

District 202 High School Curriculum Guide

Dear District 202 High School Students and Families,

Welcome to high school in District 202. District 202 continues to grow – in numbers of students, schools and staff, and also in achievement and stature.

As a community, we have worked hard in recent years to create a world-class education system. We are committed to providing the resources and supports needed to ensure that each and every one of our students learns, grows and achieves to his or her maximum potential, both in school and after school.

In the past five years we have created a coordinated, articulated PreK-12 curriculum that seamlessly connects learning and teaching between levels and among each school.

We are working to create local assessments to ensure that our teaching helps every student to learn and achieve to his or her maximum potential.

And we continue to add more high-level classes, programs and supports at the high school level to ensure that all of our students can access and experience the challenge of a more rigorous curriculum.

District 202 has mastered the art of accommodating thousands of new children each year. But our highest and truest focus has always been, and will remain, the individual child.

We believe that every child who walks through our doors is a gift and an opportunity to improve our community through education. As high school students, you represent that gift and opportunity nearing maturity and completion and we wish you great success in your high school career.

But wishing is not good enough. We must aim high, and then do the work necessary to achieve our mutual goal of excellence in our schools. We promise to do our part, because we believe that all of our students can learn and do anything they set their minds to. Now, it's up to you. Together, we are making a very good school district even better. Together, we are preparing learners for the future.

Sincerely,
Dr. John Harper
Superintendent

Vision

We prepare learners for the future.

Mission

The mission of Plainfield Community Consolidated School District 202, the primary source of comprehensive, high-quality education in a trusting, supportive environment, is to develop at all levels responsible, successful citizens by providing an education, in cooperation with the home and the community, that fosters each individual's value, uniqueness and importance, and promotes life-long learning in an ever-changing society.

We believe:

- Education is a shared responsibility
- Everyone can learn
- Every individual needs love, respect and acceptance
- Schools and changing society affect one another
- Every individual has value and importance
- Success is necessary for everyone
- Learning is a life-long process
- The primary function of the school is to educate

District 202 Personnel

Board of Education

Stuart Bledsoe - President
Dave Obrzut - Vice President
Michael Kelly - Secretary
Roger Bonuchi
Eric Gallt
Michelle Smith
Rod Westfall

District 202 Administration

Dr. John Harper
Superintendent

Dr. Carmen Acevedo
Asst. Superintendent for Curriculum and Instruction

Glenn Wood
Director Curriculum and Instruction, High School

Curricular Policies and Procedures

This handbook provides descriptions of all courses and programs available in District 202 high schools. In order to plan a complete course of study for the next four years, students should study these pages carefully, confer with their parents, and strongly consider the advice of teachers and counselors.

Courses listed in this Curriculum Guide will be offered only if there is sufficient enrollment. District 202 Board of Education policy defines sufficient enrollment to be 15 students at the start of the school year. Course offerings may also be affected by the availability of staff as well as facilities. Also, it is expected that a student successfully completes a prerequisite before enrolling in a higher level sequenced course.

Students enrolled in Advanced Placement (AP) courses, who wish to obtain college credit, will be expected to pay for and take the AP exam in May. All other students in AP courses are required to take a retired AP exam at the end of the year for no cost and no opportunity for college credit.

Course Load

All freshmen and sophomore students must register for a minimum of 6.0 credits each year. Students at the junior and senior level must register for a minimum of 5.0 credits.

Schedule Change

Every year a new master schedule is created in an effort to accommodate the course requests of all students. After analyzing the students' requests, the administration develops a plan for staffing courses as well as purchasing equipment and supplies for the following year. Therefore, course request changes will not be made after the last day of school from the previous school year.

A student who withdraws from a course after 15 days will incur a Withdraw Failure (WF) grade and will be placed in a study hall. If a student is enrolled in a dual credit course and withdraws from the course, a WF grade will be listed on both their high school and Joliet Junior College transcript. Also, a student's WF grade will be calculated in the same manner as a failure for the purpose of establishing a cumulative grade point average.

Curricular Policies and Procedures

District 202 students must complete the required courses as well as a total of 21 credits.

Content Area	District 202 Graduation Requirements	Recommended High School Coursework for Illinois College Admission 6		
Department	Credits Required	Illinois State University	University of Illinois- Chicago	University of Illinois- Champaign
English	4	4	4	4
Mathematics 1	3	3	3	4
Science 5	3 5	2	3	4
Social Science	2	2	3	4
A. U.S. History / AP U.S. History	1 .5			
B. Government 2 / AP U.S. Government 2	.5			
C. Elective				
Consumer Education	.5	X	X	X
A. Economics 3	.5			
B. Orientation to Business 3	.5 1			
C. Work Internship Class 3	1			
D. Special Education Vocational Co-Op Class 3	.5			
E. AP Microeconomics 3	.5			
F. Consumer Education 3	.5			
Art, Career and Technical Education, Music, or World Language	1	2-WL	2- WL	4 – WL
Physical Education	4*	X	X	X
A. Health	.5			
B. Drivers Education 4	.5			
Elective	3.5	2	1	2
TOTAL CREDITS	21	See Below 6		

1. Students are required to take Algebra 1, Geometry, and Algebra 2 or the approved equivalent.
2. Students are required to pass the U.S. Constitution, Illinois Constitution, and Flag Code exam.
3. Meets the Consumer Education credit requirement.
4. *The Driver Education requirement may be satisfied by completing a course with a state certified commercial driving school or the completion of Driver Education. Students MUST still complete 4 credits of Physical Education. Students who elect to take the Driver Education course must pass 8 courses in the previous 2 semesters and be at least 15 years of age to be eligible for the Driver Education course. * See P.E. Exemptions for Board approved guidelines.*
5. Students are required to take Biology, Chemistry, and Physics or the approved equivalent.
6. Check college catalogues and websites for specific requirements for admission.

Curricular Policies and Procedures

College Entrance Recommendation

It is important to emphasize that the graduation requirements listed previously represent the minimum program of studies for Plainfield students. Colleges prefer a traditional preparatory curriculum and look favorably on enrichment courses that supplement a strong academic program. Students and parents are encouraged to consider college admission requirements as early as possible. While there is no single set of requirements that will ensure acceptance into all colleges and universities, a balanced program is recommended.

Many colleges are currently revising their admission requirements to include additional, specific courses. Therefore, students should plan to fulfill more than the minimum entrance requirements for the colleges of their choice.

Transfer Students

The credits of students who transfer to District 202 from schools that are accredited by the North Central Association or comparable associations are honored. Credits for any classes that are not offered in the District 202 curriculum are evaluated by the Associate Principal for Student Services at each building.

Correspondence Credits

This option is limited to students who are enrolled in six courses or are not on schedule to graduate in time. A maximum of two correspondence credits may be taken to meet graduation requirements, unless the building principal grants an exception. The grades earned in any correspondence course will not count toward the student's overall GPA. Students need to meet with a counselor prior to enrolling in any correspondence course.

Dual Credit

District 202 has entered into a cooperative agreement with Joliet Junior College (JJC) to offer dual credit coursework at each of its high schools. Students who complete courses offered through this agreement receive both high school credit toward graduation and college credit. **Students also need to pass the COMPASS for core subjects such as Rhetoric. Students must work closely with a counselor to ensure that all JJC requirements are met.** A District 202 faculty member will teach the dual credit course(s). Interested students should contact their counselors for additional information.

Curricular Policies and Procedures

Grade Point Average (GPA) and Rank in Class (RIC)

A student's Grade Point Average (GPA) - used to determine Rank in Class (RIC) - is computed on a 5-point scale.

A = 5.00 B = 4.00 C = 3.00 D = 2.00 F = 1.00

Weighted grades are used in advanced and honors courses. Students earning A, B or C semester grades in these courses will receive grade points of 6.1, 5.1 or 4.1, respectively, rather than the normal 5.0, 4.0 or 3.0 points awarded in non-weighted courses.

Grading Procedures

Semester grades are cumulative, and progress reports are distributed every six weeks. Grades are computed in the following manner:

- A = Outstanding academic achievement
- B = Above-average academic achievement
- C = Average academic achievement
- D = Below-average academic achievement (minimum passing grade for which high school credit is granted)
- F = Unsatisfactory academic achievement. No credit is given for courses in which a student has earned this grade.
- M = An incomplete semester grade. This grade is given only to students who have had extensive absences due to hospitalization, illness or other extreme circumstances. Incomplete semester grades will convert to an "F" if they are not made up within the subsequent six-week period.
- WP = Withdrawal from a course without a grade penalty. This mark will not affect a student's grade point average or class rank.
- WF = Withdrawal from a course with a grade penalty. This grade is considered an "F" when calculating a student's grade point average or class rank.

The following grading scale is a guideline used by teachers:

A = 90-100 B = 80-89 C = 70-79 D = 60-69 F = 0-59

Honor Roll

Honor Roll is determined at the end of each semester. In order to achieve this recognition, a student must earn a semester GPA of at least 4.00, with no grades of D or M. Students' names are placed on the High Honor Roll if their semester grade point average is 5.000 or better.

Early Graduation

Students are able to graduate early from high school if they complete all graduation requirements per School Board Policy 6:300. To graduate early, students must notify their counselor one year prior to their graduation and complete an early graduation petition.

NCAA Initial Eligibility Requirements

For students who wish to participate in athletics at NCAA Division I or II universities or colleges, there are specific standards that must be met in high school. Students should consult the NCAA Clearinghouse website for specific details. Contact information: www.ncaaclearinghouse.net or 1-877-262-1492.

Curricular Policies and Procedures

Physical Education Exemptions

A student in grades 11-12 may request the Building Principal to be excused from physical education courses for the following reasons:

1. Ongoing participation in an interscholastic athletic program;
2. Enrollment in academic classes that are required for admission to an institution of higher learning*;
3. Enrollment in academic classes that are required for graduation from high school, provided that failure to take such classes will result in the pupil being unable to graduate; or
4. Enrollment in a band program for credit.

