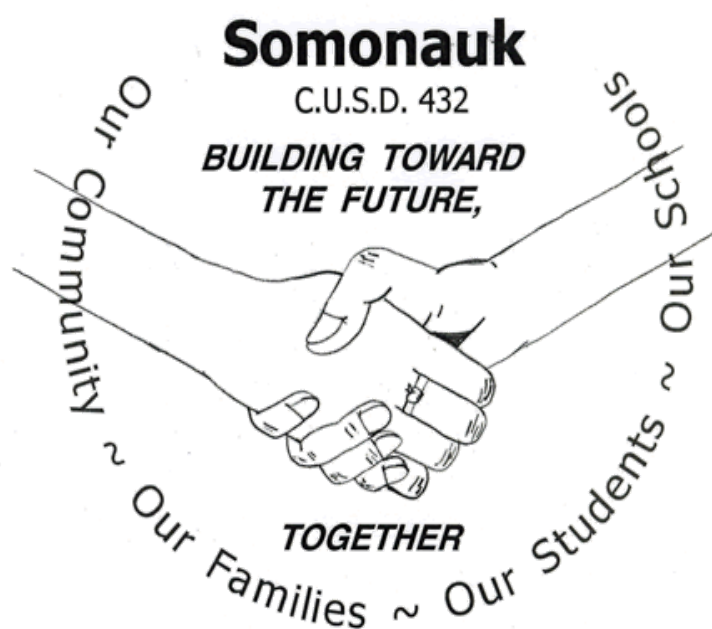


2020-2021 Course Description Guide



Somonauk High School

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(Updated - November 18, 2019)

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Somonauk High School Counseling Department

Working within the mission statement of Somonauk Schools District #432, the Somonauk Counseling Department exists to assist and challenge every student to attain academic, career and social-emotional skills that will serve and support them in their post-secondary lives. The department is committed to working with students and parents to create and implement a four year academic plan that will prepare students for post-secondary and career opportunities. Parents and students are strongly encouraged to work closely with the school counselor throughout the student's high school career to make decisions that will support the student's short and long term goals.

Students

As you create your four year academic plan you are encouraged to read the Course Description Guide (CDG) carefully, being aware of the course selection process, the add/drop procedures and limitations, and the prerequisites for your desired courses. The value of a four year plan is only the amount of thought that goes into creating and updating it. Please keep in mind your short term high school goals, desired courses and long term post-secondary goals. As you make your course selections please consider:

- What courses do I need to graduate?
- Have I taken/scheduled the prerequisites for my desired courses?
- What are my interests? Strengths? Weaknesses?
- What electives am I interested in?
- What career paths am I considering?
- If I would like the option of attending college after high school what are the admissions requirements?

Parents

The faculty and counselor at Somonauk High School are invested in helping students succeed. We encourage all students to take advantage of the opportunities available through SHS for post-secondary preparation and enrichment. High School is the time for academic preparation and career exploration, utilize the school counselor to help you and your student become aware of academic and personal abilities as they relate to possible career choices and post-secondary plans. We are happy to be a resource to you and your student as you move through the high school and career decision-making experiences.

Course Selection

When reading the CDG, please note course sequencing and prerequisites. Any student who fails a semester of a required course will be required to re-take that semester of that course.

Registration Procedures

This Course Description Guide contains class content information and graduation requirements for each graduating class and each academic discipline offered at SHS. Second semester of the current school year each student, 8th grade through 11th grade, will meet with the school counselor to review the four year plan and create a course selection list for the upcoming year. Generally, class schedules are distributed in May for the following school year. **ALL CLASS SELECTION CHANGES MUST BE MADE BEFORE THE END OF THE SCHOOL YEAR FOR THE UPCOMING SCHOOL YEAR.** Any class selections that are not changed by the end of the school year will be upheld for the upcoming school year.

Add/Drop Procedures

Course selections and alternates for the upcoming school year should be carefully considered during course selection in the spring semester of each year. Students will not be allowed to drop a course at the beginning of the school year or the beginning of the second semester. No year long (semester one and two) courses will be dropped at semester. All course selections are final at the end of the previous school year. Only reasons for change will be one of the following approved criteria:

- Student fails a course and must re-take it
- Student fails a course and no longer meets the prerequisite for the scheduled course
- Course offerings change due to staffing or administrative changes
- A change due to attendance/non-attendance in summer school
- A change due to medical reasons
- A change due to faculty or counselor recommendation
- A change due to college admissions requirements

Repeating Courses

If a student fails a required course the student will re-take that course in the specific semester that it was failed. If a student chooses to complete a form of credit recovery (i.e. online, summer school, correspondence, etc), that plan must be approved by the school counselor or principal before registration. Students may repeat a failed elective course to earn credit toward graduation. Once credit is earned in a course, no matter the grade, the course cannot be retaken. Failed courses will remain on the transcript. Courses re-taken will show both the failed course and the re-taken course on the transcript. Both the original course and the retaken course will be factored into the student's GPA. A student who fails a required course needs to speak with the school counselor immediately.

Class Load Policy

All students will carry 7 courses per semester plus Advisory. Included each semester in these 7 courses will be a PE/Lifetime Fitness class or Health. The only students exempt from PE/Lifetime are those students in Health, enrolled at IVVC or a three sport athlete in their junior or senior year. Seniors wanting to take dual credit courses through Waubensee Community College (at the student's expense) will schedule for 4 SHS classes and 2-3 WCC courses.

Grading

Teachers assign letter grades based upon combining a student's daily work with his/her formative and summative assessment results. While grades are available daily, student report cards are available on TeacherEase in four nine-week grading periods. Two nine-week grading periods and semester exams are used to compute the semester grade. Only semester grades create/impact the grade point average. All students will take semester exams first and second semester. Exam exemptions can be earned by juniors, to be used during their senior year, by meeting or exceeding standards on state standardized tests.

<u>Grade</u>	<u>Percentage</u>	<u>GPA Value</u>	<u>Weighted GPA Value</u>
A	100-90	4	5
B	89-80	3	4
C	79-70	2	3
D	69-60	1	2
F	59 and below	0	0

Semester grades are computed based on the following criteria:

<u>Semester 1</u>		<u>Semester 2</u>	
Quarter 1	40%	Quarter 3	40%
Quarter 2	40%	Quarter 4	40%
Semester 1 Exam	20%	Semester 2 Exam	20%

Weighted Courses

Weighted courses earn an additional point toward grade point average. Weighted courses currently include:

AP Calculus	English III Honors
AP Statistics	AP Literature & Composition
Honors Pre-Calculus	AP US History
Honors Algebra II/Trigonometry	Advanced Chemistry
Advanced Geometry	AP Studio 2D Art

Grade Point Average/Class Rank

Grade Point Average (GPA) and class rank are computed at the end of each semester. The cumulative grade point average is used to determine placement in honors courses and eligibility for National Honor Society. The semester GPA is used to compute semester athletic eligibility. {Students must maintain a 2.0 semester grade point average to be eligible for the following semester's athletic events.}

Valedictorian/Salutatorian Awards and Honors

For students beginning with the class of 2015, the following policy will be used in determining valedictorian/salutatorian and graduating with distinction.

The designation of a valedictorian and salutatorian is intended by the Board of Education to encourage and recognize student achievement. In so doing, it is not the intent of the Board to create a property interest or right of entitlement to any particular recognition at any particular time.

The Board of Education recognizes the senior class member with a weighted cumulative GPA of 4.0 or above as graduating with Distinction.

Valedictorians, Salutatorians and graduates with honors shall be announced by the High School Principal after all grades have been posted and confirmed at the conclusion of the student(s) senior year (8 semesters).

The valedictorian(s) named shall be the senior class member with the highest weighted cumulative GPA. In the event of a tie there will be co-valedictorians named.

The salutatorian(s) named shall be the senior class member with the second highest weighted cumulative GPA. In the event of a tie, there will be co-salutatorians named.

To be eligible, a graduate with honors, a valedictorian or salutatorian candidate may not have been guilty of cheating or intentional dishonesty with regards to academics while a student at Somonauk High School. Behavior that would make a candidate ineligible for these honors includes, but is not limited to, turning in a paper that is not one's own work, cheating on a test or homework assignment, changing an earned grade on an assignment or in the computer, and/or completing an assignment for another student. Academic misconduct shall cause a student to be ineligible for all awards and accolades related to valedictorian and salutatorian including, but not limited to, graduation speeches, press releases, and program announcements.

Students transferring from a non-accredited program must have earned a minimum of fifteen (15) credits while attending classes at Somonauk High School to be considered eligible to be named the valedictorian or salutatorian.

Students approved for Early Graduation (3.5 years) are not eligible to be named valedictorian or salutatorian.

Board Policy 6:332 ADOPTED: December 19, 2011

Grade Classification

Students must earn **6.0 credits** to be considered a **sophomore**, **12.0 credits** to be considered a **junior** and **18.0 credits** to be considered a **senior**.

Physical Education Exemption

Students may exempt from PE/Lifetime Fitness only if they are currently enrolled for Health, a junior or senior participating in all three seasons of high school sports or a junior or senior enrolled at IVVC.

Driver Education

Home or private school students may enroll in the District's driver education program if they reside within the District's boundaries or attend a private school within the District. However, **no student shall be enrolled in driver education unless he or she received a passing grade in at least eight (8) courses during the previous two semesters. Freshman who plan to take driver education second semester may have no failing grades in order to remain enrolled in the class.** Verification of passing grades may be required before a student can enroll in driver education. A home or private school student who participates in the District's driver education program is subject to all policies, rules, and regulations applicable to other participants in the program, and is responsible for any and all fees assessed to program participants. All students, including freshman, will be admitted to driver education based on date of birth with the older student being enrolled first. If there is a scheduling conflict the student will be eligible to participate in the Early Permit Program (EPP). The EPP allows the student to get their driving permit through the state within 3 months of turning 15 in order to meet the 9 month permit requirement before the student turns 16. The student will then take Driver Education before they turn 16. All course fees must be paid at the time of class attendance or participation in EPP.

Testing at SHS

The testing program at Somonauk High School is currently based around student success on the SAT in the junior year. The state of Illinois requires students to take the SAT in order to be eligible for graduation from high school. Eighth grade through the junior year will take a grade level normed SAT in order to assess growth and determine course placement. These results will also be used to assess, adjust and grow curriculum. Individual subject tests may be administered for certain courses (ie. English III Honors, Math Methods). This path of testing allows students, parents and teachers the ability to monitor the skills and content knowledge of the students, focus on improving weaknesses, enhancing strengths and helping to ensure they are prepared for their post-secondary opportunities.

Edgenuity

Some credit recovery at Somonauk High School is done through the DeKalb County ROE program Edgenuity. The program is online and self-paced to offer the student the ability to complete as many credits as needed. Since Edgenuity is online the student can work on the course from home as well as utilizing available advisory time at school. Edgenuity is generally taken in addition to a full course load of seven high school classes in order to recover credit/earn additional credit toward graduation. Edgenuity grades are reported on the student's transcript and reflected in the GPA. Enrollment criteria for Edgenuity is set by the DeKalb County ROE. A

student not meeting enrollment criteria for Edgenuity will be given referral information for other credit recovery options at the cost of the family.

Indian Valley Vocational Center (IVVC)

Registration for IVVC classes takes place early second semester, generally in early March. Each student must complete the class request form and application as well as have it turned in on time. Acceptance into IVVC programs are based on the application, year in school (priority given to seniors taking the second year of a two year program then junior students requesting the first year of a two year program), prior attendance, and prior discipline issues. Students cannot attend IVVC if they are credit deficient, meaning they are behind in credits and may not be able to graduate on time. Students not immediately placed into an IVVC program will be put on a waiting list. Students who choose to drop an IVVC course after a specified date may incur a fee. Please see the school counselor with questions.

Articulated Credit

Articulated credit is a form of high school and college credit earned through an approved class at Somonauk High School or Indian Valley Vocational Center. Students must earn an A or B for both semesters in these courses. Articulated credit can be applied to their Waubensee Community College, Kishwaukee Community College or Joliet Junior College transcript (depending on the SHS or IVVC program attended) by paying the student fee for these courses. Students must take other courses at the junior college and cannot simply place the articulated credit on the junior college transcript with the intention of transferring it to another post-secondary institution.

Articulated credit enables students to save time and money, as well as avoid duplicating coursework. Articulation forms are sent from the SHS school counselor to the student the summer after their senior year. It is the student's responsibility to submit the form and payment to their chosen school. Articulated credit is specific between SHS/IVVC and the listed junior colleges. Articulated credit will not apply to other colleges or training facilities. An articulated credit form can be found in the back of this guide.

Concurrent and Transitional Credit

Somonauk High School, in partnership with Waubensee Community College, is offering a transitional math course. The courses are designed for students scoring below college entrance levels on the SAT and who would enter college requiring developmental courses prior to admittance into transfer level classes.

These courses will provide opportunities for students to complete coursework prior to graduation from high school thus reducing the amount of coursework at the community college level while saving students hundreds of dollars in tuition costs. Students enrolling and successfully completing the following high school courses could receive concurrent/transitional credit at WCC:

Somonauk High School Course
College Prep Math

College Math Equivalent (C or Higher)
General Education Statistics or
General Education Mathematics or
Quantitative Literacy or
Elementary Math Modeling

This course can serve as a prerequisite for a first college-level math course such as College Algebra. Although the course is not transfer level, any student attending WCC would receive acknowledgement of completion and could progress to the next course in the sequence. When the College Prep Math course is completed in high school, with a C or better, the student could enter WCC ready to enroll in college level/transfer level courses. This is a great opportunity to prepare more students to be college and career ready when students complete their high school education.

Dual Credit Policy/Coursework Outside SHS

Courses taken for both college and high school credit are called dual credit courses. These courses may be taken through local community colleges with the prior approval of the school counselor and high school principal. Courses taken during the school year used to replace SHS courses cannot be courses offered at SHS that the student has not previously taken through SHS. Dual credit courses can be used for enrichment or toward specific graduation requirements. College credits earned without prior approval from the school counselor and principal will not be used as dual credit courses. Dual credit courses will be shown on the high school transcript and will affect the student's GPA. At the end of each semester the student must provide documented proof of the college course grade to the school counselor. All tuition and fees associated with dual credit courses are the responsibility of the student and student's family.

School Board Policy #6:310

Students may earn no more than 6 units of credit from Correspondence Courses, Distance Learning Courses, including Virtual or Online Courses, College Courses, Summer School and Independent Study Courses that can be counted toward the requirements for a student's high school graduation.

Correspondence Courses and Distance Learning Courses including Virtual or Online Courses

A student enrolled in a correspondence course, distance learning course, including a virtual or online course (not including E20/20 or IVS), may receive high school credit for work completed, provided:

1. The course is offered by an institution approved by the Superintendent or designee;
2. The course is not offered at the student's high school;
3. The student assumes responsibility for all fees (including tuition and textbooks); and
4. The Building Principal approves the course in advance.

