

WAVERLY HIGH SCHOOL

CURRICULUM + COURSE GUIDE

2018-2019

Course Guide Contents

Introduction Letter	<u>2</u>
Waverly High School Graduation Requirements	<u>3</u>
Preparing for College	<u>4</u>
Weighted Classes & College Curriculum	<u>5</u>
Four Year Plans	<u>6-7</u>
Student's Four-Year Plan Worksheet	<u>8</u>
Course Guide Quick View	<u>9-10</u>

Full Course Descriptions

Agriculture	<u>11</u>
Driver's Ed & Health	<u>12</u>
English	<u>12-13</u>
Family & Consumer Science	<u>13-15</u>
Fine Arts	<u>15-16</u>
Foreign Language	<u>16-17</u>
Mathematics	<u>17-18</u>
Physical Education	<u>18</u>
Science	<u>18-20</u>
Social Studies	<u>20-21</u>
Technology & Business	<u>22</u>
Capital Area Career Center (CACC)	<u>22-26</u>

INTRODUCTION

Students and Parents:

Selecting classes in high school is one of the most important things students do each year. Class selection is vital in preparing students for their future education and career goals. The classes chosen for the freshman year are just as important as those chosen for the senior year. The choosing of classes is an important task that deserves considerable thought and preparation.

It is important that students carry a full load of classes that have a strong educational foundation to build on for college and/or a future career. Every year in high school is important. The grades the student receives in their freshman year count just as much as the grades received in their senior year. Each year should be designed to promote maximum educational and work-related skill development and training.

Today's education needs a team effort. It is important that students, parents, and school personnel work together to ensure maximum educational opportunities. The guidance office is available to parents and students to answer questions and to assist with the scheduling process.

Mr. Roeschley

PREPARING FOR COLLEGE

Students interested in attending college need to begin planning when they enter high school! College admission counselors look at all phases of a student's high school program. They consider the classes taken in high school, grades and GPA, class rank, ACT/SAT scores, and participation in extracurricular activities. In other words, what you do and how well you do it as a freshman will matter to colleges when you are applying as a senior!

COLLEGE PREP CURRICULUM

Choosing the proper classes to provide a strong academic background is very important in preparing for college. The Illinois Board of Higher Education recommends that public universities in Illinois require the following classes for freshmen entering college:

English - 4 years
Mathematics - 3 years
Lab Sciences - 3 years
Social Studies - 3 years
Foreign Language, Music, Art, or Vocational Education - 2 years

****Colleges recommend the students take four years in as many areas as possible.****

COLLEGE ENTRANCE TESTS

In addition to taking the proper courses, colleges and universities require ACT or SAT test scores for admission. It is best to take the ACT and SAT exams in the spring of the junior year. It is recommended that students take either of these tests two or three times to get the best score possible. The highest score will be used for admission and/or scholarships. The ACT and SAT are curriculum-based tests. The best way for students to prepare for these important tests is to enroll in as many of the English, Math, Science, and Social Studies classes they can fit into their schedules. Students also can prepare by using ACT and SAT practice tests which are available in the School Counselor's office and online.

CLASS RANK & GRADE POINT AVERAGE

Class Rank is based on the student's grades. Each grade is assigned a point value: A=4.00, A-=3.67, B+=3.33, B=3.00, B-=2.67, C+=2.33, etc. For the graduating classes of 2019, 2020, and 2021 only, some college prep classes will be weighted. These classes will receive one extra point when figuring GPA. The total points for the grades divided by the number of academic classes taken equals the student's Grade Point Average or GPA. Students in each grade level are then ranked by their GPA. Colleges prefer students who rank in the top half of their class. All classes except teacher aide, independent study, and study skills will be averaged into the GPA.

GRADING SCALE

A+ = 98-100	A = 93-97	A- = 90-92	B+ = 88-89	B = 83-87	B- = 80-82	
C+ = 78-79	C = 73-77	C- = 70-72	D+ = 68-69	D = 63-67	D- = 60-62	F = 0=59

WAVERLY HIGH SCHOOL GRADUATION REQUIREMENTS

SUBJECT AREA	TOTAL CREDITS REQUIRED
English Required English Courses <ul style="list-style-type: none"> • English I, II, and III • English IV or Advanced English IV 	4 Credits
Math	3 Credits
Science	2 Credits
Social Studies Required Social Studies Course: <ul style="list-style-type: none"> • US History (1 Credit) • Civics (½ Credit)* 	2 Credits
Technology Required Technology Course: <ul style="list-style-type: none"> • Computer Applications (taken in 9th or 10th grade)+ 	1 Credit
Electives	2 Credits
Consumer Education Required Consumer Education Course: <ul style="list-style-type: none"> • Consumer Resource Management 	½ Credit
Health Required Health Course: <ul style="list-style-type: none"> • Health 	½ Credit
Physical Education	1 Credit
Testing Required Assessments: <ul style="list-style-type: none"> • Federal & State Constitutions Tests • SAT Test 	Must Pass Constitutions
28 Total Credits Required to Graduate	

*In effect for the class of 2020 and all classes to follow

+In effect for the class of 2019 and all classes to follow.

WEIGHTED CLASSES & COLLEGE CURRICULUM

WEIGHTED CLASSES AT WAVERLY HIGH SCHOOL

The following weighted classes are in effect for the graduating classes of 2019, 2020, and 2021 only. For information about how weighted classes will affect a student's grade point average, please refer to the section on [class rank and grade point average](#) on page

3.

Advanced English IV
Calculus
Honors Biology
Anatomy & Physiology
Chemistry I
Chemistry II
Physics
Spanish III & IV
Humanities I, II, III

COLLEGE CURRICULUM AT WAVERLY HIGH SCHOOL

In effect for the class of 2022 and all classes to follow.

In order to be eligible for valedictorian/salutatorian, a student must complete the college curriculum.