*Unless a student can show that the college of his or her choice *expressly* requires a specific advanced placement class or a required number of advanced placement classes for admission to its institution, the School Code does not authorize a board of education to excuse a student from physical education for the purpose of taking an advanced placement class.

Students must submit such requests in writing with as much specificity as possible. Principals shall maintain records showing that they applied the stated criteria to the student's individual circumstances. Unique situations falling outside the stated criteria will be examined on an individual basis by the Building Principal.

Physical Examination Requirements

Per the requirements cited in the *School Code of Illinois*, a physical examination by a licensed physician is required of every student entering ninth grade and every student entering an Illinois public high school for the first time. The required school physical may be used to satisfy the Illinois High School Association (IHSA) requirement that every student have a satisfactory physical to participate in an interscholastic sports program.

Please note that no incoming freshman or new student will be allowed to register without a fully completed physical examination. The form may be mailed to the student's school or it may be brought to school on the day of a student's registration. The Board of Education will allow a period of time for a transfer student to complete this requirement. A transfer from within the boundaries of Illinois will have 45 days to complete this requirement, while a transfer from outside the boundaries of Illinois will be allowed 90 days to fulfill this requirement.

Wilco Area Career Center

Juniors and seniors may enroll in programs at the Wilco Area Career Center, located in Romeoville. Wilco's programs are designed to offer students career-based courses that provide skills required for employment upon completion. Students attend one of three daily sessions and their home school schedules courses. Some programs or levels may not be available each session.

Wilco Session Schedule:

- Session 1: 7:50 a.m. - 9:50 a.m.
- Session 2: 9:55 a.m. - 11:55 a.m.
- Session 3: 12:26 p.m. - 2:26 p.m.

Career & Technical Education - Business

Accounting

Grade Open To: 10-11- 12

Term: 1 & 2

Credit: 1.0 (Regional ID# 2001)

Prerequisite: None

Fees: Students are required to purchase workbook and simulation.

Description: Students learn accounting principles and concepts as applied to small businesses. Students will perform activities related to general accounting principles and the accounting cycle. Students will analyze transactions and prepare accounting documents and reports for businesses organized as proprietorships, partnerships, and corporations. This is a good background course for the following college majors: accounting, business administration, finance, economics, marketing, computer science, hotel and restaurant management, and agriculture.

Advanced Accounting

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0 (Regional ID# B2011)

Prerequisite: Accounting 1

Fees: Students are required to purchase workbook.

Description: This course is designed to assist students who are interested in attending a school of business at the college level. It is also intended to provide students with entry-level skills and knowledge in the event they wish to enter the business world. Students will perform advanced accounting procedures for different types of corporate departmental structures. Students will complete automated activities as they analyze transactions and prepare accounting documents and reports.

Business Communications

Grade Open To: 12

Term: 1 or 2

Credit: 0.5 (Regional ID# B260.5)

Prerequisite: Introduction to Computer Technology and successful completion of English 9, 10 and 11

Description: Application of written and oral communication skills are emphasized in this course. Through the use of word processing and multimedia presentation software, students develop a solid base in composing multiple business documents and developing informative business presentations. Skills in listening, interpersonal communication and interviewing are emphasized. Employability skills – those basic skills necessary for getting, keeping, and doing well on a job – are stressed.

Business Law/Management

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5 (Regional ID# B2101)

Prerequisite: None

Description: The course covers the law as it generally relates to society, and then specifically as it relates to the citizens, the minor and the consumer. There is an in-depth study of the principles of law as they relate to contracts. Insurance, employment contracts, government regulations of employment and employee and employer rights are also covered in this course. This course offers students the potential for becoming responsible citizens, and it teaches them rules to follow in their business and personal lives.

Computer Applications

Grade Open To: 9-10-11-12

Term: 1 or 2

Credit: 0.5 (Regional ID #B120.5)

Prerequisite: Introduction to Computer Technology

Description: This course is designed to provide students with hands-on experience with personal computers. The student gains knowledge of computer technology through use of Microsoft Office. Students learn Word, Excel, Power Point, and Access and develop the knowledge and skills necessary to apply learning in personal and/or business applications. These programs are beneficial in students' daily lives and in a variety of careers.

Career & Technical Education - Business

Consumer Education*

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Students who have successfully completed Orientation to Business are **not eligible** for this course.

Fees: Students are required to purchase workbook.

Description: This course is designed to give students a general knowledge of managing personal economics. It includes curriculum related to finding and purchasing a vehicle, housing, budgeting, interviewing, sales, credit and banking and investing. (*This course may be used to meet the consumer education requirement for graduation.)

Desktop Publishing for Marketing and Advertising

Grade Open To: 10-11-12

Term: 1 or 2

Credit: 0.5 (Regional ID# 260.5)

Prerequisite: Introduction to Computer Technology

Description: Desktop publishing is the process of using specific types of computer software to combine text and graphics to produce professional-looking documents. This project-oriented course is designed to provide students with the ability to create a variety of documents, including newsletters, flyers, brochures, and a binding project using advanced concepts and software. Students learn how to plan and design documents with watermarks, borders, AutoShapes, text boxes, WordArt, graphics, bullets, and more. Effective use of colors, fonts, and special effects is emphasized. Software introduced is state of the art and continually changing.

Entrepreneurship

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5 (Regional ID# B2101)

Prerequisite: None

Description: Students will demonstrate the knowledge required to run a small business by examining the procedures and skills necessary to open and maintain a successful small business venture. Students will analyze and produce a business plan and will design, manage and market their own business.

Game Design

Grade Open To: 10-11-12

Term: 1 or 2

Credit: 0.5 (Regional ID# B280.5)

Prerequisite: None

Description: This course is designed to provide students with the working knowledge and technical skills required to plan design and implement a complete three-dimensional video game. This course covers the applied techniques of 2D and 3D animation and rendering. Students learn the applied concepts and techniques of modeling with modification techniques that use the materials editor, special effects lighting, geometric modifiers, key framing and tracking to derive practical animation solutions to complex animated effects. Any games created are the sole ownership of District 202. The final result of the class will be the students constructing an educational game using a game engine.

(Students/Guardian will be required to sign a disclaimer form as part of the class.)

Career & Technical Education - Business

Introduction to Computer Technology

Grade Open To: 9-10-11-12

Term: 1 or 2

Credit: 0.5 (Regional ID# B110.5)

Prerequisite: None

Description: This course is designed to teach students the touch typing method of the alpha/numeric keyboard on the personal computer, with an emphasis on proper keying techniques and proofreading/editing skills. Students will develop speed and accuracy while producing and editing properly formatted documents utilizing the appropriate software applications. Students also gain knowledge of Microsoft Word. Basic word processing is introduced. Students key academic reports, personal letters, tables, and a capstone project in Microsoft Word. The development of employability skills is included in the course. This course is required before entry into other business computer classes.

Orientation to Business*

Grade Open To: 9-10

Term: 1 or 2

Credit: 0.5 (Regional ID# B100.5)

Prerequisite: None

Description: In today's increasingly complex society, everyone needs an understanding of the business world. This is true not only of the person who intends to enter the business world in order to make a living, but of each person who will buy and use the goods and services that businesses have to offer. Nine weeks of this course consists of a program in consumer education, which will include the following topics: the individual consumer in the marketplace, money management, consumer credit, human services-housing, food, transportation, clothing, health services, drugs and cosmetics, recreation, furnishings and appliances, insurance, savings and investments, taxes and the consumer in our economy. Other topics include banking services, the stock market, basic marketing principles and career investigation.

(*This course can be used to meet the consumer education requirement for graduation.)

Sports and Entertainment Marketing and Advertising

Grade Open To: 10-11-12

Term: 1 or 2

Credit: 0.5 (Regional ID# B270.5)

Prerequisite: None

Description: This course focuses on marketing and advertising products to the consumer. Content is based on real world examples in sports, entertainment and advertising. Topics covered include marketing research, product planning, purchasing, distribution, pricing, promotion, and advertising in relation to sports and entertainment.

Work Internship (WI)*

Grade Open To: 12

Term: 1 & 2

Credit: 3.0 (1 for class/2 for work)

Prerequisite/Grade Recommendation: Departmental application

(Regional ID# AL232)

Fees: Students are required to purchase workbook.

Description: This is a cooperative work-training program designed to provide vocational training and technology preparation for an occupation on a part-time basis. Students must have career objectives related to retail, office, trade and industrial, health, family and consumer sciences or agriculture. Students are enrolled in four school classes, including one related WI class. Emphasis is placed on the work experience rather than the earnings. Each training station must be approved and provide each student with a minimum of 15 hours of work per week. The student must provide his/her own transportation and have parental approval for acceptance into the program. The program is applicable for those wanting to attend college as well as those wanting full-time employment following graduation.

(*This course can be used to meet the consumer education requirement for graduation).

Career & Technical Education - Family/Consumer Science

Child Development

Grade Open To: 9-10-11-12

Term: 1 or 2

Credit: 0.5 (Regional ID# H105)

Prerequisite: None

Fees: Students are required to purchase workbook.

Description: This course is designed to provide instruction and skill development in the understanding of the growth and development of a child from prenatal stages through early childhood. The well-being of children is studied from the many aspects of child development (physical, social, emotional and intellectual). This course prepares students for the Child Development Preschool. The course meets a need for the student who wishes to prepare for work in the field of childcare services, education or social work. The development of employability skills, transition skills and vocational ethics is included in the course.

Advanced Child Development I with Pre-school Lab

Grade Open To: 10-11-12

Term: 1 or 2

Credit: 0.5 (Regional ID# H212)

Prerequisite: Child Development

Fees: Students are required to purchase workbook.