College Courses

A student who successfully completes community college courses may receive high school credit, provided:

1. The student is a junior or senior in good academic standing;
2. The course is not offered in the high school curriculum;
3. The course is approved in advance by the student's guidance counselor and the High School Principal; and
4. The student assumes responsibility for all fees.

Grades earned in approved distance learning courses count toward a student's grade point average, class rank, and eligibility for athletic and extra-curricular activities. The District may pay the fee for expelled students who are permitted to take virtual or online courses in alternative settings.

Summer School and Independent Study

A student will receive high school credit for successfully completing: (1) any course given by an institution accredited by the North Central Association of Colleges and Secondary Schools, and (2) independent study in a curriculum area not offered by the District, provided the student obtains the consent of a supervising teacher as well as the Building Principal.

Illinois Virtual School (IVS)

Illinois Virtual School (IVS) is an online academic opportunity for seniors at SHS to enrich their coursework. Courses are available in a variety of subjects, including AP courses. Classes are offered per semester and must be set up with the school counselor during scheduling the year prior. Availability is limited to five students per semester and priority is given to a student who needs the course for high school graduation or college admission. IVS courses are reported on the transcript and reflected in the student's GPA. IVS course fees are paid by the district within an allotted number of seats per semester. If a student elected to take an IVS course and the allotted number of seats had been met the student is welcome to self-pay the course. Most IVS courses are \$250 per semester.

Graduation Requirements

Please see the back of the CDG for the specific graduation requirements for your graduating class.

The School Board determines high school graduation requirements that will provide each student ample opportunity to achieve the goals for which the School District exists and that meet the minimum graduation requirements contained in State law. Unless otherwise exempted, each student must successfully accomplish the following in order to graduate from high school:

1. Complete all courses as provided in The School Code, 105 ILCS 5/27-22.
2. Complete all minimum requirements for graduation as specified by Illinois State Board of Education rule, 23 Ill.Admin.Code 1.440.
3. Complete all District course requirements.
4. Pass an examination on patriotism and principles of representative government, proper use of the flag, methods of voting, and the Pledge of Allegiance.
5. Take State required standardized testing, unless the student is exempt according to 105 ILCS 5/2-3.64.

Early Graduation, SHS Board Policy #6:300

The Superintendent or designee shall implement procedures for students to graduate early, provided they finish **seven** semesters of high school and meet all graduation requirements. Students who have extenuating circumstances may request early graduation to the Board of Education through the principal after six semesters. No more than three and a half credits from outside agencies including correspondence, virtual, online, summer school, college and independent study courses will be applied towards early graduation. Any student who meets these requirements must follow the subsequent procedure:

1. Meet with guidance counselor for credit evaluation.
2. Submit written request to principal to be considered for early graduation by August of senior year. This request should include written support from parent(s) and an indication from the counselor that verifies credit status.
3. Principal makes recommendation to Superintendent.

Permission for early graduation may be granted by the Board of Education upon recommendation of the Superintendent. Any student that graduates in less than four years will forfeit consideration for any senior awards and local scholarships (including valedictorian/salutatorian) except earned scholastic honors.

Common College Admissions Requirements

4 years of English

3-4 years of math

3 years of lab science

3 years of social science

*possible foreign language or fine arts/elective requirements

NCAA Freshman Eligibility Standards

NCAA Division I and II Core Course Rules are below. This rule applies to any student first entering any Division I or II athletics. See the chart below for course information. Please be sure to visit www.eligibilitycenter.org or www.ncaa.org for details. *To view Full Qualifier and Academic Redshirt sliding scales go to http://fs.ncaa.org/Docs/eligibility_center/Quick_Reference_Sheet.pdf

Division I 16 Core Course Rule
4 years of English 3 years of math (Algebra I or higher) 2 years of Natural/Physical science (1 year of lab work) 2 years of social science 4 years of additional courses (from any of the areas above and/or foreign language) 1 year of additional English, math or natural/physical science

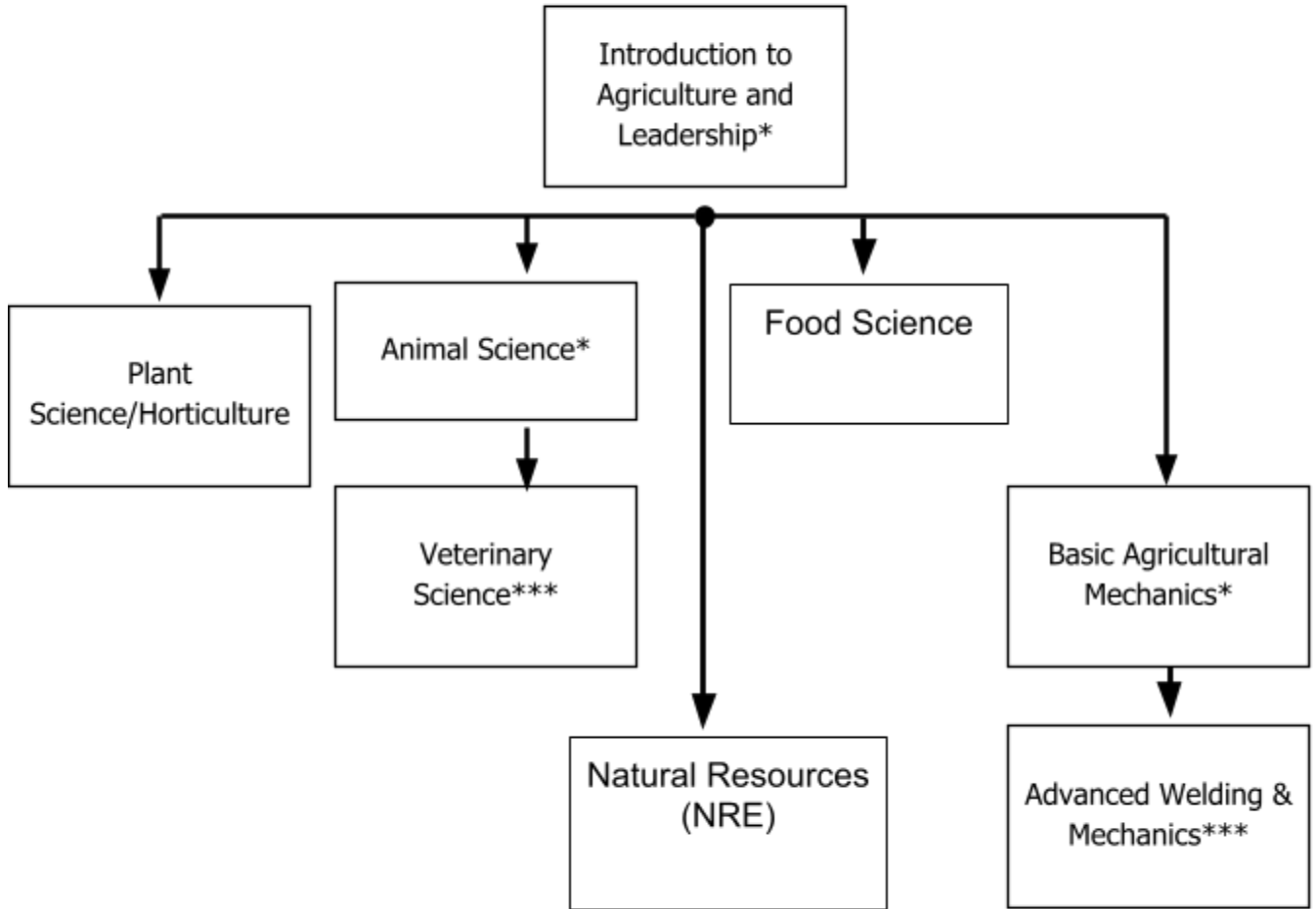
Division II 16 Core Course Rule
3 years of English 2 years of math (Algebra I or higher) 2 years of Natural/Physical science (1 year of lab work) 3 years of additional math, English, or natural/physical science 2 years of social science 4 years of additional courses (from any of the areas above or foreign language)

New Division I Requirements starting with the Class of 2016

Full Qualifier	Academic Redshirt	Nonqualifier
Complete 16 Core Courses: <ul style="list-style-type: none"> • 10 of 16 core courses must be complete before the 7th semester (senior year) of high school • 7 of the 10 courses must be in English, Math, or Science 	Complete 16 core courses	Does not meet requirements for Full Qualifier or Academic Redshirt status.
Minimum Core-Course GPA of 2.3	Minimum Core-Course GPA of 2.0	
Meet the Competition sliding scale requirements of GPA and ACT/SAT score.*	Meet the Academic Redshirt sliding scale requirements of GPA and ACT/SAT score.*	
Graduate from high school	Graduate from high school	

Agricultural Education Course Sequence

Agricultural Education Course Rotation Schedule



Fall Even Years (2020-2021)	Fall Even Years (2020-2021)
Introduction to Agriculture and Leadership	Introduction to Agriculture and Leadership
Animal Science	Animal Science
Plant Science & Horticulture	Plant Science & Horticulture
Food Science	Food Science
Introduction to Ag Mechanics	Introduction to Ag Mechanics
Advanced Ag Mechanics	Advanced Ag Mechanics
Natural Resources & Environmental Science	Natural Resources & Environmental Science
Veterinary Science	Veterinary Science

Agricultural Education Course Descriptions

Introduction to Agriculture and Leadership

Offered yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 9, 10, 11, 12

Fee: No

Prerequisite: None

Course Description: This orientation course provides an opportunity for students to learn the fundamentals of the agriculture industry. Students will learn how agriculture is more than farming; and can expect to learn industry facts, parliamentary procedure, speech skills, animal, plant and food science, basic mechanics skills, business and recordkeeping skills, and FFA. 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.

Animal Science

Offered yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 10, 11, 12

Fee: No

Prerequisite(s): Introduction to Agriculture and Leadership or consent of the instructor

Course Description: This hands on agricultural science course builds on basic skills and knowledge gained in the Introduction to the Agricultural & Leadership course. Major units of instruction include animal reproduction, animal nutrition, basic anatomy & physiology, and meat science. 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.

Veterinary Science

Offered 2019-20

Credit(s): 1 credit = 2 semesters

Grade(s): 11, 12

Fee: No

Prerequisite(s): Animal and Plant Science

Course Description: This course will develop students' understanding of the small and companion animal industry, animal anatomy and physiology, advanced animal nutrition and reproduction, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Career exploration will focus on veterinarian, veterinary lab technicians, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technician. Students will participate in activities such as animal bandaging, specimen dissection, animal handling and animal restraint (for veterinary purposes). This course has the opportunity to bring in your animal for participation as well. 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.

Natural Resources & Environmental Science

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 10, 11, 12

Fee: No

Prerequisite(s): Introduction to Agriculture

Course Description: This course will explore the many topics within our natural resources, including forestry, fisheries, soil conservation, sustainability and geospatial technology. This course is laboratory based and rooted in inquiry based learning.

Food Science

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 10, 11, 12

Fee: No

Prerequisite(s): Introduction to Agriculture or consent of the instructor (2015-16 only)

Course Description: This course will explore the science of food, food safety, production and processing, and food science in your future. Students will have the opportunity to learn about the science behind their food while performing in a primarily lab based course. Activities of this course include baking, cooking, developing recipes, taste testing and sensory evaluation, and more. Students should be prepared to work both independently and in groups. The course culminates in the development of a food product. 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.

Plant Science & Horticulture

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 10, 11, 12

Fee: No

Prerequisite(s): Introduction to Agriculture

Course Description: This course is designed to reinforce and extend students understanding of plant science and introduce horticulture. In the first semester of the year the topics of study include initiating plant growth - germination, plant sensory mechanisms, enzyme action, absorption and managing plant growth - photosynthesis, respiration, translocation, metabolism, and growth regulation. During the second semester, students will be involved in the production, processing and marketing of plants for ornamental, aesthetic and recreational use. Horticulture enterprises to be explored include: floriculture, landscaping, nursery operations, and turf management. 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. This course would be an excellent one for students with an interest in biological science, plants and/or art.

Agricultural Mechanics

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 10, 11, 12

Fee: No

Prerequisite(s): Introduction to Agriculture & Leadership

Course Description: 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, cold metal work, and operating agricultural equipment safely.

Advanced Agricultural Mechanics

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 11, 12

Fee: No

Prerequisite(s): Introduction to Agriculture & Leadership

Course Description: This course focuses on the knowledge, hands-on skills, and work place skills applicable to construction in the agricultural industry. Major units of instruction include: personal safety, hand tools, power tools, blue print reading, surveying, construction skills in carpentry, electricity, concrete, and painting. 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.

Supervised Agricultural Experience I

Offered Yearly

Credit(s): 1/2 credit = 2 semesters

Grade(s): 9, 10, 11, 12

Fee: No

Prerequisite(s): Introduction to the Agriculture and Leadership

Course Description: This experience program is for students in the 9th and 10th grades. This course is not a classroom course, but rather an independent project students complete outside of regular classroom hours. Individual students will have a minimum of one approved project or acceptable plans for a project. Supervised study, project record bookwork, training plans and agreements, report writing, and instructor project visitation and supervision are essentials of the supervised agricultural experience. Students may be concurrently enrolled in a classroom course.

Supervised Agricultural Experience II

Offered yearly

Credit(s): 1/2 credit = 2 semesters

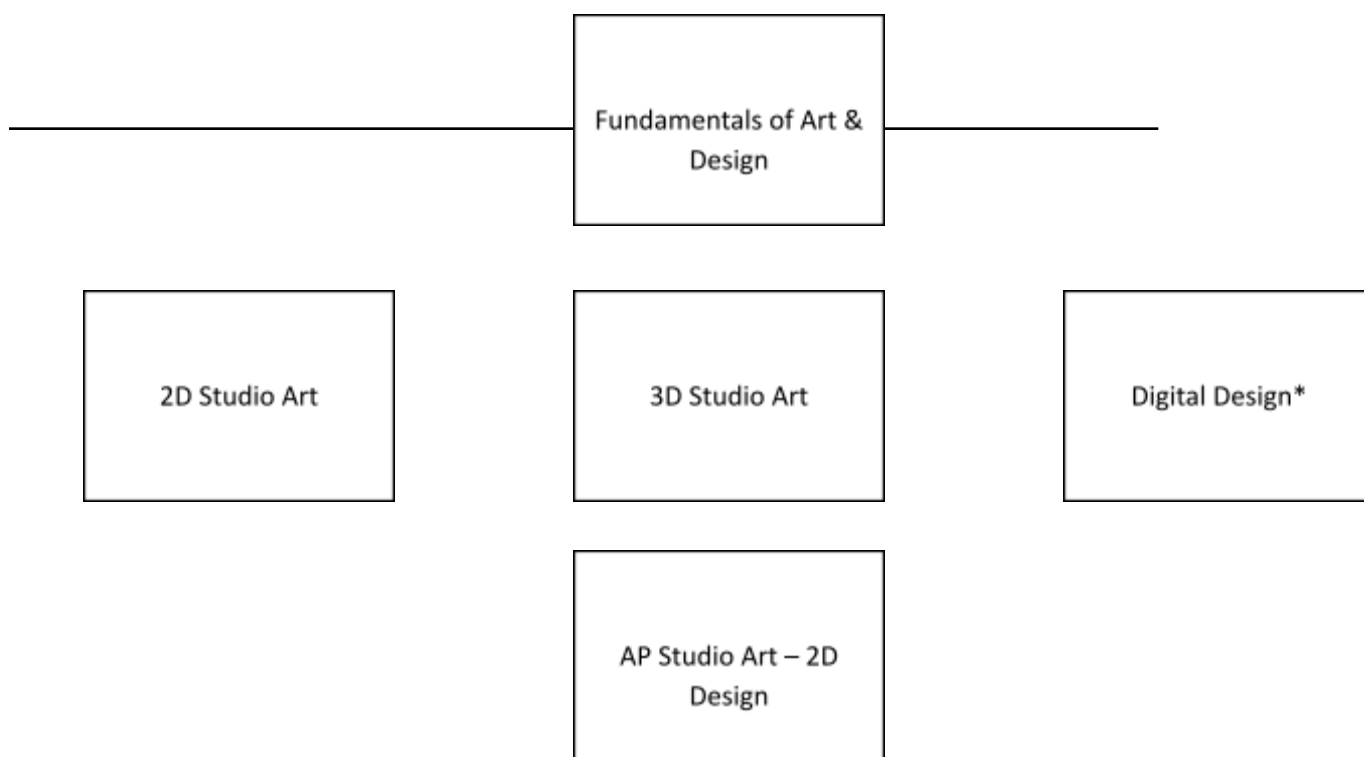
Grade(s): 11, 12

Fee: No

Prerequisite(s): Introduction to the Agriculture and Leadership

Course Description: This experience program is for 11th and 12th grade agricultural students. This course is not a classroom course, but rather an independent project students complete outside of regular classroom hours. Individual students will have a minimum of one approved project or acceptable plans for a project. Supervised study, project record bookwork, training plans and agreements, report writing, and instructor project visitation and supervision are essentials of the supervised agricultural experience. Students may be concurrently enrolled in a classroom course.

