrollment. All students will be fitness tested using the Fitnessgram assessments per the State of Illinois.

## DRIVER EDUCATION CLASS: PE219F, PE220S

**Open to:** 10, 11, 12    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** 4 credits on transcript record-passing 8 courses previous two semesters, minimum age of 15, a social security number

This is a three-phase program: Classroom, simulation, and behind the wheel. It is designed to help the student learn basic car control and observation of human and natural laws. It emphasizes defensive driving. Students will be assigned according to the oldest first. A participation fee is required in addition to the state registration fee. A student who has taken Driver Education and failed any portion of the course will be placed at the end of the waiting list and will be required to pay a participation fee if he/she repeats the class. A student must pass all parts of the Driver Education course to be eligible to take the driving test for a license. Students will receive two grades: a classroom grade and a lab grade. Students have a pass/fail option for the class grade; however, the lab grade is not factored into the GPA. No Drivers Education from an outside source will be accepted for credit.

## FRESHMAN PHYSICAL EDUCATION: PE104F, PE105S

**Open to:** 9    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** None

The State of Illinois requires all students to take a Physical Education class. This coeducational class will offer a variety of activities to provide a foundation for physical skills and knowledge needed to live a healthy life. This will include fitness education, heart rate monitors, team sports and individual sports. All students will be fitness tested using the Fitnessgram assessments per the State of Illinois. \*This course will utilize heart rate monitors during fitnessactivities to allow students to self-assess their fitness levels.

## HEALTH EDUCATION: PE106F, PE107S

**Open to:** 9, 10, 11, 12    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** None

The State of Illinois requires all students to complete a course of study in Health Education. The purpose of the class is to promote healthy lifestyles based on knowledge gained from the latest research. The course will include skill-development in making responsible decisions, avoiding risk behaviors (such as alcohol/drug use and premature sexual activity), managing and reducing stress, building personal identity, making healthy diet choices, building and maintaining healthy personal relationships, and preventing disease.

## HYBRID PE: PE106F, PE107S

**Open to:** 10, 11, 12    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** Must be enrolled in one of the following career courses: Auto 1 or 2, Welding 1 or 2, Building Trades or Advanced Building Trades, Precision Machining 1 or 2, CNA, Early Childhood Occupations 1 or 2, Intro to Education Clinicals, Internship

This course is specifically designed for 10th-12th grade students enrolled in double-block CTE programs, offering a flexible, personalized approach to physical fitness and overall wellness that fits their unique schedules. Throughout the semester, students will engage with key health topics, including nutrition, mental wellness, and making informed lifestyle choices for long-term well-being. Regular physical activity is a key component of the course. Students will track their exercise routines and heart rate using Polar watches, submitting this data to ensure accountability and measure fitness progress. Additionally, students will engage with self-paced, online health modules via Edgenuity, providing an individualized learning experience in a tech-driven environment.

## LIFETIME PHYSICAL EDUCATION: PE237F, PE238S

**Open to:** 11, 12    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** None

This course incorporates FITT principles into activities that individuals could participate in over a lifetime. These activities include: badminton, volleyball, softball, tennis, jogging/speed walking and golf. All students will be fitness tested using the Fitnessgram assessments per the State of Illinois. \*This course will utilize heart rate monitors during fitnessactivities to allow students to self-assess their fitness levels.

## MIND AND BODY WELLNESS: PE249F, PE250S

**Open to:** 11, 12    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** None

This course will help students discover their natural state of health, energy, and clarity. It will also introduce tools and activities which foster balance and harmony. Students will develop muscular endurance and flexibility with use of light weights. There will be an emphasis placed on stretching and relaxation techniques along with an exploration of self defense techniques to help students learn to manage their stress levels.

## OFFICIATING AND COACHING: PE362S

**Open to:** 11, 12    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** Freshman PE, Sophomore PE and one General PE course

In this semester-long course, students will learn how to officiate sporting events and apply these skills in the physical education classes and school community for job opportunities. This class will focus on rules and regulations of sports, officiating games, coaching strategies, and conflict resolution within the sporting atmosphere. Students will have the opportunity to become licensed officials through the State of Illinois during this class. A maximum of 2 semesters can be completed in this class. All students will be fitness tested using the Fitnessgram assessments per the State of Illinois. \*This course will utilize heart rate monitors during fitnessactivities to allow students to self-assess their fitness levels.

## PHYSICAL EDUCATION LEADERSHIP 1: PE349F, PE350S

**Open to:** 10, 11    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** Teacher recommendation

This course offers students the opportunity to develop leadership skills, learn how to teach a skill, develop conflict resolution techniques, and are exposed to other strategies needed to be a teacher. This course is available to sophomores and juniors only. All students will be fitness tested using the Fitnessgram assessments per the State of Illinois. \*This course will utilize heart rate monitors during fitness activities to allow students to self-assess their fitness levels

## PHYSICAL EDUCATION LEADERSHIP 2: PE351F, PE352S

**Open to:** 10, 11, 12    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** Teacher recommendation and Leader 1

This course offers students the opportunity to apply skills learned in the Leader 1 course in the general PE classroom setting. All students will be fitness tested using the Fitnessgram assessments per the State of Illinois.

## PHYSICAL EDUCATION LEADERSHIP 3: PE355F, PE355S

**Open to:** 11, 12    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** PE Leaders 1 or 2, teacher recommendation and interview with PE committee, as well as a form of transportation to school every day

This course offers students the opportunity to develop leadership skills, learn how to teach a skill, develop conflict resolution techniques, and are exposed to other skills needed to be a teacher in a special education setting at Jewel Middle School or Hope D. Wall School. This course is open exclusively to Juniors and Seniors who can ensure daily access to reliable transportation. All students will be fitness tested using the Fitnessgram assessments per the State of Illinois.

## PERSONAL FITNESS PHYSICAL EDUCATION: PE243F, PE244S

**Open to:** 11, 12    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** None

This course incorporates FITT principles with the use of cardio equipment, strength machines, and other activities to help students strive to meet personal fitness goals. All students will be fitness tested using the Fitnessgram assessments per the State of Illinois. \*This course will utilize heart rate monitors during fitness activities to allow students to self-assess their fitness levels

## SOPHOMORE PHYSICAL EDUCATION: PE241F, PE242S

**Open to:** 10    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** Freshman PE

During Sophomore PE, the students will build on the fitness skills and knowledge provided in their freshman year. Students will participate in team and individual skill activities. This course also includes CPR/AED, taught through the American Heart Association curriculum. All students will be fitness tested using the Fitnessgram assessments per the State of Illinois. \*This course will utilize heart rate monitors during fitnessactivities to allow students to self-assess their fitness levels.

## SOPHOMORE PHYSICAL EDUCATION: PE245F, PE246S

**Open to:** 11, 12    **Length:** 1 semester    **Credit:** 0.5

**Prerequisite:** None

This course incorporates FITT principles into team sports activities. Units could include softball, lacrosse, volleyball, football, basketball, recreational games and team building activities. All students will be fitness tested using the Fitnessgram assessments per the State of Illinois. \*This course will utilize heart rate monitors during fitnessactivities to allow students to self-assess their fitness levels

# SCIENCE

## AP BIOLOGY - HONORS: SC423Y

**Open to:** 10, 11, 12    **Length:** 1 year    **Credit:** 1    **N**

**Prerequisite:** Teacher recommendation, "B" or better in Biology, "B" or better in Chemistry or concurrent enrollment.

The revised AP Biology course shifts from a traditional teacher-directed "content coverage" model of instruction to one that focuses on helping students gain an understanding of biological concepts and the scientific evidence that supports them. This approach enables students to spend more time understanding biological concepts while developing reasoning skills essential to the science practices used throughout their study of biology. This connection will be made using an inquiry approach with the curriculum, laboratory activities, and developing critical thinking skills. All students are strongly encouraged to take the AP exam in May.