Description: This course provides advanced learning experience to gain further knowledge and understanding of the intellectual, physical, social and emotional development of children through activities implemented in the high school preschool for three and four-year-olds. Students will begin their lesson plan portfolios. The development of employability skills, transition skills and vocational ethics is included in the course.

Advanced Child Development II with Pre-school Lab

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5 (Regional ID#H222)

Prerequisite: Advanced Child Development I

Fees: Students are required to purchase workbook. *

Description: This course will continue to enhance the Advanced Child Development II portfolio with the addition of preschool observations, lesson plans, and a resume. In addition, the students in the course may work towards obtaining their Child Development Associate credential.

* (No additional fee if student possesses workbook from Advanced Child Development 1)

Clothing, Textiles and Fashion I

Grade Open To: 9-10-11-12

Term: 1 or 2

Credit: 0.5 (Regional ID# H103)

Prerequisite: None

Fees: Students are required to purchase fabric, and other items for projects

Description: This course teaches the use and care of sewing equipment and introduces the student to the world of textiles. Other areas of study include color and design in clothing, personal appearance, wardrobe planning and consumer awareness in the fashion marketplace. The student constructs a variety of garments using basic techniques needed to do home sewing, and develops the skill needed to qualify for clothing related careers. The development of employability skills, transition skills and vocational ethics is included in the course.

Career & Technical Education - Family/Consumer Science

Clothing, Textiles and Fashion II

Grade Open To: 9-10-11-12

Term: 2

Credit: 0.5 (Regional ID# H104)

Prerequisite: Clothing, Textiles and Fashion I

Fees: Students are required to purchase fabric and other items for projects

Description: This course is devoted to increasing the level of knowledge and skills of students as they construct, purchase, care for and work with clothing, accessories and textiles. Additionally, the ways in which personal and fashion aspects interact with the market are explored in this course. Areas of emphasis for this course include: career opportunities in clothing, accessories and textile product fields, fibers and fabrics, color, line and design in fashion, clothing selection based on needs, consumer information on clothing purchases, clothing maintenance and care, sewing and other construction skills, and merchandising clothing. The development of employability skills, transition skills and vocational ethics is included in the course.

Foods and Nutrition I

Grade Open To: 9-10-11-12

Term: 1 or 2

Credit: 0.5 (Regional ID# H101)

Prerequisite: None

Fees: Students are required to purchase workbook.

Description: This course includes basic classroom and laboratory experiences needed to develop knowledge and understanding of basic food principles and applied nutrition for people of all ages. The course content centers around the following duty areas: promoting food service and preparation management using the decision-making process; meeting basic needs by applying nutrition concepts; meeting health and safety needs in planning, preparing and serving food; maximizing resources when planning, preparing and serving food; promoting hospitality in food practices; and analyzing individual and family nutritional needs in relation to change. The development of employability skills, transition skills and vocational ethics is included in the course.

Foods and Nutrition II

Grade Open To: 9-10-11-12

Term: 1 or 2

Credit: 0.5 (Regional ID# H102)

Prerequisite: Foods and Nutrition I

Fees: Students are required to purchase workbook. *

Description: In this second introductory course, more attention is paid to food selection and preparation for special circumstances and dietary needs. Laboratory activities are devoted to preparation of foods with specific characteristics. The course includes the following major units: careers in food service and human nutrition, influence on food customs, diet and health practices, current nutritional issues, safety of food preparation, storage, food purchasing, and food-borne illness. The development of employability skills, transition skills and vocational ethics is included in the course. * (No additional workbook fee if student possesses workbook from Foods I)

Foods & Nutrition III

Grade Open To: 10-11-12

Term: 1 or 2

Credit: 0.5 (Regional ID# H224)

Prerequisite: Completion of Foods & Nutrition I and II

Fees: Students are required to purchase workbook.

Description: This course deals with skills needed for advanced food preparation. Included are cake and food decoration, garnishing, food technology and catering special occasions. This course focuses on current trends in food selection, preparation and service. Regional, foreign and gourmet cooking are included in the course. The development of employability skills, transition skills and vocational ethics is included in the course.

Career & Technical Education - Family/Consumer Science

Introduction to Clothing and Fashion

Grade Open To: 10-11-12

Term: 1 or 2

Credit: 0.5 (Regional ID# H227)

Prerequisite: None

Fees: Students are required to purchase fabric and other items for projects

Description: This class introduces the student to the principles of design in relation to both the fashion and interior design industry. Design components, color theory, textiles, fashion and design history, along with identifying and evaluating industry trends will be covered. Students will apply curriculum knowledge by creating a portfolio emphasizing either interior or fashion design.

Nutrition and Wellness

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5 (Regional ID# H223)

Prerequisite/Grade Recommendation: None (Foods and Nutrition I and II recommended)

Fees: Students are required to purchase workbook.

Description: This is an integrated class between the Physical Education Department and the Family and Consumer Science Departments. The curriculum is a two-part integrated course in which students will be able to understand the nutritional value of food and participate in various fitness and stress management activities to develop a total wellness approach to health. Students alternate between the wellness segment and the nutritional segment. The course is team-taught. A student may receive credit for either Family and Consumer Science or Physical Education, but not both. The course may not be repeated. Students are required to have a P.E. uniform and a school approved lock.

Parenting

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5 (Regional ID# H202)

Prerequisite: None

Fees: Students are required to purchase workbook.

Description: This course is designed to help students think through the responsibilities, satisfactions and stresses of parenthood. Many types of parenting situations will be examined. Stress prevention and management and the work of community agencies that help parents deal with various types of parenting crises are emphasized. The course content includes the following duty areas: managing and organizing parenting by applying decision-making and goal-setting skills; applying the basic principles of the parenting process; practicing health and safety standards as related to parenting; providing experiences that encourage parents and children to maximize resources; encouraging human relations skills in children/adolescents; and evaluating impact of family and career changes on parenting. Special attention is given to the importance of readiness for parenthood. The development of employability skills, transition skills and vocational ethics is included in the course.

Work Internship (WI)*

Grade Open To: 12

Term: 1 & 2

Credit: 3.0 (1 for class/2 for work)

Prerequisite/Grade Recommendation: Departmental application

(Regional ID# AL232)

Fees: Students are required to purchase workbook.

Description: This is a cooperative work-training program designed to provide vocational training and technology preparation for an occupation on a part-time basis. Students must have career objectives related to retail, office, trade and industrial, health, family and consumer sciences or agriculture. Students are enrolled in four school classes, including one related WI class. Emphasis is placed on the work experience rather than the earnings. Each training station must be approved and provide each student with a minimum of 15 hours of work per week. The student must provide his/her own transportation and have parental approval for acceptance into the program. The program is applicable for those wanting to attend college as well as those wanting full-time employment following graduation. (*This course can be used to meet the consumer education requirement for graduation.)

Career & Technical Education - Industrial Technology

Architectural CAD I

Grade Open To: 9-10-11-12

Term: 1 or 2

Credit: 0.5 (Regional ID# I287)

Prerequisite: Technical CAD

Description: Students will become familiar with fundamental architectural design principles and styles. Students will learn how residential structures are taken from a concept to a physical reality. Using AutoCAD and Architectural Desktop software, students produce floor plans, elevations, and wall sections. New construction versus remodeling is covered. Computer Assisted Drafting (CAD) is used for all drafting. This class is required for Architectural CAD II. This is a good background course for design, architecture, and engineering college majors.

Architectural CAD II

Grade Open To: 10-11-12

Term: 1 or 2

Credit: 0.5 (Regional ID# I288)

Prerequisite: Architectural CAD I

Description: Students will become familiar with building codes, area planning, specifications, building details, schedules, costs, and designs. Students will design a home of their own choice, drawing all necessary plans including: floor, elevations, plot, foundation, stair detail, roof layout, window and door schedules, and interior details. Architectural Desktop (CAD) is used for all drafting. This is a good background course for design, architecture, and engineering college majors.

3D CAD/Solid Modeling

Grade Open To: 10-11-12

Term: 1 or 2

Credit: 0.5 (Regional ID# I223)

Prerequisite: Technical CAD I

Description: Students will learn advanced AutoCAD software and techniques to produce three-dimensional solids. Emphasis will be on creating and rendering 3-D shapes by using primitives and extruding. Modifying and editing commands will be introduced as well dimensioning and printing. This is a good background course for any student interested in a career in design and/or engineering.

Engineering CAD

Grade Open To: 10-11-12

Term: 1 or 2

Credit: 0.5 (Regional ID# I230)

Prerequisite: 3D CAD/Solid Modeling

Description: Demonstration of basic and advanced Inventor knowledge and technique to produce 3-D parts, models, assemblies, and drawings will be emphasized in this course. Autodesk Inventor software will be used. Students will use commands to construct various types of 3-D drawings. Editing, modifying, dimensioning, and printing will be emphasized.

CAD Studio

Grade Open To: 10-11-12

Term: 1 or 2

Credit: 0.5 (Regional ID# I283)

Prerequisite: Architectural CAD II or Inventor

Description: Students will research, design, and develop an extensive culminating project relying on their previous CAD training in either Architectural CAD II or Engineering CAD. Student will periodically evaluate project status, make appropriate modifications, and document project from beginning to completion. Upon completion of project, student will make a presentation to the instructor and class.

Career & Technical Education - Industrial Technology

Introduction to Industrial Technology

Grade Open To: 9-10

Term: 1 & 2

Credit: 1.0

(Regional ID# I100)

Prerequisite: None

Description: A modular-style laboratory enables students, working in teams, to explore several technological content areas. Some of the technologies covered are computer-aided drafting, computer-assisted manufacturing, multimedia video production and construction. Instruction is delivered via interactive computer programs. Activities are included to reinforce each workstation's subject matter.

