

Sherrard High School

2023-2024

Catalog of Course Offerings

Grades 9 - 12



Sherrard CUSD 200

507 3rd Street

PO Box 369

Sherrard, IL 61281

P R E F A C E

This registration guide will make it possible for each student to better select a program of study that will meet their interests and aptitudes. Regular and advanced courses are listed for a quick review of the curriculum offered. Course descriptions have been included to aid the student in constructing a four-year program of study.

This guide should be read and studied carefully with attention given to the required, elective, and prerequisite courses. It is our hope that through the use of this registration guide all students will receive the necessary guidance toward graduation and for developing their future.

VISION STATEMENT

Achieving personal success through continuous learning in an ever-changing world.

MISSION STATEMENT

At Sherrard High School, we will. . .

Inspire students to think creatively and develop their own vision for the future,

Empower students with the skills to develop their own path to success,

Prepare students to navigate an ever-changing world.

Sherrard Community Unit #200 ensures equal educational opportunities are offered to students, regardless of race, color, national origin, age, sex, religion, or handicap.

***** COURSE CHANGES *****

Environmental Science will be a semester course

***** NEW DUAL CREDIT COURSES *****

WELDING 101

WELDING 120

PE 125

***** COURSES BEING MOVED TO "ON YEAR" *****

AP Chemistry

***** COURSES BEING MOVED TO "OFF YEAR" *****

AP US History

AP Physics

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CLASS OF 2024 GRADUATION REQUIREMENTS

Students in the graduating class of 2024 at Sherrard High School will require a minimum of 26 credits. All students may take a maximum of eight (8) credits per year. Study Halls do not earn a credit. The required credits are listed below in **BOLD** and include the following:

Department	Graduation Credits needed
English	4.0
Science	3.0
Biology	1.0
Science Elective	2.0
Math	3.0
Algebra I	1.0
Geometry	1.0
Math Elective	1.0
Social Studies	3.0
US History 1861-1920	0.5
World History	1.0
US History	1.0
Government	0.5
Computer Technology	1.0
Consumer Education (Personal Finance)	0.5
Health Education	0.5
Physical Education	4.0
Driver Education/Safety	0.5
Music, Art, Foreign Language, or Vocational Education	1.0
ELECTIVES	5.5
TOTAL REQUIREMENTS	26.0

CLASS OF 2025, 2026, AND 2027 GRADUATION REQUIREMENTS

Students in the graduating class of 2025 and beyond of Sherrard High School will require a minimum of 26 credits and 10 hours of Volunteer/Community Service. All students may take a maximum of eight (8) credits per year. Study Halls do not earn a credit. The required credits are listed below in **BOLD** and include the following:

Department	Graduation Credits needed
English	4.0
Science	3.0
Biology	1.0
Science Elective	2.0
Math	3.0
Algebra I	1.0
Geometry	1.0
Math Elective	1.0
Social Studies	3.0
US History 1861-1920	0.5
World History	1.0
US History	1.0
Government	0.5
Computer Technology	1.0
Consumer Education (Personal Finance)	0.5
Health Education	0.5
Physical Education	4.0
Driver Education/Safety	0.5
Music, Art, Foreign Language, or Vocational Education	1.0
ELECTIVES	5.5
TOTAL REQUIREMENTS	26.0
Volunteer/Community Service	10 hours

Promotion Policy

In order to be promoted to the next grade level, students will need to earn the following minimum credits per year:

9th grade: 6 credits to be promoted to 10th grade

10th grade: 12 credits to be promoted to 11th grade

11th grade: 18 credits to be promoted to 12th grade

Correspondence Course

Sherrard High School will allow a maximum of two (2) credits of coursework through the American School taken after the sixth semester or later of attendance. These courses are for those seniors who will not be able to complete their graduation requirements by the end of their senior year. These courses will not be calculated in GPA or class rank.

High School Completion Program

Sherrard High School has a working agreement with an Alternative School program for a student needing an alternate school setting. If a student has earned over 50% of the required graduation credits at Sherrard High School and receives counselor/principal approval in advance, they could earn the Sherrard diploma through the alternate school program. **This program would not allow the student to participate in the commencement program at Sherrard High School. In addition, students will no longer receive points toward their GPA.**

Summer School

Up to two (2) credits of summer school courses will be accepted for graduation. A student, in all cases, must obtain advance approval from the counselor and principal before enrollment in such courses. These courses may not be used in lieu of regular coursework offered at Sherrard High School. However, such credits may be used to repeat a course due to grade failure. These courses will not be calculated in GPA.

Honor Roll

High Honor Roll 4.0 GPA or Higher

Honor Roll 3.00 - 3.99 GPA

Honor Roll Certificates will be distributed after Semester 1 and Semester 2

Academic Letter

A Sherrard High School academic letter will be awarded each year based on a student's representation on the semester honor rolls. A student will receive two points for being on the High Honor Roll and one point for being on the Honor Roll. A student who earns three points in a school year will be awarded an academic letter. A student will receive the letter the first time and a gold pin for each succeeding year in which they earn the recognition.

Work Release

Work Release is open to *seniors* who meet the following criteria:

- Have a job with hours that meet during the time they would be in school (last 2 periods of the day)
- Currently meeting all graduation requirements and “on target” to graduate
- Passing all classes
- Maintaining regular attendance
- Must have principal, counseling and parent/guardian permission

Note: Work Release does not earn a credit.

Grade Point Average/Latin System

Grade point average (GPA) is determined by the use of quality points, which are cumulative from the end of **Semester 1** of their freshman year. Quality points are calculated based on the grade points earned for each course: for 1 credit earned an A=4, B=3, C=2, D=1, and an F=0. Weighted classes will carry one additional point per passing grade. See Grading Scale below. The maximum number of credits to determine a student's GPA shall be eight (8) credits per year for a total of 32 credits. **Study halls do not earn credit; therefore, they are not used in determining GPA.** A student's GPA will be reported on the student's transcript. Students will be recognized by the Latin System of Summa Cum Laude for a GPA of 4.3, Magna Cum Laude for GPA of 4.2 and Cum Laude for GPA of 4.0.

Grading Scale

Percentage range	Grade	Quality Points	Weighted Quality Points
97.00-100	A+	4.3	5.3
93.00-96.99	A	4	5
90.00-92.99	A-	3.7	4.7
87.00-89.99	B+	3.3	4.3
83.00-86.99	B	3	4
80.00-82.99	B-	2.7	3.7
77.00-79.99	C+	2.3	3.3
73.00-76.99	C	2	3
70.00-72.99	C-	1.7	2.7
67.00-69.99	D+	1.3	2.3
63.00-66.99	D	1	2
60.00-62.99	D-	.7	1.7

COLLEGE INFORMATION

UNIVERSITY/COLLEGE

Generally accepted guidelines for four year college/university admission purposes are:

1. Graduation from an accredited high school.
2. Required high school subjects for admission to four year college or university:
 - a. English.....4 credits
 - b. Social Studies.....3 credits
 - c. Mathematics (Algebra I and II, Geom.).....4 credits
 - d. Laboratory Science.....3 credits
 - e. Foreign Language, Music, Art.....4 credits

(Some schools/programs **require** Foreign Language credits. Students should check with a school's admissions department about requirements.)

3. A combination of GPA (grade point average) and scores on college entrance exams, ACT or SAT, are used to determine admission eligibility for most four year colleges and universities. Not all college admissions are the same but the above guidelines should cover all but a very few specialized schools.

JUNIOR/COMMUNITY COLLEGE

Generally accepted guidelines for Junior/Community Colleges (two year) admission purposes are:

1. High School diploma or a GED certificate. Most Junior/Community Colleges maintain an "open door" policy for students eighteen years or older.
2. Most schools have their own assessment test to determine the level of coursework for new students. They will accept ACT or SAT scores but usually will not require these tests.
3. Specific high school courses are generally not required for admission to non-transferable programs. However, completion of a tech prep program in high school will provide important background preparation and, in some cases, college credit toward the completion of a certificate or degree.
4. Community Colleges also offer students an excellent choice in that they may take a two year "university parallel" program designed to prepare them to transfer to a four year college. Students interested in completing a "parallel program" should complete the same high school preparation program as those planning to enter a four year university.
5. **It is important that students realize that the majority of people applying to college do so during the fall semester of their senior year.** Because of this, their GPA for the initial application is based only on their freshman, sophomore and junior grades. Each school year is important--so students should not expect good grades received only during their junior and senior years that would automatically allow them to be admitted to the school of their choice.

NCAA and NAIA Academic Requirements

Information on Admission Tests and NCAA Eligibility requirements

Standardized Tests You Need to Take

SAT: Globally recognized college admission test; test how well you know reading, writing, and math and how well you can apply that knowledge. Register at www.collegeboard.com

SAT II (Subject Tests): Content-based tests that allow the student to showcase where they excel; only national admission tests where the student chooses the subject matter; Only some schools require or recommend this test for applicants; please check admission requirements for each school. International students may be waived the SAT II test requirement depending on the institution; Domestic students still must take it for required schools. Register at www.collegeboard.com

ACT: National College admissions test with subject area tests in English, Math, Reading, and Science; accepted by all 4-year colleges and universities in U.S. Register at www.actstudent.org

TOEFL (PBT or iBT): measures an international student's ability to use and understand English at the University level; offered as both a paper-based test or internet-based test (depends on location of student). Register at www.ets.org/toefl

NCAA Division I Core Classes

4 years of English

3 years of math (Algebra 1 or higher)

2 years of natural or physical science (including one year of lab science if offered by your high school)

1 extra year of English, math, or natural or physical science

2 years of social science

4 years of extra core courses (from any category above, or foreign language, non-doctrinal religion or philosophy);

Basic Requirements

Graduate from High School

Earn a minimum required grade-point average in your core courses

Earn a combined SAT or ACT sum score that matches your core-course grade-point average and test score sliding scale (for example, a 2.400 core-course grade-point average needs an 860 SAT).

Eligibility Center Requirements

Register with NCAA Eligibility Center

Have test scores sent to Eligibility Center

Division II Core Classes

3 years of English

2 years of Math (Algebra 1 or higher)

2 years natural or physical science (including one year of lab science if offered by your high school)

2 additional years of English, math, or natural or physical science (After Aug 1, 2013 the requirement is 3 years)

2 years of social science

3 years of extra core courses (from any category above, or foreign language, non-doctrinal religion or philosophy) (After Aug 1, 2013 the requirement is 4 years)

Basic Requirements

Graduate from High School

Earn a 2.00 GPA or better in core courses [Calculate your GPA](#).

Earn a combined SAT score of 820 or an ACT sum score of 68

Eligibility Center Requirements

Register with Eligibility Center

Have test scores sent to Eligibility Center

Division III Academic Requirements

Colleges and Universities at the DIII Level set their own admission standards and there are no eligibility requirements

Student-athletes will need to contact DIII schools to get information on their policies

NAIA Academic Eligibility Requirements

The Standardized Tests You Need to Take

SAT: Globally recognized college admission test; test how well you know reading, writing, and math and how well you can apply that knowledge

Register at www.collegeboard.com

ACT: National College admissions test with subject area tests in English, Math, Reading, and Science; accepted by all 4-year colleges and universities in the U.S.

Register at www.actstudent.org

TOEFL (PBT or iBT): measures an international student's ability to use and understand English at the University level; offered as both a paper-based test or internet-based test (depends on location of student)

Register at www.ets.org/toefl

NAIA Eligibility Basic Requirements

Graduate High School or be accepted as a regular student in good standing

Meet two of the three following requirements:

- 1) Achieve a minimum of 18 on the ACT or 860 on the SAT
- 2) Achieve a minimum overall high school GPA of 2.0
- 3) Graduate in the top half of your high school class

If you do not meet 2 of the 3 requirements, you will not be allowed to participate in athletics for the first full year of attendance

NAIA Transfers

Transfers must "sit out" 16 weeks (112 calendar days) unless they only attended a 2-year college previously or never competed at a previous 4-year institution or have a 2.0 GPA and written release from the previous 4-year institution.

REGISTRATION PROCEDURES

At the beginning of the 2nd Semester, registration will be held for the following school year. Each student will meet with a counselor to make, create or modify their Academic Plan to be sure they are signing up for the correct courses. Students will be required to return a parent signed form confirming that the parents agree with the students' course selections.

Students and Parents/Guardians also have access to their Academic Plan through their Student and/or Parent/Guardian Portal. The Academic Plan allows schools to plan a student's academic plan through their entire high school career, from 8th grade students moving into 9th grade all the way through their senior year. The Academic Planner displays the student's assigned Academic Program and the courses the student has planned to take in each school year (represented by grade level). Students will have access to their Academic Planner for the school year but will only have access to make changes from August until December. Counselors have similar access to this that allows them to see your chosen courses and make modifications, if necessary. Based on the assigned Academic Program, students must meet credit requirements and course requirements and the goal is to meet each requirement for each grade level.

Along with the Academic Plan you will also be able to view the student's Graduation Progress. The Graduation Progress tool allows Students and Parents/Guardians a color-coded view of all courses within a student's progress toward completion of a Graduation Plan.

Students' schedules will be determined by a computerized scheduling program. Any change in the student's schedule after it is finalized will occur only with the complete agreement of school officials. **No schedule changes will be allowed after the first 5 full days of school.** See school handbook for specific details on changing or dropping a class. **If a student drops a class after the first 5 full days of school it will be shown on their transcript as a withdrawal/fail.** For this reason, it is very important that the student picks the course that best fits their academic needs.

Programs **Progress** Course Plan

Academic Plan Progress

Assigned Graduation Program: SHS Grad Program Class 2024 and after (Graduation)

Assigned Academic Programs: No Academic Programs Assigned

View progress toward Graduation or Academic Program: SHS Grad Program Class 2024 and after (Graduation)

* Asterisks indicate student does not meet requirement

Credit Type	09	10	11	12	Credit Status			Overflow	Total
					ER	IP	PL		
English	1.0 / 1.0	1.0 / 1.0	1.0 / 1.0	1.0 / 1.0	0.0	1.0	3.0		4.0 / 4.0
Mathematics	1.0 / 1.0	1.0 / 1.0	1.0 / 1.0	1.0 / 0.0	0.0	1.0	3.0	-1.0	3.0 / 3.0
Science	1.0 / 1.0	1.0 / 1.0	1.0 / 1.0		0.0	1.0	2.0		3.0 / 3.0
Social Studies	0.5 / 0.5	1.0 / 1.0	1.0 / 1.0		0.0	0.5	2.0		2.5 / 2.5
Government			0.5 / 0.0	0.0 / 0.5	0.0	0.5	0.5		0.5 / 0.5
Personal Finance			0.5 / 0.0	0.0 / 0.5	0.0	0.5	0.5		0.5 / 0.5
Computers	1.0 / 0.0		1.0 / 0.0	0.0 / 1.0	0.0	1.0	1.0	-1.0	1.0 / 1.0
Drivers Education		0.5 / 0.0		0.0 / 0.5	0.0	0.5	0.5		0.5 / 0.5
Health	0.5 / 0.0			0.0 / 0.5	0.0	0.5	0.5		0.5 / 0.5
Physical Education	1.0 / 1.0	1.0 / 1.0	1.0 / 1.0	1.0 / 1.0	0.0	1.0	3.0		4.0 / 4.0
Special Forces	1.0 / 0.0	1.0 / 0.0	1.0 / 0.0	1.0 / 1.0	0.0	1.0	3.0	-3.0	1.0 / 1.0
Elective	0.0 / 2.0	0.0 / 1.5	0.5 / 2.0		0.0	0.5	5.0		5.5 / 5.5
Total	7.0 / 6.5	6.5 / 6.5	8.5 / 7.0	4.0 / 6.0	0.0	7.0	19.0		26.0 / 26.0

Course Requirements	Progress
Driver Education	0.5 / 0.5
You must complete 2.5 credits for Social Studies.	2.5 / 2.5
You must complete one credit for Computer Technology.	1.5 / 1.0
You need to complete four credits of English.	4.0 / 4.0
You need to complete four credits of Physical Education.	4.0 / 4.0
You need to complete three credits for Science.	3.0 / 3.0
You need to complete three credits in Mathematics.	4.0 / 3.0
You should complete Health during your freshman or sophomore year.	0.5 / 0.5
You should take Government during your Junior or Senior year.	0.5 / 0.5
You should take Personal Finance during your Junior year.	0.5 / 0.5

Test Requirements	Evaluation Criteria	Progress
Students must take the SAT (Scholastic Aptitude Test)	One test score is at or above Scale: 1,000	Not taken

Compound Requirements	Progress
PE Graduation Requirement	Complete

Program: SHS Grad Program Class 2024 and after (Graduation) Counselor: Eslovell, Stacy stacy@starnet.us

Approved by parent/legal guardian

Grade 09: 0.0 / 6.5 Grade 10: 0.0 / 6.5 Grade 11: 0.0 / 7.0 Grade 12: 0.0 / 6.0

English (0.0 / 4.0)

0.0 / 1.0 0.0 / 1.0 0.0 / 1.0 0.0 / 1.0

Type to search or select courses

ALERT: Not enough credits selected in English to meet the minimum plan requirements.
ALERT: Course Requirement not met. You need to complete four credits of English.