## AP CHEMISTRY - HONORS: SC422Y

**Open to:** 11, 12    **Length:** 1 year    **Credit:** 1    **N**

**Prerequisite:** "B" or better in Chemistry and Physics - teacher recommendation.

This course is an intensive, second-year course in Chemistry. This laboratory oriented course uses a first-year college chemistry text and a laboratory program supplemented with college-level experiments. This course follows the National Advanced Placement curriculum.

## AP ENVIRONMENTAL SCIENCE - HONORS: SC313Y

**Open to:** 10, 11, 12    **Length:** 1 year    **Credit:** 1    **N**

**Prerequisite:** Teacher recommendation

The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental Science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry and geography.

## AP PHYSICS 1 - HONORS: SC312Y

**Open to:** 10, 11, 12    **Length:** 1 year    **Credit:** 1    **N**

**Prerequisite:** Teacher recommendation, passed one year of geometry, concurrent enrollment in Precalculus is recommended.

This course uses the concept development approach. Concepts are used to help the student understand the nature of the physical world, and then is used to solve problems. A laboratory is a basic tool for exploring, learning and is supplemented with Mechanical Universe excerpts and simulations. Topics include: mechanics, relativity, energy, electricity, sound and light.

## AP PHYSICS 2 - HONORS: SC421Y

**Open to:** 11, 12    **Length:** 1 year    **Credit:** 1    **N**

**Prerequisite:** "B" or better in Physics, passed AP Physics 1, or teacher recommendation.

This intensive second-year course in Physics is for students seeking additional topics in Physics. This course follows the National AP Physics 2 curriculum as prescribed by the College Board. The course is not calculus-based and therefore students should be careful to examine the ramifications of this course based on college plans. Please consult your guidance counselor or science instructor for more details.

## ANATOMY AND PHYSIOLOGY: SC420Y

**Open to:** 11, 12    **Length:** 1 year    **Credit:** 1    **N**

**Prerequisite:** Physics or concurrent enrollment or teacher recommendation.

This lab-oriented course focuses on the relationship between structure and function in the human body. After an introductory unit to establish background knowledge and an analysis of the four different tissue types, students will investigate the functions of all eleven-organ systems in the human body, the ways that the structure of these systems are related to their functions, and how structure and function are affected by disease.

## ANIMAL BEHAVIOR: SC411F, SC412S

**Open to:** 10, 11, 12    **Length:** 1 semester    **Credit:** .5    **N**

**Prerequisite:** Previous science credit including Chemistry or concurrent enrollment in core science course

This course is a study of the nervous and endocrine systems of animals and how these systems relate to behavior, communication and learning in animals.

## ASTRONOMY: SC417F, SC418S

**Open to:** 10, 11, 12    **Length:** 1 semester    **Credit:** .5    **N**

**Prerequisite:** Previous science credit including Chemistry or concurrent enrollment in core science course

This is an introduction to the methods used to study the solar system, galaxy, and universe. It also includes a detailed study of the earth and the other planets with an emphasis on man's history and future in space exploration.

## BIOLOGY: SC102Y

**Open to:** 9    **Length:** 1 year    **Credit:** 1    **N**

**Prerequisite:** 8th-grade placement.

Biology serves as an introduction to the life sciences as outlined in the Next Generation Science Standards. It includes the integration of science and engineering practices as well as crosscutting concepts in order to develop the students' understanding of the disciplinary core ideas in biology. In addition to the life science and relevant earth science concepts, other topics may include but are not limited to the conservation of resources, including air pollution, water pollution, pesticides, preservation of wilderness areas, forest management, protection of wildlife and human care of domestic animals.

## BIOLOGY - HONORS: SC103Y

**Open to:** 9    **Length:** 1 year    **Credit:** 1    **N**

**Prerequisite:** 8th-grade placement.

Honors Biology is a more in-depth study of the living world as outlined in the Next Generation Science Standards. Science and engineering practices as well as crosscutting concepts are used to promote a deeper understanding of the disciplinary core ideas in biology as well as related Earth science topics. Independent study and group projects facilitated by the instructor are intended to develop a greater understanding of the complexity, diversity, and interconnectedness of life on Earth.

## CHEMISTRY: SC206Y

**Open to:** 10, 11    **Length:** 1 year    **Credit:** 1    **N**

**Prerequisite:** None.

Understanding chemistry allows us to make sense of the world around us and to make decisions and discoveries to improve the quality of life. This Chemistry course aligns to the Next Generation Science Standards, and provides preparation in laboratory techniques, knowledge of chemical concepts, and problem-solving skills. Relevant earth and space science concepts will also be integrated into the curriculum.

## CHEMISTRY - HONORS: SC207Y

**Open to:** 10, 11    **Length:** 1 year    **Credit:** 1    **N**

**Prerequisite:** Honors Biology or teacher recommendation and completed Algebra sequence.

Sophomore Honors Chemistry is a laboratory science course in which students investigate the composition of matter and the physical and chemical changes it undergoes. Students learn/use skills to study the fundamental structure of atoms, the way atoms combine to form compounds, and the interactions between matter and energy.

## ENVIRONMENTAL SCIENCE: SC413F, SC414S

**Open to:** 10, 11, 12    **Length:** 1 semester    **Credit:** .5    **N**

**Prerequisite:** Minimum 1 science credit or concurrent enrollment in a core science course.

This course is designed to introduce students to major ecological concepts and the environmental problems that affect the world in which they live. The curriculum focuses on real-life issues, promoting awareness and understanding of everyday problems. Emphasis is placed on students working together towards possible solutions.

## FORENSIC SCIENCE: SC409F, SC410S

**Open to:** 11, 12    **Length:** 1 semester    **Credit:** .5    **N**

**Prerequisite:** Complete Biology and Chemistry.

Forensic Science courses examine the application of science to the criminal and civil laws that are enforced by police agencies in the criminal justice system. Students will participate in hands-on labs, discussions, data analysis, and experience first-hand some of the techniques, theories, and situations that those in the field experience every day. Topics covered typically include the investigation of DNA, anthropology, fingerprinting, fiber analysis, ballistics, toxicology, entomology, blood and serology. This course will integrate student experiences and knowledge from other science courses offered.

## HORTICULTURE: SC415F, SC416S

**Open to:** 11, 12    **Length:** 1 semester    **Credit:** .5    **N**

**Prerequisite:** Complete 2 years of science.

This course will explore the horticulture industry through lessons focusing on basic background information about this field study, the importance of horticulture, environmental impacts of horticulture, and career opportunities. Students will also build basic biology course work in a unit that addresses plant anatomy and physiology. Plant propagation through various methods will also be covered. Students will study the properties and components of growing media as well as nutrients, and fertilizers. Pest management will also be addressed in the horticulture curriculum.