Technical CAD

Grade Open To: 9-10-11-12

Term: 1 or 2

Credit: 0.5

(Regional ID# I114)

Prerequisite: None

Description: Students will be introduced to the fundamentals of the AutoCAD computer aided drafting and design software. Students will learn how to construct, edit, dimension, scale, and print various types of technical drawings. These include geometric, orthographic, multi-view, sectional view, and three-dimensional and isometric drawings. This class is required for enrollment in Architectural CAD I and 3D CAD/Solid Modeling. This is a good background course for any student interested in a career design, architecture, and/or engineering.

Work Internship (WI)*

Grade Open To: 12

Term: 1 & 2

Credit: 3.0 (1 for class/2 for work)

Prerequisite/Grade Recommendation: Departmental application

(Regional ID# AL232)

Fees: Students are required to purchase workbook.

Description: This is a cooperative work-training program designed to provide vocational training and technology preparation for an occupation on a part-time basis. Students must have career objectives related to retail, office, trade and industrial, health, family and consumer sciences or agriculture. Students are enrolled in four school classes, including one related WI class. Emphasis is placed on the work experience rather than the earnings. Each training station must be approved and provide each student with a minimum of 15 hours of work per week. The student must provide his/her own transportation and have parental approval for acceptance into the program. The program is applicable for those wanting to attend college as well as those wanting full-time employment following graduation. (***This course can be used to meet the consumer education requirement for graduation**).

English

American Literature I

Grade Open To: 11

Term: 1

Credit: 0.5

Prerequisite: None

Fees: Cost of required paperback books

Description: This course is designed for juniors with strong oral and written communication skills who are planning to attend college. Selected readings in American Literature, from the Colonial Period through the Civil War era, will be studied in historical as well as thematic context. Vocabulary study will be drawn from the readings, and students will respond to the literature through class and small group discussions and activities. Students will write essays based on their responses to and/or critical analyses of the readings. Rhetorical strategies, grammar, usage, and mechanics will be studied as they relate to growth in critical thinking and in writing style and correctness.

American Literature II

Grade Open To: 11

Term: 2

Credit: 0.5

Prerequisite: None

Fees: Cost of required paperback books

Description: This course is designed for juniors with strong oral and written communication skills who are planning to attend college. Selected readings in American Literature, from the Civil War era to modern times, will be studied in an historical as well as thematic context. Vocabulary study will be drawn from the readings, and students will respond to the literature through class and small group discussions and activities. Students will also write essays based on their responses to and/or critical analyses of the readings. Rhetorical strategies grammar, usage, and mechanics will be studied as they relate to growth in critical thinking and in writing style and correctness. Students will complete a research project using MLA guidelines.

Contemporary Literature and Composition I

Grade Open To: 12

Term: 1

Credit: 0.5

Prerequisite: A required junior English course

Fees: Cost of required paperback books

Description: This semester-long course will offer writing experiences, including research, coupled with a chronological literature base that will make the student more culturally literate through a diverse array of literature, including multi-cultural literature, from the earlier half of the modern canon. This course will create culturally aware students prepared for the multitude of experiences awaiting them in the college classroom, both academically and socially, as well as for experiences outside of the classroom.

Contemporary Literature and Composition II

Grade Open To: 12

Term: 2

Credit: 0.5

Prerequisite: A required junior English course

Fees: Cost of required paperback books

Description: This semester-long course will offer writing experiences, including research, coupled with a chronological literature base that will make the student more culturally literate through a diverse array of literature, including multi-cultural literature, from the latter half of the modern canon. This course will create culturally aware students prepared for the multitude of experiences awaiting them in the college classroom, both academically and socially, as well as for the experiences outside of the classroom.

English

Creative Writing

Grade Open To: 10-11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

Description: This course is designed for students who have above-average language skills and wish to study and write short stories, poems, plays, and other forms of creative expression. Students are required to write daily and produce a portfolio of completed work during the semester. In addition, students are required to submit writings for publication and orally present various writings to the class. *This course may be taken for elective credit only and does not count toward English credit for graduation.*

English 9

Grade Open To: 9

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Fees: Cost of required paperback books

Description: This course is designed to provide freshmen with an overview of various literary genres. Students read selected short stories, poems, plays, a novel, and an epic. They learn to appreciate the distinctive qualities that each genre possesses. Grammar study emphasizes elimination of usage and mechanical errors in their writing. To develop their skills in composition, students write a variety of compositions, including paragraphs, multi-paragraph essays, and a research project. Vocabulary development is based on the literary selections.

English 9 Honors

Grade Open To: 9

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Fees: Cost of required paperback books

Description: This course is available to freshmen with superior ability in reading and language arts. Included in this intensive year-long program is the study of genres – including short stories, drama and poetry – as well as select units in grammar and usage. Novel study further advances literary, analytical, and interpretive skills. Special units in reference (research paper required), mythology, and vocabulary building are the main components of this advanced course. **This course carries a weighted grade.** *This course requires summer reading. Please refer to your school's web site for more information.*

English 10

Grade Open To: 10

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Fees: Cost of required paperback books

Description: This course is intended to advance students' organizational, reading, writing, speaking, listening, and critical thinking skills. Student writing includes journal response and interpretive, expository, persuasive, narrative essays, and historical research. The literature features fiction, plays, and autobiographical and biographical readings. Emphasis is placed on meeting state learning standards in English and on improving writing, speaking, and listening skills. This course enables students to interact with their classmates and to express themselves creatively, as well as factually, in both written and oral communication. Particular emphasis is placed on preparing students to take the PS&E reading and writing tests.

English

English 10 Honors

Grade Open To: 10

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Fees: Cost of required paperback books

Description: This advanced-level course is for students who have demonstrated exceptional reading and writing skills during their English 9 coursework. Students study a variety of themes in literature through the study of the works of American authors. Writing assignments and vocabulary development are based on the literature studied. Particular emphasis is placed on preparing students to take the PSAE reading and writing tests. **This course carries a weighted grade. This course requires summer reading. Please refer to your school's web site for more information.**

AP English: Language and Composition

Grade Open To: 11 or 12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Fees: The cost of required paperback books

Description: This course is designed to develop students' abilities in using grammatical conventions appropriately and to advance stylistic maturity in their prose writing. Further, this course will advance the reading and critical analytical skills through a variety of contexts, periods, and disciplines. Students will prepare for the Advanced Placement Language and Composition Examination through reading, discussion, analysis, and practice testing. The writing component of this college level course includes expository, analytical, and argumentative writing. Students perform college level work and are expected to take the Advanced Placement Language Composition exam. **This course carries a weighted grade. This course requires summer reading. Please refer to your school's web site for more information.**

AP English: Literature and Composition

Grade Open To: 12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Fees: Cost of required paperback books

Description: This course consists of a study of great works of literature on a thematic basis: the themes of good and evil, love and hate, happiness and duty, and liberty and security will be the focus for the literature. The composition component will continue to develop the compositional patterns begun in the earlier honors coursework. This is the most rigorous course in the English curriculum and is equivalent to most college freshman courses. Students perform college level work and are expected to take the Advanced Placement Literature and Composition exam. **This course carries a weighted grade. This course also requires summer reading. Please refer to your school's web site for more information.**

English

English Literature I

Grade Open To: 11

Term: 1

Credit: 0.5

Prerequisite: None

Fees: Cost of selected paperback books

Description: This course is presented within an historical context. Beginning with the Anglo-Saxon writings, students learn about the progression of English literature from its earliest stages through the 17th Century. Selected authors and works from the Anglo-Saxon, Medieval, Renaissance, and 17th Century periods are noted. Important developments in the English language are reviewed. Generally, the course is designed to give students a broader sense of the development of literature as a foundation for further study at the college level. The course is highly recommended for students planning to attend college.

English Literature II

Grade Open To: 11

Term: 2

Credit: 0.5

Prerequisite: None

Fees: Cost of selected paperback books

Description: This course explores the periods of English literature from the Restoration to the present in an historical context. Selected authors and works from the Restoration, 18th Century, Romantic, Victorian, and Modern/Contemporary periods are discussed, and the historical significance of these eras is noted. Important developments in the English language are reviewed. Generally, the course is designed to give students a broader sense of the development of literature as a foundation for further study at the college level. The course is highly recommended for students planning to attend college.

Journalism I: Advanced Writing

Grade Open To: 10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Fees: Cost of newspaper subscription

Description: This course is designed for those students who wish to expand their writing skills by studying news, feature, and editorial writing. Students study professional models as a way to learn the techniques of journalistic research and writing. Their articles are submitted for publication in the school newspaper and other area publications. Students also read a daily newspaper once a week. Students enrolled in journalism are expected to participate in creating the school newspaper; therefore, interviewing and speaking skills are also taught. The ability to meet deadlines is imperative. This course is required for students who would like to serve as editors of the school newspaper. *This course may be taken for elective credit only and does not count toward English credit for graduation.*

Journalism II

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Journalism I: Advanced Writing

Description: This course is designed for those students who have completed Journalism I: Advanced Writing and wish to improve their journalistic writing skills by working on school publications. Students enrolled in this course serve as editors of the school newspaper and work on in-depth reports for class projects. Readings include daily newspapers and news magazines. *This course may be taken for elective credit only and does not count toward English credit for graduation.*

English

Rhetoric 1

Grade Open To: 12

Term: 1

Credit: 0.5 toward graduation
3.0 semester hours of JJC* credits

Prerequisite: Qualifying score on the Joliet Junior College Compass Test.

Fees: Payment of Joliet Junior College tuition and purchase of textbooks

Description: This course is designed to teach writing skills necessary for success in college. It is required for students intending to continue in a baccalaureate program. Special emphasis is placed upon summary writing, exposition, and argumentation. This course is offered as a dual credit course through Joliet Junior College. Students who successfully complete this course receive 3.0 semester hours of credit for English 101 – Rhetoric at JJC. **This course carries a weighted grade. *Joliet Junior College**

Rhetoric 2

Grade Open To: 12

Term: 2

Credit: 0.5 toward graduation
3.0 semester hours of JJC* credits

Prerequisite: Rhetoric 1 and qualification on the Joliet Junior College Compass Test.