Mathematics (0.0 / 3.0)

0.0 / 1.0 0.0 / 1.0 0.0 / 1.0 0.0 / 0.0

Type to search or select courses

ALERT: Not enough credits selected in Mathematics to meet the minimum plan requirements.
ALERT: Course Requirement not met. You need to complete three credits in Mathematics.

Science (0.0 / 3.0)

0.0 / 1.0 0.0 / 1.0 0.0 / 1.0 0.0 / 0.0

Type to search or select courses

ALERT: Not enough credits selected in Science to meet the minimum plan requirements.
ALERT: Course Requirement not met. You need to complete three credits in Science.

Social Studies (0.0 / 2.5)

0.0 / 0.5 0.0 / 1.0 0.0 / 1.0 0.0 / 0.0

Type to search or select courses

ALERT: Not enough credits selected in Social Studies to meet the minimum plan requirements.
ALERT: Course Requirement not met. You must complete 2.5 credits in Social Studies.

Government (0.0 / 0.5)

0.0 / 0.0 0.0 / 0.0 0.0 / 0.0 0.0 / 0.5

Type to search or select courses

ALERT: Not enough credits selected in Government to meet the minimum plan requirements.
ALERT: Course Requirement not met. You should take Government during your Junior or Senior year.

Personal Finance (0.0 / 0.5)

ELECTIVE CHOICES

9th Grade

Semester long courses:

Computers I	9-12
Computers II	9-12
Intro to Comp Prog	9-12

10th Grade

Early Childhood Ed	10-12
Desktop Publishing	10-12
Foods I	10-12
Foods II	10-12
Intro to Media	10-12
Parenting	10-12
Web Design	10-12
Woods I	10-12
Video Game Design	10-12

11th Grade

Ag Const & Tech	11-12
Ag Machinery & Serv	11-12
Botany	11-12
Business Own Mnmt	11-12
Creative Writing	11-12
Current Events	11-12
Environmental Science	11-12
Economics	11-12
History of Sports	11-12
Marketing	11-12
Psychology	11-12
Sociology	11-12
Speech & Drama	11-12
US Military History	11-12
Woods II	11-12
World Geography	11-12

12th Grade

Senior Life Skills	12
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9th Grade

Full year courses:

Art I	9-10
Band	9-12
Choir	9-12
Comm Tech/Prod Tech	9-11
Intro to Ag	9-10
Intro Business	9-10
Life/Clothing	9-11
Percussion Ensemble	9-12
Spanish I	9-11
Spanish II	10-12

10th Grade

Accounting I	10-12
Ag Science	10-11
Art 2	10-12
Basic Ag Mech	10-11
Business Law	10-12
Chromebook Maint	10-12
Honors Chemistry	10-12
Intro AutoCAD	10-12
Music Theory	10-12
Natural Resources	10-12
Spanish II	10-12
Zoology	10-12

11th Grade

Accounting II	11-12
Ag Business	11-12
Ag Metal Fab I	11-12
AP Biology	11-12
AP Chemistry	11-12
AP Computer Science	11-12
AP Physics	11-12
AP Stats	11-12
Arch/Mech Draft	11-12
Art 3	11-12
Art 4	11-12
Forensics	11-12
General Chemistry	11-12
Honors Pre-Calc	11-12
Horticulture	11-12
Human Anat & Phys	11-12
Humanities	11-12
Mathematics Aide	11-12
Live Broadcasting	11-12
Media Comm/Prod I	11-12
Physics I	11-12
Pre-Calculus	11-12
Spanish III	11-12
Vet Science	11-12

12th Grade

Ag Metals Fab II	12
AP Calculus	12
AP Studio Art	12
Arch Draft II/Mech Draft II	12
Computer Animation	12
Education Aide	12
Ind Draft Spec	12
Media Comm/Prod II	12
Probability & Statistics	12
Spanish IV	12
Spanish V	12

Freshman

English (1 credit) required

Science (1 credit) required

Math (1 credit) required

Physical Education (1 credit) required

US History 1861-1920 (½ credit) required

Driver's Education (½ credit) required (if you meet age guidelines) or Health (½ credit)

Electives (3 credits)

9th grade (This chart is an example. Actual course times will vary)

	Semester 1	Semester 2
1st period	English I or	Honors English I
2nd period	Algebra I or	Honors Geometry
3rd period	US History 1861-1920	Drivers Ed or Health
4th period	PE or	Personal Fitness
5th period	Physical Science or	Honors Biology
6th period	Elective (See page 11)	Elective (See page 11)
7th period	Elective (See page 11)	Elective (See page 11)
8th period	Elective (See page 11)	Elective (See page 11)

See page 11 for Elective choices.

Sophomore

English (1 credit) required

Science (1 credit) required General Biology if not taken, for Honors track - Science Elective

Math (1 credit) required

Physical Education (1 credit) required

World History (1 credit) required

Drivers Ed (½ credit) required if not already completed

Health (½ credit) required if not already completed

Electives (2-3 credits)

10th grade (This chart is an example. Actual course times will vary)

	Semester 1	Semester 2
1st period	English II or	Honors English II
2nd period	Geometry or	Honors Algebra II
3rd period	General Biology if not taken; otherwise elective	for Honors track - Science elective
4th period	PE or	Personal Fitness
5th period	Drivers ED or	Health or Elective (See page 11)
6th period	World History	World History
7th period	Elective (See page 11)	Elective (See page 11)
8th period	Elective (See page 11)	Elective (See page 11)

See page 11 for Elective choices.

Junior

English (1 credit) required

Computers (1 credit) required (if not already completed)

Government (.5 credit) required

Math (1 credit) required

Science (1 credit) required

Personal Finance (.5 credit) required

Physical Education (1 credit) required

U.S. History 1920-Present (1 credit) required

Electives (3-4 credits)

11th grade (This chart is an example. Actual course times will vary)

	Semester 1	Semester 2
1st period	English III or Technical English I	or AP Lang & Comp
2nd period	Algebra II or Consumer Math	or Honors Pre-Calculus
3rd period	US History	US History
4th period	PE or	Personal Fitness
5th period	Government	Personal Finance
6th period	Science Elective (1 credit)	
7th period	Elective (See page 11)	Elective (See page 11)
8th period	Elective (See page 11)	Elective (See page 11)

See page 11 for Elective choices.

Area Career Center courses and Dual Credit courses are available - ask a counselor for information, courses and descriptions are in the course guide.

Senior

English (1 credit) required

Physical Education (1 credit) required

Personal Finance (.5 credit) required if not previously completed

Social Studies (1 credit) required if not previously completed

Government (.5 credit) required if not previously completed

Computer Tech (1 credit) required if not previously completed

Electives (3-6 credits)

12th grade (This chart is an example. Actual course times will vary)

	Semester 1	Semester 2
1st hour	English IV or Technical English II	AP Lit & Comp or Dual Credit English II
2nd hour	If you take (Dual credit) classes, dual credit classes will be 1st & 2nd hours	Otherwise Elective
3rd hour	PE or	Personal Fitness
4th hour	Elective (See page 11)	Elective (See page 11)
5th hour	Elective (See page 11)	Elective (See page 11)
6th hour	Elective (See page 11)	Elective (See page 11)
7th hour	Elective (See page 11)	Elective (See page 11)
8th hour	Elective (See page 11)	Elective (See page 11)

See page 11 for Elective choices.

Area Career Center courses and Dual Credit courses are available - ask a counselor for information, courses and descriptions are in the course guide.

PATHWAYS IN ENGLISH

GRADE	WORKFORCE	TECHNICAL OR COMMUNITY COLLEGE	COLLEGE PREP	HONORS COLLEGE PREP
9	English I	English I	English I	Honors English I
10	English II	English II	English II	Honors English II
11	English III Or Technical English and Communication I	English III Or Technical English and Communication I	English III	AP Lang & Comp
12	English IV Or Technical English and Communication II	English IV Or Technical English and Communication II And/ Or Dual Enrollment	English IV And/Or Dual Enrollment	AP Lit & Comp And/Or Dual Enrollment

ENGLISH I (State Course Code 01001A000)

English I is the first of two required writing intensive courses. This course is designed to improve the students writing, reading comprehension, and oral language skills. A survey of literature styles including the short story, poetry, informational text, drama, and novels will be stressed. Writing is a continuous process as a part of the literature unit, as well as speaking and listening activities.

COURSE NUMBER: 600-S1 & 600-S2

CREDIT: 1.0

GRADE LEVEL: 9

PREREQUISITE: None

ENGLISH II (State Course Code 01101A000)

English II is the second of two required writing intensive courses and includes a formal research project. This course is designed to improve the students' writing, reading comprehension, and oral language skills. A survey of world literature, including short stories, poetry, informational text, drama and novels will be addressed.

COURSE NUMBER: 601-S1 & 601-S2

CREDIT: 1.0

GRADE LEVEL: 10

PREREQUISITE: English I

ENGLISH III (State Course Code 01054A000)

In English III, the students will rigorously examine traditional American Literature and informational text articles independently. The course will include various forms of writing, speaking skills, and test taking skills.

COURSE NUMBER: 602-S1 & 602-S2

CREDIT: 1.0

GRADE LEVEL: 11

PREREQUISITE: English II

Technical English and Communication I (State Course Code 01156A000)

Students will read traditional American Literature and informational text articles. The course will include various forms of writing and speaking skills. This class is designed for students who will attend a two year program, technical program, or military program after high school. The class will focus on career based writings and speeches. The class will also work on problem solving and test taking skills, interviewing and resume building, and requires four hours per semester (8 total hours) of volunteer work in a position at school or in the community.

COURSE NUMBER: 614-S1 & 614-S2

CREDIT: 1.0

GRADE LEVEL: 11

PREREQUISITE: English II & Teacher Recommendation

ENGLISH IV (State Course Code 01102A000)

This course is designed to improve and broaden writing and communication skills. Students are presented with a variety of college-level reading assignments, including novels and essays. The writing requirements include numerous formal argumentative and informative essays and papers. Formal oral projects will also be a focus.

COURSE NUMBER: 603-S1 & 603-S2

CREDIT: 1.0

GRADE LEVEL: 12

PREREQUISITE: English III

Technical English and Communication II (State Course Code 01148A000)

This course is designed to improve and broaden writing and communication skills through a variety of formal and informal experiences. Students are presented with a variety of teacher led college-level reading assignments, including novels and essays. The writing requirements include numerous formal argumentative and informative essays and papers. Formal oral projects will also be a focus. This course is a continuation of Technical English and Communication I and will concentrate on those skills practiced in Technical English and Communication I. In this course, debate and public speaking take a forefront to prepare the student for life after high school.

COURSE NUMBER: 615-S1 & 615-S2

CREDIT: 1.0

GRADE LEVEL: 12

PREREQUISITE: Technical English and Communication I and its prerequisites

HONORS PROGRAM

HONORS ENGLISH I (State Course Code 01001A000)

This is the first course of the English Honors path and is the first of two required writing intensive courses. The course is designed to incorporate literature and writing. The types of literature studied are short stories, drama, and novels. Assignments will overlap. This course is designed to prepare students for the college pace and AP courses. All students are required to earn at least a "C" to stay in the Honors program. Those who fail to meet this expectation will be removed from the Honors Sequence at the end of the course. **Weighted Course.**

COURSE NUMBER: 604-S1 & 604-S2

CREDIT: 1.0

GRADE LEVEL: 9

PREREQUISITE: Teacher Recommendation, Placement Test

HONORS ENGLISH II (State Course Code 01101A000)

This is the second course of the English Honors path and is the second of two required writing intensive courses, with formal writing as the main focus. The genres studied include short stories, novels, poetry, informational text and drama mainly from world literature. The curriculum will include the reading of several novels. Students are required to earn at least a "C" to stay in the Honors program. Those who fail to meet this expectation will be removed from the Honors Sequence at the end of the course. **Weighted Course.**

COURSE NUMBER: 605-S1 & 605-S2

CREDIT: 1.0

GRADE LEVEL: 10

PREREQUISITE: Honors English I with C average or above

AP ENGLISH LANGUAGE AND COMPOSITION (State Course Code 01005A000)

This course engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing. Students must take the AP exam, which costs approximately \$90 and is paid by the district. Per discussion with the dual enrolled institution used by Sherrard High School, if students pass the AP class, dual enrolled English 101 will not be allowed as it is in the same class. **Weighted Course.**

COURSE NUMBER: 115-S1 & 115-S2

CREDIT: 1.0

GRADE LEVEL: 11

PREREQUISITE: Honors English II with a C average or above

AP ENGLISH LITERATURE AND COMPOSITION (State Course Code 01006A000)

This course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to prove both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller scale elements as the use of figurative language, imagery, symbolism and tone. Students must take the AP exam, which costs approximately \$90 and is paid by the district. **Weighted Course.**

COURSE NUMBER: 116-S1 & 116-S2

CREDIT: 1.0

GRADE LEVEL: 12

PREREQUISITE: AP Lang & Comp with a C average or above

ENGLISH ELECTIVES

CREATIVE WRITING (01104A000)

This course will offer students the opportunity to develop and improve their technique and individual style in genres such as poetry, short story, drama, essays, and other forms of prose. The emphasis of the course is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft. This is an elective course and does not fulfill the English requirement for graduation.

COURSE NUMBER: 184

GRADE LEVEL: 11-12

CREDIT: 0.5

PREREQUISITE: None

SPEECH AND DRAMA (01151A000)

This course will include one quarter of focus primarily on speech and another primarily on drama, recognizing the two topics intersect. This will enable students to develop communication skills that can be used in a variety of speaking and drama situations (such as small and large group discussions, reader's theater, delivery of lectures or speeches in front of audiences, stage performances and so on). Course topics may include, but are not limited to, research and organization, argumentative style and skill, effective presentation of one's voice and body, writing for verbal delivery, stylistic choices, visual and presentation skills, analysis and critique, and development of self-confidence. This is an elective course and does not fulfill the English requirement for graduation.

COURSE NUMBER: 820

GRADE LEVEL: 11- 12

CREDIT: 0.5

PREREQUISITE: None

MATHEMATICS

Freshman	Sophomore	Junior	Senior
Algebra I	Geometry	Algebra II	Precalculus and/or Probability and Statistics
		Algebra II and	AP Statistics or Probability and Statistics
		Consumer	Probability and Statistics Algebra II (by teacher rec only)
Algebra IA	Geometry A		
Honors Geometry	Honors Algebra II	Honors Precalculus AP Statistics	AP Calculus or AP Statistics
	Honors Algebra II and Probability and Statistics	Honors Precalculus and AP Statistics	AP Statistics or Probability and Stats (as long as not taken AP)

ALGEBRA IA (State Course Code 02052A000)

Algebra IA is designed to emphasize the study of variables, inequalities, equalities, equations and their solutions, axioms and theorems, graphing, polynomials, factors, and other topics at a less rigorous pace.