## HUMAN BIOLOGY (LECTURE) BIO102 - DUAL CREDIT: SCDC503S

**Open to:** 11, 12    **Length:** 1 semester    **Credit:** .5    **N**

**Prerequisite:** IAI 3.0 college credit course 0.5 West Aurora High School credit

**Prerequisite:** "C" or better in Biology or Biologo-Honors and a "C" or better in Chemistry or Chemistry-Honors.

This general survey course focuses on the biology of the human organism. Concepts include the structure, organization, and function of human systems with a focus on the interconnectedness of these systems, health and disease, growth and development, genetics, and evolution. Emphasis is placed on the relationship of the issues to the individual and society.

## INTRODUCTION TO BIOLOGY BIO100 - DUAL CREDIT (LECTURE): SC500F

**Open to:** 11, 12    **Length:** 1 semester    **Credit:** .5    **N**

**Prerequisite:** IAI 3.0 college credit course 0.5 West Aurora High School credit

**Prerequisite:** "C" or better in Biology or Biologo-Honors and a "C" or better in Chemistry or Chemistry-Honors.

This general survey course deals with selected concepts and theories in biology such as organization, function, heredity, evolution and ecology. Biology issues with personal and social implications are introduced to allow students to make informed decisions regarding issues with a biological basis. Note: Not intended for students majoring in biology or the health professions.

## INTRODUCTION TO BIOLOGY LABORATORY

### BIO101 - DUAL CREDIT: SCDC501F, SCDC500F

**Open to:** 11, 12    **Length:** 1 semester    **Credit:** 1    **N**

**Prerequisite:** IAI 1.0 college credit course 0.5 West Aurora High School credit

**Prerequisite:** "C" or better in Biology or Biologo-Honors and a "C" or better in Chemistry or Chemistry-Honors.

This general survey course focuses on the biology of the human organism. Concepts include the structure, organization, and function of human systems with a focus on the interconnectedness of these systems, health and disease, growth and development, genetics, and evolution. Emphasis is placed on the relationship of the issues to the individual and society.

## PHYSICS: SC309Y

**Open to:** 10, 11, 12    **Length:** 1 year    **Credit:** 1    **N**

**Prerequisite:** Chemistry course, Geometry and teacher recommendation.

This course is a presentation of the laws of nature with the study and conformation of these laws in the laboratory. It develops fact-pursuing skills along with problem-solving techniques. It includes units in the following areas: motion, Newton's laws, forces, work, energy, momentum, waves, sound, light, mechanics, and electrical energy.

## INVESTIGATIONG EARTH'S SYSTEMS: SC307Y

**Open to:** 11, 12    **Length:** 1 year    **Credit:** 1    **N**

**Prerequisite:** Complete Biology and Chemistry.

In this course, students will take an investigative approach to develop answers to questions such as "Why do extreme weather events occur?", "what causes volcanoes and earthquakes and what effects do they have on the planet?", and "How do human activities impact the environment?" this course is designed to develop investigation skills and frameworks of thinking which will prepare students to investigate various Earth Science concepts through the lens of key content from Biology, Chemistry and Physics.

## RESEARCH BASED INTERNSHIP: SC399Y

**Open to:** 11, 12    **Length:** 1 semester    **Credit:** .5    **N**

**Prerequisite:** Students will be placed into this course by their teacher as a capstone of their pathway experience.

The Research-Based Internship course provides select students with the opportunity to explore areas of special interest that expand on their classroom studies or develop their knowledge in a particular discipline. Students will learn research methods and tools, participate in activities, and develop collaboration and communication skills. By partnering with a business mentor, students will use research to find a solution to disciplinary-specific issues in today's world.



# SOCIAL STUDIES

## AMERICAN STUDIES: SS308Y

**Open to:** 11      **Length:** 1 year      **Credit:** 2      **N**  
*1 credit of U.S. History, 1 credit of Junior English*

**Prerequisite:** Teacher recommendation.

This course is highly recommended for students who are interested in studying history and literature in an integrated way. Through this approach, students will learn about American culture, past and present, through a study of primary and secondary documents, literature, and the fine arts (music, paintings, material culture, architecture, and film). Through this course of study, students will recognize the rich dynamics, connections between American history, literature, and culture. Students in this class have many opportunities to collaborate with peers, participate in dialogue, and engage in simulations that will help them improve their critical thinking, reading, writing, and research skills. Two teachers (Social Studies and English) facilitate the class, but students are also a part of the team. This is a yearlong course that meets for two consecutive periods every day in a large group format. Students will receive one required credit in U.S. History, and one required credit for Junior English.

## AP AMERICAN GOVERNMENT – HONORS: SS421F, SS422S

**Open to:** 12      **Length:** 1 semester      **Credit:** 0.5      **N**  
**Prerequisite:** Teacher recommendation.

AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications and develop evidencebased arguments. In addition, they will complete political science research or applied civics project. The course will prepare students for the AP Government Exam, given annually in May. This course satisfies the State of Illinois' requirement for civic education.

## AP EUROPEAN HISTORY – HONORS: SS211Y

**Open to:** 10      **Length:** 1 year      **Credit:** 1      **N**  
**Prerequisite:** Teacher recommendation.

AP European History will examine how and why European societies have changed historically over time. Beginning with the historical era of the Renaissance, students will gain insight into the political, economic and social factors of European society. Students will utilize a variety of supplementary materials in class; including, primary and secondary sources, maps, graphs, charts, political cartoons and biographical readings. The AP curriculum, as established by the Advanced Placement College Board, demands analytical skills within a rigorous academic context. The extent of in-depth reading, writing and analytical skills are greater than that required in a regular high-school level history survey class. This course will prepare students for the AP European History Exam, given annually in May.

## AP HUMAN GEOGRAPHY – HONORS: SS210Y

**Open to:** 9, 10      **Length:** 1 year      **Credit:** 1      **N**  
**Prerequisite:** Middle School placement

AP Human Geography introduces high school students to college-level introductory human geography or cultural geography. The content is presented thematically rather than regionally and is organized around the discipline's main subfields: economic geography, cultural geography, political geography, and urban geography. The approach is spatial and problem oriented. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. Historical information serves to enrich analysis of the impacts of phenomena such as globalization, colonialism, and human-environment relationships on places, regions, cultural landscapes, and patterns of interaction.

## AP MACROECONOMICS – HONORS: SS423F, SS424S

**Open to:** 12      **Length:** 1 semester      **Credit:** 0.5      **N**  
**Prerequisite:** Teacher recommendation

AP Macroeconomics will give students a thorough understanding of economic principles that apply to all economic systems. The AP course emphasizes 5 units of study: (1) Basic Economic Concepts; (2) Measurements of Economic Performance; (3) National Income and Price Determination; (4) Economic Growth; (5) International Finance and Exchange Rates and Balance of Payments. Students must have strong writing capability and style and will be required to work on multiple items simultaneously. A strong math background is helpful but not required. Students will perform college-level work and be prepared to take the Advanced Placement exam, given annually in May. This course satisfies the State of Illinois' requirement for consumer economics.

## AP PSYCHOLOGY – HONORS: SS314Y

**Open to:** 11, 12      **Length:** 1 year      **Credit:** 1      **N**  
**Prerequisite:** Teacher recommendation.

AP Psychology is a year-long honors course with an AP level rigor and daily reading of college-level texts. It is designed to introduce students to the systematic and scientific study of individual behavior and mental processes. Students will be exposed to the psychological facts, principles and phenomena associated with each of the major subfields within psychology, including research methods, neuroscience, physiology & anatomy and statistics. Students will also learn such skills as understanding concepts, analyzing data and scientific investigation. Students must have strong reading and writing capability, style and will be required to work on multiple items simultaneously. Students will be expected to perform college level work and be prepared to take the Advanced Placement exam, given annually in May.