1. Twelve Credits from English, Math and Science Cluster
 - a. Five English Credits
 1. English I
 2. English II
 3. English III
 4. Advanced English IV
 5. Humanities
 - b. Four Math Credits
 1. Integrated Math I
 2. Integrated Math II
 3. Integrated Math III
 4. Pre-Calc OR Calculus
 - c. Three Science Credits
 1. Two Science credits of the student's choice
 2. One credit in either Chemistry II OR Physics
2. Three Social Studies Credits
 - a. Two Social Studies credits of the student's choice
 - b. One credit in U.S. History
3. Five Credits in Foreign Language, Fine Arts, or Vocational Courses
 - a. Five credits of the student's choice

WAVERLY HIGH SCHOOL FOUR YEAR PLAN

Standard Curriculum (For Freshman entering high school in 2018-2019 school year)

Freshmen - Core	Sophomore - Core	Junior - Core	Senior - Core
English I	English II	English III	English IV
Integrated Math I	Integrated Math II	Integrated Math III	College Prep Algebra
Physical Science/Bio I	Bio I or Bio II	Bio II or Chem I	Chem I
World History*	Consumer Res. Mgmt*	US History	PE
Intro to FCS*	Civics*	PE	Elective
Dr. Ed/Health	PE	Elective	Elective
Computer Applications	Elective	Elective	Elective
Elective	Elective	Elective	Elective
Elective	Elective		

Freshmen - Electives	Sophomore - Electives	Junior & Senior - Electives	
Art I	Ag I or II**	Ag I, II, III, IV	Foods I & II
Ag I**	Horticulture I**	Horticulture I or II**	Parenting & Child Dvlmt
Band	Fitness PE	Art I, II, III, IV	Success in the World of Work*
Chorus	Art I or II	Digital & Graphic Art*	Advanced Foods*
Fitness PE	Digital & Graphic Art**	Band	Grown Up Living*
Spanish I**	Intro to FCS**	Chorus	Fashion of Today*
	Foods I & II	Speech*	Intro to Psych*
	Fashion of Today*	Creative Writing*	Intro to Sociology*
	Band	Humanities	Economics*
	Chorus	SAT Prep*	Advanced World History*
	Speech*	Statistics*	Yearbook
	Creative Writing*	Earth/Space Science	Sign Language I & II**
		Fitness PE	CACC

*Denotes a 1 semester course

**Denotes a course taught in Franklin

WAVERLY HIGH SCHOOL FOUR YEAR PLAN

College Prep Curriculum (For Freshman entering high school in 2018-2019 school year)

Freshmen - Core	Sophomore - Core	Junior - Core	Senior - Core
English I	English II	English III	Advanced English IV
Integrated Math I	Integrated Math II	Integrated Math III	Pre Calc or Calculus
Bio I or Honors Bio	Bio II or Chem I	Chem I or Chem II	Chem II or Physics
World History*	Cons. Res. Mgmt.*	US History	Soc, Psych, Econ, or Advanced
Intro to FCS*	Civics*	Spanish III (optional)	World History (choose 2 or 3)
Dr. Ed/Health	Spanish II	P.E.	Spanish IV (optional)
Spanish I	P.E.	Elective	PE
Computer Applications	Elective	Elective	Elective
Elective	Elective		Elective
Elective			

Freshmen - Electives	Sophomore - Electives	Junior & Senior - Electives	
Art I	Humanities	Pre Calc	Intro to Psych*
Ag I**	Speech	Statistics	Intro to Sociology*
Band	Creative Writing	SAT Prep	Economics*
Chorus	Band	Speech*	Advanced World History*
Fitness PE	Chorus	Creative Writing*	Anatomy & Physiology
	Art I & II	Humanities	Anat/Phys Dissection
	Digital & Graphic Art	Art I, II, III, IV	Yearbook
	Intro to Psych	Digital & Graphic Art*	Sign Language I & II
	Ag I or II**	Band	Foods I & II
	Horticulture**	Chorus	Parenting & Child Dvlpmnt
	Foods & Nutrition I & II	Ag I, II, III, IV	Success in the World of Work*
	Fitness PE	Horticulture I & II	Advanced Foods*
		Fitness PE	Grown Up Living*
		CACC	Fashion of Today*

STUDENT'S FOUR-YEAR PLAN WORKSHEET

For freshmen entering high school in the 2018-2019 school year.

STUDENT'S NAME: _____

Directions: Fill in the course you plan to take to satisfy the subject area or elective requirement.

Freshman Year (0-6.5 Credits)

<u>Subject Area</u>	<u>Course</u>	<u>Credits</u>
English	English I	1
Math	Integrated Math I	1
Science	_____	1
Dr. Ed/Health	_____	1
Elective	_____	½
Elective	_____	1
Elective	_____	1
Elective	_____	1
Elective	_____	½
Total Credits		

Sophomore Year (7-12.5 Credits)

<u>Subject Area</u>	<u>Course</u>	<u>Credits</u>
English	English II	1
Math	Integrated Math II	1
Science	_____	1
Social Studies	Civics	½
PE	_____	1
Family Cons. Sci	Consumer Resource Mgmt	½
Elective	_____	1
Elective	_____	1
Elective	_____	1
Total Credits		

Junior Year (12-19 Credits)

<u>Subject Area</u>	<u>Course</u>	<u>Credits</u>
English	English III	1
Math	Integrated Math III	1
Social Studies	US History	1
PE	_____	1
Elective	_____	1
Total Credits		

Senior Year (20+ Credits)

<u>Subject Area</u>	<u>Course</u>	<u>Credits</u>
English	_____	1
PE	_____	1
Elective	_____	1
Total Credits		

A full schedule consists of 8 credits. A total of 28 credits is required for graduation.

Course Guide Quick View

Click on the Links to take you to more detailed course information.

<u>Agriculture Courses</u>	
<u>Ag I: Introduction to the Agriculture Industry</u>	<u>Ag II: Agriculture Science</u>
<u>Ag III: Agriculture Operations</u>	<u>Ag IV: Agribusiness Management</u>
<u>Horticulture I: Greenhouse</u>	<u>Horticulture II: Landscape</u>
<u>Driver's Ed & Health Courses</u>	
<u>Driver's Education</u>	<u>Health</u>
<u>English Courses</u>	
<u>English I</u>	<u>English II</u>
<u>English III</u>	<u>English IV</u>
<u>Advanced English IV</u>	<u>Speech</u>
<u>Creative Writing</u>	<u>Humanities</u>
<u>Family & Consumer Science Courses</u>	
<u>Introduction to Family & Consumer Science</u>	<u>Foods I & II</u>
<u>Consumer Resource Management</u>	<u>Parenting & Child Development</u>
<u>Success in the World of Work</u>	<u>Advanced Foods</u>
<u>Grown Up Living</u>	<u>Fashion of Today</u>
<u>Fine Arts Courses</u>	
<u>Art I, II, III, & IV</u>	<u>Digital & Graphic Art</u>
<u>Band</u>	<u>Chorus</u>
<u>Foreign Language Courses</u>	
<u>Spanish I</u>	<u>Spanish II</u>
<u>Spanish III</u>	<u>Spanish IV</u>
<u>Sign Language I</u>	<u>Sign Language II</u>
<u>Mathematics Courses</u>	
<u>Integrated Math I</u>	<u>Integrated Math II</u>
<u>Integrated Math III</u>	<u>College Prep Algebra</u>
<u>Pre-Calculus</u>	<u>Calculus</u>
<u>Statistics</u>	<u>SAT Prep</u>
<u>Physical Education</u>	
<u>Fitness Physical Education</u>	<u>Physical Education</u>