Fees: Payment of Joliet Junior College tuition and purchase of textbooks

Description: This course provides continued training and practice in composition, as well as employing examples of literary genres to help students develop their writing competencies. A 2,500+ word research paper is required. This course is offered as a dual credit course through Joliet Junior College. Students who successfully complete this course receive 3.0 semester hours of credit for English 102 – Rhetoric at JJC. **This course carries a weighted grade. *Joliet Junior College**

Senior Reading and Writing I

Grade Open To: 12

Term: 1

Credit: 0.5

Prerequisite: None

Fees: Cost of required paperback books

Description: This reading and writing course is designed for students who would like to develop their skills in anticipation of the college experience. Students will be required to read and respond to novels through detailed response journals. In addition, students will gain expertise in analyzing, interpreting, and comparing a variety of texts for purpose, structure, content, detail, and effect. Through formal writing activities, students will explore a variety of composition modes. Following the “process model” of writing, students will compose multiple drafts, receive feedback from peers, and sharpen their revision skills. Students will also complete a research component, which will require application of the skills needed to complete a college-level research assignment.

Senior Reading and Writing II

Grade Open To: 12

Term: 2

Credit: 0.5

Prerequisite: None

Fees: Cost of required paperback books

Description: This course is a continuation of Senior Reading and Writing I and is designed for students who would like to develop their skills in anticipation of the college experience even further. Students will be required to read and respond to novels through detailed response journals. In addition, students will gain expertise in analyzing, interpreting, and comparing a variety of texts for purpose, structure, content, detail, and effect. Through formal writing activities, students will explore a variety of composition modes. Following the “process model” of writing, students will compose multiple drafts, receive feedback from peers, and sharpen their revision skills. Students will also complete a research component, which will require application of the skills needed to complete a college-level research assignment.

English as a Second Language (ESL)

ESL

Grade Open To: 9-10-11-12 **Term:** 1 & 2 **Credit:** 2.0 (English 1.0 and Elective 1.0)

Prerequisite: W-APT and/or ACCESS

Fees: Students are required to purchase workbook.

Description: This course is an intensive English language course designed to prepare students for reading, writing, speaking, listening, and critical thinking skills necessary for academic coursework and lifelong success. There is a strong focus on communication skills. The writing component entails the advancement of skills in descriptive, narrative, expository, and persuasive writing topics and culminates with a research paper. Students will study a variety of themes and literary genres through analysis of reading selections. Written and oral communication will be further developed through small-group presentations, demonstration, and oral reports using academic language.

ESL 9

Grade Open To: 9 **Term:** 1 & 2 **Credit:** 2.0 (English 1.0 and Elective 1.0)

Prerequisite: ACCESS Level

Fees: Students are required to purchase workbook.

Description: This course will continue the process of acculturation and help students understand and produce more complex oral and written language. Students will continue to participate in activities that reinforce listening, speaking, reading and writing skills in the content areas. Students will study and interpret a variety of literary genres and produce a variety of forms of writing. Grammar study emphasizes elimination of usage and mechanical errors in writing. Through meaningful activities, students will develop their oral presentations skills and acquire study skills (including note-taking and summarizing skills) that will enhance their ability to learn and succeed in content area classes. Students will study and interpret a variety of grade level texts, and develop oral communication/listening skills through participation in informal debates and seminars.

ESL 10

Grade Open To: 10 **Term:** 1 & 2 **Credit:** 2.0 (English 1.0 and Elective 1.0)

Prerequisite: ACCESS Level

Fees: Students are required to purchase workbook.

Description: This course will continue the process of acculturation and help students understand and produce more complex oral and written language. Students will continue to develop the reading, writing, speaking, listening, critical thinking skills and oral presentation skills required for all subjects and college setting. Students will be encouraged to develop independence in reading literary works (fiction, plays, autobiographical and biographical readings) and academic texts, in writing essays and narratives, and applying learning strategies and research skills for the rigor of college. Students will be required to respond critically to print and media works. This course prepares students to use English with increasing accuracy in classroom and social situations and to participate in society as informed students.

ESL 3 Part 1 and 2

Grade Open To: 11-12

Term: 1 & 2

Credit: 2.0 (English 1.0 and Elective 1.0)

Prerequisite: ACCESS Level

Fees: Students are required to purchase workbook.

Description: This course is designed for students who have demonstrated proficiency in listening, speaking, reading, writing and study skills necessary for success in the mainstream classroom. Students will continue to develop the reading, writing and oral presentation skills required for all subjects and college setting. Students will be encouraged to develop independence in reading literary works and academic texts, in writing essays and narratives, and applying learning strategies and research skills for the rigor of college. Students will be required to respond critically to print and media works. This course prepares students to use English with increasing accuracy in classroom and social situations and to participate in society as informed students.

ESL Bridge

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0 (Elective)

Prerequisite: ACCESS Level

Fees: Students are required to purchase workbook.

Description: This course is designed for students who are developing proficiency in listening, speaking, reading, writing and study skills necessary for success in the mainstream classroom. Students will continue to develop the reading, writing and oral presentation skills required for all subjects and college setting. Students will be encouraged to develop independence in reading literary works and academic texts, in writing essays and narratives, and applying learning strategies and research skills for the rigor of college. As they read, students will develop critical thinking skills. This course prepares students to use English with increasing accuracy in classroom and social situations and to participate in society as informed students.

Fine Arts/World Languages - Art

Art Foundations

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Fees: Students are required to purchase additional supplies

Description: This course is an academic approach to the media, methods, and techniques needed to produce objective two-dimensional and three-dimensional artwork. The goal of this course is to provide each student with a foundation through exposure to a variety of media while covering the elements and principles of design. The class focuses on 2D and 3D media including black and white drawing, colored media, painting, sculpture and digital technology.

Advanced Drawing

Grade Open To: 10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Art Foundations

Fees: Students are required to purchase additional supplies

Description: Students use their prior knowledge of the elements and principles of design from the Art Foundations course to explore a wider variety of media with more intensity, while composing artwork that emphasizes originality and creativity.

Art History

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Fees: Students are required to purchase additional supplies

Description: This course explores some of the influential cultures, themes and artistic movements that have impacted our society today and through the ages. The student will be prepared to approach the study of art through the analysis of art works, composition, art materials, and styles within a historical context. Students will demonstrate their understanding of the course objectives through verbal discussion and written critique.

Ceramics 1

Grade Open To: 9-10-11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

Fees: Students are required to purchase additional supplies

Description: The goal of this course is to introduce students to the medium of clay. Students become familiar with many hand-building techniques to produce art work throughout the semester, based on preliminary drawings. Some techniques covered include pinch, coil, slab, and sculpture. Each project takes approximately three weeks from pencil and paper design to glazing.

Ceramics 2

Grade Open To: 9-10-11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Ceramics 1

Fees: Students are required to purchase additional supplies

Description: The goal of this course is to continue the techniques and skills of working with clay, with a more individual and intense approach to art work. The technique of wheel throwing is introduced during this semester, which broadens and enhances the student's knowledge of ceramic production.

Advanced 3D

Grade Open To: 11-12

Term: 1 or 2

Credit: 1.0

Prerequisite: Ceramics 2 and Sculpture 2

Fees: Students are required to purchase additional supplies

Description: Students will investigate, demonstrate and evaluate media and techniques of three-dimensional form as well as refine skills and knowledge to develop advanced techniques to validate personal style in their three-dimensional art work.

Commercial Design

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Digital Illustration and Design or teacher recommendation (Grade 10)

Fees: Students are required to purchase additional supplies

Description: Students will investigate demonstrate and evaluate media and techniques in two-dimensional and three dimensional applications in order to differentiate art as a commodity representing a variety of demographics.

Digital Illustration and Design

Grade Open To: 10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Art Foundations

Fees: Students are required to purchase additional supplies

Description: Students will investigate, demonstrate and evaluate industry standard software and peripheral devices to develop computer generated images.

Painting

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Advanced Drawing

Fees: Students are required to purchase additional supplies

Description: This course will focus on the fine art of painting with watercolor, acrylic, and oils, which will be utilized to develop projects that are original in design and encourage creativity through painting.

Fine Arts/World Languages - Art

Sculpture I

Grade Open To: 9-10-11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

Fees: Students are required to purchase additional supplies

Description: The goal of this course is to introduce students to three-dimensional artwork. Students are exposed to traditional techniques and concepts of sculpture using additive and subtractive processes in a variety of media. Students also explore the sculptor's impact on and connection to societies and cultures of the past and present.

Sculpture II

Grade Open To: 9-10-11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Sculpture I

Fees: Students are required to purchase additional supplies

Description: The goal of this course is to study the techniques and methods for the creation of three-dimensional artwork more intensively. Students continue to use additive and subtractive processes within a variety of media. Students also experience a more comprehensive examination of the impact and connection of sculpture to societies and cultures of the past and present.

AP Studio Art (Drawing, 2D, and 3D)

Grade Open To: 12

Term: 1 & 2

Credit: 1.0

Prerequisite: Minimum of three full-year art classes

Fees: Students are required to purchase additional supplies

Description: AP Studio Art is an Independent Study Course designed for highly motivated students who are seriously interested in the study of art; the program demands significant commitment. The experience will culminate with a prepared portfolio that should be submitted to the College Board for approval. Students will be expected to work both in the classroom and out, beyond the scheduled periods. **This course carries a weighted grade.**

Digital Photography and Imaging 1

Grade Open To: 10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Art Foundations

Fees: Students are required to purchase additional supplies

Description: The goal of this course is to provide an introduction to the computer as a media tool in conjunction with basic Photographic skills. Students will become familiar with photographic composition and learn basic software tools and techniques using current industry standard software and peripheral devices, culminating in digital images.