## AP RESEARCH – HONORS: SS431Y

**Open to:** 11, 12      **Length:** 1 year      **Credit:** 1      **N**  
**Prerequisite:** Teacher recommendation.

This yearlong course, along with AP Seminar, is the complementary course offered as part of the AP Capstone Program. Students in this course will explore various research methods. Further, students will plan and complete a year-long independent investigative research project. Students enrolled in this course will submit a final portfolio to AP College Board, containing artifacts and a written paper. The culmination of the course includes a presentation with an oral defense. *Note: Per AP College board, AP Seminar is required prerequisite. Students who successfully earn scores of three or higher in AP Seminar and AP Research and for additional AP exams of their choosing receive the AP Capstone Diploma. Students who are scores of 3 or higher in both AP seminar and research, but not on four additional AP exams, receive the AP seminar and research certificate.*

## AP UNITED STATES HISTORY – HONORS: SS309Y

**Open to:** 11      **Length:** 1 year      **Credit:** 1      **N**  
**Prerequisite:** Teacher recommendation.

AP United States History focuses on developing students' abilities to think conceptually about U.S. History from approximately 1491 to the present while applying historical thinking skills as they learn about the past. Eight themes of equal importance-American and national identity; work, exchange, and technology; geography and the environment; migrant and settlement; politics and power; America in the World; American and Regional Culture; and social structures. This course also incorporates the following State of Illinois' mandates for social studies instruction: African American history, the Holocaust and genocide, women in history, the history of people with disabilities and the disabilities rights movement, Asian American history, and the history of the Hispanic and LGBTQ+ communities. These themes require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places. High importance is placed on reading and writing. The class will prepare students for the AP US History exam, given annually in May. This course satisfies the State of Illinois' requirement for US History.

## AP WORLD HISTORY – HONORS: SS106Y

**Open to:** 9      **Length:** 1 year      **Credit:** 1      **N**  
**Prerequisite:** Teacher recommendation.

As stated on the College Board website, A P World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from around 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts such as humans and the environment, cultural developments and interactions, governance, economic systems, social interactions, and organization, as well as technology and innovation.

## CIVICS: SS415F, SS416S

**Open to:** 12      **Length:** 1 semester      **Credit:** 0.5      **N**  
**Prerequisite:** None

This course examines the origins and purposes of government and the U.S. and Illinois Constitution. Additional topics include civil liberties, flag etiquette, political parties, public policies and the rights and responsibilities of individuals in the political system. Throughout the course, students will think critically and actively engage in class discussions about current and controversial issues. Students will participate in projects and simulations that promote civic engagement. The course satisfies the State of Illinois requirement for civic education.

## ECONOMICS: SS417F, SS418S

**Open to:** 12      **Length:** 1 semester      **Credit:** 0.5      **N**  
**Prerequisite:** None

This course is an introduction to the essential features of economic performances, allocation of resources, scarcity, and the role of government in the management of economic systems. It is designed to provide students with the economic tools necessary to analyze and understand economic problems. Included is the study of microeconomics, macroeconomics, international trade, the stock market, monopolies, economic policy, supply and demand, economic growth, the Federal Reserve, and the economic problems of inflation, unemployment, and poverty. This course satisfies the State of Illinois requirements for Consumer Education.

## GLOBAL EVENTS 1900 TO PRESENT: SS207Y

**Open to:** 10, 11, 12      **Length:** 1 year      **Credit:** 1      **N**  
**Prerequisite:** None

This investigative course will look at historical events through the context of current events in order to discover the impact events from the 1900's to the present have had on modern society. Linking past and present, the course will investigate and connect the principal dimensions of the multi-faceted global world in which we live. Emphasis will be placed on World War I & II, the Holocaust (including a field trip to the Holocaust Museum in Skokie, IL) the Cold War and links to modern-day terrorism. Attention will also be given to political, economic, religious, and cultural conflicts that are headlining newspapers, television programming and other popular media outlets on a daily basis. The course is flexible in nature to accommodate significant current events happening in real time, but the general direction of the class will study how the world developed into what it is today and predict where it is going next. Students will be challenged to develop and defend their opinions on many different issues on a daily basis. The major course assignment is an oral history research project.

## HISTORICALLY UNDERREPRESENTED GROUPS IN U.S. SOCIETY: SS212Y (H.U.G.U.S)

**Open to:** 11, 12      **Length:** 1 year      **Credit:** 1      **N**  
**Prerequisite:** None

This course provides opportunities to analyze the contributions, struggles and successes of underrepresented groups throughout the history of the United States of America. Emphasis will be placed on reading, writing, and critical analysis skills. Students will focus on Native Americans, Black/African-Americans, and Latinx people from the colonial period to the modern-day, with an additional focus on the contributions of women from underrepresented groups. There will be a significant emphasis on current events and making connections between history and our modern context. Students will have the opportunity for a quarter-long independent study of an underrepresented group of their choosing, in addition to the prescribed curriculum.

## PSYCHOLOGY: SS312Y

**Open to:** 11, 12      **Length:** 1 year      **Credit:** 1      **N**  
**Prerequisite:** None

Psychology is designed for the college-bound student (2 or 4 years) with an interest in social studies and the working of the human mind and behavior. The curriculum for this course will allow students to explore major concepts and theories in psychology with a heavy emphasis on content that is applicable to daily living. Students completing this course will have a greater awareness and knowledge of the human environment and individuals. This course focuses on psychology as a science (history of psychology, research methods, the brain and senses, memory, principles of learning, consciousness, personality, developmental psychology, psychological disorders, treatment, and social relations). Students electing to take the course should have an interest in social sciences and expect regular nightly readings along with assignments, content discussion, and analysis that foster critical thinking skills.

## PSYCHOLOGY - DUAL CREDIT: SSDC500Y

**Open to:** 12      **Length:** 1 year      **Credit:** 1      **N**  
*IAI 3.0 college credit course 1 West Aurora High School credit course*

**Prerequisite:** None

This course provides a survey of the study of psychological phenomena such as mental processes and behavior, emphasizing the scientific methods and ethical standards of contemporary psychological investigation. Topics include an introduction to the psychological content domains of: biology of behavior, sensation and perception, learning, memory, cognition, motivation, emotion, life-span development of behavior, personality, abnormal behavior and its therapies, social behavior and individual differences.

## SOCIOLOGY: SS310Y

**Open to:** 11, 12      **Length:** 1 year      **Credit:** 1      **N**  
**Prerequisite:** None

This is the scientific study of society, involving all forms of human interaction and behavior. This includes such topics as marriage/family, gender roles, including the history of women in America, religion, the history of people with disabilities and the disability rights movement, education, racism, social classes, occupations, and deviant behavior. The analysis of selected readings, videos, and projects on social behavior is an integral part of the course content. Students electing to take the course should have an interest in social sciences and expect college-prep readings, assignments, content discussion and analysis that foster critical thinking skills. Projects will be assigned throughout the course of the year demonstrating applicable knowledge learned throughout the course setting. Students will complete a service-learning requirement, which will predominantly be completed during class time.

## UNITED STATES HISTORY: SS307Y

**Open to:** 11      **Length:** 1 year      **Credit:** 1      **N**  
**Prerequisite:** None

This course is a chronological study of the United States starting with the American Revolution and ending with the current administration. The course will emphasize issues that have united and divided the nation, as well as the growth of democratic institutions. Students will analyze political, economic and social issues related to United States History. This course incorporates the following State of Illinois' mandates for social studies instruction: African American history, the Holocaust and genocide, women in history, the history of people with disabilities and the disabilities rights movement, Asian American history, and the history of the Hispanic and LGBTQ+ communities. Students will develop college-preparatory skills and enhance reading comprehension through primary and secondary source documents. This course satisfies the State of Illinois' requirement for US history.