Art Course Sequence



Art Course Descriptions

Fundamentals of Art & Design

Offered yearly

Credit(s): 1/2 credit = 1 semester

Grade(s): 9, 10, 11, 12

Fee: Yes

Prerequisite(s): none

Course Description: This is a semester course that introduces students to the elements of art and principles of design while developing drawing skills and painting techniques. Studio experiences in the classroom will give students opportunities to experience a variety of media (pencil, pen, ink, charcoal, pastel, watercolor, and tempura paint) while developing their individual style and creative problem-solving skills. Students will demonstrate their ability to respond, to analyze and to interpret their own artwork and the work of others through discussion, critiques and writings.

2D Studio Art

Offered yearly

Credit(s): 1/2 credit = 1 semester

Grade(s): 10, 11, 12

Fee: Yes

Prerequisite(s): Fundamentals of Art & Design

Course Description: A semester long course, 2D Studio Art has an emphasis on creative problem-solving and art production. Students will reinforce their foundation knowledge from Fundamentals of Art & Design while exploring new media skills and techniques in 2-dimensional art. Students will study traditional and modern themes in 2-dimensional art. Mixed media techniques will also be explored. Various artists and art movements will be examined as a point of

departure and inspiration. Procedures may include drawing, painting and/or printmaking. Students will expand on their ability to respond, analyze and interpret their own artwork and the work of others through discussion, critiques and writings.

Materials Used:

Drawing: pencils, erasers, paper, sketchbooks, technical pens, charcoal, pastels and various drawing tools

Painting: watercolor, acrylic paint, brushes, canvas, paper and various painting tools

Printmaking: relief carving plates, printer's ink, paper and various printmaking tools

3D Studio Art

Offered yearly

Credit(s): 1/2 credit = 1 semester

Grade(s): 9, 10, 11, 12

Fee: Yes

Prerequisite(s): Fundamentals of Art & Design

Course Description: Studio Art 3D is semester-long course with emphasis on creative problem solving and art production. Students will reinforce their foundation knowledge from the Fundamentals of Art & Design course while exploring new media skills and techniques in 3-dimensional media. A number of sculptural processes such as fabrication, subtractive, and additive techniques will be developed through the use of, but not limited to, ceramics, plaster, wire, paper mache, and recycled and/or found materials. Students will expand on their ability to respond, to analyze and to interpret their own artwork and the work of others through discussions, critiques, and writings.

Materials Used:

Ceramics (clay, glaze, various ceramics tools, and kiln access)

Miscellaneous (sketchbooks, plaster wrap, wire, paper mache paste, recyclable objects)

Digital Design* technology 1/2 credit

Offered yearly

Credit(s): 1/2 credit = 1 semester

Grade(s): 9, 10, 11, 12

Fee: Yes

Prerequisite(s): Fundamentals of Art & Design

Course Description: Digital Arts is a broad, hands on survey of computer-based art production. Class projects are designed to immerse the student in the dynamic field of computer arts. Students will use the computer as a creative tool and incorporate digital media in their process and delivery format. Projects may include digital photography, mixed-media, illustration, animation, digital video and sound editing. Students will learn to create works using various software, scanners, and digital cameras. Students are encouraged to develop their own solutions and approaches to a wide variety of assignments. Students will expand on their ability to respond, to analyze and to interpret their own artwork and the work of others through discussions, critiques, and writings.

AP Studio Art – 2D Design

Offered yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 11, 12

Fee: Yes

Prerequisite(s): A variety of art courses in grades 9-11 and consent of instructor.

Course Description: AP Studio Art is for highly motivated students who are seriously interested in the study of art; the program demands significant commitment. The emphasis is on critical analysis and innovative art-making processes and products. Group and individual critiques enable students to learn to analyze their own work and their peers' work. Students will be required to produce a portfolio addressing three major concerns that are constants in the teaching of art: (1) the student's ability to recognize quality in her or his work; (2) the student's concentration on a sustained

investigation of a particular visual interest or problem; and (3) a range of approaches to the formal, technical and expressive means of the artist. AP work should reflect these three areas of concern: quality (selected works), concentration (sustained investigation) and breadth (range of approaches).

<http://media.collegeboard.com/digitalServices/pdf/ap/ap-studio-arts-course-description.pdf>

Business Course Descriptions

Introduction to Business

Offered Yearly

Credit(s): 1/2 credit = 1 semester

Grade(s): 9, 10, 11, 12

Fee: No

Prerequisite(s): none

Course Description: This orientation-level course will provide an overview of all aspects of business marketing and management, including the concepts, functions, and skills required for meeting the challenges of operating a business in a global economy. Topics covered will include the various forms of business ownership, including entrepreneurship, as well as the basic functional areas of business (finance, management, marketing, administration and production). Students will be introduced to a wide range of careers in fields such as accounting, financial services, information technology, marketing, and management. Emphasis will be placed on using the computer while studying applications in these careers along with communication skills (thinking, listening, composing, revising, editing, and speaking), math and problem-solving. Business ethics as well as other workplace skills will be taught and integrated within this course. This course is not intended to meet the consumer education requirement, but rather to provide preparation for the skill level courses that make up the Business, Marketing and Management occupations programs.

Accounting

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 10, 11, 12

Fee: No

Prerequisite(s): none

Course Description: This course is designed to help the college bound business student, the vocational student and the student who would like an accounting background for personal use. Course content includes: understanding business terminology; ability to interpret and analyze business papers and records; and preparing financial statements, business papers and forms necessary in the accounting cycle. Practical practice sets may be used to emphasize actual business record management. Career objectives, occupational groups, and employment opportunities will be discussed.

Accounting II

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 11, 12

Fee: No

Prerequisite(s): Accounting I

Course Description: Accounting II is a course that builds upon the foundation established in Accounting I. This course is planned to help students to develop deeper knowledge of the principles of accounting with more emphasis being placed on financial statements and accounting records. It is a study of previously learned principles as they apply to the more complicated types of business organizations: partnerships, corporations, branches, etc. The students may become

familiar with such specialized fields of accounting as cost accounting, tax accounting, payroll accounting, and others. Some students may choose to do specialized accounting computer applications, and others may elect payroll clerk, data processing computer applications. Simulated business conditions may be provided through the use of practice sets. Skills are developed in the entry, retrieval, and statistical analysis of business data using computers for accounting business applications.

Business Law**Offered Yearly****Credit(s): 1/2 credit = 1 semester****Grade(s): 11, 12****Fee: No****Prerequisite(s): none**

Course Description: This course is designed to give the most up-to-date coverage of traditional business law topics. The students who take this course have needs far different from law students. Therefore, this course stresses legal principles essential to everyday life. The topics covered are: understanding the “why” and “what” of law; understanding special laws; making binding agreements; contracts, credit, sales contracts, laws for minors, laws for the business firm, proper contractual form; and understanding business organization. Each student will have the opportunity to participate in a mock trial. This helps to reinforce the concepts learned in the classroom.

Sports Marketing**Offered Yearly****Credit(s): 1/2 credit = 1 semester****Grade(s): 11, 12****Fee: No****Prerequisite(s): none**

Course Description: This course is designed to teach the students, logically and systematically, the world of marketing. The topics covered are: careers in marketing, consumer decision-making process, packaging and labeling products, elements of pricing, channels of distribution, retailing, transportation of goods, advertising, public relations, and principles of selling all within the context of the world of sports.

Virtual Enterprises (VE)**Offered Yearly****Credit(s): 1 credit = 2 semesters****Grade(s): 11, 12****Fee: No**

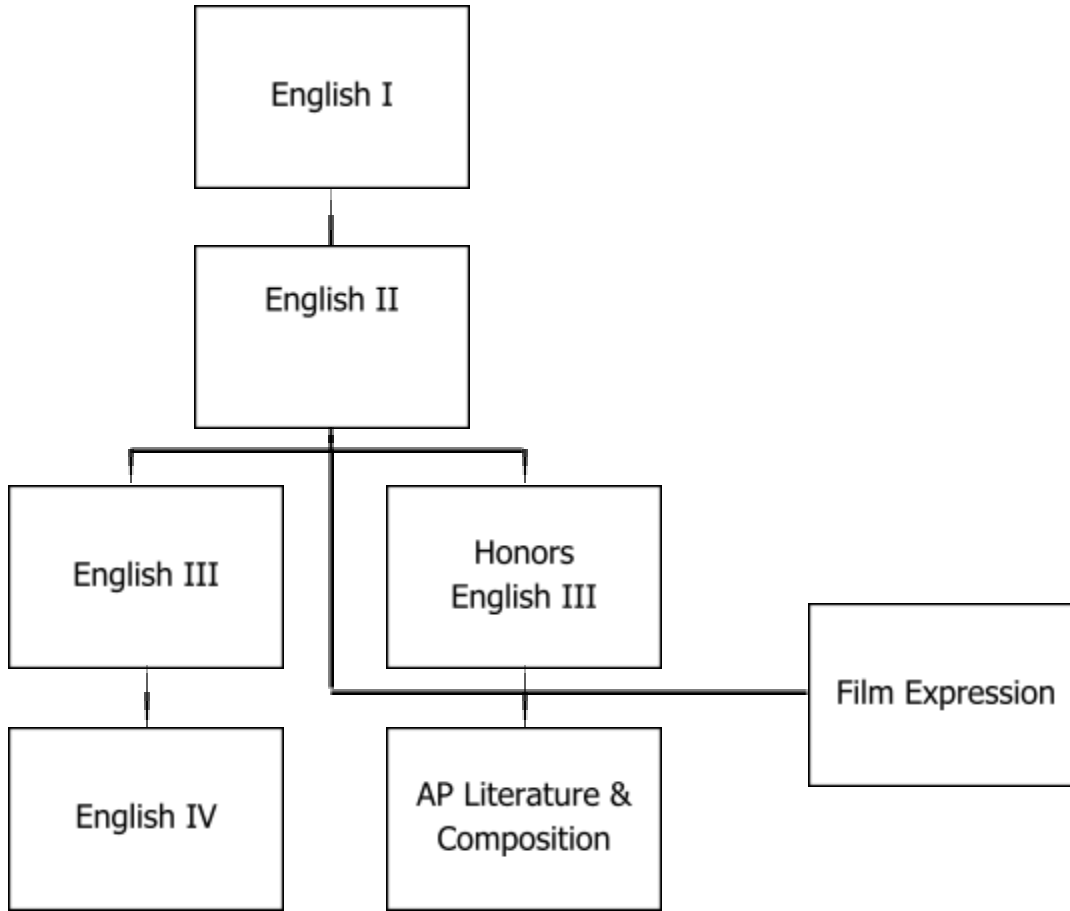
Prerequisite(s): *Students who have taken both Intro to Business AND Accounting will be given the first opportunity to join this class. If there is still availability, students who have had either Intro to Business OR Accounting will then be granted access to enroll. Students who enroll in the class will go through an interview process in order to determine their job within the business.*

Course Description: With an emphasis on college and career readiness, VE is an in-school, live, global business simulation that offers students a competitive edge through project-based, collaborative learning and the development of 21st-century skills in entrepreneurship, global business, problem solving, communication, personal finance and technology.

As “employees” of the virtual business, students are accountable for its performance. They conduct market research, work cooperatively to develop and write a business plan, design and implement an e-commerce

website, pay wages and taxes, maintain 401(k) plans, and develop an annual report at the end of the year. Through all of these activities, VE students learn professionalism, business acumen, corporate knowledge, presentation skills, and teamwork. And through their business and trade across industries, borders, and cultures, students develop hands-on knowledge of the expectations of both the workplace and the global economy.

English Course Sequence



English Course Descriptions

PLEASE NOTE: Students who fail a year or semester of English will re-take the failed English course in addition to the current year English course in order to stay on track for the currently required 4 credits of English for graduation

English I **Offered Yearly**

Credit(s): 1 credit = 2 semesters

Grade(s): 9

Fee: No

Prerequisite(s): none

Course Description: This is a two-semester course emphasizing a study of short stories, essays, poetry, novels and plays from around the world. *Romeo and Juliet*, *Mississippi Trial, 1955*, and *The Outsiders* are the major works considered. In addition to literature study, English I also emphasizes the study and application of the writing process. Students explore prewriting, drafting, revising, and proofreading techniques. Further, students will practice research and citing those research sources. Grammar and oral communication skills, usage, and mechanics are studied as needed by individual classes.

English II**Offered Yearly****Credit(s): 1 credit = 2 semesters****Grade(s): 10****Fee: No****Prerequisite(s): English I**

Course Description: This is a two-semester course that emphasizes literature and the writing process. The literature study focuses on units covering short stories, essays, biographies, autobiographies, poetry, drama, and novels. The major works studied are George Orwell's *Animal Farm*, Harper Lee's *To Kill A Mockingbird*, Sophocles' *Antigone*, and William Golding's *Lord of the Flies*. Emphasis is placed on recognizing and applying the elements of literature and utilizing critical thinking skills. The course is also devoted to the study of the writing skills. Concentrated study of essay writing is a major consideration. The students also participate in Grammarfest, which focuses on the study of parts of speech, grammar usage, and real-world application. Students are required to write a song-analysis research.