Science Courses

Physical Science

Biology I

Chemistry I

Chemistry II

Physics

Honors Biology

Biology II

Anatomy & Physiology

Earth Science & Space Science

Anatomy/Physiology Dissection

Social Studies Courses

World History

US History

Introduction to Sociology

Advanced World History

Civics

Introduction to Psychology

Economics

Technology & Business

Computer Applications

Yearbook

Capital Area Career Center (CACC)

Agriculture & Industrial Mechanics

Building Trades

Collision Repair Technology

Culinary Arts

Emergency Medical Services

Graphic Arts

Law Enforcement

Photography

Welding

Automotive Technology & Servicing

CISCO Networking

Cosmetology

Early Childhood Education & Care

Fire Science

Health Science Careers

Nursing Assistant

Radio/Television/Interactive Digital Media

Agriculture Courses

INTRODUCTION TO THE AGRICULTURE INDUSTRY (AG I)

@ Franklin

Full Year
1 Credit
Grade: 9

Exciting introductory course into the agriculture industry, students are introduced to all aspects of the industry, and also spend time in the shop. FFA is also introduced and greatly stressed.

AGRICULTURE SCIENCE (AG II)

@ Franklin

Full Year
1 Credit
Grade: 10

Students learn advanced plant and soil science and animal science. Students spend time in the shop learning gas welding as well as constructing wooden projects. Marketing is also introduced with a grain marketing project used to learn the skills of marketing. FFA is also stressed through contests and record books.

AGRIBUSINESS OPERATIONS (AG III)

@ Franklin

Full Year
1 Credit
Grade: 11

This course involves the study of agriculture mechanics, small engine overhaul, and electrical wiring. Forms of welding including advanced gas, MIG, ARC and the plasma cutter are also learned. FFA activities and record books are greatly stressed.

AGRIBUSINESS MANAGEMENT (AG IV)

@ Franklin

Full Year
1 Credit
Grade: 12

In this Ag class, students are taught agriculture marketing and commodities, business makeup and management practices and financing. Students also get some knowledge of agronomy and chemical and weed control. Advance shop projects apply skills learned in earlier classes. FFA activities and record books are greatly stressed.

HORTICULTURE I - GREENHOUSE

@ Franklin

Full Year
1 Credit
Grade: 10-12

This course is designed to teach basic skills in horticulture. Students learn proper ways to grow and manage plants in greenhouse and nursery settings. Students will spend time designing and developing a landscape project, as well as getting some hands on experience.

HORTICULTURE II - LANDSCAPE

@ Franklin

Full Year
1 Credit
Grade: 11-12

This course involves designing and producing landscapes in the community. Landscape design and drawings are stressed in this class. Also, you will learn to produce plans to use in the landscapes.

Driver's Education & Health Courses

DRIVER'S EDUCATION CLASSROOM & DRIVING

Semester

½ Credit

Prerequisite: Passed 8 classes the previous 2 semesters (State of IL Law)

This course is open to all freshmen students. A student must attend a minimum of 30 classroom hours to apply for a driving permit and must complete six hours of behind the wheel instruction. Along with these requirements, a student must complete 50 additional driving hours with an adult over 21 years of age and with parental consent.

HEALTH

Semester

½ Credit

Grade: 9

Health education revolves around the meaning of total health, which is the social, mental, and physical well-being of an individual. Health education involves the study of appearance, behavior, emotions, drugs abuse, alcohol, tobacco, sports and recreation, fatigue, food, infectious diseases, first aid, sex education, AIDS, and public health problems. The main purpose of this course is to educate the students of these important issues, so they can make the necessary choices in life.

English Courses

ENGLISH I

Full Year

1 Credit

Grade: 9

The literature portion of the course is designed to develop reading and literary skills, vocabulary skills, writing skills, and speaking skills, through a study of short stories, drama (modern and ancient Greek), the novel, Shakespeare, and poetry. Students will also study grammar to develop correctly spoken and written English with an emphasis on usage. Technical skills include parts of speech, parts of sentences, and sentence combining.

ENGLISH II

Full Year

1 Credit

Grade: 10

This course is comprised of a review of grammar, an overview of literary genres, and the production of a research paper. The first semester will consist of grammar, a play and two novels. The second semester will have a stronger emphasis on literature and writing, including a research paper.

ENGLISH III

Full Year

1 Credit

Grade: 11

A one year course designed to familiarize the student with indigenous qualities of American literature and its authors; to develop argumentative skills in both written and oral work; to develop research skills; to polish writing skills begun in previous English classes; and to help prepare for the ACT and SAT test. Students will also study various genres and read various novels.

ENGLISH IV

Full Year

1 Credit

Grade: 12

The emphasis of this one year course will be based upon literature and writing. The class will study a variety of literary genres while studying novels, plays, short stories, essays, and poetry. Writing essays, responses, critiques and short papers are a substantial part of the course grade.

ADVANCED ENGLISH IV

In Advanced English, students write expository and argumentative essays based on analytical reading and critical thinking. Advanced English will also study a wide variety of literature first semester that will require higher order thinking and excellent analytical skills. Students will need to develop several short papers, read a textbook, take quizzes, and complete a final project or final exam.

SPEECH

Semester
½ Credit
Grades: 10-12

This one semester course will provide the students will strategies for and practice in speaking before an audience. Several types of speaking will be performed, including informative, persuasive, demonstration, and oral interpretation. Enrollment numbers will be limited in order to insure that students will have ample time to give numerous speeches.

CREATIVE WRITING

Semester
½ Credit
Grades 10-12

Students will learn how to write creatively and explore writing in a new way. Students will experience writing poetry, short stories, advertisements, a children's book, an autobiography, and a play. Students will evaluate different techniques and forms of writing.

HUMANITIES

Full Year
1 Credit
Grade: 10-12

This course is designed to be offered to sophomores, juniors, and seniors. This course is offered every year with changing course content, so that the student can take three years of Humanities without repetition of content. The courses are designed so each year's content is not dependent on a previous year's content, so students may begin the series at any point.