**WORLD CULTURES: SS104Y**

Open to: 9, 10      Length: 1 year      Credit: 1      N

**Prerequisite:** None

This course explores the diversity of the world through physical geography, cultural geography, art, religion, government, economics, and sociological perspectives. Students will examine the way humans interact with each other and the environment, which is vital to understanding the vast number of unique cultures that inhabit the earth today. This course will discuss cultural conflicts from around the world, their origins, and their influence on the United States. Throughout the school year, students will study these themes as they apply to North, Central and South America, Europe, North Africa and the Middle East, sub-Saharan Africa and Asia.

**WORLD HISTORY: SS105Y**

Open to: 9, 10      Length: 1 year      Credit: 1      N

**Prerequisite:** None

World History is a one year course that will develop core academic skills in reading, writing, inquiry, and analyzing while studying history. Patterns and shifts in political and economic systems, social structures, religious beliefs and ideologies, and cultural accomplishments are studied from a global perspective in a thematic format. Through collaboration, dialogue, and discussion, students will improve their historical literacy, evaluation, and analysis abilities. This class will help students form a global perspective, an understanding of global diversity, and an awareness of how history has shaped our present world.



# WORLD LANGUAGE & ML (MULTILINGUAL LEARNERS)

## MULTILINGUAL LEARNERS

**ML ALGEBRA: WLE42Y**

Open to: 9, 10, 11, 12      Length: 1 year      Credit: 1      N

**Prerequisite:** English language proficiency test result and/or recommendation

This course provides meaningful access to Algebra 1 for Entering to Developing Multilingual Learners (WIDA Levels 1-3). The purpose of this course is to introduce students to the study of high school Algebra. Algebra is a continuation and extension of the rules of arithmetic into a more general level, where letters (variables) are used to represent numbers. The textbook concentrates on teaching students the fundamental aspects of problem solving. Units covered include: Order of Operations/ Real Number System, Solving Linear Equations, Solving Inequalities, Intro to Functions, Graphing Linear Equations, Solving Systems of Linear Equations, Exponent Properties, Polynomials/Factoring, Quadratics, Radicals, and Statistics.

**ML BIOLOGY: WLE13Y**

Open to: 9, 10      Length: 1 year      Credit: 1      N

**Prerequisite:** English language proficiency test result and/or recommendation

This course provides meaningful access to Biology for Entering to Developing Multilingual Learners (WIDA Levels 1-3). Biology serves as an introduction to the life sciences as outlined in the Next Generation Science Standards. It includes the integration of science and engineering practices as well as crosscutting concepts in order to develop the students' understanding of the disciplinary core ideas in biology. In addition to life science and relevant earth science concepts, other topics may include but are not limited to the conservation of resources, including air pollution, water pollution, pesticides, preservation of wilderness areas, forest management, protection of wildlife and human care of domestic animals.

**ML CHEMISTRY: WLE41Y**

Open to: 10, 11, 12      Length: 1 year      Credit: 1      N

**Prerequisite:** English language proficiency test result and/or recommendation

This course provides meaningful access to Chemistry for Entering to Developing Multilingual Learners (WIDA Levels 1-3). Understanding chemistry allows us to make sense of the world around us and to make decisions and discoveries to improve the quality of life. This Chemistry course aligns to the Next Generation Science Standards, and provides preparation in laboratory techniques, knowledge of chemical concepts, and problem-solving skills. Relevant earth and space science concepts will also be integrated into the curriculum.

**ML CIVICS: WLE11F**

Open to: 12      Length: 1 semester      Credit: 0.5      N

**Prerequisite:** English language proficiency test result and/or recommendation

This course provides meaningful access to Civics for Entering to Developing Multilingual Learners (WIDA Levels 1-3). This course examines the origins and purposes of government and the U.S. and Illinois Constitution. Additional topics include civil liberties, political parties, public policies and the rights and responsibilities of individuals in the political system. Throughout the course, students will think critically and actively engage in class discussions about current and controversial issues. Students will participate in projects in simulations and promote civic engagement. The course satisfies the State of Illinois requirement for civic education.

**ML ECONOMICS: WLE12S**

Open to: 12      Length: 1 semester      Credit: 0.5      N

**Prerequisite:** English language Proficiency test result and/or recommendation

This course provides meaningful access to Economics for Entering to Developing Multilingual Learners (WIDA Levels 1-3). This course is an introduction to the essential features of economic performances, allocation of resources, scarcity, and the role of government in the management of economic systems. It is designed to provide students with the economic tools necessary to analyze and understand economic problems. Included is the study of microeconomics, macroeconomics, international trade, the stock market, monopolies, economic policy, supply and demand, economic growth, the Federal Reserve, and the economic problems of inflation, unemployment, and poverty. This course satisfies the State of Illinois' requirements for Consumer Education.

**ML FRESHMAN ENGLISH: WLE11Y**

Open to: 9      Length: 1 year      Credit: 1      N

**Prerequisite:** English language proficiency test result and/or recommendation

This course provides supported access to Freshman English for Developing to Bridging Multilingual Learners (WIDA Levels 3-5). This course focuses on developing writing skills through increasingly complex essay structures. A Claim-Evidence-Reasoning discourse pattern is emphasized as a foundation for writing development in response to a variety of prompts. Grammar instruction is embedded through authentic writing and revision opportunities. Various source materials provide a basis for writing opportunities including Greek Mythology, exemplar essays, novels, and a Shakespearean play.

**ML GEOMETRY: WLE40Y**

Open to: 9, 10, 11, 12      Length: 1 year      Credit: 1      N

**Prerequisite:** None

This course provides meaningful access to Geometry for Entering to Developing Multilingual Learners (WIDA Levels 1-3). This is the traditional year of Euclidean Plane Geometry. Emphasis is on axiomatic structures and logical proof. Additional units include introduction to right triangle trigonometry, area, and volume of solids.

**ML JUNIOR ENGLISH: WLE32Y**

Open to: 11      Length: 1 year      Credit: 1      N

**Prerequisite:** English language Proficiency test result and/or recommendation

This is the scientific study of society, involving all forms of human interaction and behavior. This includes such topics as marriage/family, gender roles, including the history of women in America, religion, the history of people with disabilities and the disability rights movement, education, racism, social classes, occupations, and deviant behavior. The analysis of selected readings, videos, and projects on social behavior is an integral part of the course content. Students electing to take the course should have an interest in social sciences and expect college-prep readings, assignments, content discussion and analysis that foster critical thinking skills. Projects will be assigned throughout the course of the year demonstrating applicable knowledge learned throughout the course setting. Students will complete a service-learning requirement, which will predominantly be completed during class time.

**ML LANGUAGE ARTS 1: WLE16Y**

Open to: 9      Length: 1 year      Credit: 1      N

**Prerequisite:** Placement results or teacher/counselor recommendation; concurrent enrollment in Literacy 1 is required

This course provides meaningful access to Freshman English for Entering to Developing Multilingual Learners (WIDA Levels 1-3). Concurrent enrollment in EL Literacy 1 is required. Students will focus on skills and content represented in the Freshman English curriculum with an emphasis on developing proficiency across narrative, explanatory, informative, and argumentative communication.