COURSE NUMBER: 110-S1 & 110-S2

GRADE LEVEL: 9-12

CREDIT: 1.0

PREREQUISITE: Teacher Recommendation

ALGEBRA I (State Course Code 02052A000)

Algebra I includes the study of variables, inequalities, equalities, equations and their solutions, axioms and theorems, graphing, polynomials, factors, and other topics.

COURSE NUMBER: 111-S1 & 111-S2

GRADE LEVEL: 9-12

CREDIT: 1.0

PREREQUISITE: Teacher Recommendation

GEOMETRY A (State Course Code 02071A000)

Geometry A is designed to emphasize the study of the properties and applications of common geometric figures in two and three dimensions. Inductive and deductive thinking skills are used in problem solving situations, and applications to the real world are stressed at a less rigor of a pace. All students will be required to take one credit of Geometry to fulfill the State of Illinois math requirement.

COURSE NUMBER: 284-S1 & 284-S2

GRADE LEVEL: 10-12

CREDIT: 1.0

PREREQUISITE: Teacher Recommendation

GEOMETRY (State Course Code 02072A000)

Geometry is the study of visual patterns and relationships to other mathematics. It also helps develop logical reasoning and other learning skills useful throughout life. This class includes topics such as area, volume, transformations, reasoning, patterns, and more. It also emphasizes writing proofs to solve (prove) properties of geometric figures. A scientific calculator is necessary for area and volume calculations. All students will be required to take one credit of Geometry to fulfill the State of Illinois math requirement.

COURSE NUMBER: 280-S1 & 280-S2**GRADE LEVEL: 10-12****CREDIT: 1.0****PREREQUISITE: Algebra I with a C or higher or permission of instructor****ALGEBRA II (State Course Code 02056A000)**

During the first semester, such topics as: linear equations and inequalities, factoring polynomials, rational expressions, radicals and rational number exponents, the quadratic formula, and complex numbers will be covered. The second semester will consist of topics such as: functions, conic sections, binomial expansions, and trigonometric functions.

COURSE NUMBER: 112-S1 & 112-S2**GRADE LEVEL: 11-12****CREDIT: 1.0****PREREQUISITE: Geometry with a C or higher or permission of instructor****CONSUMER MATH (State Course Code 02157A000)**

This course is an application of mathematics to life skills. Areas covered include a brief review of arithmetic skills; income, banking, and credit; transportation; housing; taxes, insurance, and investments; and purchasing and budgeting. This will fulfill one credit of the State of Illinois math requirement.

COURSE NUMBER: 183-S1 & 183-S2**GRADE LEVEL: 11-12****CREDIT: 1.0****PREREQUISITE: Geometry A or Teacher Recommendation****PRE CALCULUS (State Course Code 02106A000)**

This course includes the study of trigonometry, advanced algebra, theory of equations and analytic geometry. The first semester emphasis is on trigonometry and the emphasis the second semester is on elementary mathematical analysis. Students who complete the course should be prepared for calculus and other first year college mathematics courses.

COURSE NUMBER: 402-S1 & 402-S2**GRADE LEVEL: 11-12****CREDIT: 1.0****PREREQUISITE: Algebra II with a C or higher or permission of instructor**

PROBABILITY & STATISTICS (State Course Code 02201A001) ~ Transitional Math Course

Math course framework designed to prepare and transition students directly into college and career pathways requiring general education college level math competencies in quantitative literacy and statistics. The competencies within each domain should include, but are not limited to: numeracy (operation sense, estimation, measurement, quantitative reasoning, basic statistics, and mathematical summaries), application based algebraic topics, and functions and modeling. Upon completion students should be able to: demonstrate proficiency and understanding in basic numeracy competencies in whole numbers, integers, fractions, and decimals, use estimation and explain/justify estimates, apply quantitative reasoning to solve problems involving quantities or rates, use mathematical summaries of data such as mean, median, and mode, use and apply algebraic reasoning as one of multiple problem-solving tools, and use functions and modeling processes. Course to be delivered through authentic application, problem based instruction designed to build mathematical conceptual understanding and critical thinking skills. **This course cannot be counted as a student's third Mathematic credit.**

COURSE NUMBER: 802-S1 & 802-S2

GRADE LEVEL: 12

CREDIT: 1.0

PREREQUISITE: 3 years of mathematics credits

MATHEMATICS HONORS PROGRAM

Note: In order to move from Non-Honors to the Honors path, the Instructional Leader must approve the teacher's request.

GEOMETRY-HONORS (State Course Code 02072A000)

Geometry is the study of visual patterns and relationships to other mathematics. It also helps develop logical reasoning and other learning skills useful throughout life. This class includes topics such as area, volume, transformations, reasoning, patterns, and more. These topics are covered with additional rigor and depth in this class. A scientific calculator is necessary for area and volume calculations. All students will be required to take one credit of Geometry to fulfill the State of Illinois math requirement. **Weighted Course**

COURSE NUMBER: 281-S1 & 281-S2

GRADE LEVEL: 9 - 10

CREDIT: 1.0

PREREQUISITE: 8th grade Algebra and pass Algebra placement test

ALGEBRA II-HONORS (State Course Code 02056A000)

During the first half, such topics as: linear equations and inequalities, factoring polynomials, rational expressions, radicals and rational number exponents, the quadratic formula, and complex numbers will be covered. The second semester will consist of topics such as: functions, conic sections, binomial expansions, and trigonometric functions. These topics are covered with additional rigor and depth in this class. **Weighted Course**

COURSE NUMBER: 113-S1 & 113-S2

GRADE LEVEL: 10

CREDIT: 1.0

PREREQUISITE: Honors Geometry with B- or higher or permission of instructor

HONORS PRE-CALCULUS (State Course Code 02105A000)

This course includes the study of trigonometry, advanced algebra, theory of equations and analytic geometry with more rigor than the Pre-Calculus course. The first semester's emphasis is on trigonometry and the emphasis the second semester is on elementary mathematical analysis. Students who complete the course should be prepared for calculus and other first year college mathematics courses. **Weighted Course**

COURSE NUMBER: 293-S1 & 293-S2

GRADE LEVEL: 11-12

CREDIT: 1.0

PREREQUISITE: Honors Algebra II with a B- or higher or permission of instructor

AP STATS (State Course Code 02203A000)

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. This class will serve as a great introduction to Statistics for those students who might have to take a Stats class in college. Students must take the AP test at the end of this course. **Weighted Course**

COURSE NUMBER: 120-S1 & 120-S2

GRADE LEVEL: 11-12

CREDIT: 1.0

PREREQUISITE: Honors Algebra II with a C or higher

MATHEMATICS AIDE (State Course Code 02995A000)

This course offers students the opportunity to assist instructors in preparing, organizing, or delivering course materials. Students may provide tutorial or instructional assistance to other students.

COURSE NUMBER: 278-S1 & 278-S2

GRADE LEVEL: 11-12

CREDIT: 1.0 (0.5 if only taken for a semester)

PREREQUISITE: Algebra II-Honors and instructor permission

AP CALCULUS AB (State Course Code 02124A000)

Following the College Board's suggested curriculum designed to parallel college-level calculus courses, this course provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: elementary functions; properties of functions and their graphs; limits and continuity, theorems about derivatives, geometric applications, optimization problems, rate-of-change problems and integral calculus. Students must take the AP test at the end of this course. **Weighted Course**

COURSE NUMBER: 114-S1 & 114-S2

GRADE LEVEL: 12

CREDIT: 1.0

PREREQUISITE: Honors Pre Calculus with a B or higher or permission from the instructor.

SCIENCE

Year	Course(s)
Freshman	Physical Science or Honors Biology
Sophomore	General Biology Agriculture Science Zoology Honors Chemistry
Junior/Senior	Environmental Science Botany General Chemistry Forensics Physics 1 Human Anatomy & Physiology AP Chemistry AP Physics I AP Biology

Suggested Sequences:

College Bound (non-science):

Physical Science -----> General Biology -----> General Chemistry or Zoology ----->Physics I

College Bound (science):

Honors Biology----->Honors Chemistry----->AP Chemistry/AP Biology/AP Physics 1

Medical Related Field:

Honors Biology----->General/Honors Chemistry----->Physiology/AP Biology/Physics I/ AP Physics 1/AP Chemistry

PHYSICAL SCIENCE (State Course Code 03159A000)

The content of the physical science course is based upon the recommendation of the Next Generation Science Standards. The course will cover general principles of chemistry, physics and earth and space science. The topics covered may include scientific method, measurement, particulate nature of matter, energy, forces and motion, waves, sound, light, electricity, magnetism, earth and space science. Students will be able to demonstrate an understanding of the physical environment and be able to apply scientific laws and principles to observations of the world around them. A lab fee may be charged for this course.

COURSE NUMBER: 812-S1 & 812-S2

GRADE LEVEL: 9

CREDIT: 1.0

PREREQUISITE: None

HONORS BIOLOGY (State Course Code 03052A000)

This course will satisfy the Biology requirement for graduation. This course will cover biological systems in more detail, using the Next Generation Life Science Standards. Topics that may be explored include cell organization, function, and reproduction: energy transformation, genetics, heredity, genetic technology, and the evolution and adaptation of organisms. Students will be expected to complete both laboratory and homework on a regular basis. This class is highly recommended for the college bound student. A lab fee may be charged for this course. **Weighted Course**

COURSE NUMBER: 805-S1 & 805-S2

GRADE LEVEL: 9

CREDIT: 1.0

PREREQUISITE: Algebra I completed and teacher recommendation from their 8th grade Science teacher

GENERAL BIOLOGY (State Course Code 03051A000)

General Biology is a required course for graduation. The content in General Biology is based on the Next Generation Life Science Standards. There is a strong emphasis on inquiry-based learning of life science phenomena. This is designed to promote student discussion and the exchange of ideas such as scientists as they collaborate and work. The course includes principles of scientific investigations, structures and functions of organisms ranging from the small to large scale, ecosystems, genetics and heredity, and biological evolution. Students will be expected to complete both laboratory and classroom work. A lab fee may be charged for this course.

COURSE NUMBER: 156A-S1 & 156A-S2

GRADE LEVEL: 10

CREDIT: 1.0

PREREQUISITE: None

AGRICULTURE SCIENCE (State Course Code 18003A001)

This course builds on the basic skills and knowledge gained in the Introduction to Agriculture course. Major units of study include agriculture research, advanced soil science, advanced plant science, meat science, biotechnology, and advanced animal science. Applied science and math skills and concepts will be stressed throughout the course as they relate to each area. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

COURSE NUMBER: 144-S1 & 144-S2

GRADE LEVEL: 10-11

CREDIT: 1.0

PREREQUISITE: Intro to Ag

ZOOLOGY (State Course Code 03052A000)

This course is an extension of General Biology. Topics will be studied in greater depth with a focus on cytology, zoology, and evolution. Students will be expected to complete both laboratory and classroom work. A lab fee may be charged for this course.

COURSE NUMBER: 830-S1 & 830-S2

GRADE LEVEL: 10-12

CREDIT: 1.0

PREREQUISITE: Successful completion of General Biology or Honors Biology

HONORS CHEMISTRY (State Course Code 03102A000)

Honors Chemistry is a prerequisite for AP Chemistry that focuses on an inquiry based approach to science. Topics in this course include measurement, the particulate nature of matter, chemical formulas and equations, bonding, molecular structure, quantitative relationships and quantum theory, kinetic theory, gas laws, intermolecular forces, phase changes, acids and bases, equilibrium, redox reactions and nuclear chemistry. Honors Chemistry is highly recommended for the college bound student planning on majoring in science. A lab fee may be charged for this course.

Weighted Course

COURSE NUMBER: 801-S1 & 801-S2

GRADE LEVEL: 10-12

CREDIT: 1.0

PREREQUISITE: Honors Algebra II Concurrent and teacher recommendation

BOTANY (State Course Code 03058A000)

Botany would allow students who are interested in plants to learn more about their anatomy and physiology. Designed for the college-bound student, students will engage in hands-on, researched based learning and experiments. Paired with Zoology, this class will benefit college-bound students by exposing them to the different branches of biology. This course would also enable those who are interested in plants to engage in the upkeep and maintenance of the school courtyard. The curriculum would help to teach students basic plant care and inform them about native plant species important to the ecosystems in our area. **This course will be offered during the Spring semester.**

COURSE NUMBER : 833

GRADE LEVEL: 11-12, 10 if on Honors Track

CREDIT: 0.5

PREREQUISITE: General Biology or Honors Biology with a C or better.

ENVIRONMENTAL SCIENCE (State Course code 03003A000)

The course is designed to provide students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. The focus on this course will be: Matter and Energy in Organisms and Ecosystems, Interdependent Relationships in Ecosystems, Natural Selection and Evolution, Earth's Systems, Climate Change, and Human Sustainability. **This course will be offered during the Fall semester.**

COURSE NUMBER: 260-S1

GRADE LEVEL: 11-12

CREDIT: 0.5

PREREQUISITE: General Biology and General Chemistry or Physical Science

FORENSICS (State Course Code 15055A000)

This course is to provide a science class focused on the application of knowledge from many branches of science. Students will have the opportunity to learn about a profession and develop a skill set that other science classes cannot provide. Students will practice analyzing evidence to determine what occurred at a crime scene and how to identify a suspect with their analysis. These skills are very important for all sciences, and this class will provide students with a unique opportunity to develop them. Any student interested in Law Enforcement will benefit from this class. They will have the opportunity to further their interests, and may determine which path they want to take.

COURSE NUMBER: 832-S1 & 832-S2

GRADE LEVEL: 11-12

CREDIT: 1.0

PREREQUISITE: Successful completion of two other Science classes with a C or better

GENERAL CHEMISTRY (State Course Code 03101A000)

General Chemistry is the branch of science that deals with matter, the changes that matter can undergo and the relationships that describe these changes. Topics in this course include measurement, the particulate nature of matter, chemical formulas and equations, bonding, molecular structure, quantitative relationships and quantum theory. Students will be expected to complete both classroom and laboratory work related to these topics. Chemistry is strongly recommended for the college bound student. A lab fee may be charged for this course.

COURSE NUMBER: 804-S1 & 804-S2

GRADE LEVEL: 11-12

CREDIT: 1.0

PREREQUISITE: Successful completion of Algebra I and Geometry with a B or better in both subjects and math teacher approval.

COREQUISITE: Algebra II or higher taken concurrently

PHYSICS I (State Course Code 03151A000)

Physics is the most fundamental and all-inclusive of the sciences. Physics is a laboratory based course that primarily studies the behavior of matter and energy. Topics in this course include mathematical relationships, kinematics, forces, energy transformations and waves. Physics is strongly recommended for the college bound student. A lab fee may be charged for this course.

COURSE NUMBER: 390-S1 & 390-S2

GRADE LEVEL: 11-12

CREDIT: 1.0

PREREQUISITE: Completion of Algebra II with a B or better and Math teacher approval

HUMAN ANATOMY & PHYSIOLOGY (State Course Code 03053A000)

Usually taken after a comprehensive initial study of biology, Human Anatomy and Physiology courses present the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), and may dissect mammals. This course is highly recommended for college bound students interested in the medical field. A lab fee may be charged for this course.

COURSE NUMBER: 831-S1 & 831-S2

GRADE LEVEL: 11-12

CREDIT: 1.0

PREREQUISITE: General Biology or General Chemistry with a C average or above

AP CHEMISTRY (State Course Code 03106A000)****Offered on odd years****

Following the curricula recommended by the College Board, AP Chemistry courses usually follow high school chemistry and second-year algebra. Topics covered may include atomic theory and structure; chemical bonding; nuclear chemistry; states of matter; and reactions (stoichiometry, equilibrium, kinetics, and thermodynamics). AP Chemistry laboratories are equivalent to those of typical college courses. This class is highly recommended for students that are college bound and interested in the medical field. A lab fee may be charged for this course. **Weighted Course**

COURSE NUMBER: 803-S1 & 803-S2**GRADE LEVEL: 11-12****CREDIT: 1.0****PREREQUISITE: Honors Chemistry and Honors Algebra II must have passed with a B or better or with permission of the instructor.****COREQUISITE: Pre Calculus & strongly recommend Physics I****AP BIOLOGY (State Course Code 03056A000)**

Adhering to the curricula recommended by the College Board and designed to parallel college-level introductory biology courses, AP Biology courses stress basic facts and their synthesis into major biological concepts and themes. These courses cover three general areas: molecules and cells (including biological chemistry and energy transformation); genetics and evolution: and organisms and populations (i.e., taxonomy, plants, animals, and ecology). AP Biology courses include college-level laboratory experiments. This class is highly recommended for students that are college bound and interested in the medical field. A lab fee may be charged for this course. **Weighted Course**

COURSE NUMBER: 806-S1 & 806-S2**GRADE LEVEL: 11-12, 10 with science teacher approval****CREDIT: 1.0****PREREQUISITE: General Biology or Honors Biology with a grade of B or higher.****COREQUISITE: Chemistry or Honors Chemistry (concurrently or already completed)****AP Physics 1 (State Course Code 03163A000)******Offered on even years****

Designed by the College Board, AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills.