Literature, music, philosophy, art, theatre, architecture, and dance are integrated in the course, which focuses on the creative works of western cultures, ancient to modern. Significant works in the above areas will be studied in depth. Reading will be supplemented with tapes, CD's, records, films, slides, reproductions, computers, and local resources as concrete examples of the material covered in the course

Family & Consumer Science Courses

INTRODUCTION TO FAMILY & CONSUMER SCIENCE

Semester
½ Credit
Grade: 9-10

A course designed to acquaint students with the areas of Family and Consumer Science and the wide scope of life skills education it embraces. Students receive a composite experience in foods and nutrition, clothing and textiles and housing and home furnishings. Students are introduced to various projects within those areas. A minimal fee may be assessed to cover the costs of these projects. Class may not be repeated.

FOODS & NUTRITION I & II

Full Year
1 Credit
Grade: 10-12

Foods and Nutrition I is designed to acquaint student with basic culinary and food preparation techniques as well as food sanitation and safety rules and procedures. Basic nutrition and meal planning is utilized in helping them make healthy choices in food buying and consumption according to latest research. Lab experiences are designed to teach teamwork, following directions and adapting learned concepts and skills to practical application and behavior changes in food preparation. Class may be taken only once.

Foods and Nutrition II is a further study in nutrition, making healthy diet choices, getting enough exercise, meal planning that reflects nutrient needs as well as more advanced techniques of food preparation and incorporating food safety and sanitation techniques in different preparation and presentation techniques in hospitality and meal management. Practical hands-on situations and practices are utilized to give students further real-life skills in food preparation, presentation and nutrition.

CONSUMER RESOURCE MANAGEMENT

Semester
½ Credit
Grade: 10

Students study basic consumer principles and become literate in current consumer practices and skills in the area of economics and business, consumer rights and responsibilities, managing personal finances including banking, investing, insurance, credit and keeping accurate financial and family records, budgeting and income tax. Presentations, cooperative learning assignments, use of internet assignments, and current consumer information as well as guests speakers who are experts in these areas are utilized in this class.

Successful completion of this course will meet the State of Illinois Consumer Education requirement.

PARENTING & CHILD DEVELOPMENT

Full Year
1 Credit
Grade: 10-12

Being a parent and raising children in today's society is one of the most important jobs parents have. Making sure their child is nurtured, healthy and raised in a positive and beneficial manner is one of life's developmental tasks that we all must be as knowledgeable as possible. This class incorporates the use of the empathy belly -- a pregnancy simulator, a computerized infant simulator the give hands-on training as close as possible to potential future parents. Combined with field trips to the hospital and lessons to the preschool students can understand the importance of this particular job.

SUCCESS IN THE WORLD OF WORK

Semester
½ Credit
Grade: 11-12

Students learn ways of making career decisions based on aptitudes and abilities, as well as skills in finding and applying for a job, interviewing and starting a new job as well as skills needed in the workplace -- ethics, positive attitude, health and safety, legal matters, and the importance of teamwork, leadership, good communication, and establishing good time management skills. Building a resume, and a career plan are skills integrated into the class. Guest speakers, possible field trips, various internet assignments in current workplace issues are utilized to create a plan for life success.

ADVANCED FOODS & FOOD SANITATION

Semester
½ Credit
Grade: 11-12

Prerequisite: Foods and Nutrition I & II or consent of instructor

Advanced procedures in food preparation, serving and culinary arts is a part of this class including a course to receive your food sanitation certificate. At least 1 person in a food service establishment per shift is required to have a food handler's license. It is helpful to have the food handler's license before applying for a job in the food service industry.

GROWN UP LIVING

Semester
½ Credit
Grade: 11-12

Handling the challenges in today's world takes perseverance and skill in family communication, issues involving care of children and other adults, dealing with helping agencies, and balancing work and family are all issues which challenge adults to make good decisions every day to keep families strong.

FASHION OF TODAY

Semester
½ Credit
Grade: 11-12
Prerequisite: Intro to FCS or consent of instructor

Choosing fashionable, durable and fun clothes is a challenge in decision-making whether you are a fashionista or a classic, modern style maker. Clothing construction techniques and skills in construction, alteration and recycling as well as understanding style, textiles, fashion trends and selecting fashionable, durable and fun clothes is all a part of this class offering.

Fine Arts Courses

ART I, II, III, IV

Full Year Each
1 Credit Each
Grade: 9-12

Art students in this course delve deeply into four areas of art creation in this predominantly studio class. This studio class is an excellent preparation for further art study and definitely increase interest of the art beginner. An emphasis on art production will lead to exposure in art careers as well as art history. Studio projects will rotate by year and expectations in production will increase as learner advances. Grades are determined by project rubrics, sketchbooks, quizzes, and exams.

- I. Section One: Drawing
 - Drawing is examined with the creation of contour, value, perspective, portrait, and figure drawings.
- II. Section Two: Sculpture
 - Sculpture will be investigated by using both additive (modeling and assembling) and subtractive (casting and carving) techniques in a variety of media.
- III. Section Three: Painting
 - Advanced color theory and painting media are studied by generating water color, tempera, and acrylic paintings.
- IV. Section Four: Art Careers & Media
 - A variety of careers will be introduced through mock career-related projects; there will be an emphasis on arts in the media and current art related large scale projects

*Topics covered may change at instructor's discretion (depending on financial and time limitations).

DIGITAL & GRAPHIC ART

Semester
½ Credit
Grade: 10+
Prerequisite: Art I

Digital & Graphic Art will explore the use of technology to expose students to post-high school and post-college careers that apply the visual arts in the world of work. Students will be using specialized drawing tablets and laptops to create projects in the latest design software. This introduction to visual arts employment will define such careers as advertising, illustration, animation and film, product design, interior design, landscape design, fashion design, photography, teaching art and art therapy. Students will be expected to produce several in-class projects in a professional business-like atmosphere while producing a few out-of-class "homework" pieces.

BAND

Full Year
1 Credit
Grade: 9-12

Students will study and perform music of all styles and varieties. Focus will be one development of skills on a concert band instrument, music literacy, ear training, and music theory. Students are required to attend and participate in concerts. Students may audition for the IMEA District Festival in the fall and also may choose to participate in the Solo/Ensemble Contest in the spring. Outstanding students are nominated to participate in our Tri-County Honor Band. This festival is second semester and includes students from surrounding schools.