English III**Offered Yearly****Credit(s): 1 credit = 2 semesters****Grade(s): 11****Fee: No****Prerequisite(s): English II**

Course Description: This is a two-semester course that focuses on increasing reading comprehension and improving writing skills, and applying oral communication skills. Through the study of literature and non-fiction, students work to expand their vocabulary and comprehension skills. In addition, the works of literature undertaken expand the students' knowledge of history and the human experience. These works include the novels Night and Of Mice and Men, and short stories, poetry, non-fiction essays and articles. Writing is also a major component of the course. Through daily review and application of the mechanics of writing and through journal, creative and technical writing, plus research reports and expository, persuasive, narrative, and analysis essays, students work to improve their writing skills.

English IV**Offered Yearly****Credit(s): 1 credit = 2 semesters****Grade(s): 12****Fee: No****Prerequisite(s): English III**

Course Description: English 4 (Basic Composition 1 & 2) is a two-semester developmental composition course sequence that precedes transfer-level composition courses. This course engages students to find/develop/refine their voice and writing skills while responding to a range of writing situations. Students will learn how to compose different genres of essays and engage in the research process as they participate in the larger academic community of thinkers, readers, and writers. **This course provides students with the opportunity to earn enhancement concurrent credit with WCC courses ENG 050 and ENG 070 and is designed to prepare students for ENG 101 at the college level.**

Film Expression**Offered Yearly****Credit(s): 1/2 credit = 1 semester****Grade(s): 11, 12****Fee: No****Prerequisite(s): English II**

Course Description: This is an introductory class devoted to an overview of film techniques, film elements, and film genres. Students will research specific film topics and apply learned information to screened classic films through a written reaction paper. List of films may include, but not limited to: *Braveheart*, *Visions of Light*, *Casablanca*, *Citizen Kane*, *Jaws*, *The Sting*, *The Bride of Frankenstein*, *The Maltese Falcon*, *West Side Story*, *The Searchers*, *Some Like it Hot*, *North by Northwest*, *Toy Story*, *Shrek*, *It's A Wonderful Life*, *Star Wars*, *Yankee Doodle Dandy*, *Vertigo*, *Treasure of the Sierra Madre*, *Kramer vs. Kramer*, *White Heat*, *Public Enemy*, *When We Were Kings*, and *An Inconvenient Truth*.

Honors English III

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 11

Fee: No

Prerequisite(s): Students wishing to enroll in this course must have earned at least a 3.5 GPA cumulatively in English I and II and must demonstrate writing competency in an essay required for admission to the course. This essay will be written in an after-school session at registration time. The English sub-score on standardized and local assessments will be considered. Final determination of placement will be made by the English department.

Course Description: This is a two-semester college preparatory course. The course involves an in-depth study of American literature with emphasis placed on writing college-level papers using a word processor as well as improving interpersonal, comprehension, critical thinking, and oral communication skills. Students read and analyze a variety of works through discussion and paper writing. The works considered are *The Scarlet Letter*, *The Great Gatsby*, *Night*, and *The House on Mango Street*. Toward the end of the year, the students participate in a literature circle where they will have more control over what they read and how they present what they have learned. The literature circle unit features *The Green Mile*, *The Secret Life of Bees*, *Catch-22*, *The Adventures of Huckleberry Finn*, and *The Catcher in the Rye*. **There is also a mandatory summer assignment featuring *Of Mice and Men*. This assignment is due on the first day of school. Finally, students must maintain a grade of at least "C" during the first semester in order to stay in the class for second semester. Honors English III is a pre-requisite to Honors English IV.**

AP Literature & Composition

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 12

Fee: No

Prerequisite(s): Successful completion of Honors English III and at least a 3.5 GPA cumulatively in previous English courses and must demonstrate above average writing competency in an essay required for admission to the course. This essay will be written in an after-school session at registration time. The English sub-score on the SAT will be considered. The English department will make final determination of placement.

Course Description: Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Language and Composition courses expose students to prose written in a variety of periods, disciplines, and rhetorical contexts. These courses emphasize the interaction of authorial purpose, intended audience, and the subject at hand, and through them, students learn to develop stylistic flexibility as they write compositions covering a variety of subjects that are intended for various purposes. **There will be a mandatory summer assignment due upon entry the first day of school. Students must earn at least a "C" grade for the first semester to remain in this course second semester.**

Foundations of Literacy I

1 credit per year

Grade 9

This course is available to freshman students through placement only. Placement will consider the English sub-score on the Explore test as well as the English score on the ISAT. Both tests are taken in the 8th grade. This course will require two periods of the day. The course will focus on improving core reading skills. These skills include: Oral Reading Fluency, Comprehension, Vocabulary, and Written Expression. This course will provide students with English I as well as skill specific reading interventions.

This credit will be considered an elective credit toward graduation. The English credit the freshman year is earned through English I.

Foundations of Literacy II

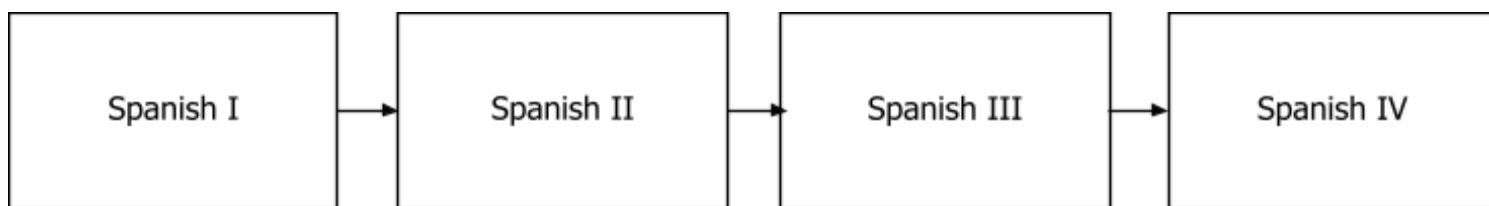
1 credit per year

Grade 10

Foundation in Literacy II focuses on the development of reading skills foundational for success in high school. This course emphasizes the instruction of fundamental reading skills, including comprehension, fluency, vocabulary, and written expression. Through the examination of fiction and non-fiction literature, students will refine comprehension skills, increase word recognition, and word analysis skills. Additionally, students enrolled in the course will increase written communication skills by refining grammar and usage skills through the writing process and development of effective composition strategies. Placement in Foundation in Literacy II is based upon 9th grade standardized assessment results and local assessments.

This credit will be considered an elective credit toward graduation. The English credit the sophomore year is earned through English II.

Foreign Language Course Sequence



The study of a foreign language will enable students to become acquainted with the language, culture, life, and philosophy of the people in another country. They will develop skills in using the language together with certain knowledge of the culture and civilization of the country where it is spoken.

Foreign Language Course Descriptions

Spanish I

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 9, 10, 11, 12

Fee: No

Prerequisite(s): Reading sub-scores standardized and local assessments will be considered.

Course Description: This is a beginning course on speaking, reading, and writing in Spanish. Cultural aspects of Spanish-speaking nations are introduced. A large variety of materials create interest. The stress is on speaking. Learning the vocabulary and grammar is essential. Although this is an elective course, it is an academic subject. Students are expected to develop or already have excellent study skills and the ability to work on materials at a self guided pace at times, without constant teacher redirection. Students will be expected to participate in class using the Spanish language.

Objectives: Students who successfully complete Spanish I should be able to: a) read and comprehend simple sentences; b) pronounce basic sounds correctly; c) speak elementary phrases and sentences; d) write short paragraphs; e) sing simple songs and play Spanish games; f) read beginning children's books; g) better understand English grammar; h) appreciate greater career opportunities through a knowledge of a foreign language.

Spanish II

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 10, 11, 12

Fee: No

Prerequisite(s): A grade of "C" or better in Spanish I

Course Description: This is a continuation of the study of Spanish with more reading from literature, original compositions, and conversation. Grammar principles are developed and more cultural aspects are presented. The course work is more demanding following a logical progression of skills learned in Spanish I. Students are expected to have excellent study skills and the ability to work on materials at a self guided pace at times, without constant teacher redirection. Students will be expected to participate in class using the Spanish language.

Objectives: The student who successfully completes Spanish II should be able to: a) understand spoken classroom Spanish; b) understand basic grammar; c) write themes and reports in Spanish; d) carry on a conversation in Spanish; e) better understand English grammar; f) continue to develop cultural knowledge of Spanish-speaking countries; g) read elementary books and newspapers; h) comprehend selected Spanish literature; i) explore career opportunities.

Spanish III

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 11, 12

Fee: No

Prerequisite(s): Successful completion of Spanish I and II with a grade of "C" or higher

Course Description: This course is a continuation of the study of Spanish with an in-depth presentation of grammar and Hispanic culture. Vocabulary and conversational skills are increased. Students are expected to utilize their study skills and the ability to work on materials at a self guided pace at times, without constant teacher redirection. Students will also be expected to participate in class using the Spanish language. Projects utilizing the Spanish language will become more proficient in this course. Students will utilize their Spanish in controlled Spanish settings, where they will acknowledge where their own level of Spanish currently is, and where it needs to be. Students will begin to look at the bigger picture of their high school education, what their interests are, and how they can incorporate those interests into Spanish as well have them also benefit the local community.

Objectives: Upon successful completion of this course students should be able to: a) understand and respond to spoken classroom Spanish; b) understand the grammar system of Spanish; c) demonstrate the ability to initiate a conversation in short original essays; e) understand the relationship between English and Spanish and their common roots: f) read original short stories and poetry; g) read Spanish novels: h) continue to study the cultures of Spanish-speaking countries; i) expand upon Hispanic culture through movies and videos.

Spanish IV

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 11, 12

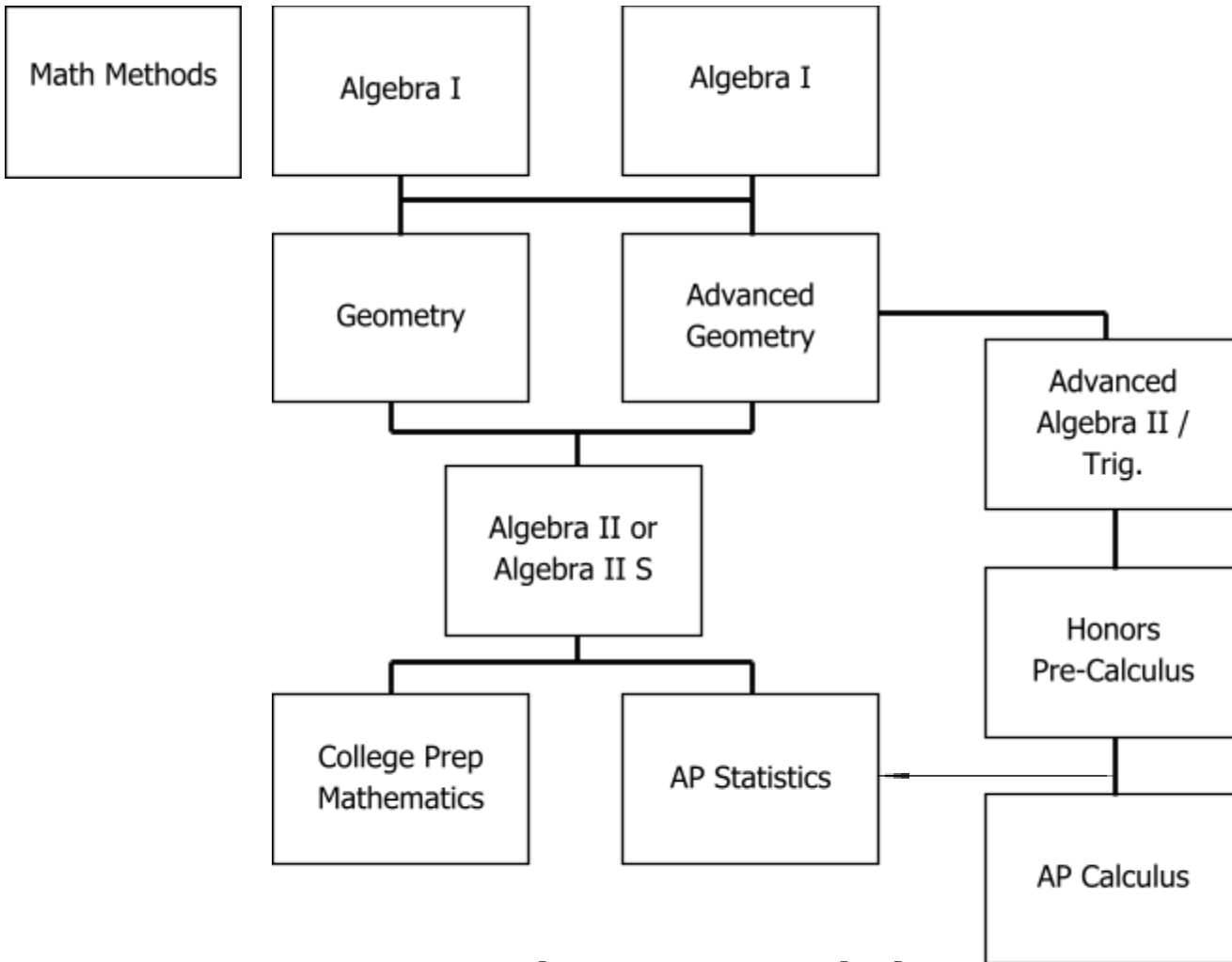
Fee: No

Prerequisite(s): Successful completion of Spanish II and III with a grade of "C" or higher

Course Description: In Spanish IV, students will continue to expand their vocabulary, grammar, and aspects of Hispanic culture. A strong emphasis will be placed on their oral communication skills. They will be expected to complete more extensive oral presentations as well as more detailed projects and activities. Students in this course will have more extensive assignments and higher expectations than those students in Spanish III. Students are expected to utilize their study skills and the ability to work on materials at a self guided pace at times, without constant teacher redirection. Students will also be expected to participate in class using the Spanish language. Projects utilizing the Spanish language will become more proficient in this course. This course will include Intra-Curricular materials, which will allow students to utilize their knowledge of the Spanish language in real world situations that may benefit others in their communities.

Objectives: Upon successful completion of this course, students should feel confident in themselves enough to take a placement exam for a post-secondary school to check where they should be placed in foreign language classes or be able to utilize basic Spanish phrases within their specific workplace settings.

Math Course Sequence



Math Course Descriptions

Math Methods

Offered Yearly

Credit(s): 1 credits = 2 semesters

Grade(s): 9, 10

Fee: No

Prerequisite(s): Placement only, based on local assessment and teacher recommendations

Course Description: Math Methods is designed for the student who will benefit from extended practice time. Students enrolled in this class will also enroll in a math class (Algebra I, Geometry or Algebra II). This additional class is support including extra practice to strengthen prerequisite skills and reinforcement of the math class concepts. More time is available for re-teaching and attention to individual ability levels. This period would be a separate class, not necessarily two periods in a row. ***This course will be considered an elective credit toward graduation.**

Algebra I

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 9

Fee: No

Prerequisite(s): None

Course Description: This is a traditional Algebra I course. These topics include solving equations, graphing lines and parabolas, factoring expressions and simplifying radicals. A graphing calculator is required for this course (TI-83 or TI-84 recommended). **This course is recommended for most freshmen.**

Advanced Geometry

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 9, 10

Fee: No

Prerequisite(s):): Completion of 8th grade Algebra or Freshmen Honors Algebra I with a B OR Completion of Algebra I with an A and/or a teacher recommendation, as well as passing score on a placement test. Students are also identified by our response to intervention process (RTI) including MAP and EXPLORE scores.