Weighted Course**COURSE NUMBER: 819-S1 & 819-S2****GRADE LEVEL: 11-12****CREDIT: 1.0****PREREQUISITE: Honors Algebra II with a B or better average and math teacher approval. Seniors should have taken Honors Pre-Calculus with a B or better average and math teacher approval.****COREQUISITE: Honors Pre-Calculus (Juniors)**

SOCIAL STUDIES

GRADE	WORKFORCE	TECHNICAL OR COMMUNITY COLLEGE	COLLEGE PREP	HONORS COLLEGE PREP
9	US History 1861-1920	US History 1861-1920	US History 1861-1920	US History 1861-1920
10	World History	World History	World History	World History
11	US History 1920-Present	US History 1920-Present	US History 1920-Present	US History 1920-Present or AP US History
11-12	Government and World Geography or Psychology Or US Military History or History of Sports	Government and Sociology or Economics or World Geography or Psychology Or US Military History or History of Sports	Government and Sociology or Economics or Humanities or Psychology	Government and Sociology or Economics or Humanities

US HISTORY 1861-1920 (State Course Code 04109A000)

The study of U.S. History provides the chief source for understanding America and its people. While looking at past events, the course may emphasize the development of trends in economic, political and social quarters. The course will consist of three units beginning with the Civil War and Reconstruction Period, continuing with the Industrial Age and finishing with the Progressive Era.

COURSE NUMBER: 457

GRADE LEVEL: 9

CREDIT: 0.5

PREREQUISITE: None

WORLD HISTORY (State Course Code 04051A000)

World History broadened the understanding of students about the history of our world civilization. The first part of this course will cover the following topics: major themes in geography, ancient civilization and the Middle Ages in Western Europe. The second part of this course will cover the topics: The Renaissance and Reformation, The Age of Revolution, The Industrial Age, World War I, World War II and the Cold War.

COURSE NUMBER: 570-S1 & 570-S2

GRADE LEVEL: 10

CREDIT: 1.0

PREREQUISITE: None

U.S. HISTORY 1920-PRESENT (State Course Code 04103A000)

This course is required for graduation. The study of American History provides the chief source for understanding America and her people. While looking at past events, the course may emphasize the development of trends in economic, political, and social quarters. The area(s) of study begin with Imperialism and goes through the decades of the 60's, 70's and 80's. State requirements include the study of labor unions, ethnic groups, women in history and the Holocaust.

COURSE NUMBER: 453-S1 & 453-S2

GRADE LEVEL: 11

CREDIT: 1.0

PREREQUISITE: None

AP U.S. HISTORY (State Course Code 04104A000)

****Offered on even years****

Following the College Board's suggested curriculum designed to parallel college-level U.S. History courses, AP U.S. History courses provide students with the analytical skills and factual knowledge necessary to address critical problems and materials in U.S. history. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. The course examines the discovery and settlement of the New World through the recent past. **Weighted Course**

COURSE NUMBER: 807-S1 & 807-S2

GRADE LEVEL: 11-12

CREDIT: 1.0

PREREQUISITE: Teacher recommendation

GOVERNMENT (State Course Code 04151A000)

This course is required for graduation in order to satisfy the federal and state constitution requirement. In addition the course will include the study of the Declaration of Independence, voting procedures, and the operation of our federal, state, and local governments. The course will discuss how our governments affect us on a daily basis.

COURSE NUMBER: 282

GRADE LEVEL: 11-12

CREDIT: 0.5

PREREQUISITE: None

WORLD GEOGRAPHY (State Course Code 04001A000)

This course will be a survey of Population, Cultural, Political and Economic Geography. Topics will include population growth and distribution; cultural components and system and diversity; and political and economic systems.

COURSE NUMBER: 565

GRADE LEVEL: 11-12

CREDIT: 0.5

PREREQUISITE: None

ECONOMICS (State Course Code 04201A000)

This course will provide students with an overview of economics with primary emphasis on the principles of microeconomics and the U.S. economic system. This course may also cover topics such as international economics and comparative economics.

COURSE NUMBER: 239

GRADE LEVEL: 11-12

CREDIT: 0.5

PREREQUISITE: None

SOCIOLOGY (State Course Code 04258A000)

Sociology deals with the social problems we face as a society and possible solutions that could be utilized to solve them. The majority of the course deals with the American Society. However, some world cultures are discussed. Some of the following topics may be discussed: what is sociology and how can it be applied, dating problems of adolescents, adolescence, phobias, cultural universals, norms, folkways, mores, rape, sports violence, how to improve esteem, and other related topics. The following topics may be discussed: marriage and the family, birth rates, divorce, population trends, death, child abuse, dropout problems, the problems of aging, juvenile crime, crime prevention, shoplifting, prisons, changing roles of women and men, poverty, race problems, prejudice and discrimination, minorities in American life, the defense mechanisms people use, city problems, social mobility and other related topics.

COURSE NUMBER: 425

GRADE LEVEL: 11-12

CREDIT: 0.5

PREREQUISITE: None

HUMANITIES (State Course Code 04310A000)

Humanities integrates the study of art, music, literature, history and religion around philosophical questions and positions. Designed to encourage intellectual growth and analytical thinking, numerous projects are assigned that incorporate the use of technology.

COURSE NUMBER: 298-S1 & 298-S2

GRADE LEVEL: 11-12

CREDIT: 1.0

PREREQUISITE: None

CURRENT EVENTS (State Course Code 04106A000)

This class will study current events through focusing on three basic social studies disciplines: current social problems, minorities in U.S. society, and humanities. This course will help students develop analytical, communicative, and social skills necessary to live more effectively with others and themselves.

COURSE NUMBER: 189

GRADE LEVEL: 11-12

CREDIT: 0.5

PREREQUISITE: None

PSYCHOLOGY (State Course Code 04254A000)

This course introduces students to the study of individual human behavior. Course content typically includes (but is not limited to) an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology.

COURSE NUMBER: 383

GRADE LEVEL: 11-12

CREDIT: 0.5

PREREQUISITE: None

US MILITARY HISTORY (State Course Code 04109A000)

The students will investigate the factors that have led to victory or defeat in U.S. Military History. Conditions such as leadership, supplies, strategies, technology, alliances, etc will be probed.

COURSE NUMBER: 441

GRADE LEVEL: 11-12

CREDIT: 0.5

PREREQUISITE: None

HISTORY OF SPORTS IN AMERICA (State Course Code 04299A000)

Students will examine the changing philosophies, trends and developments in sports in America. This will cover sports and recreation from colonial times through the present and will explore such topics as amateurism, the Olympics, the Negro Leagues, all major sports, etc.

COURSE NUMBER: 270

GRADE LEVEL: 11-12

CREDIT: 0.5

PREREQUISITE: None

COMPUTER TECHNOLOGY

COMPUTERS APPLICATIONS I (State Course Code 10004A001)

This is a course designed to give students a working knowledge of the programs included in the Microsoft Office Suite. Throughout the course students will be introduced to each program in the suite through MindTap, an online platform. Students will develop skills for creating products that can be used in both personal and business contexts. Specific units of instruction include Word, Excel, Access, and PowerPoint.

COURSE NUMBER: 178
GRADE LEVEL: 9-12
CREDIT: 0.5
PREREQUISITE: None

Introduction to Computer Programming (State Course Code 10152A001)

This course is designed for students who are interested in learning more about Computer Programming. The course focuses primarily on basic Java, control structures and an introduction to methods and parameters. By the end of the course students will be able to build their own application from scratch. No prior programming skills are necessary, however students should be familiar with Basic Algebra.

COURSE NUMBER: 816
GRADE LEVEL: 9-12
CREDIT: 0.5
PREREQUISITE: None

COMPUTERS APPLICATIONS II (State Course Code 10004A001)

Computer Applications II is designed to develop those technologies and computer applications skills acquired in Computer Applications I. The goal of this course is to provide students with opportunities to enhance their computer technology, decision-making, productivity, communications, and problem-solving skills. Areas of instruction include advanced computer applications and integration of word processing, desktop publishing, spreadsheet, database, and presentation software, as well as the use of emerging technologies. Students will learn advanced skills to make them ready for college or the workplace.

COURSE NUMBER: 193
GRADE LEVEL: 9-12
CREDIT: 0.5
PREREQUISITE: Successful completion of Computers I

WEB DESIGN (State Course Code 10201A001)

This course is designed to provide students with information and skills needed to use and create pages on the World Wide Web. Students will learn how to create web pages using HTML code and web authoring software. Students will create their own pages along with updating pages on the web.

COURSE NUMBER: 555
GRADE LEVEL: 10-12
CREDIT: 0.5
PREREQUISITE: None

DESKTOP PUBLISHING (State Course Code 10202A001)

This course is designed to provide students with information and skills needed to create attractive print and online documents using the microcomputer with desktop publishing applications. Using current industry software, the student will be able to create, view and make changes in a variety of documents properly utilizing text and graphics. Students will produce pamphlets, brochures, newsletters, multimedia presentations.

COURSE NUMBER: 213

GRADE LEVEL: 10-12

CREDIT: 0.5

PREREQUISITE: None

INTRODUCTION TO AUTOCAD (State Course Code 21102A001)

Students begin the study of CAD (AutoCADr13) through the study of mechanical and electrical drafting; while learning the commands and procedures of the software the students are also learning the concepts of projection, section, auxiliary view, dimensioning, tolerances, pictorials and lettering. Emphasis on occupational uses of each area is stressed. Students continue in the learning of CAD (AutoCADr13) through the study of architectural drafting; while learning the commands and procedures of the software the students are also learning the concepts of design, lettering, floor plans, elevations, and working drawings. This continuation of the beginning study of CAD is not limited, however, to architectural drafting as examples of civil engineering drafting are also included.

COURSE NUMBER: 325-S1 & 325-S2

GRADE LEVEL: 10-12

CREDIT: 1.0

PREREQUISITE: Communication Technology and/or Geometry

VIDEO GAME DESIGN (State Course Code 10205A001)

In this course students will learn how to create their own video games using the Unity game engine, the same engine used by professionals to create many of today's popular games. In this course students will learn how to use various tools in Unity. Students will also create their own scripts using the C# programming language. By the end of the course students will create their own video game.

COURSE NUMBER: 811

GRADE LEVEL: 10-12

CREDIT: 0.5

PREREQUISITE: Introduction to Computer Programming or Teacher recommendation

MEDIA COMMUNICATIONS I (State Course Code 11051A000)

This course introduces students to the fundamentals of television broadcasting and TV journalism. Students learn the fundamentals of planning, organizing, directing, and producing video productions. Due to the nature of the course, students are required to spend a significant amount of time before and after school to complete their assignments. A lab fee of \$25.00 is assessed for each student.

COURSE NUMBER: 355-S1 & 355-S2

GRADE LEVEL: 11-12

CREDIT: 1.0

PREREQUISITE: 2 years of English

AP Computer Science A (State Course Code 10157A000)

AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. Students taking this class will complete an AP test at the end of the course.

COURSE NUMBER: 815-S1 & 815-S2

GRADE LEVEL: 11-12

CREDIT: 1.0

PREREQUISITE: Algebra I

MEDIA COMMUNICATIONS II (State Course Code 11051A000)

This class is a continuation of Media Communications I. Students have an opportunity to enhance the skills and lessons learned in the first course of the sequence. A lab fee of \$25.00 is assessed for each student.

COURSE NUMBER: 356-S1 & 356-S2

GRADE LEVEL: 12

CREDIT: 1.0

PREREQUISITE: C in Media Communications I or permission of instructor

CONSUMER EDUCATION

PERSONAL FINANCE (State Course Code 22210A000)

This class meets the state's consumer education requirement. This course is designed to prepare students to be productive citizens. Topics include savings & investments, budgets, checking accounts, credit, etc.

COURSE NUMBER: 385

GRADE LEVEL: 11-12

CREDIT: 0.5

PREREQUISITE: None

DRIVER EDUCATION

DRIVER EDUCATION (State Course Code 08151A000)

This course includes highway safety, rules of the road, and the efficient, proper, and safe operation of an automobile. This is the state required safety course of all students. Due to state guidelines, there are attendance requirements for this class. Sherrard High School's policy is that a student may not miss more than 14 days or they may not receive credit for this class/be removed from class and placed in the next semester class. **In order to qualify for a driving permit, a student must pass eight courses or four credits the previous two semesters. In order to be eligible to drive with the instructor their classroom fee of \$100.00 must be paid in full to Sherrard Unit 200 and maintain a passing grade in ALL classes. A parent/guardian signature and a \$20.00 fee paid to the Secretary of State is required to obtain a student permit.**

COURSE NUMBER: 221-S1 or 221-S2 (depending on birthday)

GRADE LEVEL: 9-12

CREDIT: 0.5

PREREQUISITE: Must pass eight (8) courses or four (4) credits the previous two (2) semesters

HEALTH

HEALTH (State Course Code 08051A000)

Areas of study include: mental health, personal health (making healthy choices), nutrition, STD's (including HIV/AIDS), human growth and development, childbirth, chemical & substance abuse, and First Aid/CPR/AED. The course emphasizes the relationships between the development of social, emotional, physical and mental health. The intent is to develop a student's awareness of a healthy lifestyle.

COURSE NUMBER: 286

GRADE LEVEL: 9-12

CREDIT: 0.5

PREREQUISITE: None

PHYSICAL EDUCATION

PERSONAL FITNESS LEVEL 1 (State Course Code 08005A000)

Students in this course will have either participated in the Jr High Personal Fitness class, or have been recommended by their Jr High or High School PE teacher. This course is for students with a low training age (0-2 years of consistent training). This course will focus on the Block Zero and Block One programming, which covers movement patterns, general physical preparation (GPP), and basic movement skills (sprinting, jumping, change of direction, etc..).

Any student who has not been a part of consistent strength and conditioning within the Sherrard School District will be placed in this class. This will help them re-groove their movement patterns and gain the general physical preparedness needed to advance to Personal Fitness 2.

COURSE NUMBER: 381-S1 & 381-S2

GRADE LEVEL: 9-12

CREDIT: 1.0

PREREQUISITE: Teacher recommendation prior to registration

PERSONAL FITNESS LEVEL 2 (State Course Code 08005A000)

Students in this course will have completed at least 2 consistent years of strength and conditioning within the Sherrard School District. This course is for students with a moderate training age (3-4+ years of consistent training). This course will focus on the Block Two and Block Three programming, which covers more intensely weighted movement patterns, a transition to more specific physical preparation (SPP), and advanced movement skills (sprinting, jumping, change of direction, etc..).

Any student (grades 10-12) who has been a part of consistent strength and conditioning within the Sherrard School District will be placed in this class. This will help them advance their movement patterns and gain the special physical preparedness needed to improve their sports performance. (NOTE: Consistent means 80% or more attendance in their sport lifting from the previous calendar YEAR.)

Any student who has previously been in Level 2 may get sent back to Level 1 for reasons including, but is not limited, to the following: opting out of PE for a semester (with no sports lifting), students moving into the district, students who show they need remediated work, students who have been injured for a semester or longer. This decision will be made at the teachers discretion.