CHORUS

Full Year
1 Credit
Grade: 9-12

Chorus is open to all students. They will sing many styles of music and will perform at various times of the year, including a Winter Concert and Spring Concert. Other opportunities for performing include IMEA District Festival and Solo and Ensemble Contest, both optional. Students will learn to read music and write musical symbols. Students will learn about music through singing.

Foreign Language Courses

SPANISH I

@ Franklin

Full Year
1 Credit
Grade: 9

This course introduces the Spanish language and culture. Listening, speaking, reading, and writing skills are developed. Emphasis is placed on correct pronunciation, basic grammar skills, and the development of a Spanish vocabulary.

SPANISH II

@ Franklin

Full Year
1 Credit
Grade: 10

This course is a continuation of Spanish I. Intermediate language skill-listening, speaking, reading, and writing are developed within the context of the Spanish speaking world and its culture.

SPANISH III/IV

@ Franklin

Full Year
1 Credit each
Grade: 11-12

These courses are a continuation of Spanish II and will place special emphasis on the development of reading proficiency. Students will have the chance to use Spanish in speaking activities. Culture projects will be incorporated with books read in Spanish. A play in Spanish will be put on at the end of the year.

SIGN LANGUAGE I

Full Year
1 Credit
Grade: 11-12

This is a basic course in the sign language used most commonly by the Deaf in the United States. This course will include a general introduction to/of Deaf culture, the origin of sign, and various ASL concepts/sentence structures.

SIGN LANGUAGE II

Full Year
1 Credit
Grade: 11-12

In this course the students will work further on advancing the Sign Language. They will finish Signing Naturally book #1 and start on book #2. They will also sign things like songs and children books. They will be attending the ISD field trip also.

Mathematics Courses

INTEGRATED MATH I

Full Year
1 Credit
Grade: 9

This course is designed to help students develop mathematical strategies in an integrated program. This course is aligned with the Common Core State Standards. Mathematical skills are presented in a way that will enhance students' critical thinking skills. It is comprised of 10 units including all of the following: Unit 1: Expressions, Equations, and Inequalities; Unit 2: Geometry; Unit 3: Introduction to Functions; Unit 4: Interpreting Functions; Unit 5: Linear Relations; Unit 6: Linear Modeling; Unit 7: Systems; Unit 8: Statistics; Unit 9: Representations of Exponential Functions; Unit 10: Comparing Mathematical Models.

INTEGRATED MATH II

Full Year
1 Credit
Grade: 10

This is the second year of integrated math. This course is aligned with the Common Core State Standards. It is comprised of 20 units covering topics that include: Geometry concepts, Geometric constructions, Proofs, Triangle properties (congruent and similar triangles), Quadrilaterals, Trigonometry, Circles, 3-D figures, Quadratic functions, Polynomial functions, The Real Number System, Inverse functions, and Probability.

INTEGRATED MATH III

Full Year
1 Credit
Grade: 11

This is the third year of integrated math. This course is aligned with the Common Core State Standards. It is comprised of 7 units including all of the following: Unit 1: Statistics; Unit 2: Geometric Proofs; Unit 3: Geometric Modeling; Unit 4: Representing Functions; Unit 5: Polynomial and Rational Representation and Modeling; Unit 6: Logarithms and Exponents Representations and Modeling; and Unit 7: Trigonometric Representations and Modeling.

COLLEGE PREP ALGEBRA

Full Year
1 Credit
Grade: 11-12

This course is designed to prepare students for college math placement tests and college algebra. Students will review important Algebra I skills and polish their algebra II skills to solidify their competency for college math. Skills mastery and testing strategies will be enforced.

PRE-CALCULUS

Full Year
1 Credit
Grade: 11-12

This course is designed to be an elective course introducing students to math concepts required for Calculus. Calculus is a conceptual framework which provides systematic techniques for solving problems. This course will give students the background necessary to succeed in Calculus. Topics will include Trigonometry, Conic Sections, Vectors, Matrices, Parametric Equations, Polar Coordinates, Limits, Derivatives, and Integrals. This course should be taken in conjunction with Integrated Math 3 and is intended for students who will be taking Calculus in college.

CALCULUS

Full Year
1 Credit
Grade: 12

This course prepares students for the Advanced Placement Calculus Exam, which qualifies them for advanced placement at most colleges and universities.

STATISTICS

Semester
½ Credit
Grade: 11-12

In this course, students will be introduced to concepts in probability and statistics. Basic statistical inference procedures of estimation, confidence intervals, and hypothesis testing directed towards applications in mathematics, science and medicine. This course is designed to better prepare high school students for college-level statistics.

SAT PREP

Semester
½ Credit
Grade: 11-12

This course is designed to prepare students to take the SAT and/or ACT exam. Online test prep, as well as practice workbook problems, will be discussed. Math and English topics will be covered. Students will have the opportunity to take multiple practice tests as well. Once the SAT test has been given, the remainder of this class will focus on financial math for everyday life: taxes, banking, credit, buying a car/house, etc.

Physical Education Courses

FITNESS PHYSICAL EDUCATION

Full Year
1 Credit
Grade: 10-12

Fitness PE is a class that develops strength, speed, and coordination. We tailor workouts to be sport- or individual-specific, using our free weights, plyometric equipment, and other machines to develop improved strength in sport-specific areas. The students will gain overall muscle strength at the same time as developing muscle speed, strength and endurance for their specific interests. The students will use a variety of activities and muscle groups to improve their overall fitness level.

PHYSICAL EDUCATION

Full Year
1 Credit
Grade: 9-12

Physical education includes the following units: soccer, flag football, basketball, volleyball, tennis, softball, weight training, track, speedball, bowling, hockey, golf, aerobics, and recreational games. The main objective of Physical Education is to develop a wide range of physical attributes such as muscular strength, good body mechanics, ability to resist fatigue, and to develop flexibility.

Science Courses

PHYSICAL SCIENCE

Full Year
1 Credit
Grade: 9

This class will involve the basic principles of physical science. The goals of this course are to provide students with the knowledge of the physical world; and an understanding of the basic concepts of motion, matter, and energy.

HONORS BIOLOGY

Full Year
1 Credit
Grade: 9
*Recommendation required

Honors Biology is a rigorous course that combines both Biology I and Biology II in one year. Honor Biology course is a full year in -depth study of the major concepts of the living world. The course focuses on correlation between structures and functions starting at molecular level and up to the level of organisms; principles of classical and molecular genetics and evolutionary theory; energy transformations within living systems; and interactions between organisms and their environment. Students will gain skills using laboratory apparatus and correct laboratory techniques and procedures.