Digital Photography and Imaging 2

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Digital Photography and Imaging 1

Fees: Students are required to purchase additional supplies

Description: This course will incorporate current computer software in conjunction with acquiring advanced photographic skills when using a digital camera. Projects are designed to cultivate camera handling and knowledge, to help students become familiar with types of photography, and to learn advanced software tools and techniques.

Fine Arts/World Languages - Music

Concert Band

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Audition

Fees: Co-Curricular Fee

Description: The Concert Band focuses on the development and reinforcement of fundamental playing skills. Freshmen and new students are automatically placed in this ensemble and must audition to enter the Symphonic Band. Auditions determine chair and band placement. The high school Concert Band performs repertoire that provides formative experiences in developing its musicianship. Students are evaluated by their in-class and out-of-class preparation. During August, September, and October, class content emphasizes marching, both parade and field. After marching season, students will concentrate on concert preparation. Students enrolled are required to attend out-of-school functions, such as concerts, parades, field trips, and extra rehearsals/sectionals.

Symphonic Band

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Audition

Fees: Co-Curricular Fee

Description: If the band program enrollment dictates two bands, the Symphonic Band will be the top-performing group of the high school bands. The student enters the group through an audition. The Symphonic Band performs music in a variety of styles. The “Comprehensive Musicianship” approach is used to acquaint the student with numerous aspects of music, including historical periods and harmonic and melodic characteristics. Performance is the focal point of the class. Students are evaluated by their in-class and out-of-class preparation. During August, September and October, class content emphasizes marching, both parade and field. After marching season, students will concentrate on concert preparation. Students enrolled are required to attend out-of-school functions, such as concerts, parades, field trips, and extra rehearsals/sectionals.

Wind Ensemble

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Audition

Fees: Co-Curricular Fee

Description: If the band program enrollment dictates three bands, the Wind Ensemble will be the top-performing group of the high school bands. Students enter the group through an audition. The Wind Ensemble performs music in a variety of styles. The “Comprehensive Musicianship” approach is used to acquaint the student with numerous aspects of music, including historical periods and harmonic and melodic characteristics. Performance is the focal point of the class. Students are evaluated by their in-class and out-of-class preparation. During August, September and October, class content emphasizes marching, both parade and field. After marching season, students will concentrate on concert preparation. Students enrolled are required to attend out-of-school functions, such as concerts, parades, field trips, and extra rehearsals/sectionals.

Mixed Choir

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Fees: Co-Curricular Fee

Description: Mixed Choir is open to all students. No previous choral experience is necessary. The ensemble performs traditional choral literature at concerts throughout the year. The curriculum is based on basic concepts of vocal fundamentals and music theory. Students learn solfege, notational skills, and the basics of sight-reading. Attendance is required at seasonal evening concerts and after-school rehearsals.

Fine Arts/World Languages - Music

Treble Choir

Grade Open To: 10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Audition

Fees: Co-Curricular Fee

Description: Treble Choir is open by audition to women with choral experience; students will be placed with consent from the instructor. The curriculum is based on intermediate concepts of vocal fundamentals and music theory. Emphasis is placed on sight-reading. Students perform choral literature of all styles. Attendance is required at seasonal evening concerts and after-school rehearsals throughout the year. Additional required performances and festivals may be scheduled.

Concert Choir

Grade Open To: 10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Audition

Fees: Co-Curricular Fee

Description: Concert Choir is open by audition to students with a proficiency in vocal and sight-reading skills. The curriculum is based on advanced concepts of music theory relating to tonality, vocal technique, and sight-reading. Attendance is required at seasonal concerts and after-school rehearsals throughout the year. Additional required performances and festivals may be scheduled.

Music Survey

Grade Open To: 9-10-11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

Description: This course is a study of musical style, from the Renaissance period to the music of today. Special emphasis is given to major forms and composers, as well as the instruments and characteristics of the stylistic periods of music history. The course also includes considerable time listening to musical performances. Students are required to pay for admission to required concerts, programs, etc.

Music Theory

Grade Open To: 9-10-11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

Description: Students learn the basics of reading and writing music. This course is suitable for students with any background and gives all students a better understanding of music. The course also helps prepare musicians who are interested in college music major.

Commercial Music Production

Grade Open To: 10-11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

Description: Using available and emerging technology, students will construct a record company through the development of various design, production, and legal departments resulting in the creation and distribution of an original, professional-grade recording (CD) of selected artists. Topics such as MIDI, digital recording, sequencing, mixing, and computer-aided sound engineering are covered. Students will learn to use digital recording equipment by recording both music department rehearsals and concerts and extra-curricular ensembles. Outside-of-school time may be required.

Fine Arts/World Languages - Music

AP Music Theory

Grade Open To: 10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Music Theory

Fees: Students are required to purchase workbook.

Description: This course is a continuation of Music Theory 1 and will give students a better understanding of composition, arranging, and harmonic analysis. This course is suggested for students who have a serious interest in music or are interested in pursuing music beyond high school. The ultimate goal of an AP Music Theory course is to develop a student's ability to recognize, understand, and describe the materials and processes of music that are heard or presented in a score. The student's ability to read and write musical notation is fundamental to this course. It is also assumed that the student has acquired at least basic performance skills in voice or an instrument. Students perform college level work and are expected to take the Advanced Placement exam. **This course carries a weighted grade.**

Fine Arts/World Languages - World Languages

American Sign Language 1 (ASL)

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Fees: Students are required to purchase workbook.

Description: This class introduces students to the deaf culture, vocabulary words for this new language, and correct grammatical and syntactical rules. Students present songs, stories, and sentences to show their expressive skills. They are also tested on their knowledge of the deaf culture and their ability to understand signing when presented to them by the teacher.

American Sign Language 2 (ASL)

Grade Open To: 10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: American Sign Language 1

Description: This course continues vocabulary building while expanding students' knowledge of the deaf culture, grammar, and syntactical rules. Along with performing songs and poems, students may also perform the National Anthem at various sporting events along with other possible public performances.

French 1

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Fees: Students are required to purchase workbook.

Description: Students are engaged in the French language through reading, writing, listening, and speaking. An emphasis is placed on acquiring basic vocabulary, verb tenses, and grammatical structures to develop communication skills. Students also learn about France and other French-speaking cultures.

French 2

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: French 1

Fees: Students are required to purchase workbook.

Description: This course begins with a general review of French 1, followed by more complex vocabulary, verb tenses, and grammar. Students are engaged in daily French conversation and composition. Reading selections are introduced to further expand a student's competence in French. The study of French-speaking customs and cultures is an integral part of this level.

French 2 Honors

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: French 1

Fees: Students are required to purchase workbook.

Description: This course features an enhanced French 2 curriculum designed to increase French proficiency through extended lessons in grammar, vocabulary, and supplementary materials. This class moves at a faster pace than French 2. Students in this course are expected to advance to French 3 Honors and ultimately to Advanced Placement French. **This course carries a weighted grade beginning with class of 2014.**

Fine Arts/World Languages - World Languages

French 3

Grade Open To: 10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: French 2 or French 2 Honors

Fees: Students are required to purchase workbook.

Description: After a brief review of French 2, more emphasis is given to daily oral communication, as well as the study of advanced French grammar and composition. Students participate in an in-depth study of French-speaking cultures, including authentic literary works.

French 3 Honors

Grade Open To: 10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: French 2 or French 2 Honors

Fees: Students are required to purchase workbook.

Description: This course moves at a faster pace than French 3, picking up from the curriculum of French 2 Honors. A student's skills in French are enhanced by covering more material and by increased practice in speaking, reading, and writing. Students are expected to continue their study of French in Advanced Placement French. **This course carries a weighted grade beginning with class of 2014.**

French 4

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: French 3 or French 3 Honors

Description: Students are introduced to French history and the works of famous French writers. Students read and study the correlation of the literature to the social and economic conditions of France. Students are required to communicate in French.

AP French

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: French 3 or French 3 Honors

Fees: Students are required to purchase workbook.

Description: This course is intended for students who already have a good command of French grammar and vocabulary and have competence in listening, reading, speaking, and writing. This course seeks to develop language skills that can be used in various activities and disciplines through materials such as textbooks and anthologies, audio and video recordings, films, newspapers, and magazines. Extensive training in the organization and writing of compositions is also emphasized. Students perform college level work and are expected to take the Advanced Placement exam. **This course carries a weighted grade.**

German 1

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Fees: Students are required to purchase workbook.

Description: Vocabulary and everyday German expressions are emphasized in order to promote conversational expression. Extensive work is done in German grammar to build a strong foundation and strengthen the student's knowledge base. The culture, history, and geography of the German-speaking people are also studied to provide a well-rounded first year.

Fine Arts/World Languages - World Languages

German 2

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: German 1

Fees: Students are required to purchase workbook.

Description: Conversational and written German is emphasized to expand communicative functions in the language, while basic grammatical structures are completed. New vocabulary and higher-level grammatical structures are introduced. The study of culture, history, and geography are continued.

German 2 Honors

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: German 1

Fees: Students are required to purchase workbook.

Description: This course features an enhanced German 2 curriculum to increase German proficiency through extended lessons in grammar, vocabulary and supplementary materials. This class moves at a faster pace than German 2. Students in this course are expected to advance to German 3 Honors and ultimately to Advanced Placement German. **This course carries a weighted grade beginning with class of 2014.**

German 3

Grade Open To: 10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: German 2 or German 2 Honors

Fees: Students are required to purchase workbook.

Description: Vocabulary is expanded and more complex grammatical structures are introduced. Readings come from a variety of literary sources and cover both fiction and non-fiction. Communicating in the language is stressed, with a focus on the development of a theme in both speaking and writing. Culture will focus on art, music, architecture, and history.