**ML LANGUAGE ARTS 2: WLE17Y**

Open to: 9, 10, 11, 12      Length: 1 year      Credit: 1      N

**Prerequisite:** Placement results or teacher/counselor recommendation; concurrent enrollment in Literacy 2 is required

This course provides meaningful access to Freshman English for Entering to Developing Multilingual Learners (WIDA Levels 1-3). Concurrent enrollment in EL Literacy 2 is required. Students will focus on skills and content represented in the Sophomore English curriculum with an emphasis on developing proficiency across narrative, explanatory, informative, and argumentative communication.

**ML LANGUAGE ARTS 3: WLE18Y**

Open to: 11, 12      Length: 1 year      Credit: 1      N

**Prerequisite:** Placement results or teacher/counselor recommendation; concurrent enrollment in Literacy 3 is required

This course provides meaningful access to Freshman English for Entering to Developing Multilingual Learners (WIDA Levels 1-3). Concurrent enrollment in EL Literacy 3 is required. Students will focus on skills and content represented in the Junior English curriculum with an emphasis on developing proficiency across narrative, explanatory, informative, and argumentative communication.

**ML LITERACY 1: WLE21Y**

Open to: 9, 10, 11, 12      Length: 1 year      Credit: 1      N

**Prerequisite:** Placement results or teacher/counselor recommendation; concurrent enrollment in Language Arts 1 is required

This course provides meaningful access to Freshman English for Entering to Developing Multilingual Learners (WIDA Levels 1-3). vConcurrent enrollment in EL Language Arts 1 is required. Students will focus on skills and content represented in the Freshman English Curriculum with an emphasis and developing their proficiency in reading across a variety of genres and text complexity levels. Additionally, students will analyze literature for literary elements and devices (particularly conflict and character development) to facilitate proficient navigation of literary texts.

**ML LITERACY 2: WLE22Y**

Open to: 9, 10, 11, 12      Length: 1 year      Credit: 1      N

**Prerequisite:** Placement results or teacher/counselor recommendation; concurrent enrollment in Language Arts 2 is required

This course provides meaningful access to Sophomore English for Entering to Developing Multilingual Learners (WIDA Levels 1-3). Concurrent enrollment in EL Language Arts 2 is required. Students will focus on skills and content represented in the Freshman English Curriculum with an emphasis and developing their proficiency in reading across a variety of genres and text complexity levels. Additionally, students will analyze literature for literary elements and devices (particularly conflict and character development) to facilitate proficient navigation of literary texts.

**ML LITERACY 3: WLE23Y**

Open to: 11, 12      Length: 1 year      Credit: 1      N

**Prerequisite:** Placement results or teacher/counselor recommendation; concurrent enrollment in Language Arts 3 is required

This course provides meaningful access to Junior English for Entering to Developing Multilingual Learners (WIDA Levels 1-3). Concurrent enrollment in EL Language Arts 3 is required. Students will focus on skills and content represented in the Freshman English Curriculum with an emphasis and developing their proficiency in reading across a variety of genres and text complexity levels. Additionally, students will analyze literature for literary elements and devices (particularly conflict and character development) to facilitate proficient navigation of literary texts.

**ML NEWCOMER LAB: WLE34Y**

Open to: 9, 10, 11, 12      Length: 1 year      Credit: 1      N

**Prerequisite:** English language proficiency test result and/or recommendation

This is an elective course for Multilingual Learners in the Entering phase (WIDA Level 1) of language development and who are new to school in the United States. Students may take this elective in addition to EL Language Arts and EL Literacy to e their conversational English proficiency. This course emphasizes the development of social and academic English through a variety of real world thematic units designed to help students adjust to high school in the United States.

**ML SENIOR ENGLISH: WLE421Y**

Open to: 12      Length: 1 year      Credit: 1      N

**Prerequisite:** English language proficiency test result and/or recommendation

This course provides supported access to Senior English for Developing to Bridging Multilingual Learners (WIDA Levels 3-5). Coursework focuses on a thematic exploration of literature from around the world. Students will discuss and write academically about a wide variety of cultures and time periods in order to challenge and develop their own perspectives. Additionally, Students will continue college and career exploration with an emphasis on creating concrete steps and connections for their post-secondary plans.

**ML SEQUENTIAL ALGEBRA 1A/1B: WLE28Y**

Open to: 9, 10      Length: 1 year      Credit: 1      N

**Prerequisite:** Middle school placement or Department Administrator recommendation.

This course provides meaningful access to Sequential Algebra 1A/1B for Entering to Developing Multilingual Learners (WIDA Levels 1-3). This course is the first half of the traditional one-year Algebra course, taken over two years. It begins with order of operations and a review of fractions and decimals, and then continues with solving multi-step Algebraic equations, linear graphs, inequalities, linear systems and exponents.

**ML SEQUENTIAL ALGEBRA 2A/2B: WLE30Y**

**Open to:** 9, 10    **Length:** 1 year    **Credit:** 1    **N**  
**Prerequisite:** Teacher recommendation.

This course provides meaningful access to Sequential Algebra 2A/2B for Entering to Developing Multilingual Learners (WIDA Levels 1-3). This course is the second half of the traditional two-year Algebra course. Topics include solving systems of equations, exponential functions, solutions of quadratic, rational, and radical equations and related word problems as well as focusing on skills such as addition, subtraction, multiplication, and division of rational numbers as well as ratios, proportions and percents.

**ML SOPHOMORE ENGLISH: WLE20Y**

**Open to:** 10    **Length:** 1 year    **Credit:** 1    **N**  
**Prerequisite:** English language Proficiency test result and/or recommendation

This course provides supported access to Sophomore English for Developing to Bridging Multilingual Learners (WIDA Levels 3-5). This course engages students in comparative study of various themes found in different genres of literature. Assessments will include essays, discussions, and presentations. All reading will be closely tied to writing and speaking opportunities as a way to deeply process themes and apply analytical thinking skills.

**ML UNITED STATES HISTORY: WLE10Y**

**Open to:** 11    **Length:** 1 year    **Credit:** 1    **N**  
**Prerequisite:** English language proficiency test result and/or recommendation

This course provides meaningful access to United States History for Entering to Developing Multilingual Learners (WIDA Levels 1-3). This course is a chronological study of the United States starting with the American Revolution and ending with the current administration. The course will emphasize issues that have united and divided the nation, as well as the growth of democratic institutions. Students will analyze political, economic and social issues related to United States History. Students will develop college-preparatory skills and enhance reading comprehension through primary and secondary source documents.

**ML WORLD CULTURES: WLE09Y**

**Open to:** 9, 10    **Length:** 1 year    **Credit:** 1    **N**  
**Prerequisite:** Teacher/Counselor recommendation.

This course provides meaningful access to World Cultures for Entering to Developing English Learners (WIDA Levels 1-3). This course explores the diversity of the world through physical geography, cultural geography, art, religion, government, economics, and sociological perspectives. Students will examine the way humans interact with each other and the environment, which is vital to understanding the vast number of unique cultures that inhabit the Earth today. This course will discuss cultural conflict from around the world, their origins, and their influence on the United States. Throughout the school year, students will study these themes as they apply to North, Central and South America, Europe, North Africa and the Middle East, sub-Saharan Africa and Asia.