*Students will be recommended for Honors Biology based on a combination of test scores, grades, and teacher recommendations.

BIOLOGY I

Full Year
1 Credit
Grade: 9-10

Biology I is a science course to help students understand life and life processes. The major biological concepts explored include microscopic organisms, the classification of organisms, cell structure and function, genetics, change and diversity. Concepts are reinforced with laboratory experiences to emphasize planning, data collection, analysis, and drawing conclusions. Concepts are applied to society, individuals, and technology.

BIOLOGY II

Full Year
1 Credit
Grade: 10-11
Prerequisite: Biology I or Honors Biology with a C or better

This course is the continuation of the study of life and the principles of ecology. The following concepts explored include invertebrates, vertebrates, and interactions of living things, ecosystems and their interactions, and the influence of organisms on the ecosystem and the principles of ecology. Concepts are reinforced with laboratory experiences to empathize planning, data collection, analysis, and drawing conclusion. Concepts are applied to society, individuals, and technology is included.

CHEMISTRY I

Full Year
1 Credit
Grade: 10-12

This course is structured and designed for students with strong interests in math and science. The content may include the student of atomic structure, chemical bonding, reactions, formulas and equations, stoichiometry and mass-energy relationships. Concepts are reinforced with laboratory experiences to emphasize planning, data collection, analysis, and drawing conclusion in a formal laboratory report.

ANATOMY & PHYSIOLOGY

Full Year
1 Credit
Grade: 11-12

This rigorous college-preparatory elective science course is recommended for students interested in the field of medicine, dentistry, nursing, sports trainer, or any medical science field. The course includes a detailed study of many human body systems. Homeostatic balance, the relationship between structure and function, and specific areas of study will include: gross anatomy of the systems of the human body histology, fundamental concepts of physiology and related terminology.

CHEMISTRY II

Full Year
1 Credit
Grade: 11-12
Prerequisite: Chemistry I with a C or better

This laboratory course is for students who wish to study chemistry in greater depth in areas such as organic analysis or biochemistry. College-level material will be utilized. This course is strongly recommended for the college-bound student majoring in areas such as chemistry, engineering, and medicine, and should enhance college chemistry placement.

EARTH SCIENCE & SPACE SCIENCE

Full Year
1 Credit
Grade: 11-12

This course is a science elective that consists of lectures, laboratory activities, computer activities, written final exam, and practical lab exams. Major topics of study include: rocks and minerals, glaciers, Earth's oceans, geologic time, the Earth-Sun-Moon System, and our solar system and stars.

PHYSICS

Full Year
1 Credit
Grade: 12
Prerequisites: Biology, Chemistry I, Integrated Math I, 2, & 3.

Physics presents to the students the major physics principles. These areas include mechanics, heat, optics, electricity, magnetism, quantum theory, and atomic physics. Projects are due every quarter.

Students should demonstrate strong ability in algebra and geometry and have completed all the prerequisite courses prior to beginning the course.

ANATOMY/PHYSIOLOGY DISSECTION

Full Year
1 Credit
Grade: 11-12

Dissection of vertebrates is a requirement for this course. There are no alternative activities that will give hands on experience and knowledge of dissection of the vertebrates. If interested in any medical veterinary, or animal research careers then this class will prepare you for the future college laboratory classes. Hands-on dissection is the best possible method for understanding anatomy. If you cannot dissect vertebrates for any reason then do not take this course.

Social Studies Courses

WORLD HISTORY

Semester
½ Credit
Grade: 9

This course is an overview of history from early man to the present industrial societies of today. It attempts to cover what historians consider the most significant aspects of man's development and their effects on history, rather than dealing with chronological development of World History. During the course, films and several simulation games are used to give the students the feeling of what it was life to live in certain periods of history.

CIVICS

Semester
½ Credit
Grade: 10

Civics covers several aspects of government. Civics will explore the origins of the American democratic system while looking at how the constitution embodies the values and purposes set up by the founding fathers. The structure and function of the government will be analyzed on a national state, and local level while showing how each level is interrelated. Throughout the course we will focus on how the people play an active role in government and the importance each citizen contributes to society. The State and Federal Constitutions will be covered in this course.

US HISTORY

Full Year
1 Credit
Grade: 11

A course on the development of the nation from the 1880s to modern times. The course will be taught on the cause and effect basis. During the year, a project may be required and participation in a simulation games is required. Films and videos will be used to supplement the course. The course is required of all juniors, but some exceptions may be allowed of underclassmen. Before a student can enroll in the second semester, he/she must have completed the first semester. The reason is that it is a continuous year course. The causes and effects of the first semester will have a definite bearing on the events and discussion in the second semester.

INTRODUCTION TO PSYCHOLOGY

Semester
½ Credit
Grade: 10-12
Prerequisite: Biology I or higher

Introduction to psychology will offer students an engaging introduction to the essential topics in psychological science. The importance of scientific methods and principles of research design is emphasized throughout this course and presented in a way that will enrich your study of individuals as thinking, feeling, and social beings. Topics during this course include, but are not limited to the: biopsychology domain, development and learning domain, the social-cultural domain, and the cognition domain. Students will also gain insight into the history of the field of psychology, as well as explore current theories, issues, applications and individual variations in psychology.

INTRODUCTION TO SOCIOLOGY

Semester
½ Credit
Grade: 12

Introduction to Sociology is a one semester course intended to give you a broad picture of the field of sociology with an emphasis on preparation for “adult citizenship” and critical thinking. This course is all about problem-solving and working in groups. The course will offer you a set of intellectual tools with which to more accurately understand the society in which you live. Your participation, discussion, and feedback are needed. Group work and cooperation are heavily emphasized. Things you will learn by taking this course.

- A. To understand how sociology views our complex society.
- B. To explain the relationship between the social values, norms, and roles.
- C. To explain why people deviate from and conform to the norm.
- D. To evaluate our society’s system for dealing with deviants and deviance.
- E. To identify and explain the basic causes for human hatred and prejudice.
- F. To understand other cultures in order to better understand our own.
- G. To analyze how families and family systems influence their behavior.
- H. To identify major social concerns and understand their importance so that students as future citizens will be better prepared to confront these problems.

ECONOMICS

Semester
½ Credit
Grade: 11-12

The general objective of a high school economics course is for students to master fundamental economic concepts, appreciate how the principal concepts of economics relate to each other and understand the structure of economic systems. Students will use economic concepts in a reasoned, careful manner in dealing with personal, community, national and global economic issues. They will use measurement concepts and methods such as tables, charts, graphs, ratios, percentages and index numbers to understand and interpret relevant data. They should learn to make reasoned decisions on economics.