Course Description: This advanced course will challenge students who aspire to an advanced level of learning and show an interest in math. The class is distinguished by the high quality work expectations. This course will cover Euclidean geometry, including discussions of angles, lines, triangles, polygons, circles and other figures. Students will investigate concepts of area, volume, congruency, similarity and parallelism. Logic and reasoning, as well as the use of formal proofs, will be integral parts of this course. Finally, students will gain exposure to geometric constructions and use software to discover geometric concepts.

Geometry

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 10

Fee: No

Prerequisite(s): Completion of Algebra I

Course Description: This course will cover Euclidean geometry, including discussions of angles, lines, triangles, polygons, circles and other figures. Students will investigate concepts of area, volume, congruency, similarity and parallelism. Logic and reasoning, as well as the use of formal proofs, will be integral parts of this course. Finally, students will gain exposure to geometric constructions and use software to discover geometric concepts.

Algebra II

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 11

Fee: No

Prerequisite(s): Successful completion of Algebra I and Geometry

Course Description: Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Advanced Algebra II/Trigonometry

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 10/11

Fee: No

Prerequisite(s): Completion of Algebra I and Geometry with at least a math "B" average (3.5), teacher recommendation, and commitment to the AP Calculus path

Course Description: This course is intended for students on the A.P. Calculus path, with more in-depth study and the inclusion of trigonometry. This course builds upon the Algebra I topics involving linear, quadratic, and radical functions and their properties. It introduces new topics of function properties as well as new types of functions (polynomial, exponential, logarithmic, and rational), systems of linear equations, and matrices. **A graphing calculator is required. (TI-84 recommended, check with instructor)**

Algebra II-S

Credit(s): 1 credit = 2 semesters

Grade(s): 11/12

Fee: No

Prerequisite(s): Completion of Geometry with at least a math, and/or teacher recommendation.

Course Description: Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions, with pacing and structure that provide additional academic support. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. Through this course students will feel confident with Algebra skills and the application of these skills in day to day activities. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

College Prep Mathematics

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 12

Fee: No

Prerequisite(s): Algebra II and must be a senior with 3.0 previously earned credits of mathematics.

Course Description: Transitional courses are intended to help students develop conceptual understandings and problem-solving ability as well as college and career readiness. This class will act as a bridge between high school math curriculum and college entry math courses and is aligned with Waubensee Community College/Illinois Community Colleges creating a pathway to 100 level math courses. A calculator is required for this course (for example TI 30 or Casio).

Honors Pre-Calculus

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 11, 12

Fee: No

Prerequisite(s): Completion of Algebra I, Geometry, and Advanced Algebra II/Trig with at least a math "B" average (3.25), teacher recommendation, and commitment to the AP Calculus path

Course Description: This is an honors course for juniors planning to take calculus their senior year as well as for seniors preparing to take college-level math. Semester one focuses on function properties (like domain and range), function transformations, regression equations and modeling, as well as polynomial and power functions. Semester two focuses on logarithmic, exponential, and trigonometric functions, as well as probability and matrices. **A graphing calculator is required (TI-83 or better, check with instructor).**

AP Calculus**Offered Yearly****Credit(s): 1 credit = 2 semesters****Grade(s): 12****Fee: No****Prerequisite(s): Completion of Algebra I, Geometry, Advanced Algebra II/Trig, and Honors Pre-Calculus with at least a math "B" average (3.25), teacher recommendation**

Course Description: This course is an honors, Advanced Placement Calculus AB course. This means students who take and pass the Advanced Placement test in May can receive college credit for this course. This is a year-long course that covers all the material that would be covered in a one-semester university course. Semester one focuses on pre-calculus review, limits, and derivatives. Semester two focuses on integrals, application problems of the derivative and integral, and preparation for the AP exam and format. **A graphing calculator is required. (TI-83 or above, check with instructor).**

AP Statistics**Offered Yearly****Credit(s): 1 credit = 2 semesters****Grade(s): 11, 12****Fee: No****Prerequisite(s): Algebra II**

This course is an additional choice for seniors who want to take a fourth or fifth year of high school math. This course will cover concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns and statistical inference. The course is geared toward students majoring in business, psychology, sociology, education, etc.

Important Note Regarding Taking Two Math Courses in One School Year

Students may take Algebra 2 and Geometry at the same time during their sophomore year, provided that students maintain an A average in Algebra 1, and are given teacher recommendation. This enables students to take more advanced classes while in high school. All students are expected to take a math class their junior year in preparation for the ACT. Students may also wish to take two math courses their senior year if they qualify for both Introduction to Statistics and an additional math course such as College Algebra/Trigonometry, Honors Pre-Calculus or AP Calculus.

Music Course Descriptions**Band****Offered Yearly****Credit(s): 1 credit = 2 semesters****Grade(s): 9, 10, 11, 12****Fee: Yes****Prerequisite(s): None**

Course Description: The Somonauk Band offers an opportunity for students to explore the fine arts through instrumental music. It allows students with previous instrumental experience to continue to develop their musical abilities and talents as well as express themselves in a positive and creative manner. Content areas include; music reading, rhythm reading, ear training, music history, theory and composition. Musical mediums that are explored include: classical, traditional, pop, jazz, and contemporary. The students apply their knowledge in performing groups such as concert band, marching band, jazz band, and small ensembles. Several opportunities are available for students to show what they have learned through performances. Performances include: parades, concerts, basketball games, band festivals, contests, and large band trips. Only those students with previous instrumental music experience and a desire to have fun while creating music are invited to openly enroll. Students with no previous instrumental experience who are interested in enrolling in band must contact the director prior to enrolling to receive approval and enrollment requirements.

Chorus**Offered Yearly****Credit(s): 1 credit = 2 semesters****Grade(s): 9, 10, 11, 12****Fee: Yes****Prerequisite(s): None**

Course Description: The Somonauk Chorus offers an opportunity for students to explore the fine arts through vocal music. It allows students with previous instrumental experience to continue to develop their musical abilities and talents as well as express themselves in a positive and creative manner. Performances include: concerts, choral festivals, contests, and large music trips.

Physical Education Course Descriptions

***All students are required to be enrolled in Physical Education or Lifetime Fitness each semester unless taking Drivers Education, Health, or exempted. Only one Physical Education course may be taken per semester, unless necessary for fulfilling graduation requirements.**

Physical Education**Offered Yearly****Credit(s): 1/2 credit = 1 semester****Grade(s): 10, 11, 12****Fee: No****Prerequisite(s): None**

Course Description: Physical education focuses on increasing the knowledge affecting attitudes, and behavior related to physical activity including exercise, sport, games, dance, and outdoor activities. Emphasis of study is placed on learning skills, techniques, rules and strategies, and the value of exercise to one's health. Physical Education class focuses on team games, strategies, and specific skill development. Lifetime fitness objectives are stressed including weightlifting, aerobic training, and health related fitness goals. Included are activities such as; volleyball, basketball, pickle ball, flag football, speedball and other team sports.

Lifetime Fitness**Offered Yearly****Credit(s): 1/2 credit = 1 semester****Grade(s): 9, 10, 11, 12****Fee: No****Prerequisite(s): None**

Course Description: Lifetime personal fitness is an optional course offered for all students at any fitness level by semester or throughout the year. When students leave the Lifetime Fitness class they should be able to walk into a gym or fitness center, and know how to create a fitness plan to meet their personal needs. Areas of focus will include the 5 components of Health Related Fitness, program design, safety, and goal setting. The students will log their workouts to track their progress. Students will also learn major muscles of the body, and which exercises involve those muscles. During the semester, students will create their own measurable goals, and programs to help meet those goals.

*All 9th graders will take 9th Grade Lifetime Fitness, focusing on learning the same topics at a rate and level appropriate for their experience level. Students will be divided by gender for most activities.

Sport Performance Training**Offered Yearly****Credit(s): 1/2 credit = 1 semester****Grade(s): 10, 11, 12****Fee: No****Prerequisite(s): None**

Course Description: This course is designed to provide in-season and out-of-season sports performance training for student-athletes. Students will work on a combination of strength, agility, balance and speed during daily workouts. Some training opportunities will be whole class and some maybe more student or sport specific.

Health**Offered Yearly****Credit(s): 1/2 credit = 1 semester****Grade(s): 9, 10, 11, 12****Fee: No****Prerequisite(s): None**

Course Description: This is a required course for all students. The course will address physical, mental, and social health development. The following areas are covered: personality/self esteem, health and well-being, nutrition and exercise, substance abuse, chronic and communicable diseases, suicide/stress management, CPR/AED training, and sex education. Positive health practice and good value judgment are the main focuses of all topics covered. *Health is traditionally taken in conjunction with Driver Education and Career Education, being scheduled in the opposing semester during the sophomore year.

Driver Education**Offered Yearly****Credit(s): 1/4 credit = 1 Quarter/9 weeks****Grade(s): 9, 10, 11, 12****Fee: Yes****Prerequisite(s): None**

Course Description: Driver Education is a required course. Somonauk is one of a select group of schools qualified to operate a Cooperative Testing Program in the state of Illinois. This program allows students who have earned an A or B in the course to take the driving test with the instructor rather than at the DMV. There are two phases to Driver Education. The first phase is the classroom phase. During the classroom phase students will take the vision screening and written exams necessary to obtaining a permit. Students will also learn basic and advanced skills regarding vehicle maneuvers (parking, turnabouts, ect.) driving in adverse conditions, and accident avoidance. Students will learn DUI laws and the impact of driving while intoxicated.

In addition to the \$250.00 lab fee, every student will need to pay \$20.00 to the Secretary of State for the student's permit application. Students needs 50 hours (logged) of behind the wheel experience with an adult over the age of 21. State law requires that each student will have six hours of behind the wheel driving instruction with a certified instructor. Once the student passes the classroom phase, completes the six hours of behind the wheel driving with the instructor, complete 50 hours of driving with their parents (10 at night) and the student has had their permit for nine months and 1 day, they are eligible to receive their license. A student who receives a C or D in the classroom will have to take their driving test at the DMV. Students who fail Driver Education must retake it and repay the \$250 fee.

DOB for Driver Ed. Enrollment: Students must turn fifteen years old before they are eligible to sit for the State permit test. Freshman wishing to enroll are not guaranteed enrollment.

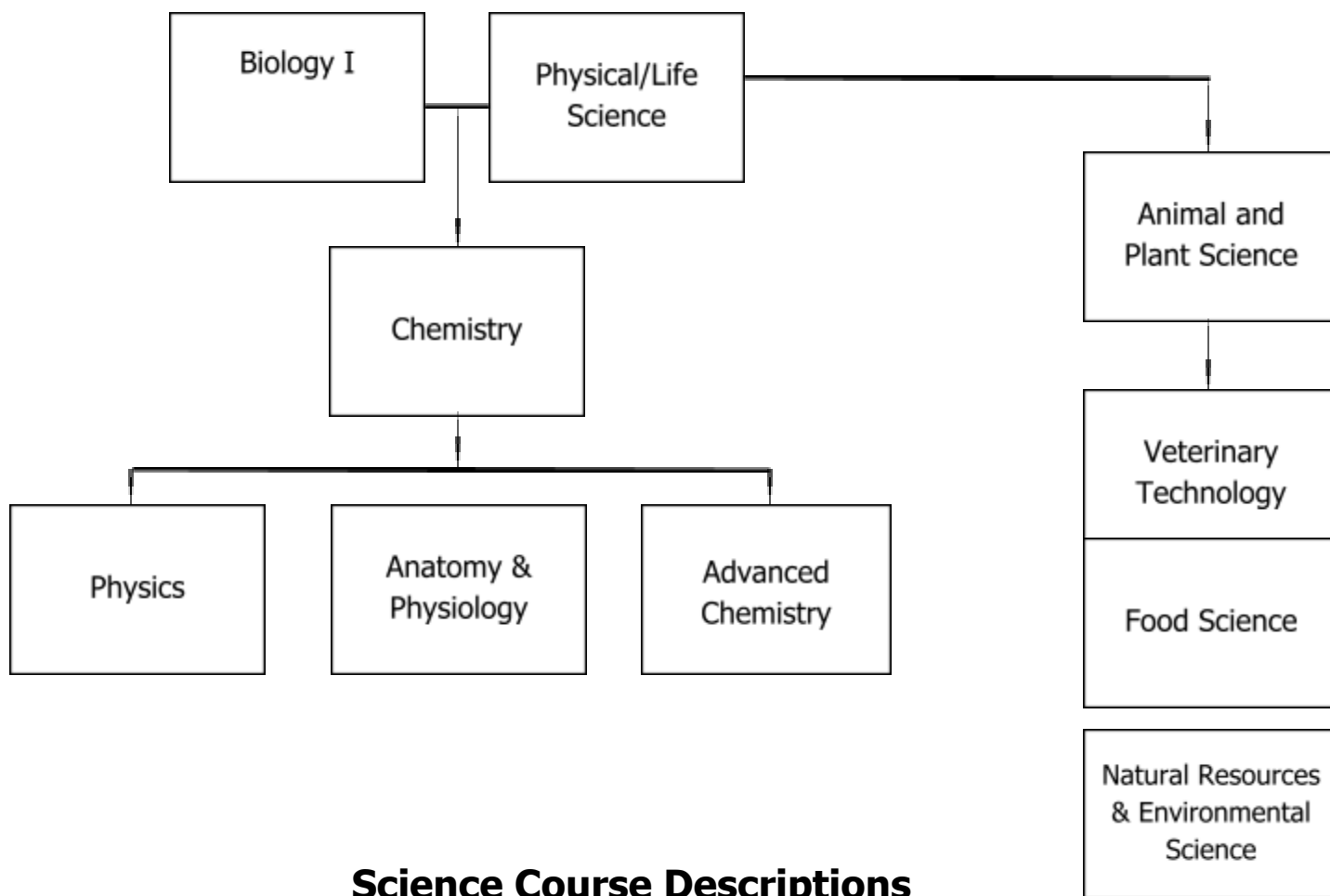
PLEASE NOTE: A student may not get their license until they are 21 years of age unless they take this course.

Early Permit Program (EPP)

Somonauk High School offers students the opportunity to participate in the Early Permit Program. Through this program students can obtain a permit when they are at least 15 years old, but before they actually enter the Driver Education course. The Early Permit Program (EPP) provides an opportunity for students to gain more experience behind the wheel with their parents/guardians, as well as ensure qualification for the minimum 9 month permit requirement a student must meet before obtaining their license.

This program is not required to obtain a permit. Students are not required to participate in this program to receive a permit through SHS. We will still offer permits through the Driver Education Course as well.