COURSE NUMBER: 389-S1 & 389-S2

GRADE LEVEL: 10-12

CREDIT: 1.0

PREREQUISITE: Teacher recommendation prior to registration

PHYSICAL EDUCATION (State Course Code 08001A000)

Physical Education contributes to all phases of individual development. It is the intention of the program to provide students with knowledge of the benefits of exercise and the principles of training necessary to achieve physical/health related fitness. This will also include skills, knowledge, and attitudes of selected sport skills that will have a carry-over value in later life. Grades are based on knowledge, participation, attitude, cooperation and respect.

COURSE NUMBER: 380-S1 & 380-S2 PE Boys/382-S1 & 382-S2 PE Girls

GRADE LEVEL: 9-12

CREDIT: 1.0

PREREQUISITE: None

ATHLETIC WAIVER (PE OPT) (383)

A Junior or Senior may request a waiver from physical education for a semester if the student participates in an interscholastic sport during that semester and replaces the physical education course **with an academic course**. The student must remain in the course for the duration of the semester and complete the interscholastic sport season. Sport Seasons defined as follows:

1st Semester PE Exemption:

Golf
Cross Country
Football
Volleyball
Cheerleading (Football Season)
Dance Team (Football Season)
Marching Band
Soccer - Boys

2nd Semester PE. Exemption

Basketball
Cheerleading (Basketball Season)
Dance Team (Basketball Season)
Baseball
Softball
Track
Soccer - Girls
Wrestling

****NOTE:** Students requesting PE exemption based on Interscholastic Sport participation **MUST** complete the interscholastic season. Failure to do so will result in cancellation of waiver and reinstatement of PE requirement.

DUAL CREDIT CLASSES

The dual enrollment courses provide an opportunity for students to earn college credit at the same time they are earning high school credit. Students will receive **3 college credits** towards their college credits and ½ credit for High School. The college credit can be applied to an Associate's Degree or transferred to a college or university. The courses will be taught at Sherrard High School by a Black Hawk instructor. The Blackhawk calendar will be used to determine start and finish dates and days off. Students may be required to attend classes when the High School is closed or during fall or spring break. Students will need to complete a Black Hawk application and take and pass the ACCUPLACER test for some of the classes. The Accuplacer test can be given by the Sherrard counseling staff in the counseling office. The student will be responsible for paying the course tuition but if they score a "C" or above, the Sherrard School Board will refund half of the paid tuition for up to 4 courses.

ENGLISH 101 (Composition I)

The first of two courses in the one-year composition sequence, English 101 introduces students to college-level writing as a process of developing and supporting a thesis in an organized essay. English 101 requires students to read and think critically, and it emphasizes using appropriate style and voice as well as the conventions of standard English and citation.

COURSE NUMBER: 242

GRADE LEVEL: 12

CREDIT: 0.5 (High School) 3.0 (College)

PREREQUISITE: Pass the ACCUPLACER test

ENGLISH 102 (Composition II)

English 102 is the second of two courses in the one-year composition sequence. English 102 continues exposing students to college-level writing by developing and supporting a thesis in persuasive papers. English 102 requires students to read and think critically and to apply documentation and research skills to a multi-sourced academic research writing assignment.

COURSE NUMBER: 251

GRADE LEVEL: 12

CREDIT: 0.5 (High School) 3.0 (College)

PREREQUISITE: English 101 with a C or better

SPEECH 101 (Principles of Speech Communication)

The oral communication course combines communication theory with the practice of oral communication skills. The oral communication course: (1) develops awareness of the communication process; (2) provides inventional, organizational, and expressive strategies; (3) promotes understanding of and adaptation to a variety of communication contexts; and (4) emphasizes critical skills in listening, reading, thinking and speaking.

COURSE NUMBER: 440

GRADE LEVEL: 11

CREDIT: 0.5 (High School) 3.0 (College)

PREREQUISITE: None

PSYCH 101 (Introduction to Psychology)

A survey of the field of general psychology without specific emphasis on any particular theory or model of human or animal behavior. Fundamental principles, methods, theories and issues in the field are discussed. Content areas may include learning, thinking, neuroscience, methodology, memory, perception, personality, intelligence, emotion, adjustment, and abnormality among others.

COURSE NUMBER: 416

GRADE LEVEL: 12

CREDIT: 0.5 (High School) 3.0 (College)

PREREQUISITE: None

PE 125 (Physical Fitness)

Students in this course will have completed at least 3 consistent years of strength and conditioning within the Sherrard School District. This course is for students with a moderate training age (3-4+ years of consistent training). This course will focus on the Block Two and Block Three programming, which covers more intensely weighted movement patterns, a transition to more specific physical preparation (SPP), and advanced movement skills (sprinting, jumping, change of direction, etc..).

***Additional Tuition Required for Dual Credit (PE 125)**

COURSE NUMBER: PE125

GRADE LEVEL: 12

CREDIT: 1.0

PREREQUISITE: Teacher recommendation prior to registration

WELDING 101 (Intro to Arc Welding)

***Additional Tuition Required for Dual Credit.**

Prerequisites: Intro to Ag and Basic Ag Mechanics.

Students are expected to provide appropriate work clothes but they are not required to purchase specific items of clothing. Course Description: This course assists students in gaining the knowledge and developing the basic skills needed to be successful in welding technology. Units of instruction include arc and MIG welding, metallurgy, cutting metal using arc, plasma, and oxy-gas. In addition, students learn the basics of blueprint reading, precision measuring, layout, and production process planning. Students will progress from arc (stick) welding to MIG welding.

COURSE NUMBER: WLD101

GRADE LEVEL: 11-12

CREDIT: 0.5 (High School) 3.0 (College)

PREREQUISITE: Teacher recommendation prior to registration

Welding 120 (Introduction to GMAW)

***Additional Tuition Required for Dual Credit**

Students are expected to provide appropriate work clothes but they are not required to purchase specific items of clothing. Course Description: This course builds on the skills and concepts introduced in Welding Technology 1 and provides more in-depth skill development in various types of welding including flat, horizontal, and vertical. Students will progress from arc (stick) welding to MIG to oxyacetylene to TIG for stainless steel and aluminum welding.

COURSE NUMBER: WLD120

GRADE LEVEL: 11-12

CREDIT: 0.5 (High School) 3.0 (College)

PREREQUISITE: WLDG 101

VOCATIONAL / SPECIAL FORCES

AGRICULTURE

INTRODUCTION TO AGRICULTURE (State Course Code 18001A001)

This orientation course provides an opportunity for students to learn about the importance of agriculture to the world. As well as how the agriculture industry is run/operates; its major components; the economic influence of agriculture at state, national, and international levels; the scope and types of job opportunities in the agriculture field. Topics covered in this course will include, but are not limited to the world food supply and basic concepts in animal science (cattle, swine, sheep, goats, poultry, etc), soil science, plant science, agriculture mechanics, agribusiness, and food science. Topics will also include parliamentary procedure, public speaking, communications, record keeping, and an introduction to agricultural careers. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

COURSE NUMBER: 320-S1 & 320-S2

GRADE LEVEL: 9-10 (Orientation level course)

CREDIT: 1.0

PREREQUISITE: None

BASIC AGRICULTURE MECHANICS (State Course Code 18401A001)

In this course, theory and hands-on experiences provide opportunities for students to develop basic knowledge and skills in agricultural mechanics. Instructional areas include the basic fundamentals of maintaining and repairing small gasoline engines, basic electricity, welding, construction, and operating agricultural equipment safely. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

COURSE NUMBER: 147-S1 & 147-S2

GRADE LEVEL: 10-11 (Orientation level course)

CREDIT: 1.0

PREREQUISITE: Intro to Ag

NATURAL RESOURCE CONSERVATION & MANAGEMENT (State Course Code 18504A002)

This course examines the relationship of agriculture and natural resources. Student knowledge and skills will be developed in: understanding natural resources and its importance; fish, wildlife, and forestry management and conservation; and exploring outdoor recreational enterprises. Hunting and fishing as a sport, growing and maintaining tree forests and outdoor safety education will be featured. Students will have the option to take the Hunter's Safety Certification Course and Test. Encouraging students to be conscious and concerned about the environment and recognizing the need to conserve the environment and its resources will be a theme throughout. Participation in FFA activities and Supervised Agricultural Experience (SAEP) projects is an integral course component.

COURSE NUMBER: 370-S1 & 370-S2

GRADE LEVEL: 10-12 (Skill level course)

CREDIT: 1.0

PREREQUISITE: Intro to Ag or Instructor Permission

HORTICULTURE, LANDSCAPE DESIGN, & NURSERY/GREENHOUSE MANAGEMENT (State Course Code 18053A001)

This course is designed to introduce students to the horticulture industry and provide them with basic plant science knowledge that can be further developed in advanced horticulture courses. Major units of instruction include horticulture research, horticultural careers, plant anatomy, seed germination, plant propagation, growing media, pest management, hydroponics, identifying horticultural plants, growing greenhouse crops, landscape design, and floral design. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

COURSE NUMBER: 556-S1 & 556-S2

GRADE LEVEL: 11-12 (skill level course)

CREDIT: 1.0

PREREQUISITE: Intro to Ag & Ag Science, or permission of Instructor

PRE-VETERINARY SCIENCE (State Course Code 18105A000)

This course is designed to reinforce and extend a student's understanding of science by associating basic scientific principles and concepts with relevant applications in agriculture. Topics of study in Vet Science will develop a student's understanding of the livestock industry; including beef, dairy, sheep, goats, swine, poultry, and others. Topics of instruction include scientific investigations, genetics, animal anatomy and physiology, animal nutrition, reproduction, and general health. This course will be valuable preparation for further education and will increase the relevance of science through the applied setting of agriculture. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

COURSE NUMBER: 557-S1 & 557-S2

GRADE LEVEL: 11-12 (skill level course)

CREDIT: 1.0

PREREQUISITE: Intro to Ag & Basic Ag Science, or permission of Instructor

AGRICULTURE CONSTRUCTION AND TECHNOLOGY (State Course Code 18403A001)

This course will concentrate on expanding the student's knowledge and experiences with agricultural mechanics technologies utilized in the agriculture industry. Major units of instruction include: personal safety, hand tools, power tools, blueprint reading, surveying, and construction skills in carpentry. A major focus is on skills related to construction such as electricity, plumbing, concrete, and block laying. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

COURSE NUMBER: 106-S1

GRADE LEVEL: 11-12 (skill level course)

CREDIT: 0.5

PREREQUISITE: Intro to Ag & Basic Ag Science, or permission of Instructor

AG METAL FABRICATION (State Course Code 18401A002)

This course will emphasize the development of basic welding and metalworking skills necessary to succeed in agricultural careers in the agricultural metal fabrication industry. Topics of instruction include: metal identification and properties, metal preparation, use of oxy-acetylene torch, plasma cutting and cutting operations, arc welding, MIG welding, TIG welding, and project design and construction. A focus will also be placed on the operations of the CNC plasma table, mills and lathes. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

COURSE NUMBER: 119-S1 & 119-S2

GRADE LEVEL: 11-12 (skill level course)

CREDIT: 1.0

PREREQUISITE: Intro to Ag & Basic Ag Mechanics, or permission of Instructor

AG MACHINERY AND SERVICE (State Course Code 18402A000)

This comprehensive machinery service course concentrates on the following areas: using service manuals, electrical applications for agricultural equipment, fundamentals of multi-cylinder engines, reconditioning and repairing agricultural equipment, assembling and adjusting agricultural equipment, organization and management of agricultural machinery dealerships, human relations, and sales techniques. Careers such as agricultural equipment salesperson, mechanic, parts manager, sales manager, service technician, and other related occupations will be examined. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

COURSE NUMBER: 118-S2

GRADE LEVEL: 11-12 (skill level course)

CREDIT: 0.5

PREREQUISITE: Intro to Ag & Basic Ag Mechanics or permission of the Instructor

AGRICULTURE BUSINESS MANAGEMENT (State Course Code 18201A001)

This course will provide students with the basic knowledge and skills necessary to manage personal finances and develop into a successful entrepreneur and/or businessperson. Instructional units include: business ownership types, starting an agribusiness, managing and operating an agribusiness, financing an agribusiness, managing personal finances, record keeping and financial management of an agribusiness, local, state, and federal taxes, sales and marketing, economic principles, and developing employability skills. Student skills will be enhanced in math, reading comprehension, and writing through agribusiness applications. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

COURSE NUMBER: 105-S1 & 105-S2

GRADE LEVEL: 11-12 (skill level course)

CREDIT: 1.0

PREREQUISITE: Intro to Ag & Agriculture Science, or permission of the Instructor

AG METAL FABRICATION II (State Course Code 18401A002)

This course will focus on the skills required to manufacture metal products and run a successful metal fabrication business. Students will be placed in leadership roles, and use their metal fabrication skills to create marketable items. Skills used in this class include welding, CNC cutting and machining, metal bending, shaping and others. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

COURSE NUMBER: 121-S1 & 121-S2

GRADE LEVEL: 12 (skill level course)

CREDIT: 1.0

PREREQUISITE: Ag Metal Fabrication I or permission of the Instructor

Sherrard FFA Chapter

The FFA is an organization that is an integral and an extracurricular activity designed to provide agriculture students with leadership, citizenship, and cooperative skills. Emphasis on leadership is in the form of youth leadership conferences, trips, tours, and seminars. Members will also have the opportunity to participate at national and state conventions as well as FFA contests and activities. Students involved with the FFA are much more prepared to leave high school and enter careers of their choice or attend post high school learning institutions. Each year 200 NEW careers in agriculture seek trained and knowledgeable employees. Over one million dollars of agricultural education scholarship money is available for college education. A membership fee does apply to members. ALL STUDENTS ENROLLED IN AGRICULTURE CLASSES ARE STRONGLY ENCOURAGED TO JOIN THE FFA.

BUSINESS

INTRODUCTION TO BUSINESS (State Course Code 12001A001)

This is a course designed to develop an understanding of our American business and economic principles. It will cover such topics as the economic role of business and classifications of business organizations. The course will include how to organize and use financial data in the application of decision making for business. It also includes business communications and computations, electronic technology, banking services, managing money, using credit wisely and savings and investments. An introduction to occupations in the field of business are integrated throughout the course. The student studies our economic system from the viewpoint of a consumer, worker and business owner or manager. The course will develop reading, listening, speaking and writing skills.

COURSE NUMBER: 327-S1 & 327-S2

GRADE LEVEL: 9-10

CREDIT: 1.0

PREREQUISITE: None

BUSINESS LAW (State Course Code 12054A001)

This course is designed to introduce the student to the world of business and the laws that pertain to it with an emphasis on legal quarters and the history of law. It includes the study of actual court cases, the judicial system, current events, tort and criminal law; and the laws that affect contracts, sales, employment, insurance, and personal property. Students actively participate in a mock trial at the end of this course.

COURSE NUMBER: 162-S1 & 162-S2

GRADE LEVEL:: 10-12

CREDIT: 1.0

PREREQUISITE: None

ACCOUNTING I (State Course Code 12104A001)

Accounting I is a skill level course that is of value to all students pursuing a strong background in business, marketing, and management. This course includes learning experiences that develop initial and basic skills used in systematically computing, classifying, recording, verifying and maintaining numerical data involved in financial control. Instruction provides information on keeping financial records, summarizing them for convenient interpretation by preparing financial reports, and analyzing them to provide assistance to management for decision making. In addition to stressing basic fundamentals and terminology of accounting, instruction shall provide initial understanding of career opportunities in the accounting field. Practice sets with business papers will be used to emphasize actual business records management. The study of accounting continues with merchandising business concepts, including sales tax, returns and allowances, and discounts. Accounting practices involving partnerships and corporations are introduced. Among the more specific topics are payroll, analysis of accounting information, as well as more advanced transactions. The later may include current and plant assets, depreciation, bad debts, inventory, and other pertinent topics.