ADVANCED WORLD HISTORY

Semester
½ Credit
Grade: 11-12

The purpose of the Advanced World History course is to develop greater understanding of the evolution of global processes and contacts in different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of comparisons among major societies. It emphasizes relevant factual knowledge, leading interpretive issues, and skills in analyzing types of historical evidence.

Technology and Business Courses

COMPUTER APPLICATIONS

Full Year
1 Credit
Grade: 9-10

Computer Applications is a project based learning course that encompasses critical thinking, communication, design, and advanced technological skills. Learners will have the opportunity to create a portfolio of Google Docs, Sheets, Forms, and Drawings that demonstrates competencies in website creation, consultations, HTML, and other emerging design software. Learners will also gain the opportunity to explore advanced multimedia and applications used in webpage interfaces.

YEARBOOK

Full Year
1 Credit
Grade: 11-12

From sales to publishing, yearbook is a completely comprehensive business course. Yearbook introduces students to the importance of marketing, integrity within journalism, and numerous technology skills that span from graphic design to print publications. Throughout the course, students have opportunities with editorials, personal selling, photography, and interviews. Yearbook is the perfect opportunity to learn business hands-on in a fun and fast-paced environment.

Capital Area Career Center Courses

The Capital Area Career Center (CACC) offers programs in the afternoon for juniors and seniors. Most of these programs are two years in length, however, a student may take only one year of a program. The student will receive four credits for each year in the program. The following programs/courses are offered at CACC.

AGRICULTURE & INDUSTRIAL MECHANICS

@ CACC

Full Year
4 Credits
Grade: 11-12

Agriculture and Industrial Mechanics is a program for students who have interest in servicing and repairing engines and diagnosing mechanical failure. The curriculum covers basic repairs and service on engines, power trains, and electrical and hydraulic systems. Students will study safety, welding, power machinery, electrical principles, AG structures, and careers in agricultural mechanics. AVAILABLE CERTIFICATIONS/DUAL CREDIT

- N.C.C.E.R. Heavy Equipment Operator
- O.S.H.A
- LLCC Dual Credit

AUTOMOTIVE TECHNOLOGY & SERVICING

@ CACC

Full Year
4 Credits
Grade: 11-12

In this program you will learn the eight major areas of ASE certification. Courses include: Introduction to autos, brakes, steering/suspension, heating/air conditioning, electrical, engine performance, engine rebuilding and drive trains. Theory of the automobile systems is learning in the classroom and then students participate in applied shop activities. Many students continue on with their education to technical schools or colleges, in pursuit of a certificate or degree. Others will go directly into the automotive field. AVAILABLE CERTIFICATIONS/DUAL CREDIT

- Pro-cut Brake Certification
- Dual Credit

BUILDING TRADES

@ CACC

Full Year
4 Credits
Grade: 11-12

Building Trades offers a promising careers for the individual who has an interest in or an aptitude for working with tools and construction materials. This class requires the development of basic principles and practice related to construction work. There are two areas of student in Building Trades. One is the learning of the skills or the “how” of the trade on the job. The second area of the study is the interpretation of drawings and layouts necessary to the trade. During their first year, students will gain experience in the skills of rough framing, roofing, siding, insulation, drywall, wood finishing, painting, electrical wiring, and plumbing. AVAILABLE CERTIFICATIONS/DUAL CREDIT

- LLCC Dual Credit

CISCO NETWORKING

@ CACC

Full Year
4 Credits
Grade: 11-12

In this program students develop skills in hardware assembly and set up, including installation of hard drives, interface cards, network cards, monitors, keyboards, modems, and other common pieces of hardware found on most computers. Systems’ operating software will be installed and debugged to insure proper system operation. Application software will be loaded on personal computer systems and configured to users’ needs and other applications. In addition, students will configure and administer their own network using a variety of hardware and operating systems.

AVAILABLE CERTIFICATIONS/DUAL CREDIT

- Cisco Certifications
- LLCC Dual Credit

COLLISION REPAIR TECHNOLOGY

@ CACC

Full Year
4 Credits
Grade: 11-12

In the Collision Repair Technology program you will learn the skills required for entry level positions as an auto body technician. Students will learn automotive construction, disassembly, reassembly, metal straightening, painting, and refinishing processes. Students will also engage in welding, electrical, and professional detailing experiences in the Collision Repair Technology Program. AVAILABLE CERTIFICATIONS/DUAL CREDIT

- LLCC Dual Credit

COSMETOLOGY

@ CACC

Full Year
4 Credits
Grade: 11-12

Students will learn the skills and accumulate the hours necessary to become a state licensed cosmetologist. Areas of learning include: trimming, shaping, curling, blow drying, styling or hair, shampooing, scalp and hair conditioning, coloring/tinting, bleaching, permanent waving, and other related areas of the cosmetology arts. AVAILABLE CERTIFICATIONS/DUAL CREDIT

- Hours and credit from USCA towards Cosmetology License

CULINARY ARTS

@ CACC

Full Year
4 Credits
Grade: 11-12

This is a program for training in quantity cooking, baking, and the operations of a commercial kitchen. Areas of learning include preparations of vegetables, fruits, salads and dressing, sandwiches, appetizers, hors d’oeuvres, desserts, breakfast items, stocks, soups and sauces, meats, poultry, fish, cakes, fillings, and frostings, pastries and fillings, breads, and cookies. Students also learn to use commercial kitchen equipment and utensils, sanitation, safety, table service, menu planning, and food service math. Students have the opportunity to achieve nationally recognized certification in the culinary field while at CACC. AVAILABLE CERTIFICATIONS/DUAL CREDIT

- LLCC Dual Credit
- IL FSSMC Managers License
- ProStart Certification

EARLY CHILDHOOD EDUCATION & CARE @ CACC

Full Year
4 Credits
Grade: 11-12

Early Childhood Care and Education is a program designed to provide experience for those students who wish to prepare for careers in the field of Early Childhood Education, Elementary Education, or Special Education. Students learn to plan, organize, and teach various activities to preschool age children. Activity areas include physical education, music, art, literature, nutrition, language, interest centers, and math/science awareness. Writing weekly schedules prepares students to develop curriculum skills, lesson plan, planning special events, and preparing instructional materials. Students study the development and behavioral characteristics of preschoolers, examine developmentally appropriate practice, and learn positive guidance skills. Life skills of goal setting, decision making, and problem solving are developed in the Early Childhood program. AVAILABLE CERTIFICATIONS/DUAL CREDIT.