Science Course Sequence



Science Course Descriptions

Physical Science (2019-2020)

Offered Every Other Year

Credit(s): 1 credit = 2 semesters

Grade(s): 9

Fee: No

Prerequisite(s): None

Course Description: Physical science is a general survey course of the non-life sciences. The course covers the principles of matter, the periodic table, chemical compounds and reactions, the physics of force and motion, waves and electricity as well as Earth and space science. The course will use these concepts to drive the procedures of science, lab activities and the collection and interpretation of scientific data. The concepts covered in this course will require basic math applications and problem solving ability.

Life Science (2020-2021)

Offered Every Other Year

Credit(s): 1 credit = 2 semesters

Grade(s): 9

Fee: No

Prerequisite(s): None

Course Description: Life science is a project-based course designed for students to develop the essential skills and learn fundamental concepts of Biology. Students study living things, the characteristics and needs that all living things have in

common, the changes and ways that all living things depend upon Earth and its resources. We will cover classification of life, evolution, energy, cell structure, growth and reproduction, heredity, and ecology and environment.

Biology I

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 9, 10

Fee: No

Prerequisite(s): None

Course Description: Biology I is a course designed to cover the major studies in the life sciences and practice the skills needed in scientific methods. The course will cover the topics of biochemistry, cell biology, genetics, DNA, evolution, ecology and classification of life. The course will include numerous lab activities that incorporate technology and biological specimens. The course also incorporates reading and data lessons that will help build the skills needed to be successful on the science portion of the ACT.

Chemistry

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 10, 11, 12

Fee: No

Prerequisite(s): Successful completion of Biology I and Algebra I with a minimum "C" average for each semester plus enrollment in a second year of math is necessary to take this course.

Course Description: This course is the study of matter and composition. Topics included are: atomic structure, quantum theory, the periodic table, bonding, nomenclature, intermolecular forces, chemical reactions, stoichiometry, gasses, and kinetics. Labs are utilized whenever possible.

Advanced Chemistry

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 11, 12

Fee: No

Prerequisite(s): Successful completion of Biology I and Chemistry with a "C" or better in both courses and departmental recommendation

Course Description: Advanced Chemistry provides a more detailed examination of some of the topics explored in Chemistry as well as consideration of more advanced topics including organic chemistry and biochemistry. This course is strongly recommended for anyone planning future education in the sciences.

Anatomy & Physiology

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 11, 12

Fee: No

Prerequisite(s): Successful completion of Biology I and Chemistry with a "C" or better in both courses and departmental recommendation

Course Description: The course includes factors that affect human physiology such as disease, infections, nutrition and genetic inheritance but focuses strongly on the structure and processes of the human body. A&P is a course that is ideal for those pursuing careers in the health industry such as nursing, dietician, or forensics.

Physics**Offered Yearly****Credit(s): 1 credit = 2 semesters****Grade(s): 11, 12****Fee: No****Prerequisite(s): Successful completion of Biology I and Chemistry with a "C" or better in both courses and departmental recommendation**

Course Description: This course emphasizes the following major topics: translational motion, rotational motion, energy, thermodynamics, waves, optics and sound. Labs are utilized whenever possible. This is a math intensive course.

Social Science Course Descriptions

World Geography**Offered Yearly****Credit(s): 1 credit = 2 semesters****Grade(s): 9, 10****Fee: No****Prerequisite(s): None**

Course Description: We live in a global community that is interdependent whose success depends in part on cross-cultural awareness, mutual respect, and understanding. This course places an emphasis on the examination of geographic, political, economic, religious, and social systems in the regions of North America, South America, Europe, Africa, Asia, and Australia. The impact of geographical conditions and historical experiences have on these regions will be analyzed. Skills in reading, writing, note and test taking will be taught. The development of social skills, cooperative group work, and class discussion will be practiced. This is the recommended social studies course for freshmen placed in Foundations in Literacy I.

World History**Offered Yearly****Credit(s): 1 credit = 2 semesters****Grade(s): 9, 10****Fee: No****Prerequisite(s): 8th Grade PASAT Reading score, PARCC, STAR, grades and teacher recommendation will be considered**

Course Description: How and why does a civilization develop? World History presents a chronological approach focusing on the development of prehistory and ancient civilizations through cultures of the modern world of the WWII era. The civilizations and regions of study include Africa, the Middle East, South and East Asia, the Americas, and Europe. The analysis of man's political, economic, social, spiritual, and intellectual development through the centuries will provide a foundation for understanding the values of these civilizations and their impact upon the modern world. The development of reading, writing, and critical thinking skills as well as the evaluation of primary source documents will be practiced.

US History**Offered Yearly****Credit(s): 1 credit = 2 semesters****Grade(s): 11****Fee: No****Prerequisite(s): None**

Course Description: This is a two semester course, both of which must be passed to graduate. In addition to studying the history of the United States from the Pre-Columbian Era thru World War 2, ample time and effort will be put into developing the timeless skills of critical reading, analytical thinking, persuasive arguing, and clear writing.

AP US History**Offered Yearly****Credit(s): 1 credit = 2 semesters****Grade(s): 11****Fee: Textbook fee/rental
AP exam (optional)**

Prerequisite(s): G.P.A. of 3.5 is necessary to enroll in this course. Also a "C" average must be earned during the first semester to remain in it for the second semester or the student will be placed in the regular U.S. History course. Reading sub-scores from standardized and local assessments will be considered along with teacher recommendation.

Course Description: APUSH is a two semester course. In addition to studying United States History from the Pre-Columbian Era to Modern-times, ample time and effort will be put into developing the relevant skills of critical reading, analytical thinking, persuasive arguing, and clear writing. This will be a challenging class, designed to prepare students for the APUSH Exam in May and to give them a college-like academic experience while still in high school and to prepare students to take and excel on the Advanced Placement Exam in May of every year. If students earn a specific score on the Advanced Placement Exam they could potentially, based upon the institution they plan to attend after high school, earn some college credit or opt out of some course work at that institution.

RUSH (Recent US History)**Offered Yearly****Credit(s): .5 credit = 1 semesters (can be taken both semesters) Grade(s): 12****Fee: No****Prerequisite(s): US History and a strong interest in the subject**

Course Description: Journey through America's more recent historical events and how they have impacted the present. This course will focus on the role of the United States in domestic and foreign situations since World War II. Emphasis will be placed on major issues ranging from the Cold War, Vietnam, the Middle East, the fall of the Berlin Wall, the Gulf War, the Balkans, the war in Iraq, and domestic issues such as civil rights movement, social, political, and economic trends, assassinations, the CIA, Watergate, Reagonomics, the boom economy of the 1990's, the Clinton presidency, and the Bush administration. The development of reading, writing, and critical thinking skills as well as the evaluation of primary source documents will be practiced.

Sociology**Offered Odd Years****Credit(s): .5 credit = 1 semester****Grade(s): 11, 12****Fee: No****Prerequisite(s): none**

Course Description: This is a one semester elective course. During the semester students study culture, socialization, social groups and organizations, and deviance from a sociological perspective. In addition to focusing on this interesting content, students will be thinking, reading, and writing a lot as they actively engage this fascinating discipline.

Current Events**Offered Yearly****Credit(s): 1/2 credit = 1 semester****Grade(s): 11, 12****Fee: No****Prerequisite(s): none**

Course Description: Do you know about the major issues involving America? Do you like to express your opinions? Or do you want to become more aware of the current events going on? Learn about current political, economic, social, religious, military, human rights, and geographic issues involving the United States both domestically and internationally. There will be emphasis on reading current news publications and text materials as well as watching issue-based documentaries. Students will be asked to synthesize topic ideas and policies in discussion, debates, and written assignments. **PLEASE NOTE: Although a semester course, Current Events may be taken for two semesters.**

Psychology**Offered Even Years****Credit(s): 1/2 credit = 1 semester****Grade(s): 11, 12****Fee: No****Prerequisite(s): none**

Course Description: This is a one semester elective course. Students will be studying states of consciousness, learning, memory, and motivation from the psychological perspective. Students will be thinking, reading, discussing, and writing a lot as they engage in the study of these most relevant and interesting subjects.

Civics**Offered Yearly****Credit(s): 1/2 credit = 1 semester****Grade(s): 10, 11, 12****Fee: No****Prerequisite(s): none**

Course Description: This single semester course and graduation requirement examines the general structure and functions of American government, the roles and responsibilities of citizens to participate in the political process, and the relationship of the individual to the law and legal system.

Consumer Education**Offered Yearly****Credit(s): 1/2 credit = 1 semester****Grade(s): 12****Fee: No****Prerequisite(s): none**

Course Description: This is a one semester course, mandatory for graduation. During the semester we study many matters of personal finance including: saving, budgeting, debt, investing and retirement, insurance, and career and taxes among other personal finance topics. Besides focusing on this essential content, we will be thinking, reading, and writing a lot as we engage in the study of these most important and relevant subjects.

Technology Course Descriptions

Computer Applications**Offered Yearly****Credit(s): 1/4 credit = 1 semester****Grade(s): 9, 10, 11, 12****Fee: No****Prerequisite(s): none**

Course Description: Computer Concepts and Software Applications is an orientation-level course designed to develop awareness and understanding of application software and equipment used by employees to perform tasks in business, marketing and management. Students will apply problem-solving skills to hands-on, real-life situations using a variety of software applications, such as word processing, spreadsheets, database management, presentation software, and desktop publishing. Students will explore topics related to computer concepts, operating systems, telecommunications and emerging technologies. The development of employability skills, as well as transition skills, will be included in the course as well as an understanding of the ethical considerations that arise in using information processing equipment and gaining access to available databases. ***Taken on the opposite quarter of Driver Education.**

Video Production**Offered Yearly****Credit(s): 1/2 credit = 1 semester****Grade(s): 11, 12****Fee: No****Prerequisite(s): Film Expression**

Course Description: In this course students will use the knowledge from Film Expressions to create their own short films. Students will learn techniques and skills necessary to communicate effectively through the medium of film.

Web Page & Interactive Media Development I**Offered Yearly****Credit(s): 1/2 credit = 1 semester****Grade(s): 9, 10, 11, 12****Fee: No****Prerequisite(s): None**

Course Description: Web Page and Interactive Media Development I is a skill-level course designed to prepare students to plan, design, create and maintain web pages and sites. Students will learn the fundamentals of web page design using HTML, HTML editors, and graphic editors as well as programming tools such as JavaScript. Students will work in a project based environment to create a working website. Students will learn to create pages, add hyperlinks, make tables and frames, create forms, integrate images, and set styles. Students will use image-editing programs to manipulate scanned images, computer graphics, and original artwork. Instruction will include creating graphical headers, interactive menus and buttons, and visually appealing backgrounds. Students will use hardware and software to capture, edit, create, and compress audio and video clips.

Introduction to Computer Science**Offered Yearly****Credit(s): 1/2 credit = 1 semester****Grade(s): 9, 10, 11, 12****Fee: No****Prerequisite(s): None**

Course Description: An interactive introductory course for students brand new to programming that teaches the foundations of computer science and challenges students to explore how computing and technology can impact the world. The course will use an AP approved curriculum from Code.org which focuses on concepts such as problem solving through computational widgets such as pixilation and text compression widgets or collaboration through using App Lab to create a digital scene. Students will come away with a high level set of skills applicable to all careers.

Special Needs

The special needs program is designed for students who are staffed into the program through test results and referral. The special needs classes are individualized based upon the student's abilities. Resource classes are also available through the program.

Non-Departmental Electives

Future Teacher

Offered Yearly

Credit(s): 1 credit = 2 semesters

Grade(s): 11, 12

Fee: No

Prerequisite(s): Selection based on the availability of the number of teachers able to supervise. Priority will go to seniors.

Course Description: Juniors and seniors who are interested exploring education will be assigned to an elementary, middle or high school teacher for one class period each day. They will help students remediate or with enrichment activities as well as other teacher assistance. The first priority will be to students who are enrolled in the IVVC Early Childhood Education program.

Pass/Fail credit will be given with a pass to equal $\frac{1}{2}$ graduation credit per semester. To receive a pass, the student must complete all requirements as established by the teacher, have near perfect attendance, and submit a quarterly portfolio to the cooperating teacher and school counselor. All dates for the portfolio will be given to the students at the beginning of the year. Submission of the portfolio will be approximately one week before the end of each quarter, allowing time for corrections. Students with poor performance in the Future Teacher classrooms will be removed from the program.

Illinois Virtual High School

Offered Yearly

Credit(s): $\frac{1}{2}$ credit = 1 semester

Grade(s): 12

Fee: No

Prerequisite(s): Selection upon request

Course Description: Opportunities for seniors to select specialized on-line courses from Illinois Virtual High School will be offered to no more than five (5) students who express an interest and meet selection criteria. Students may take no more than one class each semester. The district will pay the tuition for the class. Participation for the second semester will be permitted upon successful completion of the first semester on-line course. First priority will be to qualified students who are interested in advanced placement courses. The next priority will be to qualified students who are interested in a course that is not offered at Somonauk High School. Any junior or senior who is interested in being considered for an on-line course from Illinois Virtual High School should see the guidance counselor for details concerning the availability of courses offered and the selection criteria.

Indian Valley Vocational Center Programs

Auto Body Repair

Offered Yearly

Credit(s): 3 credits = 2 semesters

Grade(s): 11, 12

Fee: Yes

Prerequisite(s): See course description

SIS #: 20116A001 (1st yr)
20116A002 (2nd yr)

The Auto Body Repair class at IVVC is a comprehensive program for collision repair and automotive paint refinishing. It also encompasses safety practices and safety equipment, as well as EPA standards. First year students will get a basic knowledge of collision repair, from damage assessment to the final detailing of the vehicle. Second year students will continue with the previous year's topics and get advanced training on structural repairs, as well as estimating repairs. All students will have the opportunity to work hands on in a body shop environment that will show them the process of taking a repair from the estimate to the delivery of the vehicle back to its owner. The IVVC body shop strives to provide a professional shop-like atmosphere. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that foster the development of movement skills and enhance health-related fitness.

WCC Articulation: Auto Body I & II – ABR 115 Basic Auto Body Repair (4 credits)

Other Certifications – SP2 & OSHA-10 (safety certification)

Automotive Technology

Offered Yearly

Credit(s): 3 credits = 2 semesters

Grade(s): 11, 12

Fee: Yes

Prerequisite(s): See course description

SIS #: 20104A001 (1st yr)
20104A002 (2nd yr)

Students enrolled in Auto Technology at IVVC will learn how to service and maintain high tech vehicles by way of classroom instruction and lab work. First year students will learn the fundamentals of safety, lubrication, tire and wheel servicing, engine design, and automotive braking systems. Approximately 80% of their time is spent in the shop watching demonstrations and repairing live vehicles. Second year students move on to diagnostic functions on the car's computer systems, engine theory, and also perform alignments using our state-of-the-art equipment. All students have the opportunity to learn how to provide service writer and parts person functions as the IVVC shop strives to provide a professional shop-like atmosphere. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness.