COURSE NUMBER: 100-S1 & 100-S2

GRADE LEVEL: 10-12

CREDIT: 1.0

PREREQUISITE: None

ACCOUNTING II (State Course Code 12104A002)

This course is planned to develop a deeper knowledge of the principles of accounting with more emphasis placed on financial statements and their interpretation. Simulated business conditions will be provided through the use of practice sets. Accounting computer applications will be integrated throughout the course. Skills are developed in the entry, retrieval, and statistical analysis of business data using computers. The second part of this course continues with a study of previously learned principles as they apply to more complicated types of business organizations. The student will become familiar with such specialized fields as cost accounting, payroll accounting, and others. Students will do a specialized accounting computer application. Simulated business conditions will be provided through the use of practice sets. This course provides a technical background for college bound students planning a business curriculum, as well as for those planning immediate vocational employment.

COURSE NUMBER: 101-S1 & 101-S2

GRADE LEVEL: 11-12

CREDIT: 1.0

PREREQUISITE: Accounting I

BUSINESS OWNERSHIP MANAGEMENT (State Course Code 12053A001)

This course provides a solid foundation about how a business is formed, how it operates, and how it is managed. It also includes market research, pricing, distribution, advertising, sales, sources of financing and human relations. A stock market simulation is included as a component of corporate financing. In the second part of this course, the students will either research and plan a business of their own or as a class form a corporation, sell stock, market a product and keep financial records. This enables the student to apply the principles of management and marketing. Resource people from the business community are an integral part of this course.

COURSE NUMBER: 170-S1

GRADE LEVEL: 11-12

CREDIT: 0.5

PREREQUISITE: None

MARKETING (State Course Code 12164A001)

This course provides a solid foundation for the skills required for those students with career goals in marketing, which employs the largest segment of business. Four basic areas of marketing are taught. **Product:** The product procurement and development process. This includes market research analysis techniques and prototype evolution. **Price:** Pricing the product for optimal profits. Money management and break even analysis are an integral part of pricing a product. **Promotion:** The essentials of advertising psychology, salesmanship, layout principles, ad mix and demographics influence the promotion process. **Place:** How location and market timing is critical to the success of most businesses. Financial fundamentals of federal, state and city tax concepts are included as well as the basic overall operation of a marketing business. Skills in customer relations and product service planning are included throughout all units.

COURSE NUMBER: 351-S2

GRADE LEVEL: 11-12

CREDIT: 0.5

PREREQUISITE: None

FAMILY AND CONSUMER SCIENCES

LIFE/CLOTHING & CONSTRUCTION (State Course Code 22201A001)

This course is designed to present basic subject matter in these areas:

1. Relationships and Families
2. Clothing and Textiles
3. Foods, Nutrition and Wellness
4. Child Care Development
5. Consumer Decision
6. Housing, Furnishings and Equipment
7. Introduction to the World of Work

The basic areas may not be taught in the sequence given. Learning experiences assist students in understanding themselves, their roles in today's society and the nature of homemaking and other home economics related careers.

COURSE NUMBER: 346-S1 & 346-S2

GRADE LEVEL: 9-11

CREDIT: 1.0

PREREQUISITE: None

PARENTING (State Course Code 22204A001)

This course helps students understand the responsibilities, satisfactions and stresses of parenthood. Special attention is given to preparing for parenthood, prenatal development and care, and childbirth. Course content includes the following: managing and organizing parenting by applying decision-making and goal-setting skills; applying the basic principles of the parenting process; practicing health and safety standards as related to parenting. Special attention is given to the needs of teenage parents and to the importance of readiness for parenthood. During the course, each student will be required to care for a Real-Care baby simulator.

COURSE NUMBER: 342

GRADE LEVEL: 10-12

CREDIT: 0.5

PREREQUISITE: None

EARLY CHILDHOOD EDUCATION (State Course Code 19052A001)

This course emphasizes learning experiences with children. The students will learn about the mental, physical, social and emotional development of children, primarily preschoolers. Students will also learn about organizing and running a daycare/preschool, evaluating a preschoolers progress, and they will create various projects for preschoolers in the following areas: art, science, math, puppetry, storytelling and music. Students will be required to furnish their own supplies. This class is a prerequisite for Child and Day Care Services (ACC).

COURSE NUMBER: 231

GRADE LEVEL: 10-12

CREDIT: 0.5

PREREQUISITE: None

FOODS I (State Course Code 16054A001)

This course is recommended for students interested in the food service program and includes basic classroom and laboratory experiences needed to develop knowledge and understanding of basic food principles and applied nutrition for people of all ages. The content centers around the following duty areas: promoting food service and preparation management using the decision-making process; meeting basic needs by applying nutrition concepts; meeting health and safety needs in planning, preparing and serving food; maximizing resources when planning/preparing/serving food; promoting hospitality in food practices; and analyzing individual and family nutritional needs in relation to change. Information related to careers in foods and nutrition is incorporated throughout the course. In the second part of this course, more attention is paid to food selection and preparation for special circumstances and dietary needs. Laboratory sessions are devoted to preparation of foods with specific characteristics. Course content includes the following broad areas of emphasis: careers in foods and nutrition, influences on food customs, diet and health, current nutritional issues, planning for special food needs, safety of foods, food purchasing, prevention of foodborne illness, and conservation in food preparation. The application of the above-mentioned areas of emphasis to food service occupations is stressed. This course provides an introduction to commercial food service, preparation and management.

COURSE NUMBER: 265A

GRADE LEVEL: 10-12

CREDIT: 0.5

PREREQUISITE: None

FOODS II (State Course Code 16054A003)

This course uses the basics learned in Foods I to relate them to a commercial food service setting. Food management skills, menu planning, food purchasing, sanitation and quantity food production are practiced with emphasis on customer satisfaction. Careers in the foodservice industry are reviewed. Students learn the use and care of some commercial food service equipment. The second part of this course is designed to provide students interested in a career in food service with the information and practical experiences needed for the development of food service job-related competencies. The students receive laboratory experiences using food service equipment, preparing food in quantity and serving food. Safety and sanitation are emphasized. Training experiences simulate those found in business and industry.

COURSE NUMBER: 266B

GRADE LEVEL: 10-12

CREDIT: 0.5

PREREQUISITE: Foods I

SENIOR LIFE SKILLS (State Course Code 22206A000)

Senior Life Skills is designed to increase student knowledge and skills necessary for everyday living beyond high school. The course emphasizes goal-setting, job seeking process, decision making and problem solving, communication, healthy lifestyles, nutrition and wellness, personal safety, citizenship, minor auto maintenance, consumerism, and other skills required for everyday life.

COURSE NUMBER: 826

GRADE LEVEL: 12

CREDIT: 0.5

PREREQUISITE: Senior status

EDUCATION AIDE (State Course Code 19995A000)

Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students at the Jr./Sr. High School.

COURSE NUMBER: 244-S1 and/or 244-S2

GRADE LEVEL: 12

CREDIT: 0.5 for a semester or 1.0 if taken both semesters

PREREQUISITE: Senior status

FINE ARTS

ART I (State Course Code 05155A000)

This course is designed for the beginning art students to explore various mediums and methods in art. Students are guided through individual projects in the following units: drawing, perspective, portraiture, watercolor painting, ceramics, social art, comic strips, calligraphy and design. Basic Art History is looked at. An artist paper and presentation is required. A material fee will be charged for this class.

COURSE NUMBER: 125-S1 & 125-S2

GRADE LEVEL: 9-10 (11 with permission of Instructor)

CREDIT: 1.0

PREREQUISITE: None

ADVANCED ART 2 (State Course Code 05154A000)

This course is designed for students that have a basic understanding of art theory and art history. The course explores advanced "2D" techniques in drawing, painting, pastels, and illustration. This course allows time for portfolio production for students interested in a college art major. There will be a materials fee for this course.

COURSE NUMBER: 102-S1 & 102-S2

GRADE LEVEL: 10-12

CREDIT: 1.0

PREREQUISITE: Art I with a B or above or instructor permission

ADVANCED ART 3 (State Course Code 05170A000)

This course is designed for students that have a basic understanding of art theory and art history. The course explores advanced 3D techniques, working with ceramics, wood, wire, stone, plaster and alternative materials. This course allows time for portfolio production for students interested in a college art major. There will be a materials fee for this course.

COURSE NUMBER: 103-S1 & 103-S2

GRADE LEVEL: 11-12

CREDIT: 1.0

PREREQUISITE: Art I with a B or above or instructor permission

ADVANCED ART 4 (State Course Code 05170A000)

This course is designed for serious art students who may want a career in art. Students will create a digital college portfolio. Students must have passed all previous art courses within the requirements listed above. This course allows students to explore advanced techniques in 2D and 3D artwork. Students are expected to work independently to expand their creative visual expression. There will be a materials fee for this course.

COURSE NUMBER: 104-S1 & 104-S2

GRADE LEVEL: 11-12

CREDIT: 1.0

PREREQUISITE: Advanced Art 2 or 3 with a B in both classes and instructor permission

AP STUDIO ART (State Course Code 05171A000) (TENTATIVE)

Advanced Placement Studio Art is a college level class that students will be expected to complete and/or curate 18-24 works in the span of one school year. They will submit a portfolio to the college board for credit. AP Studio Art is offered to visual art students who have completed a minimum of two (2) year-long studio art courses in addition to Arts Foundation's (Art 1). These courses currently include Advanced 2D Art and Advanced 3D Art.

COURSE NUMBER: 107-S1 & 107-S2

GRADE LEVEL: 12

CREDIT: 1.0

PREREQUISITE: Art 1, Advanced Art 2 and Advanced Art 3

BAND (State Course Code 05101A000)

High School Band is open to all students who have successfully completed the requirements of 8th Grade Band or have special permission from the instructor. All students participate in Symphonic Band, Marching Band, and Pep Band. Also available are Jazz Ensemble, Musical Pit Band, and small ensembles. Required performances include: marching performances (home football games, parades, and marching competitions); selected home basketball games; select community and school performances; Holiday, Winter, and Spring Concerts; conference band festivals; IHSA Music Organizational Contest; IHSA Solo & Ensemble Contest; and Commencement (graduation).

COURSE NUMBER: 145-S1 & 145-S2

GRADE LEVEL: 9-12

CREDIT: 1.0

PREREQUISITE: 8th Grade Band or special permission from the instructor

PERCUSSION ENSEMBLE (State Course Code 05106A000)

Instrumental Ensemble courses are intended to develop students' technique for percussion instruments in small ensemble groups. Instrumental Ensemble courses cover one or more instrumental ensemble or band literature styles.

COURSE NUMBER: 148-S1 & 148-S2

GRADE LEVEL: 9-12

CREDIT: 1.0

PREREQUISITE: Teacher Recommendation

CHOIR (State Course Code 05110A000)

Choir is open to all students who have successfully completed the requirements of 8th Grade Choir or have special permission from the instructor. Students will learn rudiments of vocal technique, performance skills, music theory fundamentals, and sight singing. Students are required to attend all concerts including Fall, Holiday, Winter, and Spring concerts. In addition to the class, students are required to participate in the following community events and programs: IHSA Music Organizational Contest; Veteran's Day; Madrigal dinner (on select years); various choral festivals; and Commencement (graduation). Students who go above and beyond may be selected for Madrigals/A Cappella groups, Musical, Variety Show, IHSA Solo & Ensemble Contest, or may audition and participate in the ILMEA and/or TRAC honor choir festival.

COURSE NUMBER: 163-S1 & 163-S2

GRADE LEVEL: 9-12

CREDIT: 1.0

PREREQUISITE: None

MUSIC THEORY (State Course Code 05113A000)

Students will learn how to read, write, analyze, and perform music in preparation for music theory courses after high school. Music theory is a class designed for the advanced musician to more thoroughly understand the components of music and music composition. This class will enable the student to successfully complete basic college theory classes. Students will also be able to compose music and understand the guidelines used in music composed by others. It is preferred that students can already read music and have been a member of one of our music ensembles before taking this course, but it is not required.

COURSE NUMBER: 810-S1 & 810-S2

GRADE LEVEL: 10-12

CREDIT: 1.0

PREREQUISITE: Band or Choir

FOREIGN LANGUAGE

SPANISH I (State Course Code 06101A000)

Designed to introduce students to Spanish language and culture, Spanish I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Culture is introduced through the art, literature, customs, and history of Spanish speaking people.

COURSE NUMBER: 431-S1 & 431-S2

GRADE LEVEL: 9-12 (Seniors with permission of instructor)

CREDIT: 1.0

PREREQUISITE: C (70% based on current scale) average or better in previous 2 semester English and Spanish course or Teacher recommendation.

SPANISH II (State Course Code 06102A000)

This course builds upon the skills developed in I, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture(s).

COURSE NUMBER: 432-S1 & 432-S2

GRADE LEVEL: 10-12

CREDIT: 1.0

PREREQUISITE: C (70% based on current scale) or better in Spanish I or Teacher recommendation.

SPANISH III (State Course Code 06103A000)

This course focuses on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

COURSE NUMBER: 433-S1 & 433-S2

GRADE LEVEL: 11-12

CREDIT: 1.0

PREREQUISITE: B (80% based on current scale) in Spanish II or Teacher recommendation.

SPANISH IV (State Course Code 06104A000)

This course focuses on advancing students' skills and abilities to read, write, speak, and understand the Spanish language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

COURSE NUMBER: 434-S1 & 434-S2

GRADE LEVEL: 11-12

CREDIT: 1.0

PREREQUISITE: 80% (based on current scale) in Spanish III or Teacher recommendation.

SPANISH V (State Course Code 06105A000)

Students enrolled in Spanish IV will be learning a variety of forms to communicate in the target language. The class is held in Spanish and students will be required to practice (speak) and use their previously acquired skills to partake in the class. Lengua y Cultura will give each student the opportunity to explore the Hispanic culture in both contemporary and historical contexts. Through this course, Students will develop an awareness of and appreciation for the different cultures throughout the Hispanic world and compare them with their own communities. Some of the topics that are covered are as follows: Global challenges, the Arts, Contemporary life, Hispanic History and Literature and a strong emphasis on Communication. Students will be exposed to Native speakers with different regional pronunciations through authentic audio clips, videos and guests. Students will be speaking in the target language and working towards mastery of the target language. To promote and foster the enhancement of communication skills in a foreign language, it is expected that students will actively participate in the target language.

COURSE NUMBER: 411-S1 & 411-S2

GRADE LEVEL: 12

CREDIT: 1.0

PREREQUISITE: B (80% based on current scale) in Spanish IV or Teacher recommendation. Students that are Juniors can enroll in both Spanish IV and Spanish V IF certain requirements are met. See teacher for more information.

INDUSTRIAL TECHNOLOGY

COMMUNICATION TECHNOLOGY (State Course Code 11002A001)

Is designed to foster an awareness and understanding of the technologies used to communicate in our industrial society. Students will gain experience in the areas of: industrial communication by studying design and drafting, computers in communication, computer aided drafting. Transportation in industry will also be discussed in this course. The students will gain insight into the transporting of materials, goods, and people by doing a variety of transportation related activities.

COURSE NUMBER: 196

GRADE LEVEL: 9-11

CREDIT: 0.5

PREREQUISITE: None

PRODUCTION TECHNOLOGY (State Course Code 13052A001)

Is designed to foster an awareness and understanding of manufacturing, mass production and construction technology. Through a variety of learning activities, students are exposed to many career opportunities in the production field. Experiences in manufacturing include product design, materials and processes, tools and equipment, safety procedures, and marketing. Energy utilization in industry will be studied. Through a variety of activities, using woodworking and metalworking skills, students will learn how various forms of energy are harnessed and used in industry. A product is required for this course and a charge for the materials will be made.

COURSE NUMBER: 414

GRADE LEVEL: 9-11

CREDIT: 0.5

PREREQUISITE: None

WOODS I (State Course Code 17007A001)

This course concentrates on basic hand and machine woodworking. This course covers basic hand tools and operations necessary for basic woodworking, basic machine operations, furniture construction methods and finishing methods. A project will be made by each student. Emphasis is placed on safe operation of woodworking equipment. The next part of this course is an advanced woodworking production course in which students refine their skills through projects and group work. Students may increase their knowledge of machine operations, furniture construction methods and application of finish by spraying. Group work includes the construction of cabinet furniture or other kinds of mass produced wooden products as a media for training. A project is required for this course and will be a charge for the materials used.