**FRENCH****FRENCH 1: WL001Y**

**Open to:** 9, 10, 11, 12    **Length:** 1 year    **Credit:** 1    **N**  
**Prerequisite:** None

This course introduces students to spoken and written French and emphasizes speaking and understanding. Students will communicate and interact in French in a variety of everyday situations. Pronunciation skills, new vocabulary, and language patterns are reinforced. The course includes: reading, writing and the study of French culture. A good understanding of English grammar is very helpful.

**FRENCH 2: WL002Y**

**Open to:** 9, 10, 11, 12    **Length:** 1 year    **Credit:** 1    **N**  
**Prerequisite:** French 1

This course reviews and builds upon grammar and vocabulary acquired in French 1. A strong emphasis is placed on the acquisition of language through the development of reading, writing, listening, and speaking skills. The curriculum continues to foster cultural understanding through short reading selections. French is spoken as much as possible in class.

**FRENCH 2 - HONORS: WL107Y**

**Open to:** 9, 10, 11, 12    **Length:** 1 year    **Credit:** 1    **N**  
**Prerequisite:** French 1 and teacher recommendation

This course is the accelerated level of second-year French, covering material at a faster pace and in greater depth. The course includes an intensive study of language structure and communication skills including reading, writing, listening, and speaking. French is spoken as much as possible in class. This is the first course of the sequence that prepares students for Advanced Placement French Language and Culture.

**FRENCH 3: WL002Y**

**Open to:** 9, 10, 11, 12    **Length:** 1 year    **Credit:** 1    **N**  
**Prerequisite:** French 2

Students will further develop their communication skills by refining their ability to read, write, listen, and speak the French language. Advanced grammar is introduced while students continue to enhance their vocabulary and actively use the language. A variety of reading selections will be used to build upon communication skills. Class is conducted in French.

**FRENCH 3 - HONORS: WL018Y**

**Open to:** 9, 10, 11, 12    **Length:** 1 year    **Credit:** 1    **N**  
**Prerequisite:** French 2 or French 2 Honors and teacher recommendation

This course is the accelerated level of third-year French, covering material at a faster pace and in greater depth. The course includes a more intensive study of language structure and communication skills, including reading, writing, listening, and speaking. Class is conducted in French. This is the second course of the sequence that prepares students for the Advanced Placement French Language and Culture exam.

**FRENCH 4: WL020Y**

**Open to:** 9, 10, 11, 12    **Length:** 1 year    **Credit:** 1    **N**  
**Prerequisite:** French 3

This course seeks to refine, enhance language concepts, including grammar techniques, conversational skills, reading and listening comprehension, and studies of various aspects of French culture. Vocabulary is broadened, and written and oral fluency are increased, and an emphasis is placed upon the study of a variety of written works. The class is conducted in French.

**FRENCH 4 - HONORS: WL004Y**

**Open to:** 9, 10, 11, 12    **Length:** 1 year    **Credit:** 1    **N**  
**Prerequisite:** French 3 or French 3 Honors and teacher recommendation

This course is conducted entirely in French and includes a more intensive study of language structure and communication skills including reading, writing, listening, and speaking. This is the third course of the sequence which prepares students for Advanced Placement French Language and Culture.

**AP FRENCH LANGUAGE AND CULTURE - HONORS: WL005Y**

**Open to:** 9, 10, 11, 12    **Length:** 1 year    **Credit:** 1    **N**  
**Prerequisite:** French 4 and teacher recommendation

This is a college-level course that is designed to prepare students for the Advanced Placement French Language and Culture exam. The course is conducted entirely in French in order to develop proficiency in reading, writing, listening, and speaking. Emphasis is on extensive reading of various authentic literary works, further refinement of writing skills, comprehension of native speakers, and the ability to express oneself fluently in French.

**SPANISH****SPANISH 1: WL006Y**

**Open to:** 9, 10, 11, 12    **Length:** 1 year    **Credit:** 1    **N**  
**Prerequisite:** None

This course introduces students to spoken and written Spanish, and emphasizes speaking and understanding. Students will communicate and interact in Spanish in a variety of everyday situations. Pronunciation skills, new vocabulary, and language patterns are reinforced. The course includes reading, writing, and the study of Hispanic cultures.

**SPANISH 2: WL007Y**

**Open to:** 9, 10, 11, 12    **Length:** 1 year    **Credit:** 1    **N**  
**Prerequisite:** Spanish 1

This course reviews and builds upon grammar and vocabulary acquired in the first year of Spanish. A strong emphasis is placed on the acquisition of language through the development of reading, writing, listening, and speaking skills. The curriculum continues to foster cultural understanding through short reading selections. Spanish is spoken as much as possible in class.

**SPANISH 2 - HONORS: WL015Y**

**Open to:** 9, 10, 11, 12    **Length:** 1 year    **Credit:** 1    **N**  
**Prerequisite:** Spanish 1

This course is the accelerated level of second-year Spanish, covering material at a faster pace and in greater depth. The course includes a more intensive study of language structure and communication skills including reading, writing, listening, and speaking. Spanish is primarily spoken. This is the first course of the sequence that prepares students for Advanced Placement Spanish Language and Culture.

**SPANISH 3: WL008Y**

**Open to:** 9, 10, 11, 12    **Length:** 1 year    **Credit:** 1    **N**  
**Prerequisite:** Spanish 2

Students will further develop their communication skills by refining their ability to read, write, listen, and speak the Spanish language. Advanced grammar is introduced while students continue to enhance their vocabulary and actively use the language. A variety of reading selections will be used to build upon communication skills. The class is conducted in Spanish.

**SPANISH 3 - HONORS: WL016Y**

**Open to:** 9, 10, 11, 12    **Length:** 1 year    **Credit:** 1    **N**  
**Prerequisite:** Spanish 2 or Spanish 2 Honors and teacher recommendation

This course is the accelerated level of third-year Spanish, covering material at a faster pace and in greater depth. The course includes a more intensive study of language structure and communication skills including reading, writing, listening, and speaking. The class is conducted in Spanish. This is the second course of the sequence that prepares students for Advanced Placement Spanish Language and Culture.

**SPANISH 4: WL019Y**

**Open to:** 9, 10, 11, 12    **Length:** 1 year    **Credit:** 1    **N**  
**Prerequisite:** Spanish 3 or Spanish 3 Honors

This course seeks to refine and enhance language concepts, including grammar techniques, conversational skills, reading and listening comprehension, and studies of various aspects of Spanish culture. Vocabulary is brought in, written in oral, fluency increased, and an emphasis is placed upon the comprehension of authentic print, audio, and visual sources. Class is conducted in Spanish.

**SPANISH 4 - HONORS - DUAL CREDIT: WLDC502Y**

**Open to:** 11, 12    **Length:** 1 year    **Credit:** 1    **N**  
**IAI 3.0 college credit course 1 West Aurora High School credit course**

**Prerequisite:** Spanish 3 or Spanish 3 Honors and teacher recommendation

This course is designed to provide students with extensive practice in conversation, composition and reading with emphasis on spontaneous language production. It promotes an even greater understanding of the Hispanic cultures through the study and enjoyment of some contemporary Spanish and Hispanic American literature and art. Students communicate both orally and in writing on a variety of selected topics, allowing them to expand and practice their vocabulary, grammatical usage and idiomatic language at a higher level.

**AP SPANISH LANGUAGE AND CULTURE - HONORS: WL010Y**

**Open to:** 10, 11, 12    **Length:** 1 year    **Credit:** 1    **N**  
**Prerequisite:** Spanish 4 or Spanish 4 Honors and teacher recommendation

This is a college-level course that is designed to prepare students for the Advanced Placement Spanish Language and Culture exam. The course is conducted entirely in Spanish, in order to develop efficiency and reading, writing, listening, and speaking. Emphasis is placed on extensive reading of various authentic literary works, for the refinement of writing skills, comprehension of native speakers, and the To express oneself fluently in Spanish.