WCC Articulation: Automotive Technology II – AUT 100 Fundamentals of Automotive Technology (2 credits)

Other Certifications: SP2 & OSHA-10 (safety certification)

Building Trades

Offered Yearly

Credit(s): 3 credits = 2 semesters

Grade(s): 11, 12

Fee: Yes

Prerequisite(s): See course description

SIS #: 17002A001 (1st yr)
17002A002 (2nd yr)

Building Trades prepares the student with occupational skills in the areas of survey, blueprint reading, concrete construction, rough and trim carpentry, roofing and siding, masonry, plumbing, electrical, insulation, drywall, painting, and landscaping. This program offers 90% hands-on experience with OSHA 10 Certification. The student will participate

in the construction of a residential home in order to meet the course competencies as well as prepare him/her with employable skills. The student will also be prepared for advanced placement standing at the local community college or in a local approved program of apprenticeship training. Enrolled students will be expected to participate in routine physical activities in an outdoor environment on a daily basis. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness.

Certified Nurse Assistant

Offered Yearly

Credit(s): 3 credits = 2 semesters

Grade(s): 11, 12

Fee: Yes

Prerequisite(s): See course description and good attendance

SIS #: 14051A001

This course follows the guidelines of the Illinois Department of Public Health to achieve a certificate as a Certified Nurse Assistant. Forty hours of hands-on clinical time is required. A fingerprint criminal background check is also required. Students in this program are expected to participate in routine activities on a daily basis that involve physical movement and enhance health-related fitness. They will work cooperatively in groups demonstrating decision making, leadership skills and responsible behaviors. Students will learn how physical fitness and healthy living affect workplace performance and success. Students must be able to do heavy lifting, pushing and pulling.

WCC Articulation: NAS 101 Basic Nurse Assistant Training (7 credits)

Certification: Nursing Assistant; CPR – Health Care Provider Card

Computer Programming

Offered Yearly

Credit(s): 3 credits = 2 semesters

Grade(s): 11, 12

Fee: Yes

Prerequisite(s): See course description and a foundation of basic math skills, including geometry

SIS #: 10152A001

Computer Programming is a bottom to top course in the software development process. Students begin with programming fundamentals and evolve into deconstructing complex real-world programming problems. Students learn using C++ in a multitude of computer science fields such as: program design, gaming design, and micro controllers. We will use world class development tools such as QT and the Unreal Engine to bring student's thoughts to life. Consistent focus in this course will result in a stronger logic/object-oriented mindset that will foster greater mathematical and scientific understanding in other subjects or areas of life.

Computer Technology (Maintenance & Repair)

Offered Yearly

Credit(s): 3 credits = 2 semesters

Grade(s): 11, 12

Fee: Yes

Prerequisite(s): See course description

SIS #: 10252A001 (1ST yr)

10252A002 (2nd yr)

State of the art program in computer maintenance and installation. Students work with hardware and software in a "real world" environment to maintain PCs and printers at IVVC. They also do maintenance work for other schools. New computer setup, purchase and evaluation are also a part of the course. Students will explore wired and wireless networks. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness. Computer Technology II builds on the skills taught in Computer Technology I. Students will work on advanced projects using those skills as well as serve as help desk support for the school. Internships may be available for eligible students.

WCC Articulation: Computer Technology – CIS 105 Introduction to Windows (1 credit)

Cosmetology

Offered Yearly

Credit(s): 3 credits = 2 semesters

Grade(s): 11, 12

Fee: Yes

Prerequisite(s): See course description

SIS #: 19101A001 (1st yr)
19101A002 (2nd yr)

This is a 1,500 hour program contracted through Hair Professionals Career College, offered at their Oswego or Sycamore site or Debutantes School of Cosmetology & Nail Technology in DeKalb. Completers will have earned up to 1,000 hours towards the state licensing requirements for cosmetologists during the two year program.

Culinary Arts

Offered Yearly

Credit(s): 3 credits = 2 semesters

Grade(s): 11, 12

Fee: Yes

Prerequisite(s): See course description

SIS #: 16052A001 (1st yr)
16055A001 (2nd yr)

The IVVC Culinary Arts program offers students a hands-on experience of the restaurant industry. They will learn how to operate a catering and quick service restaurant business. Developing strong knife skills, organizational techniques, sanitation fundamentals and understanding the flavor profiles of ingredients are core principles of the course. Students will gain real world expertise to help them meet the demands of the modern restaurant industry. Course expectations will require the use of basic math skills along with developing public speaking and presentation techniques. Labs will require the ability to work well with others in a fast paced kitchen environment.

Students enrolled in Culinary Arts will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness.

JJC Articulation: Culinary Arts II – HOSP 120 Exploring the Hospitality Industry (3 credits)

Certifications: ServSafe Sanitation License (required), ProStart Certification (optional)

Early Childhood Development

Offered Yearly

Credit(s): 3 credits = 2 semesters

Grade(s): 11, 12

Fee: Yes

Prerequisite(s): See course description

SIS #: 19054A001 (1st yr)
19055A001 (2nd yr)

Do you enjoy working with children? The Early Childhood Development program offers students excellent opportunities to work with 3, 4 and 5-year old children. This class offers hands-on experiences teaching children in our preschool lab setting. All students experience planning and teaching activities in the areas of art, science, language, math and Pre-K skills geared to the development of the preschool age child. Second year students have internship opportunities in local pre-, elementary, and junior high schools available to them. This course also utilizes the Gateways to Opportunity program, which gives the students the opportunity to earn an ECE Credential Level 1 Certificate. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness.

WCC Articulation: Early Childhood I – ECE 102 Career Explorations in Early Childhood (3 credits)

Early Childhood II – ECE 101 Introduction to Early Childhood Education (3 credits)

Certification: Gateways to Opportunity Level 1 ECE Credential; CPR Heartsaver Card

Emergency Medical Responder

Offered Yearly

Credit(s): 3 credits = 2 semesters

Grade(s): 11 or 12

Fee: Yes

Prerequisite(s): See course description

SIS #: 14002A003

Learn to provide immediate care to an ill or injured person and to assist emergency medical service (EMS) providers. Completion of this class will provide a strong background useful in lifeguard positions, fire services, sports medicine, medical facilities and in preparation of the EMT-B course. This course incorporates a public safety academy style. The students' daily routine includes proper uniform, equipment checks, station cleaning and ambulance checks. Students will participate in classroom lecture, demonstrations, and hands-on practice of individual skills. Course topics include: legal and ethical issues, anatomy and physiology, lifting and moving patients, establishing an airway, patient assessment, emergency response to the sick and injured, childbirth, EMS operations, employments literacy, personal skills related to employment, interpersonal skills and group dynamics, thinking and problem solving skills and communication skills. Students will also develop their leadership skills through project management. Students can also complete an externship with a local fire department including ambulance ride time.

Other certifications: FEMA NIMS (National Incident Management System) 100: Introduction to the Incident Command System; DEMA NIMS 700: National Incident Management System, An Introduction, CPR – Health Care Provider card

Emergency Medical Technician – EMT Basic

Offered Yearly

Credit(s): 3 credits = 2 semesters

Grade(s): 12

Fee: Yes

Prerequisite(s): See course description

SIS #: 14055A001

This senior only course covers emergency medical response and care for the sick and injured. Topics include medical terminology, legal and ethical aspects of emergency medicine, CPR, patient assessment and care of medical and trauma patients. Students also learn communication and documentation skills and have the opportunity to learn and demonstrate emergency management and incident command skills. This course includes a clinical component to be completed in area hospitals, as well as the opportunity to do ambulance ride-along time with local fire departments. Upon successful completion of the EMT Basic course and 18 yrs of age, students are eligible to take the IL State licensure exam or the National Registry of EMT certification exam. Students are expected to participate in routine activities on a daily basis that involve physical movement and enhance health related fitness. This course gives the students the skills and knowledge foundation for successful entry into emergency medical services. Students interested in a Fire Department/ EMT career should consider taking IVVC Fire Science their junior year and then EMT their senior year. Most fire departments require dual certification.

Credit(s): 3 credits = 2 semesters**Grade(s): 11, 12****Fee: Yes****Prerequisite(s): See course description**SIS #: 15152A001 (1st yr)
15152A002 (2nd yr)

First year students—Basic Operations Firefighter: This course is a study of techniques used in fire fighting. This course covers the subjects required by the Office of the State Fire Marshal for certification at the Basic Operations Firefighter level. This course also incorporates a fire department atmosphere into the training. The student's daily routine includes proper uniform, apparatus and PPE checks and station cleaning. Students will take part in classroom lectures, demonstrations, hands on practice on individual skills, training responses that incorporate these individual skills into fire ground evolutions through the use of various props and structures. Students will also complete a project on Pride, Honor and Tradition or complete a Line of Duty Death project. This program emphasizes the knowledge, individual skills and teamwork skills necessary for entry level personnel to become functioning members of a fire company. This program also covers Technical Rescue Awareness, Fire Service Vehicle Operator, Hazardous Materials Awareness, National Incident Management System and Courage to be Safe.

Second year students—Advanced Technician Firefighter: Second year students begin the year working on all the required coursework to obtain their Advanced Technician Firefighter certification. This class is designed for the experienced firefighter. Some of the hands on skills include R.I.T. evolutions, radio communication drills, forcible entry, ventilation, and assisting Technical Rescue Teams. Students will also complete the Vehicle Machinery Operations class. VMO teaches students how to deal with various auto accident incidents. Extensive hands-on tool time is given to the students to work with various tools and techniques to perform auto extrication. During the spring portion of the class, Hazardous Materials Operations is completed. This class will give the student the knowledge and skills necessary to function as a Hazardous Materials First Responder. Throughout the year, second year students will assist the first year students during various company evolutions acting as company officers.

Both classes are offered at the Sandwich Fire Station. Indian Valley Vocational Center's Fire Science Technology Class is fully certified by the Illinois Office of the State Fire Marshall (OSFM). Students of this program are eligible to take OSFM certification tests after they have received the appropriate experience or other requirements as stated by the OSFM.

First and second year students in this program are expected to participate in routine activities on a daily basis that involve physical movement and enhance health-related fitness. Students will learn how physical fitness and healthy living affect workplace performance and success.

WCC Articulation: Fire Science I – FSC 105 Basic Operations Firefighter Module A (4 credits); FSC 115 Basic Operations Firefighter Module B (4 credits), FSC 118 Basic Operations Firefighter Module C (4 credits) and FSC 217 Technical Rescue & Vehicle Operations (1 credit). Fire Science II – FSC 125 Advanced Technician Firefighter (4 credits), FSC 150 Vehicle Machinery Operations (3 credits), and FSC 120 Hazardous Materials Operations (3 credits).

WCC Dual Credit: Fire Science I – FSC 105 Basic Operations Firefighter Module A (4 credits); FSC 115 Basic Operations Firefighter Module B (4 credits), FSC 118 Basic Operations Firefighter Module C (4 credits) and FSC 217 Technical Rescue & Vehicle Operations (1 credit). Fire Science II – FSC 125 Advanced Technician Firefighter (4 credits), FSC 150 Vehicle Machinery Operations (3 credits), and FSC 120 Hazardous Materials Operations (3 credits).

Other Certifications: FI I - National Fallen Firefighters "Courage to be Safe" certification; FEMA NIMS (National Incident Management System) 100: Introduction to the Incident Command System; FEMA NIMS 700: National Incident Management System, An Introduction. FI II - CPR - Health Care Provider card; FEMA NIMS 200 ICS (Incident Command

System) for Single Resources and Initial Action Incidents. Once a student turns 18 and is on a fire department roster, they can take the Office of the State Fire Marshal exam for state certification.

Graphic Design

Offered Yearly

Credit(s): 3 credits = 2 semesters

Grade(s): 11, 12

Fee: Yes

Prerequisite(s): See course description

SIS #: 11154A001 (1st yr)

11154A002 (2nd yr)

Welcome to the world of Graphic Design! Everywhere you look, you see design ... and behind every design is someone like you! Come join us as we take a detailed tour through three of the key Adobe programs a graphic designer uses: InDesign, Illustrator and Photoshop. We'll learn how these programs work alone, and we'll also learn how they work together to create amazing pieces of art. Marketing and branding will be part of our journey, as we design for real-world clients in our local communities. We learn how to communicate with customers and develop excellent customer services skills. As part of our design team, you'll also work in our T-Shirt Shop designing and manufacturing apparel items. This class is mostly "hands-on." Students who are interested in taking this class should be comfortable on a computer and have a good eye for design and a desire to create ... and a good imagination is helpful too! Second year students of this class will not only become better at what they know, but they will have the opportunity to co-teach and provide one-on-one help for those new first year students. If you love design and you love a good challenge - then this is the class for you.

WCC Articulation: Graphic Design I or II – GRD 160 Computer Illustration (3 credits). Graphic Design II – GRD 170 Digital Image (3 credits)

Health Occupations

Offered Yearly

Credit(s): 3 credits = 2 semesters

Grade(s): 11, 12

Fee: Yes

Prerequisite(s): See course description

SIS #: 14002A002

Do you want a career in the medical field? Do you want to learn more about what careers are available? This course is for junior and senior students who are interested in exploring medical careers in an applied life science skill format. Students have the option of earning dual credit through WCC for COM 125 (Communication Strategies for Health Careers). The curriculum provides hands-on learning opportunities involving body systems and medical careers. Students will learn basic medical procedures associated with the health profession, including performing vital signs, injections and blood draws on a training arm. Students will also be able to job shadow at local medical facilities to see what a career in the medical field really entails. The students will learn CPR, along with basic first aid training. Students in this program are expected to participate in routine activities on a daily basis that involve physical movement and enhance health-related fitness. They will work cooperatively in groups demonstrating decision making, leadership skills and responsible behaviors. Students will learn how physical fitness and healthy living affect workplace performance and success.

WCC Articulation: HIT 105 Medical Terms for Health Occupations (1 credit)

WCC Dual Credit: COM 125 Communication Strategies For Health Careers (2 credits)

Other Certifications: CPR – Heartsaver card

Law Enforcement

Offered Yearly

Credit(s): 3 credits = 2 semesters

Grade(s): 11, 12

Fee: Yes

Prerequisite(s): See course description, recommended a B or higher in English

SIS #: 15051A003 (1st yr)
15051A004 (2nd yr)

Law Enforcement I – This course follows several college level courses and is designed to allow students to explore the various career choices within the criminal justice system, emphasizing work-related characteristics, job duties, employment potential, and career trends. It will cover the criminal justice system including an historical and philosophical overview of the development, with special emphasis on the system’s primary components and the relationship of these components in the administration of criminal justice in the US. Additional topics include law enforcement philosophies and theories, case and procedural law, community policing, the importance of written and verbal communication, ethical considerations, officer safety and criminal investigation. The student will be introduced to APA format of writing, preparing the student for college. Students will also be engaged with reading and writing assignments, including at least six research papers using Microsoft Word, orally present on various topics ranging from 1 to 15 minutes using Microsoft PowerPoint, and be able to engage in novel discussion groups.