COURSE NUMBER: 456-1

GRADE LEVEL: 10-12

CREDIT: 0.5

PREREQUISITE: Communication and Production Technology

INTRO TO MEDIA COMMUNICATIONS (State Course Code 11051A000)

This course seeks to teach the basic skills necessary to move on to Media Communications I & II. Skills include basic filming, interviewing, and broadcasting skills. Technologically, students leaving this course will have a solid mastery of Final Cut Pro, Soundtrack Pro, Motion, DVD Studio Pro and other Apple editing software.

COURSE NUMBER: 299

GRADE LEVEL: 10-12

CREDIT: 0.5

PREREQUISITE: None

CHROMEBOOK MANAGEMENT & REPAIR (State Course Code 10252A000)

This course will teach students the basics of Chromebook repair including but not limited to screen repairs, keyboard replacement, and motherboard repair. Students will also utilize a management system for checking out loaners, handling check in and check out systems for damaged computers, and monitor the overall condition of all Chromebooks. Students will also be expected to undertake a Genius Project involving technology. The Genius Project would be an independent research and development project (i.e. developing an app, coding, writing scripts).

COURSE NUMBER: 800-S1 & 800-S2

GRADE LEVEL: 10-12

CREDIT: 1.0

PREREQUISITE: NO Chromebook violations, NO major disciplinary issues and Must maintain regular attendance.

ARCHITECTURAL DRAFT I & MECHANICAL DRAFT I

(State Course Codes 21103A001 & 21106A001)

Students began learning the application of AutoCAD through the study of mechanical drafting; while learning the advanced commands and procedures of the software the students are also learning and applying the concepts of orthographic projection, sectioning, auxiliary views, advanced dimensioning techniques, tolerances, pictorials and renderings, with an introduction to slides, walkthroughs wireframe, and modeling. This study and use of CAD is not limited, however, to mechanical drafting as the principles of 3D CAD are also included. Students continue in the application of AutoCAD through the study of architectural drafting; while learning the advanced commands and procedures of the software the students are also learning and applying the concepts of design, lettering, floor plans, elevations, mechanical, structural, working and presentation drawings which would include introductory walkthroughs and 3D. This study and use of CAD is not limited, however, to architectural drafting as the principles of civil engineering drafting are also included. Civil engineering drafting will include plot plans, plan views of road and bridge construction, topographical drawings, cross sections, urban and rural projects, and subdivision planning.

COURSE NUMBER: 122 & 330

GRADE LEVEL: 11-12 (Grade 10 with permission)

CREDIT: 1.0

PREREQUISITE: Intro Auto CAD w/ C or better

LIVE BROADCASTING (State Course Code 11002A000)

Students in this course will create and produce live broadcast events for the Sherrard School district. This would include but not be limited to athletic contests and drama productions. Students will develop highlight clips, graphics, and scripts including statistical research for the number of home contests. Students taking this class must be willing and able to attend several after school contests during each sports season and/or drama productions.

COURSE NUMBER: 706-S1 & 706-S2

GRADE LEVEL: 11-12

CREDIT: 1.0

PREREQUISITE: Intro to Media

WOODS II (State Course Code 17007A002)

This course is designed to aid the student in entering the field of millwork and cabinet making on the entry level. Special attention will be given to those machine operations necessary in the cabinet making trades. This course includes the selection of materials, advanced construction techniques, cost estimating, finishing, and the safe utilization of all hand and power tools found in the shop setting. The student will design, construct and finish a project approved by the instructor. A project is required for this course and will be a charge for the materials used.

COURSE NUMBER: 462-2

GRADE LEVEL: 11-12

CREDIT: 0.5

PREREQUISITE: Woods I and Teacher Recommendation

ARCHITECTURAL DRAFT II & MECHANICAL DRAFT II

(State Course Codes 21103A002 & 21106A002)

This course is a continuation of this three level curriculum. Interested students are encouraged to complete 3 levels of this exciting program. In Advanced Mechanical Drafting II, considerable time is spent perfecting the drafting tasks introduced in Advanced Mechanical Drafting. Additional concepts and tasks in multiview drawings, sectioning, descriptive geometry, sheet metal layout, CAD-CAM, and advanced walkthroughs and 3D are also presented. In this part of the course, considerable time is spent refining the architectural tasks introduced in Advanced Architectural Drafting, however, new concepts and tasks are also stressed. Costs, bill of materials, commercial buildings, walkthroughs and 3D. Information regarding: employment skills, career information, job referrals, curriculum related field trips, and college and technical advisement and representatives, are offered during this senior year. All students are encouraged to keep a zip disk of their drawings for future job and/or college placement interviews.

COURSE NUMBER: 123 & 354

GRADE LEVEL: 12 (Grade 11 with permission)

CREDIT: 1.0

PREREQUISITE: Architectural I & Mechanical I with C or better

INDEPENDENT DRAFTING SPECIALIZATION (State Course Code 21147A000)

This program offers individualized instruction to any student who feels a need to pursue a specialized interest in any particular phase of computer aided drafting. This course would be on a contractual basis and the student would meet during the regular classes without being required to meet most of the comprehensive objectives of the established drafting program. Specialized instruction might be interior design presentations, civil drafting, computer animation or any related architectural or mechanical areas.

COURSE NUMBER: 309-S1 & 309-S2

GRADE LEVEL: 12

CREDIT: 1.0

PREREQUISITE: Permission of Instructor

COMPUTER ANIMATION (State Course Code 10202A001)

This course will introduce computer animation using 3D Studio Max or similar software. Buildings, structures, and shapes can be designed with color, materials, surface (texture). Lighting, shadows, reflections are then applied. The object(s) are then placed in an environment defining foreground, background and or space. Movement is defined and timed. Walkthroughs, and flybys are developed.

COURSE NUMBER: 180-S1 & 180-S2

GRADE LEVEL: 12 (Grade 11 with permission)

CREDIT: 1.0

PREREQUISITE: Intro to CAD and Permission of Instructor

AREA CAREER CENTER

Students who desire a specific course must complete the appropriate application. Applications may be obtained from your school counselor. Some ACC programs require an interview and/or a mandatory parent/student meeting for admission. Final approval and enrollment is based upon the application, the qualifications of the student, and the recommendation of the school counselor. Enrollment in Area Career Center courses will not be denied to any student because of physical handicap or economic disadvantage.

ACC ADVANCED COMPUTER APPLICATIONS (556V)

Grades: 11 / 12 Credits: 1.0 Full Year Course Fees: \$6 per semester

Prerequisites: Computer Technology A and Computer Technology B strongly recommended.

Course Description: This is a one-period course that meets for one full year. It integrates computer technology, decision-making and problem-solving skills. Students will exit with skills needed for success in college and/or the workplace. Areas of instruction may include: Multi-media, Web tools, presentation skills, on-line research, Desktop Publishing, layout and design techniques, software integration, advanced applications, and future technology trends. Instructional strategies may include: Project-based inquiry, various computer/technology applications, teacher demonstrations, collaborative instruction and peer teaching. Emphasis will be on developing 21st Century technology and interpersonal skills. Inquiry-based learning will encourage students to define, research, evaluate and develop solutions to problems that reflect current business issues. Software products will include: Microsoft Office, Google docs, Adobe InDesign, Photoshop and Open Office applications.

ACC AUTO BODY 1 (542V)

Grades: 11 / 12 Credits: 2.5 Full Year Course Fees: \$5 per semester
\$3 safety glasses
\$7 leather gloves

Cotton coveralls to be purchased by student

Prerequisites: None.

Course Description: This course provides learning experiences designed to allow students to gain knowledge and skills in repairing automotive bodies and fenders. Planned learning activities in this course are balanced to allow students to become knowledgeable in the fundamental aspects of auto body repair methods and techniques, and to develop practical skills in the basic operations required to prepare the automobile for final paint application. Instruction emphasizes safety principles and practices, hazardous materials, auto body nomenclature, function of individual components, the use of parts manuals, the identification of replacement parts, the use of auto body fillers, the use of plastic/fiberglass fillers and special body repair tools, refinishing problems, and paint preparation procedures. Practical activities relate to removing and installing body panels, trim, and glass; straightening by using hammers, bucks, and jacks; and smoothing by filing, grinding, and using fillers. Students also learn to prime the area to be painted and prepare the surface for final paint application. These experiences and skills are important for all automotive-related finishes.

ACC AUTO BODY 2 (543V)

Grade 12

Credits: 2.5

Full Year

Course Fees: \$5 per semester

\$3 safety glasses

\$7 leather gloves

Cotton coveralls to be purchased by student

Prerequisites: Successful completion of ACC Auto Body 1 and instructor recommendation. **Course**

Description: This course provides learning experiences designed to further enhance the students' skills in performing more advanced tasks related to automotive body and fender repair. Learning activities in this course emphasize the successful application of the final paint coat and the preparation that precedes it. Emphasis is also placed upon the identification and correction of imperfections and finish buffing of the final coat. Student learning activities include instruction in safety principles and practices, hazardous materials, types and qualities of paints, colors, and refinishing problems; glass standards and installation, special alignment techniques and customer relations. Student practical activities relate to experiences in estimating collision damage costs, preparing customer bills, removing and replacing glass surfaces, selecting paints, repainting minor and major damages, repainting total car body, drying or baking painted surfaces, post-paint cleanup, and post-paint polishing.

ACC AUTO MECHANICS 1 (544V) (AUTOMOTIVE TECHNICIAN 1)

Grades 11 / 12

Credits: 2.5

Full Year

Course Fees: \$5 per semester

\$3 safety glasses

Prerequisites: Basic Home and Auto strongly recommended.

Course Description: This course introduces students to the intermediate to advanced skills needed to inspect, maintain, and repair automobiles and light trucks that run on gasoline, electricity, or alternative fuels. Instructional units include engine performance, automotive electrical system, integrated computer systems, lubrication, exhaust and emission control, steering and suspension, fuel systems, cooling system, braking, and powertrain.

ACC AUTO MECHANICS 2 (545V) (AUTOMOTIVE TECHNICIAN 2)

Grade: 12

Credits: 2.5

Full Year

Course Fees: \$5 per semester

\$3 safety glasses

Students are expected to provide adequate work clothing but are not required to purchase specific items of clothing.

Prerequisites: Successful completion of ACC Auto Mechanics 1 and teacher recommendation.

Course Description: This course is a continuation of and builds on the skills and concepts introduced in ACC Auto Mechanics I (Automotive Technician I). This course includes instructional units in alternative fuel systems, computerized diagnostics, new vehicle servicing, automotive heating and air conditioning, transmissions, testing and diagnostics, drivetrain and overall automobile performance.

ACC BARBERING 1 (536V) (BARBERING 1)

Grades: 11 / 12

Credits: 2.5

Full Year

Course Fees: None

Prerequisites: In most cases, students must provide their own transportation.

Course Description: This is the first year of a two year program in Barbering. The barbering program must be approved and licensed by the Illinois Department of Financial and Professional Regulations, Division of Professional Regulation and meet all state and federal regulations. This course offers students curriculum in both theory and practice in the following areas as they relate to the practice of barber science and art: anatomy; physiology; skin diseases; hygiene and sanitation; barber law; hair cutting and styling; shaving, shampooing, and permanent waving; massaging; and barber implements as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act. Knowledge, skills, and activities completed in this course will help students prepare for Barbering 2, while earning hours toward licensure.

ACC BARBERING 2 (537V) (BARBERING 2)

Grade: 12

Credits: 2.5

Full Year

Course Fees: Cost of tools
will be negotiated.

Prerequisites: Credit in ACC Barbering 1. In most cases, students must provide their own transportation.

Course Description: This is the second year of a two year program in Barbering. The barbering program must be approved and licensed by the Illinois Department of Financial and Professional Regulations, Division of Professional Regulation and meet all state and federal regulations. It offers advanced theoretical and practical skill development to prepare students for the barbering license exam. Training will cover at a minimum: anatomy; physiology; skin diseases; hygiene and sanitation; barber history; barber law; hair cutting and styling; shaving, shampooing, and permanent waving; massaging; bleaching, tinting and coloring; and barber implements as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act, as well as labor and compensation laws. Knowledge, skills, and activities completed in Barbering 1 and 2 will prepare students to take the licensure exam and progression to obtain the 1500 hours of study in barbering.

ACC BUILDING TRADES 1 (550V) (CONSTRUCTION TRADES 1)

Grades: 11 / 12

Credits: 2.5

Full Year

Course Fees: \$5 per semester
\$3 safety glasses

Prerequisites: Woodworking 1 recommended.

Course Description: This course provides experiences related to the erection, installation, and maintenance of residential buildings and related fixtures. Planned learning activities allow students to understand fundamental principles and methods, and develop technical skills related to masonry, carpentry, and finish work. Instruction includes safety principles and practices, recognition of standard lumber sizes, foundation layout methods, building concepts and procedures, local, state, and national codes, cost estimating, and blueprint reading.

ACC COSMETOLOGY (554V) (COSMETOLOGY 1)

Grade: 12 Credits: 2.5 Full Year Course Fees: \$25 per semester
\$16 uniform

Prerequisites: In most cases, students must provide their own transportation.

Course Description: The Cosmetology program must be approved and licensed by the Illinois Department of Financial and Professional Regulations, Division of Professional Regulation and meet all state and federal regulations. Cosmetology 1 introduces students to the requirements to become a licensed cosmetologist. It offers students instruction in both theory and practical application in the following areas: tools and their use, shampoo, understanding chemicals and use, types of hair, sanitation, hygiene, skin diseases and conditions, anatomy and physiology, electricity, ethics, nail technology and esthetics as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act. Knowledge, skills, and activities completed in this course will help prepare students for Cosmetology II, while earning hours toward licensure.

ACC DESIGN AND DRAFTING 1 (560V) (ARCHITECTURAL/MECHANICAL DRAFTING

Grades: 11 / 12 Credits: 2.5 Full Year Course Fees: \$5 per semester

Prerequisites: Drafting 1 and Communication Technology recommended.

Course Description: Architectural course is designed to provide students interested in a career in Architecture with information and practical experience needed for the development of job-related competencies. Students are made aware of the career opportunities available in the Architectural Drafting and Architectural Drafting CAD - CADD field. Instruction is provided in the areas of planning and organizing activities, researching information, performing general office procedures, preparing of preliminary drawings, basic layout, detail drawings, reproduction techniques, producing working drawings, and computer aided drafting. Students are also provided with instruction in producing architectural drawings in the areas of presentation, floor plans, illustration of landscape features, sketching preliminary floor plans, drawing foundation plans and sections, exterior elevations, stair sections, chimney sections, roof sections, finish schedules, preparing plumbing, HVAC and electrical plans, and structural drawings.

Mechanical course introduces students to layout to scale using specified tolerances, preparing detailed drawing for individual parts from drawings, layout and creating assembly drawings, and preparing mechanical orthographic subassembly drawings. This course also includes a sequence of CAD experiences in 2-dimensional and 3-dimensional drawing generation to include vocabulary development, system operation, entity creation, dimensioning and text insertion, plotting, three dimensional coordinate system, 3-D parts detailing and assembly drawings, wire frame models, and system management.

ACC DESIGN AND DRAFTING 2 (561V) (ARCHITECTURAL/MECHANICAL DRAFTING 2)

Grade: 12

Credits: 2.5

Full Year

Course Fees: \$5 per semester

Prerequisites: Credit in ACC Design and Drafting 1.