**SPANISH FOR HERITAGE SPEAKERS 2: WL011Y**

**Open to:** 9, 10, 11, 12    **Length:** 1 year    **Credit:** 1    **N**  
**Prerequisite:** Placement exam

This course is specifically designed for Heritage Spanish speakers to develop their first language, literacy skills, and build upon their existing language competencies. This course concentrate on building, proficiency and spelling, vocabulary, reading and writing. At the same time, emphasis is placed on highlighting Hispanic heritage and identity. The study of grammar is both explicit and inductive as students enhance reading skills through various genres of print media and literature. Selections include articles, poetry, short stories and legends. Writing skills are enhanced through journals and compositions related to class discussions.

**SPANISH FOR HERITAGE SPEAKERS 3: WL012Y**

**Open to:** 9, 10, 11, 12    **Length:** 1 year    **Credit:** 1    **N**  
**Prerequisite:** Placement exam or Spanish for Heritage Speakers 2

This course is accelerated: covering material at a faster pace and in greater depth in preparation for AP Spanish language and Culture for Heritage Speakers. Emphasis is placed on building an increased understanding of syntax and language mechanics. The course includes more intensive skill development in listening, speaking, reading and writing through discussion, compositions, and presentations. Students will read a variety of articles, poetry, and short stories by Spanish and Latin American authors. Writing assignments include essays and creative writing. History, geography, and cultural aspects of the Spanish-speaking Latin American people are a central component of this course.

**SPANISH FOR HERITAGE SPEAKERS 3 - HONORS: WL024Y**

**Open to:** 9, 10, 11, 12    **Length:** 1 year    **Credit:** 1    **N**  
**Prerequisite:** Placement exam or Spanish for Heritage Speakers 2 and teacher recommendation

This course is accelerated: covering material at a faster pace and in greater depth in preparation for AP Spanish Language and Culture for Heritage Speakers. Emphasis is placed on building an increased understanding of syntax and language mechanics. The course includes more intensive skill development in listening, speaking, reading and writing through discussion, compositions, and presentations. Students will read a variety of articles, poetry, and short stories by Spanish and Latin American authors. Writing assignments include essays and creative writing. History, geography, and cultural aspects of the Spanish-speaking Latin American people are a central component of this course.

**AP SPANISH LANGUAGE AND CULTURE FOR HERITAGE SPEAKERS - HONORS: WL013Y**

**Open to:** 9, 10, 11, 12    **Length:** 1 year    **Credit:** 1    **N**  
**Prerequisite:** Spanish for Heritage Speakers 3 and teacher recommendation

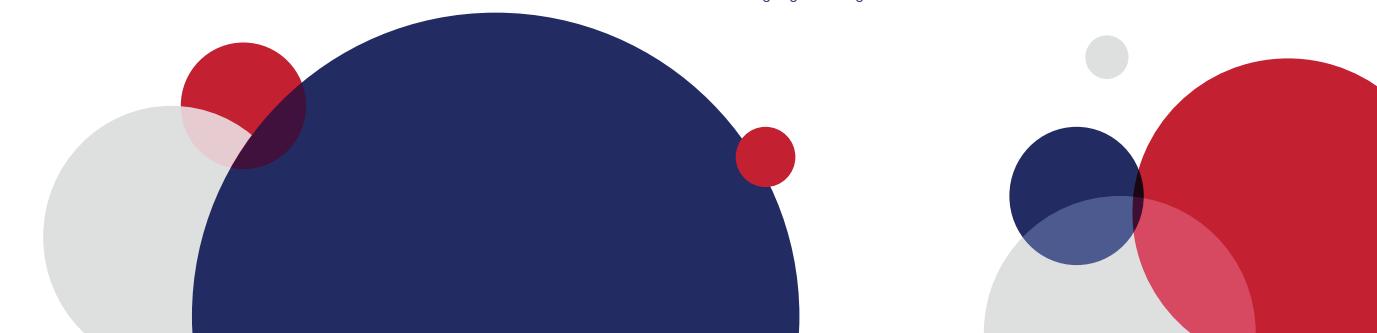
This course reinforces skills developed in previous study. Study of advanced grammar, syntax and vocabulary are both explicit and inductive as students identify and analyze the elements of literature. Writing skills are specifically targeted for further development. Students enhance skills through discussion, debate and presentations. Selections from the AP Spanish Literature and Culture course reading list and a short novel will be read. The role of Spanish language skills and career identification are an important aspect of this course. This course is designed to successfully prepare students to take the AP Spanish Language and Cult exam in May.

**AP SPANISH LITERATURE AND CULTURE HONORS - DUAL CREDIT: WLDC501Y (SPRING SEMESTER)**

**Open to:** 11, 12    **Length:** 1 year    **Credit:** 1    **N**  
**IAI 3.0 college credit course 1 West Aurora High School credit course**

**Prerequisite:** AP Spanish Language and Culture

This course is designed to provide students with extensive practice in conversation, composition and reading with emphasis on spontaneous language production. It promotes an even greater understanding of the Hispanic cultures through the study and enjoyment of some contemporary Spanish and Hispanic American literature and art. Students communicate both orally and in writing on a variety of selected topics, allowing them to expand and practice their vocabulary, grammatical usage and idiomatic language at a higher level.



# FOUR -YEAR PLAN WORKSHEET

This worksheet is available for West Aurora High School students to formulate a 4-year academic plan. Be aware of West High graduation requirements as well as college entrance requirements. There are minimum requirements for graduation, but students should take full advantage of all West High has to offer in order to achieve goals after high school. Choose a pathway based on your interests and talents and take challenging courses. Use the guide below as a framework for planning.

## WAHS GRADUATION REQUIREMENTS

A student must earn a minimum of 22 credits to graduate from West Aurora High School.

REQUIRED COURSES	CREDITS	REQUIRED COURSES	CREDITS
ENGLISH 1 FRESHMAN ENGLISH; 1 SOPHMORE ENGLISH; 1 JUNIOR ENGLISH; 1 ENGLISH ELECTIVE	4	ENGLISH	4
MATH 1 ALGEBRA; 1 MATH COURSE WITH GEOMETRICAL CONCEPTS; 1 ADDITIONAL MATH COURSE IN THE PROPER SEQUENCE	3	MATH ALGEBRA 1, GEOMETRY, ALGEBRA 2	3
SCIENCE	2	SCIENCE	2
SOCIAL STUDIES 1/2 CIVICS; 1/2 ECONOMICS; 1 US HISTORY	2	SOCIAL STUDIES	2
HEALTH	.5	HEALTH	.5
P.E/DRIVERS ED.	3.5	P.E/DRIVERS ED.	3.5
ELECTIVES MUST INCLUDE 1 CREDIT OF ART, MUSIC, FOREIGN LANGUAGE OR VOCATIONAL COURSE	7	ELECTIVES WORLD LANGUAGES, FINE ARTS OR TECHNOLOGY	7

## FRESHMAN YEAR

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

## SOPHOMORE YEAR

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

## JUNIOR YEAR

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

## SENIOR YEAR

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

## STATEWIDE HIGHER EDUCATION MINIMUM REQUIREMENTS

Contact each college/university for their specific requirements