German 3 Honors

Grade Open To: 10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: German 2 or German 2 Honors

Fees: Students are required to purchase workbook.

Description: This course moves at a faster pace than German 3, picking up from the curriculum of German 2 Honors. A student's skills in German are enhanced by covering more material and by increased practice in speaking, reading, and writing. Students are expected to continue their study of German in Advanced Placement German. **This course carries a weighted grade beginning with class of 2014.**

German 4

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: German 3 or German 3 Honors

Description: Modern German literature is read and grammar is refined. Literature includes short stories, poetry, and plays. The survey of German history and culture is completed. Written compositions and oral conversations are emphasized.

Fine Arts/World Languages - World Languages

AP German

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: German 3 or German 3 Honors

Description: AP German is intended for students who already have a good command of German grammar and vocabulary and have competence in listening, reading, speaking, and writing. This course seeks to develop language skills that can be used in various activities and disciplines through materials such as textbooks and anthologies, audio and video recordings, films, newspapers, and magazines. Extensive training in the organization and writing of compositions is also emphasized. Students perform college level work and are expected to take the Advanced Placement exam. **This course carries a weighted grade.**

Spanish 1

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Fees: Students are required to purchase workbook.

Description: In this course, emphasis is placed on building a foundation of basic vocabulary and grammar in order to develop the student's abilities to read, write, speak, and listen in the Spanish language. The culture and customs of the Spanish-speaking people are also introduced.

Spanish 2

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Spanish 1

Fees: Students are required to purchase workbook.

Description: After a brief review of Spanish 1, this course emphasizes the ability to understand and use the Spanish language. The study of Spanish grammar and vocabulary continues to enhance the student's skills in reading, writing, listening, and speaking, and involves more difficult Spanish concepts. The customs and cultures of Spanish speaking countries remain a central element in the second-level program.

Spanish 2 Honors

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Spanish 1

Fees: Students are required to purchase workbook.

Description: This course features an enhanced Spanish 2 curriculum designed to increase Spanish proficiency through extended lessons in grammar, vocabulary and supplementary materials. This class moves at a faster pace than Spanish 2. Student's in this course are expected to advance to Spanish 3 Honors and ultimately to Advanced Placement Spanish Language. **This course carries a weighted grade beginning with class of 2014.**

Spanish 3

Grade Open To: 10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Spanish 2 or Spanish 2 Honors

Fees: Students are required to purchase workbook.

Description: After a brief review of Spanish 2, this course focuses on oral communication and involves the study of complex Spanish grammar, composition, and culture. Selected readings become more challenging and supplementary mini-units are included to reinforce new vocabulary, grammar, and culture.

Fine Arts/World Languages - World Languages

Spanish 3 Honors

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Spanish 2 or Spanish 2 Honors

Fees: Students are required to purchase workbook.

Description: This course moves at a faster pace than Spanish 3, picking up from the curriculum of Spanish 2 Honors. A student's skills in Spanish are enhanced by covering more material and by increased practice in speaking, reading, and writing. Students are expected to continue their student of Spanish in Advance Placement Spanish Language. **This course carries a weighted grade beginning with class of 2014.**

Spanish 4

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Spanish 3 or Spanish 3 Honors

Fees: Students are required to purchase workbook.

Description: This course further develops the skills of reading, writing, listening, and speaking, and is also an advanced study of the various Spanish-speaking cultures, highlighting their history, geography, literature, and customs. Vocabulary acquisition and grammatical study are also emphasized. This course prepares students for post-secondary Spanish studies.

AP Spanish Language

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Spanish for Heritage Speakers 2, Spanish 3, or Spanish 3 Honors

Fees: Students are required to purchase workbook.

Description: This course is intended for students who wish to develop proficiency and integrate their language skills using authentic materials and sources. Students who enroll should already have knowledge of the language and cultures of Spanish-speaking peoples and should have attained a reasonable proficiency in using the language. The course is meant to be comparable to college and university courses that focus on speaking and writing in the target language at an advanced level. Reading is extensive and Spanish will be used in speaking opportunities in both interpersonal and presentational modes. Writing is practiced through both formal and informal tasks. Students perform college level work and are expected to take the Advanced Placement exam. **This course carries a weighted grade.**

AP Spanish Literature

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Spanish 3, Spanish 3 Honors, or Spanish for Heritage Speakers 2

Fees: Students are required to purchase workbook.

Description: The AP Spanish Literature course is designed to provide students with a learning experience equivalent to that of a third-year college course in Peninsular and Latin American Literature. The course is designed to introduce students to the formal study of a representative body of Peninsular and Latin American literary texts. Students perform college level work and are expected to take the Advanced Placement exam. **This course carries a weighted grade.**

Fine Arts/World Languages - World Languages

Spanish for Heritage Speakers 1

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Placement test or teacher recommendation

Fees: Cost of selected paperback books

Description: This course is designed for students who have had exposure to Spanish at home. Spanish and Latin American culture, history, and language skills will be covered through literature, projects, and supplementary materials. For placement in this class, students are required to demonstrate a degree of Spanish proficiency.

Spanish for Heritage Speakers 2

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Spanish for Heritage Speakers 1

Fees: Cost of selected paperback books

Description: This course is a continuation of Spanish for Heritage Speakers 1. Students will continue to extend their vocabulary and grammar skills through creative writing, literature, and projects. Units of study may include, but are not limited to, Hispanic art, immigration, and Spain's influence in the Latino world. Students are encouraged to continue their study of Spanish by taking an advanced course.

Mathematics

Algebra 1 Block

Grades Open To: 9

Term: 1 & 2

Credit: 2.0 (1 elective & 1 math credit)

Prerequisite: Placement only

Fees: None

Description: This course is a standard Algebra 1 course. This course is two periods in length for the purpose of solidifying mathematical understanding, in order to adequately prepare students for future math courses in the high school curriculum. Some of the topics which will be included in this course are: use of variables and formulas, rate of change and linear functions, solving equations and inequalities, factoring, operations with polynomials, systems of equations, exponents, radicals, and quadratic equations. **Scientific calculator required. (TI- 83+, TI-84, or TI-84+ graphing calculator preferred).**

Algebra 1

Grades Open To: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Description: This course is a standard Algebra 1 course. Some of the topics included in this course are: use of variables and formulas, rate of change and linear functions, solving equations, factoring, operations with polynomials, systems of equations, exponents, radicals, and quadratic equations. **Scientific calculator required. (TI scientific preferred).**

Algebra 2

Grade Open To: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Algebra 1

Description: This course is designed to fulfill admission requirements for a four-year college. Topics which will be included in this course are: real numbers and variable operations, equations, inequalities, graphs, polynomials, functions, complex numbers, matrices, systems of equations, rational expressions, conics, exponential and logarithmic functions, and introductory trigonometry. **Graphing calculator required (TI-83+, TI-84, or TI-84+preferred).**

Algebra 2 Honors

Grade Open To: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: 8th grade Algebra 1 or Algebra 1

Description: This course is offered to students who meet the expectations for the honors mathematics program and whose career goals require a strong mathematics foundation. This course covers all of the topics of Algebra 2 but in greater depth and at a more accelerated pace. Instruction in this course is designed for college-bound students who are interested in mathematics-related or science-related fields of study. **This course carries a weighted grade. Graphing calculator required (TI-83+, TI-84, or TI-84+ preferred).**

AP Calculus AB

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Precalculus or Precalculus Honors

Description: This is a standard first-semester college course in the Calculus of elementary functions. In this course the students will learn the techniques, concepts, and applications of limits, differentiation, and integration. Multiple representations of concepts will be investigated: graphical, analytical, numerical, and verbal. Technology will be integrated throughout the course to develop and enhance the curriculum. Students perform college level work and are expected to take the Advanced Placement exam. **This course carries a weighted grade. Graphing calculator required (TI-83+, TI-84, TI-84+, TI Nspire CAS preferred).**

Mathematics

AP Calculus BC

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Precalculus or Precalculus Honors

Description: This course is equivalent to two full semesters of college calculus. All topics studied in Advanced Placement Calculus AB are included in this course. Additional topics that are taught are: sequences and series, polar coordinates, vector functions, additional integration methods, and differential equations. Students perform college level work and are expected to take the Advanced Placement exam. **This course carries a weighted grade. Graphing calculator required (TI-83+, TI-84, TI-84+, TI Nspire CAS preferred).**

AP Computer Science A

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Introduction to Java Honors

Description: The course will provide an object-oriented approach to computer programming, leading to the Advanced Placement exam given in May. The current language used for the AP exam will be used for this class. The student will be required to develop programming and logical thinking skills necessary to solve problems. Students perform college level work and are expected to take the Advanced Placement exam. Current AP language: Java. Internet use form must be completed and returned before the first class meeting. **This course carries a weighted grade. This course may be taken for elective credit only. This course does not count toward Math credit for graduation.**

AP Statistics

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Algebra 2

Description: AP Statistics is an introductory course equivalent to a one-semester college statistics course that is required for a variety of college majors. Its purpose is to introduce major concepts and tools for collecting, analyzing, and drawing conclusions from data. It can be taken individually or concurrently with another math class. Students perform college level work and are expected to take the Advanced Placement exam. **This course carries a weighted grade. Graphing calculator required (TI-83+, TI-84, or TI-84+ preferred).**

Geometry

Grade Open To: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Algebra 1

Description: In this course, students are taught deductive reasoning and become acquainted with the development of a mathematical system. Some of the topics included are: logical thinking and proof-writing, polygons, circles, congruency, transformations, parallel and perpendicular lines, similarity, constructions, areas of polygons, and some three-dimensional concepts. This course will aid students in thinking logically, a skill necessary for everyday living as well as post-high school education. **Scientific calculator required (TI scientific preferred).**