Course Description: Architectural instruction is provided in the areas of locating information using computer data files, determination of materials and availability, project conferences, checking plan dimensions, drawing schematic sketches, preparing scale sketches, producing drawings from written/verbal instructions, application of coordinate dimensioning standards, creating drawings using a plotter/ printer, producing renderings and/or charts and graphs, and common plan features. Instruction is also provided in the areas of drawing framing plans; wall sections; fireplace sections; door sections; door and window schedules; dimensioning structural steel drawings; constructing column detail drawings; preparation of structural foundation, slab and floor plans; drawing electrical, block, schematic and electrical connection drawings. Skills relating to CAD include preparation of a basic CAD drawing; building and editing a database; developing a 3-dimensional drawing; and selection appropriate line work, line weight and color. Mechanical instruction is provided in the areas of identifying appropriate interfacing personnel (internal/external), producing renderings and project time schedules, producing structural working drawings as structural steel plans; dimension structural steel drawings and draw beam connections; and producing electrical and electronic working drawings as electrical and electronic schematic diagrams. Additional skills introduced in this program include determining the requirements of a specific drafting job; preparing preliminary drawings such as freehand, isometric, orthographic and oblique sketches; preparing detail drawings such as creating assembly drawings, orthographic projections, sectional views, auxiliary views, isometric views and letter drawings; producing mechanical working drawings such as detailing components of mechanical orthographic assembly and subassembly drawings; and using CAD command processes to prepare a basic CAD drawing.

***ACC EXTENDED CAMPUS HEALTH OCCUPATIONS (ECHO) 1 (538V) (NURSING ASSISTANT)**

Grades: 11 / 12

Credits: 2.5; 8 at BHC

Full Year

Course Fees:\$10 per semester

\$20-\$40 white uniform & shoes

\$65 State Certification *Additional

Tuition Required for Dual Credit Testing (optional)

Prerequisites: None.

Course Description: This is a Certified Nursing Assistant program approved by the Illinois Department of Public Health (Program #0288). The course is composed of a combination of theory, laboratory simulations and clinical experiences providing direct patient care. Clinical work is under the direction of a registered nurse clinical instructor. Successful completion of all aspects of the program qualifies the student to take the Illinois Competency Exam and be placed on the Illinois health Care Worker Registry. The student learns those competencies needed to be employed as a nursing assistant working under the direction of the registered nurse. Areas of class instruction include the role of the nurse assistant, medical ethics, patient rights, safety, anatomy and physiology, pathophysiology, communication, infection control, medical terminology, nutritional needs, basic nursing care, patient observation, reporting and recoding, rehabilitation, psychological support, basic emergency care, and death and dying. During clinical rotations, the study provides supervised care for patients with a wide variety of conditions and diseases. *Dual credit available; ask your counselor for details.

***ACC EXTENDED CAMPUS HEALTH OCCUPATIONS (ECHO) 2 (539V) / MEDICAL TERMINOLOGY and HEALTH OCCUPATIONS – Entry Level Skill Development**

Grade: 12 Credits: 2.5 Full Year Course Fees: \$10 per semester

*Additional Tuition Required for Dual Credit

Prerequisites: ECHO 1, pass the CNA test, 2.5 GPA, 83 or above on the reading section of the COMPASS test and instructor approval. Credit in Introduction to Health Occupations 1 and 2. Students must provide their own transportation to the internship site.

Course Description: ECHO 2 is composed of two parts each of which is one semester in length.

Medical Terminology: Students learn how to identify medical terms by analyzing their components. This course emphasizes defining medical prefixes, root words, suffixes and abbreviations. Class work also includes the application of the terminology to medical case studies. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions.

Trinity Health Academy: This course is held at Trinity College of Nursing and Health Care. It includes class instruction and clinical observation. During class instruction the student is introduced to various careers within the health setting and the skills necessary for employment in a health care center. Clinical observations are scheduled in areas that reflect all the health care pathways—therapeutic, diagnostic, health informatics, support services and biotechnology research. *Dual credit available; ask your counselor for details.

ACC FIRE SCIENCE / FIRE FIGHTING 1 (597V) (FIRE FIGHTING 1)

Grades: 11 / 12 Credits: 2.5 Full Year Course Fees: \$10 per semester

Prerequisites: None.

Course Description: This course is designed to provide students with the skills needed to prevent and extinguish fires, maintain and repair fire-service-related equipment, provide basic emergency medical treatment and prepare public service information concerning fires and hazardous materials. Instruction includes the physical characteristics of fire as well as general safety practices, basic fire behavior and extinguishing principles. Students learn rescue and extrication procedures, types and use of ground ladders, proper ventilation techniques, appropriate use of various water supply systems, and how to use ropes and tie knots. Students also learn basic emergency medical techniques and practices which include basic patient assessment and basic emergency treatment.

ACC EMERGENCY RESPONDER / FIRE FIGHTING 2 (598V) (ER / FIRE FIGHTING 2)

Grade: 12 Credits: 2.5 Full Year Course Fees: \$10 per semester

Prerequisites: Successful completion of ACC Fire Science/Fire Fighting 1 and instructor recommendation.

Course Description: Emergency Responder courses place a special emphasis on the knowledge and skills needed in medical emergencies. Topics typically include clearing airway obstructions, controlling bleeding, bandaging, methods for lifting and transporting injured persons, simple spinal immobilization, infection control, stabilizing fractures and responding to cardiac arrest. The courses may also cover the legal and ethical responsibilities involved in dealing with medical emergencies. Fire Fighting 2 is a two-year program that introduces students to the fire science and fire-fighting career. Fire Fighting 2 builds on the concepts and skills introduced in Fire Fighting 1. Instruction is provided in the use of fire hoses, controlling property loss along with fire control techniques, detection systems and prevention practices. Instruction includes communication procedures, procedures for operating emergency vehicles, maintaining fire-related equipment and vehicles, and security and protecting evidence. Students may learn procedures for treating poisonings and allergic reactions, environmental emergencies and hazardous waste removal as well as how to treat soft tissue, musculoskeletal, and head and spine injuries. 20

ACC GRAPHIC ARTS 1 (564V) GRAPHIC COMMUNICATIONS 1)

Grades: 11 / 12 Credits: 2.5 Full Year Course Fees: \$5 per semester

Prerequisites: None.

Course Description: Graphic Communications 1 provides learning experiences common to all graphic communications occupations. Instruction will include use of color, balance and proportion in design; three –dimensional visualization; sketching; design procedures; layout; selection of type styles; selection of appropriate drawing tools and media; and the use of the computer as a communication tool. Software covered will be Adobe Photoshop, Illustrator, and InDesign including photography and how it ties into graphic arts. Students will also learn the processes of Screen Printing and vinyl cutting/preparation. Planned learning activities will allow students to become knowledgeable of fundamental principles and methods and to develop technical skills related to the graphic arts industry.

ACC GRAPHIC ARTS 2 (565V) (GRAPHIC COMMUNICATIONS 2)

Grade: 12 Credits: 2.5 Full Year Course Fees: \$5 per semester

Prerequisites: Credit in ACC Graphic Arts 1.

Course Description: This is a two-year program that introduces students to the graphic arts/printing industry. Graphic Communications 2 provides learning experiences related to the tools, materials, processes and practices utilized in the printing industry. Instruction is provided in industrial safety; stencil preparation and duplication equipment operation; print screen preparation and printing; machine typesetting; ink and color preparation, separation, and binding; use of cameras, photo composition and photographic equipment; and vinyl cutting. Continued emphasis is placed on the use of technology in Graphic Communications including design and camera software.

***ACC LAW AND PUBLIC SAFETY 1 (582V) (LAW ENFORCEMENT 1)**

Grades: 11 / 12 Credits: 2.5 Full Year Course Fees: \$5 per semester
*Additional Tuition Required for Dual Credit

Prerequisites: Juniors who are interested in law and law enforcement.

Course Description: This course is designed to prepare students to enter the fields of law enforcement and the criminal justice system. Instruction includes the history of law enforcement and the legal system, report writing and recordkeeping, criminal investigation techniques, and routine police procedures. Students learn how to use communications and dispatch equipment, perform proper search and seizure techniques, conduct basic criminal investigations, and execute correct pursuit and arrest procedures. Instruction also includes patrolling techniques, private security operations, traffic investigations, and community relations.

*Dual credit available; ask your counselor for details.

***ACC LAW AND PUBLIC SAFETY 2 (583V) (LAW ENFORCEMENT 2)**

Grade: 12 Credits: 2.5 Full Year Course Fees: \$5 per semester
*Additional Tuition Required for Dual Credit

Prerequisites: Credit in ACC Law and Public Safety 1.

Course Description: This course provides experiences for students in basic investigative techniques for crimes against people and property. Learning activities emphasize the development of more advanced knowledge and skill than those provided in Law Enforcement 1. Units of instruction include how to conduct a preliminary investigation and protect a 21 Crime scene, collect and preserve physical evidence including dusting latent prints, casting, Fingerprint classification, and the use of portable crime laboratory equipment. Students learn how to conduct interviews, complete police reports, use police equipment, and testify in court. Instruction also includes traffic control, personal security, and law enforcement administration.

*Dual credit available; ask your counselor for details.

ACC MANUFACTURING TECHNOLOGY 1 (573V) (PRECISION METAL PRODUCTION 1)

Grade: 11 Credits: 2.5 Full Year Course Fees: \$5 per semester
\$3 safety glasses

Prerequisites: Selection by Screening Committee.

Course Description: This course offers a planned sequence of learning experiences which provide students with the opportunities to develop competencies needed for employment in a variety of manufacturing -related occupations. This course introduces students to the skills common to many occupations, such as applying safety practices, selecting materials, performing bench work operations, performing precision measurement, performing layouts, performing housekeeping and recordkeeping activities, and operating a variety of tools used for separating, forming, and combining materials.

ACC MANUFACTURING TECHNOLOGY 2 (574V) (PRECISION METAL PRODUCTION 2)

Grade: 12

Credits 2.5

Full Year

Course Fees: \$5 per semester
\$3 safety glasses

Prerequisites: Credit in ACC Manufacturing Technology 1.

Course Description: This is an innovative program in which students experience manufacturing processes first-hand. Most training will be conducted on site at the John Deere Harvester Works East Moline plant. Students will receive training from experienced precision metal workers on current production machines and equipment. John Deere employees will lead these students through a wide variety of educational experiences in order to teach technical skills as well as general employability skills. Management personnel conduct training seminars in such areas as teamwork and problem solving. Candidates for this program must have a proven history of good attendance. Applicants are selected through an interview process with John Deere Harvester Works staff. This course is a continuation of Precision Metal Production 1 and builds on the skills introduced in that course. This course begins to offer students the opportunity to specialize in specific areas of manufacturing such as machine tool set -up and operation, welding, quality control, automated machine set -up and operation, and sheet metal fabrication. Course content includes the following areas: metallurgy and heat treatment of metal, advanced machine set -up and operation, numerical control/computer, numerical control machining, performing supervisory functions and installation, and maintenance and repair of machinery.

ACC WEB PAGE DESIGN 2 (577V) (WEB PAGE & INTERACTIVE MEDIA DEVELOPMENT 2)

Grades: 11 / 12

Credits: 2.5

Full Year

Course Fees: \$6 per semester

Prerequisites: Successful completion of Web Page Design or equivalent course offered by participating school districts.

Course Description: Web Page Design and Interactive Media Development 2 is a skill-level course for students who have completed Web Page Design and Interactive Media Development 1. Instruction will include using multimedia authoring applications and programming tools such as JavaScript to create a web site that combines text, hyperlinks, images, video, and sound. Instruction will include using hardware and software to capture, edit, create, and compress audio and video clips as well as create animated text, graphics, and images. Other topics will include using tables to align images with text, creating newspaper -style columns, and inserting side menus and call-outs. Students will learn how to use templates, cascading style sheets and interactive elements to enhance web pages. Students will learn to create dynamic forms that include multiple-choice questions, comment boxes, and buttons. Students will learn how to connect to a database and retrieve and write data. Students are encouraged to develop a portfolio project that demonstrates their expertise in areas such as multimedia authoring, web development, audio and video editing, and advanced JavaScript applications to create interactive web pages.

***ACC WELDING 1 (570V) (WELDING TECHNOLOGY 1)**

Grades: 11 / 12 Credits 2.5 Full Year Course Fees: \$10 per semester
\$3 safety glasses
\$7 gloves
\$65 welding jacket

*Additional Tuition Required for Dual Credit

Prerequisites: None. Students are expected to provide appropriate work clothes but they are not required to purchase specific items of clothing.

Course Description: This course assists students in gaining the knowledge and developing the basic skills needed to be successful in welding technology. Units of instruction include arc and MIG welding, metallurgy, cutting metal using arc, plasma, and oxy-gas. In addition, students learn the basics of blueprint reading, precision measuring, layout, and production process planning. Students will progress from arc (stick) welding to MIG welding.

*Dual credit available; ask your counselor for details.

***ACC WELDING 2 (571V) (WELDING TECHNOLOGY 2)**

Grade: 12 Credits: 2.5 Full Year Course Fees: \$10 per semester
\$3 safety glasses
\$7 gloves
\$65 welding jacket

*Additional Tuition Required for Dual Credit

Prerequisites: Credit in ACC Welding 1. Students are expected to provide appropriate work clothes but they are not required to purchase specific items of clothing.

Course Description: This course builds on the skills and concepts introduced in Welding Technology 1 and provides more in-depth skill development in various types of welding including horizontal, vertical, overhead, and circular techniques. Students also explore the use of robotic and automated production welding. Students will progress from arc (stick) welding to MIG to oxyacetylene to TIG for stainless steel and aluminum welding in all positions.

*Dual credit available; ask your counselor for details.

ACC WOODWORKING TRADES 1 (548V) (CABINETMAKING & MILLWORK 1)

Grades: 11 / 12 Credits: 2.5 Full Year Course Fees: \$15 per semester
\$3 safety glasses

Prerequisites: None.

Course Description: This course introduces students to the basic design and fabrication of residential cabinetry and custom furniture. The course also exposes students to the millwork and millwright industry. Instruction includes safety practices in using hand tools and power equipment.

ACC WOODWORKING TRADES 2 (549V) (CABINETMAKING & MILLWORK 2)

Grade: 12

Credits: 2.5

Full Year

Course Fees: \$15 per semester

\$3 safety glasses

Material costs for individual projects

Prerequisites: Successful completion of ACC Woodworking Trades 1.

Course Description: This course provides learning experiences related to the erection, installation, and maintenance of commercial and residential cabinetry, and the repair and maintenance of stationary woodworking machinery. Planned learning activities emphasize the development of more advanced knowledge and skills than those provided in Cabinetmaking and Millwork 1. This course provides the student with the knowledge and skills necessary to perform basic cabinetry construction and how it relates to the manufacturing process. In addition, more advanced woodworking machine maintenance skills are introduced.

STUDENT INFORMATION
Frequently Asked Questions (FAQ's)

1. **Where is the Area Career Center located?**
The Area Career Center is located at United Township High School in East Moline, Illinois.
2. **Who may attend the Area Career Center?**
Any junior or senior who attends a participating school is eligible to attend the Area Career Center. Participating schools include;
Alleman Riverdale
AlWood Rock Island
Geneseo Rockridge
Moline Sherrard
Orion United Township
3. **If a student is interested in attending the Area Career Center or wants to know more about the ACC, what should he or she do?**
The student should contact their counselor at their home high school and fill out an Area Career Center application.
4. **When will classes start and how long will they last?**
Most outlying students attend class at the Area Career Center in the afternoon from approximately 1:20 to 3:00 p.m. There are some exceptions. Please see your counselor or contact the Area Career Center for the exact times.
5. **How will a student travel to and from the Area Career Center?**
In most cases, the student will travel to the Area Career Center by school bus provided by the home school. The student's home school will decide if other types of transportation arrangements are permissible.
6. **How will a student earn graduation credit while attending the Area Career Center?**
A student will earn two and a half credits per year in most courses at the Area Career Center. The Area Career Center will certify to the student's home school how many credits that student has earned. The home high school will use those credits as part of his/her graduation requirements.
7. **Which school calendar do I follow, the Area Career Center's or my home school's?**
Students are expected to attend Area Career Center classes whenever they are in session. Because not all school calendars are the same, throughout the school year there will be days when students may attend the ACC and not their home school or vice versa.
8. **How will I benefit by attending the Area Career Center?**
The Area Career Center offers many courses/programs not normally taught at the individual's participating high school. The Area Career Center offers instruction in very well equipped labs by instructors who are experts in their area. In addition the Area Career Center has a number of programs that take place off campus with its business partners.

Call or visit the Area Career Center
1275 Avenue of the Cities, East Moline, IL 61244
(309) 752-1691