- LLCC Dual Credit
- Level 1 Credential

EMERGENCY MEDICAL SERVICES @ CACC

Full Year
One Year
4 Credits
Grade: 12

The Emergency Medical Technician - Basic (EMT-B) course focuses on pre-hospital emergency medical care and is an excellent program for students considering many of the health professions. The CACC EMS program works closely with the framework of the EMS System and is under the guidance of Memorial Medical Center's EMS System. Students successfully completing this demanding course will have their names submitted to the IL Dept. of Public Health through the EMS System office to challenge the state licensing exam. Students must be in their last year of high school and shall reach age 18 within one year of completing this course to enter the CACC EMS program. AVAILABLE CERTIFICATIONS/DUAL CREDIT

- LLCC Dual Credit
- EMT License

FIRE SCIENCE @ CACC

Full Year
4 Credits
Grade: 11-12

Fire Science is a skill-level course designed to provide students with skills needed to prevent and extinguish fires, maintain and repair fire service equipment, provide basic emergency medical treatment, and prepare public service information concerning fires and hazardous materials. Instruction will include the physical characteristics of fire as well as a general understanding of safety practices, fire behavior, and extinguishing principles. Students will learn rescue and appropriate use of various water supply systems along with how to use ropes and tie knots. Students will also learn basic emergency medical techniques and practices, which will include medical and legal considerations, terminology, airway management, patient assessment/ transportation, and emergency treatment. AVAILABLE CERTIFICATIONS/DUAL CREDIT

- LLCC Dual Credit
- EMR Certification
- CPR Certification

GRAPHIC ARTS

@ CACC

Full Year
4 Credits
Grade: 11-12

Graphic Arts is a program that will introduce and prepare students for employment and/or college in the Graphic Communications field. Students will be introduced to the various processes required in producing graphic visuals for print and web based media. Graphic Arts students will study introduction to Macintosh computers and its applications, design and layout, typography, color theory, offset printing, digital photography and screen printing. Students of the Graphic Arts program also have the opportunity to earn dual credit at Lincoln Land Community College and the Art Institute of Chicago, Schaumburg. AVAILABLE CERTIFICATIONS/DUAL CREDIT

- LLCC Dual Credit
- Art Institute Dual Credit

HEALTH SCIENCE CAREERS

@ CACC

Full Year
4 Credits
Grade: 11-12

Orientation to Health Occupations is a year-long course providing an overview of concepts related to the medical field, such as nursing, therapy, vision and dental care, administrative services, and lab technology. The main purpose of this course is to assist students in further development of their self-concept and in matching personal abilities and interest to a tentative career choice. Topics of discussion will be, but not limited to, related to healthcare industry, including ethics and laws, safety and infection control, CPR/First Aid, anatomy and physiology, medical terminology, and diseases. In addition, the course will include basic reading, math, and science as it is related to the industry. The suggested course content should provide in-depth information into health occupations careers and trends, the occupational and educational opportunities and the education, physical, emotional, and attitudinal requirements. The course is composed of, but not limited to, classroom instruction, hands on lab opportunities, guest speakers, and field trips. AVAILABLE CERTIFICATIONS/DUAL CREDIT

- CNA Certification
- CPR Certification

LAW ENFORCEMENT

@ CACC

Full Year
4 Credits
Grade: 11-12

Law enforcement is a program that prepares students who are pursuing a career in the field related to criminal justice or law enforcement. This program is designed to equip students with a solid foundation of constitutional law, law enforcement techniques and procedures, ethics, and interpersonal communications skills currently used in the profession. Student activities in the Law Enforcement program include physical strength training, forensics, crime scene investigation, crime scene/accident reenactment, and mock trials of current judicial system. Students will also have the opportunity to take part in job shadows and visit police agencies during field trip opportunities in the duration of this course.

AVAILABLE CERTIFICATIONS/DUAL CREDIT

- LLCC Dual Credit
- CPR Certification
- National Dispatching Certification
- Emergency Medical Responder Certification
- HAZMAT Certification

NURSING ASSISTANT

@ CACC

Full Year
One Year Only
4 Credits
Grade: 11-12

Nursing Assistant is an excellent program for students considering any health career. Students successfully completing the first year will have their names submitted to the Dept. of Public Health for inclusion in their registry of individuals completing basic nurse aide training. Students who desire to work in long term care (i.e. nursing homes) must also pass a criminal background check and the Nurse Aide Competency Evaluation Program exam, thereby earning the designation of Certified Nurse Aide (CNA).

AVAILABLE CERTIFICATIONS/DUAL CREDIT

- CNA Certification
- CPR Certification

PHOTOGRAPHY

@ CACC

Full Year
4 Credits
Grade: 11-12

Students in the Photography class develop real world skills through the operation of specialized equipment and projects. Entry level jobs are available in photography and media production throughout the market. Areas of instruction include communication ethics, safety, history, 35mm, medium and large format photography, and both digital and film editing and development. Multiple methods of studio lighting and electronic lighting effects will be mastered throughout the duration of this class.

In addition, the photography class is articulated with the Illinois Institute of Art, and graduates of our program can obtain 9 hours of free credit upon acceptance into the school. AVAILABLE CERTIFICATIONS/DUAL CREDIT

- LLCC Dual Credit

RADIO/TELEVISION/ INTERACTIVE DIGITAL MEDIA

@ CACC

Full Year
4 Credits
Grade: 11-12

Radio and Television Broadcasting is a program designed to qualify students for entry level employment in the radio and television broadcasting, electronic journalism, audio-visual media, internet webcasting, and related fields. Students operate WQNA 88.3 FM radio station, the Center's TV production studio, and the on-line Illinois Student Network. Students can earn Industry certification in Radio, TV, and media software application including audio and video production. AVAILABLE CERTIFICATIONS/DUAL CREDIT

- LLCC Dual Credit

WELDING

@ CACC

Full Year
4 Credits
Grade: 11-12

Welding is a program in which students learn: gas metal-arc welding, micro-wire pipe welding, shielded metal-arc welding, oxyacetylene welding, cutting and brazing, flux-colored wire welding, welding resistance, and spot welding. Students will also learn how to use plasma cutting equipment, principles of manufacturing/production, blueprint reading, basic welding symbols, linear measurement and math as it relates to the welding field, and safety. AVAILABLE CERTIFICATIONS/DUAL CREDIT

- LLCC Dual Credit