Law Enforcement II – This course introduces students to the fundamentals of criminal investigation. Topics include an examination of the preliminary and follow-up investigation, crime scene search, and collection and preservation of evidence, interviewing witnesses and victims, interrogation of suspects, and rules governing the admissibility of evidence in court testimony are also covered. This course will also provide students with instruction and practice in the preparation of accurate police reports suitable for use in the courtroom. The development of a clear, concise, narrative writing style is emphasized, and weekly report writing exercises are critiqued. Students will be introduced to firearm safety, defensive tactics and physical training. Students will also be training Law Enforcement I students in various scenarios. Students may be subject to random drug testing.

Law Enforcement I & II - Field trips may include police departments, courtrooms, jails, police academies and other various criminal justice related locations. Students in this program are expected to participate in routine activities on a daily basis that foster the development of movement skills and enhance health-related fitness.

WCC Articulation: Law Enforcement I – CRJ 105 Patrol Operations (3 credits)

WCC Dual Credit: Law Enforcement I – CRJ 102 Criminal Justice Career Exploration (2 credits)

Sports Medicine

Offered Yearly

Credit(s): 3 credits = 2 semesters

Grade(s): 11, 12

Fee: Yes

Prerequisite(s): See course description, recommended a C or higher in Biology and genuine interest in science

SIS #: 14062A001

This course introduces students to professions in the Sports Medicine field, including Athletic Training, Physical Therapy, Personal Training, Coaching, Massage Therapy and the Fitness/Wellness Industry. The instructor is an Illinois licensed Certified Athletic Trainer with over 20 years experience in the field. Students in this program are expected to participate in routine activities on a daily basis that involve physical movement and enhance health-related fitness. They will work cooperatively in groups demonstrating decision making, leadership skills and responsible behaviors. Students will learn how physical fitness and healthy living affect performance and success.

Sports Medicine I: Focuses on the anatomy of the skeletal, muscular and nervous systems, injuries to those structures, basic treatment and rehabilitation protocols, concussion recognition and management and taping techniques. Students also follow the National Academy of Sports Medicine’s Certified Personal Trainer Curriculum. Students wishing to sit for the exam may do so after completion of this course (additional cost). First year students are required to perform 15

hours of professional job shadowing outside of regular class time.

Sports Medicine II: Students who have expressed a desire to continue their education in the Sports Medicine field after high school, and who have met all prerequisites have the opportunity to participate in IVVC's Sports Medicine internship program. Intern students spend two or three days/week at a professional site performing observation, and to some extent, participating in various tasks. Second year students assist the instructor with first year students, as well as manage class work with their internship schedule. Second year students wishing to intern should have excellent attendance and an A or B in Sports Medicine I. Intern students are required to furnish their own transportation to their job site.

WCC Dual Credit: Sports Medicine I – PED 150 Basic Prevention & Care of Athletic Injuries (3 credits)

Other certifications: Heartsaver card, NASM Certification

Welding & Fabrication

Offered Yearly

Credit(s): 3 credits = 2 semesters

Grade(s): 11, 12

Fee: Yes

Prerequisite(s): See course description

SIS #: 13207A001 (1st yr)

13207A002 (2nd yr)

This course is designed for students who are ready to challenge themselves and become the welders and metal fabricators of tomorrow. Various welding and cutting processes are taught throughout the year and students will demonstrate these skills through hands-on activities in the shop. Production strategies and lean manufacturing skills are demonstrated, giving the students a taste of the real-world and what makes a successful business. First year students are challenged in flat and horizontal welding positions while second year students learn how to weld in the vertical and overhead positions. Employability, which emphasizes their professional conduct, is a significant portion of the student's grade. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness.

WCC Articulation – Welding & Fabrication I & II – WLD 115 Oxy-Fuel Welding & Cutting (3 credits) and WLD 120 Shielded Metal Arc Welding I (3 credits)

KCC Dual Credit – WT 122 Shielding Metal Arc Welding (2 credits); and WT 126 Gas Metal & Flux Core Arc Weld (2 credits).

Other certification: SP2 & OSHA-10 (safety certification)

Graduation Requirements for the Class of 2021-2024

Credits which count toward graduation from the Somonauk High School begin accumulating during the ninth (9) grade with the exception that students enrolled in high school classes during the eighth (8) grade shall receive math credit for Algebra taken in the high school the 8th grade year. A student must meet the following requirements in grades nine (9) through twelve (12) in order to receive a diploma.

English	4.0	Credits
Social Studies	3.0	Credits (*)
Mathematics	3.0	Credits (**)
Science	3.0	Credits (***)
Consumer Education	0.5	Credit
P.E./Lifetime	3.5	Credits (****)
Health	0.5	Credits(****)
Fine Arts/ Vocational Ed	1.0	Credit (*****)
Technology	0.75	Credit (*****)
Electives	<u>5.75</u>	<u>Credits</u>
 TOTAL REQUIRED	 25.0	 Credits

() One credit must be U.S. History and half a credit must be Civics*

*(**) One credit must be Algebra I and one credit Geometry*

*(***) One credit must be Biology or Life/Physical Science*

*(****) Drivers Education Optional, PE/Lifetime Fitness must be taken every semester a student is not in Health, IVVC or junior/senior year participating in 3 varsity sports that school year.*

*(*****) One credit must be from Music, Art, Foreign Language or Career & Technical Education (IVVC, Agriculture, or Business)*

*(*****) Quarter of a credit must be Computer Applications*

A student must carry a full class load, which is a minimum of seven (7) classes per semester. Any deviation from this enrollment requirement must be recommended by the high school principal and /or the school counselor and approved by the superintendent of schools.

Every student is encouraged to include at least one semester of each of the following: speech, writing, and computers.

Students are encouraged to check with the school counselor for entrance requirements of a specific school, college or university that they desire to attend.

A student desiring to complete graduation requirements early must adhere to Board Policy, 6.302 - "Early Graduation".

ADOPTED: 4/15/91 AMENDED: 12/20/93, 06/20/94, 12/16/96, 09/06/05, 12/19/11

Sample 4-Year Plan

*Students are strongly advised to consider the following sequencing of courses as it applies to your graduation criteria and personal goals for post secondary options.

Freshman Year:

- 1-Algebra Methods or Elective
- 2-English I
- 3-Algebra I/Geometry/Advanced Geometry
- 4-World Geography/World History
- 5-Physical Education/Lifetime
- 6-Physical Science/Biology
- 7- Elective *Spanish *Band *Art *Ag *Computers *Driver Ed (if eligible)*Intro to Business

Sophomore Year:

- 1- Elective*Spanish *Band *Art *Ag *Computers *Accounting *Lifetime/PE
- 2-English II
- 3-Geometry/Advanced Geometry
- 4-Driver Ed-Career Ed-Health
- 5- Chemistry/Biology/Life Science
- 6-Elective*Spanish *Band *Art *Ag *Computers
- 7-Elective*Spanish *Band *Art *Ag *Computers

Junior Year:

- 1-English III /Honors English III
- 2-U.S. History/AP U.S. History
- 3-Algebra II/Honors Algebra II-Trigonometry
- 4-Science/Physics
- 5-Elective or IVVC *Science *Social Studies *Film *Speech
- 6-Elective or IVVC *Spanish *Band *Art *Ag *Computers
- 7-Elective or IVVC *Business

Senior Year:

- 1-English IV/AP Literature & Composition
- 2-Consumer Education/Social Studies half credit or elective
- 3-PE/Lifetime
- 4- Civics/Elective
- 5-Elective *Math
- 6- Elective or IVVC *Spanish *Band *Art *Ag *Computers
- 7- Elective *Science *Social Studies *Film *Speech

*Elective options. See CDG and course list for details.

SAT Prep Sites

www.khanacademy.org/test-prep/sat

<https://collegereadiness.collegeboard.org/sat/practice>

www.kaptest.com/sat

Other Helpful Websites

www.collegeboard.com (useful information about campus visits, college search process, P-SAT and SAT registration)

www.collegeview.com (includes college searches, financial aid, career planning, test information and student links)

www.campustours.com (virtual tours of college campuses)

www.bls.gov/oco (Employment and job information- includes job descriptions, salaries, and related majors)

www.ncaa.org (This is the National Collegiate Athletic Association's website. It includes statistics, divisions listed by sport (Division I, II, and III))

www.ncaa.org/student-athletes/future (for college-bound Division I & II athletes- this is the site where students register with the clearinghouse; includes initial eligibility and requirements)

www.mapping-your-future.org (information about higher education and career opportunities)

www.fafsa.ed.gov (free application for federal student aid, check application status)

www.fastweb.com (free scholarship search database)

www.careerandcolleges.com (free scholarship search)

Somonauk High School
Articulated Credit 2020-2021

Check Classes Taken	Somonauk High School	Waubensee Community College	Credits	Director Approval
	Computer Applications/Desktop Publishing (12005A001)	Comprehensive Word Processing (CIS 108)	3	
	Accounting (12104A001)	Introduction to Accounting (ACC 101)	3	

Check Classes Taken	Somonauk High School	Joliet Junior College	Credits	Director Approval
	Ag. Business Management (18201A001) and Ag Sales and Marketing (18202A001)-Somonauk	Special Topics in Agriculture (AGRI 299)	3	
	Introduction to Ag. Industry (18001A001) and Agricultural Mechanics (18401A001)	Introduction to Agriculture Mechanization (AGRI 150)	3	

Check Classes Taken	Indian Valley Vocational Center	Waubensee Community College	Credits	Director Approval
	Auto Body Repair I (20116A001) and Auto Body Repair II (20116A002)	Auto Body Repair (AB 115)	4	
	Automotive Technology II (20104A002)	Maintenance and Light Repair (AUT100)	2	
	Computer Technology I (10252A001)	Introduction to Windows (CIS105)	1	
	Early Childhood Development I (19054A001)	Career Explorations in Early Childhood (ECE102)	3	
	Early Childhood Development II (19055A001)	Introduction to Early Childhood Education (ECE101)	3	
	EMT – Basic (14055A001)	Emergency Medical Technician (EMT 120)	3	
	Fire Science I (15152A001) *If enrolled for dual credit do NOT apply for articulated credit	Basic Operations Firefighter Module A (FSC105) and Basic Operations Firefighter Module B (FSC115) and Basic Operations Firefighter Module C (FSC 118) and Technical Rescue and Vehicle Operations (FSC 215)	4 4 4 1	
	Fire Science II (15152A002) *If enrolled for dual credit do NOT apply for articulated credit	Hazardous Materials Operations (FS120) and Advanced Technician Firefighter (FSC125) and Vehicle and Machinery Operations (FSC150)	3 4 3	
	Graphic Design & Digital Tech I (1154A001) or Graphic Design & Digital Tech II (11154A002)	Computer Illustrator (GRD160)	3	
	Graphic Design & Digital Tech II (11154A002)	Digital Image (GRD170)	3	
	Health Occupations-Exploring Medical Careers (14002A002)	Medical Terms for Health Occupations (HIT105)	1	
	Health Occupations-Certified Nurse Assistant (14051A001)	Basic Nurse Assistant Training (NAS101)	7	
	Law Enforcement I or II (15051A003 or 004)	Criminal Justice Career Exploration (CRJ102)	2	
	Sports Medicine/Management	Basic Care and Prevention of Athletic Injuries (PED150)	3	
	Welding and Fabrication I (13207A001) and Welding and Fabrication II (13207A002)	Survey of Welding (WLD 100) Oxy-Fuel Welding & Cutting (WLD115) and Shielded Metal Arc Welding I (WLD120)	3 3 3	
Check Classes Taken	Indian Valley Vocational Center	Kishwaukee College	Credits	Director Approval
	Auto Tech I (47.0604)	Automotive Brake Systems AND Suspension, Alignment and Balance (AMT 110 and 120)	4 4	
	Auto Body I (47.0603)	Introduction to Collision Repair (CRT 111)	4	
	Auto Body II (47.6030)	Non-Structural Repairs (CRT 112)	4	
	Health Occupations – CAN (51.3902)	Basic Nurse Asst Training (NUR 100)	7	

	Early Childhood Development I (19054A001) and Early Childhood Development II (19055A001)	Foundations of Early Childhood Education (ECE 110)	3	
Check Classes Taken	Indian Valley Vocational Center	Joliet Junior College	Credits	Director Approval
	Culinary Arts II (16055A001)	Exploring the Hospitality Industry (HOSP 120)	3	

Courses Offered Form 2020-2021

The Courses Offered Form is a tool to use when completing your four year plan and your current year class selections. The form is a simple reminder of the courses offered at SHS in each academic area. This does not need to be turned in. It is to be used as a resource for student planning and course selection. Any student may see Mrs. Koontz for help with choosing classes. **Students should consult the Course Description Guide for course requirements.**

ENGLISH

- English I
- English II
- English III
- English IV
- English III Honors
- AP Lit & Composition
- Film Expression*
- Foundations of Literacy 1
- Foundations of Literacy 2

MATH

- Math Methods
- Algebra I
- Advanced Geometry
- Geometry
- Algebra II
- Algebra II S**
- Honors Algebra II/
Trigonometry
- College Prep Mathematics
- Pre Calculus
- A.P. Calculus
- AP Statistics

SCIENCE

- Life Science (2018-19)
- Physical Science (2019-20)
- Biology I
- Chemistry
- Anatomy & Physiology**
- Adv'd Chemistry
- Physics

SOCIAL SCIENCE

- World Geography
- World History
- U.S. History
- AP U.S. History
- Sociology* (2019-20)
- Psychology* (2018-2019)
- Current Events*
- Recent U.S. History*
- Civics*

MUSIC

- Band
- Chorus

PHYSICAL EDUCATION

- Lifetime Fitness Grades 9-12
- Sports Performance Training 10-12
- Health *
- Drivers Education*

SPANISH

- Spanish I
- Spanish II
- Spanish III
- Spanish IV

AGRICULTURE

- Intro. to Ag & Leadership
- Plant Science & Horticulture
- Food Science
- Animal Science
- Ag Mechanics
- Adv Ag Mechanics & Welding
- Vet Science
- Nat. Resource & Env Sci

BUSINESS AND TECHNOLOGY

- Accounting
- Accounting II
- Business Law*
- Sports Marketing*
- Intro to Business*
- Computer Applications*
- Web Pg & Interactive Media I*
- Video Production*
- Digital Design*
- Intro to Computer Science*
- VE

ART

- Fundamentals of Art & Design*
- 2D Art*
- 3D Art*

- Digital Design* (also found in Technology)
- AP Studio Art – 2D Design

IVVC (only grades 11 & 12)

- Auto Body Repair
- Auto Technology
- Certified Nurse Assistant
- Computer Technology
- Computer Programming
- Construction Trades
- Cosmetology
- Culinary Arts
- Early Childhood Development
- Emergency Medical Responder
- EMT Basic (senior only)
- Fire Science
- Graphic Design
- Health Occupations
- Law Enforcement
- Sports Medicine
- Welding and Fabrication

FUTURE TEACHER (grades 11&12)

- Future Teacher

REQUIRED COURSES

- Consumer Education*
- Health*

SPECIAL EDUCATION

- English
- Math
- Social Studies
- Science
- Vocational
- Computer Skills
- Study Skills

***Semester or quarter**