Geometry Honors

Grade Open To: 10

Term: 1 & 2

Credit: 1.0

Prerequisite: Algebra 1 or Algebra 2 Honors

Description: This course expands upon the topics presented in the regular geometry course, further emphasizing the structure of Euclidean geometry and the use of proof as a problem-solving technique. Additional topics to be covered include solid geometry, coordinate geometry, and introductory right triangle trigonometry. Instruction in this course is designed for college-bound students who are interested in mathematics-related or science-related fields of study. **This course carries a weighted grade. Scientific calculator required (TI scientific preferred).**

Mathematics

Introduction to Java Honors

Grade Open To: 9-10-11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Introduction to Programming

Description: This project-based course expands on the object-oriented programming approach and topics introduced in the Introduction to Programming course. It also attends to the first portion of the AP Computer Science A curriculum in its current language: JAVA. Internet use form must be completed and returned before the first class. **This course carries a weighted grade. This course may be taken for elective credit only. This course does not count toward Math credit for graduation.**

Introduction to Programming

Grade Open To: 9-10-11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Algebra 1 or concurrent enrollment in Algebra 1

Description: This course will provide an introduction to object-oriented programming. Basic programming structure and syntax are introduced using JavaScript. The current focus will be on creating World Wide Web documents. Internet use form must be completed and returned before the first day of class. **This course may be taken for elective credit only. This course does not count toward Math credit for graduation.**

Precalculus

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Algebra 2

Description: This course is designed for students who intend to pursue fields of study needing higher math after high school. Some topics included are: solving higher order equations and inequalities, analyzing functions and their behavior (trigonometric, logarithmic, and exponential), probability, data collection and analysis, sequences and series, and an introduction to limits. **Graphing calculator required (TI-83+, TI-84, or TI-84+ preferred).**

Precalculus Honors

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Algebra 2 or Algebra 2 Honors

Description: This course is designed for students who have demonstrated a strong foundation in Algebra 2 and is the prerequisite for AP Calculus AB. All of the topics in Precalculus are covered in greater depth and at a more accelerated pace. More emphasis is placed upon the theory of equations, and topics are approached from graphic, numeric, and symbolic points of view. **This course carries a weighted grade. Graphing calculator required (TI-83+, TI-84 or TI-84+ preferred).**

Programming Graphics

Grade Open To: 9-10-11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Introduction to Programming

Description: This course is a continuation of the programming topics included in Introduction to Programming, utilizing Action Script 3.0 along with objects created in the Flash Environment to create graphical patterns and animations for use in a web page. Internet use form must be completed and returned before the first class meeting. **This course may be taken for elective credit only. This course does not count toward Math credit for graduation.**

Physical Education, Health, & Driver Education

Adventure Challenge

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Open to sophomores second semester after passing Fitness Program Design

Description: This course emphasizes cooperative learning, problem solving, and team building activities. It is an experiential-based learning process where students are encouraged to take an active role in their education. Using physical challenges, students develop self-esteem through group and individual accomplishment, enhance social skills with others, increase their ability to problem solve, and develop leadership skills. Fitness activities and concepts are emphasized two days per week. This course may be repeated for credit. Students must have a Physical Education uniform and school-approved lock.

Dance 1

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Open to sophomores second semester after passing Fitness Program Design

Description: The major units of study of this course include introductions to jazz, lyrical, beginning hip-hop, improvisation, and choreography. Skills developed through this course include grace, balance, correct posture, rhythm, coordination, and agility. Students also learn correct dance vocabulary for numerous steps, as well as dance history. Fitness activities and concepts are emphasized two days per week. This course may not be repeated for credit. Students must have a Physical Education uniform and school-approved lock.

Dance 2

Grade Open To: 12

Term: 1 or 2

Credit: 0.5

Prerequisite: Completion of Dance 1

Description: The major units of study in this course include an introduction to modern dance, intermediate hip-hop, social and ethnic dance, and a choreography project resulting in a dance performance. Fitness activities and concepts are emphasized two days per week. This course may be repeated for credit. Students must have a Physical Education uniform and school-approved lock.

Driver Education, CPR, First Aid, & Safety

Grade Open To: 10-11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: A student must pass 8 courses in the previous 2 semesters. Students must be at least 15 years of age.

Fees: Behind-the-Wheel fee at fall registration and additional state fee for student driver permit. Students are required to purchase safety supplies for use with American Red Cross skills.

Description: Driver Education, First Aid, and Safety will promote the development of citizens who will learn the traffic regulations and laws, and will become safe and responsible users of the highway transportation system. This program uses an integrated approach to the classroom phase of driver education and the behind the wheel phase. American Red Cross first aid and safety curriculum, along with the American Red Cross adult and infant CPR will be included. Also, AED training is incorporated to enhance the students' knowledge of their contributions and responsibility as a citizen, not only on the roads, but within the total community. All sophomores, juniors, and seniors under the age of eighteen must successfully complete all phases of Driver Education prior to receiving a State of Illinois Driver's License.

Physical Education, Health, & Driver Education

Fall Individual Activities

Grade Open To: 11-12

Term: 1

Credit: 0.5

Prerequisite: None

Fees: Lab fee to cover transportation & fees for golf and/or bowling

Description: This course is offered during the first semester, with an emphasis placed on activities that require individual skills. Fundamentals, rules, and techniques of various activities are covered. Fitness activities and concepts are emphasized two days per week. Students must have a Physical Education uniform and school-approved lock. This course may be repeated for credit.

Fall Team Activities

Grade Open To: 11-12

Term: 1

Credit: 0.5

Prerequisite: None

Description: This course is offered during the first semester and is designed around group activities that require teamwork. Fitness activities and concepts are stressed two days per week. Students must have a Physical Education uniform and school-approved lock. This course may be repeated for credit.

Fitness-Program Design

Grade Open To: 10

Term: 1 or 2

Credit: 0.5

Prerequisite: None

Description: Fitness-Program Design is part of a sophomore-year sequence along with Driver Education/CPR/First Aid and Safety. This class is oriented toward program design and discovery of fitness activities. Classroom time may include units of study such as Fitness Concepts, Goal Setting, and Consumer Health. Numerous health-related activities may be offered, including step aerobics, dance, walking, circuit training, and jogging. Students will design, present and/or implement a fitness program as part of their required semester project. Students must have Physical Education uniform and school-approved lock.

Health

Grade Open To: 10-11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

Description: The purpose of this one-semester course is to provide the health requirement for transfer students or those students who need to repeat the health segment of Health and Wellness. An emphasis is placed on creating a healthy lifestyle. Topical areas include: mental health and stress management, personality development, nutrition and body systems, drug abuse prevention, healthy relationships, and disease prevention.

Health and Wellness

Grade Open To: 9

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Description: This course promotes health and wellness as a way of life. Emphasis will be placed on creating a healthy lifestyle. Topical areas include: mental health and stress management, personality development, nutrition and body systems, drug abuse prevention, healthy relationships, disease prevention, challenge education, fitness, movement skills, and team activities. This is a full-year class and meets both the health and physical education requirements. Students must have a Physical Education uniform, school-approved lock and heart rate monitor strap.

Physical Education, Health, & Driver Education

Leadership Training

Grade Open To: 12

Term: 1 & 2

Credit: 1.0

Prerequisite: Grade 9 and 10 Physical Education courses, complete application by deadline, provide two letters of recommendation from teacher or coach, attend mandatory training session, and pass entrance exam with at least an 80% or higher. Student may not choose to receive a PE exemption.

Description: Leadership Training is designed to promote and enhance leadership qualities in the upper-class student. The student will be assigned to either a freshman wellness or a sophomore fitness program design class. The student will develop an understanding of the importance of responsibility, reliability, cooperation, initiative, creativity, and adaptability. Their major responsibilities include officiating, small group instruction, assisting the teacher, and serving as a role model. Students must have a Physical Education uniform and school-approved lock. This course may be repeated for credit.

Life Skill

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Open to sophomores second semester after passing Fitness Program Design

Description: The class provides students with an opportunity to make a connection between the mind and body in a health-club like setting. An emphasis is placed on activities that have an effect on students' daily life, such as self defense, resistance training, yoga, Pilates, and cardiovascular activities. The class also teaches stress management, meditation and weight management techniques. This course may be repeated for credit. Students must have Physical Education uniform and school-approved lock.

Nutrition and Wellness

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5 (Regional ID# H223)

Prerequisite: Open to sophomores second semester after passing Fitness Program Design

Description: This is an integrated class between the Physical Education Department and the Family and Consumer Science Departments. The curriculum is a two-part integrated course in which students will be able to understand the nutritional value of food and participate in various fitness and stress management activities to develop a total wellness approach to health. Students alternate between the wellness segment and the nutritional segment. The course is to be team-taught. A student may receive credit for either Family and Consumer Science or Physical Education, but not both. The course may not be repeated. Students must have a Physical Education uniform and school-approved lock.

Recreational Games

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Open to sophomores second semester after passing Fitness Program Design

Description: An emphasis is placed on games that are recreational in nature. Different variations of games will be offered. A partial selection would include eclipse ball, sand volleyball, pickle ball, Frisbee golf, and various other recreational games. Fitness activities and concepts are stressed two days per week. Students must have a Physical Education uniform and school-approved lock. This course may be repeated for credit.

Physical Education, Health, & Driver Education

Skills for Healthy Living

Grade Open To: 11

Term: 1 or 2

Credit: 0.5

Prerequisite: None

Description: This course is designed to provide and promote the skills and concepts necessary for a healthy lifestyle, and is divided into two components. The health component consists of three days per week (MWF), and may include the study of illness and disease prevention, healthy vs. unhealthy relationships, adulthood, aging, healthy choices for life, and environmental concerns. Two days per week (TR), students participate in Fitness Club, which offers opportunities for students to work out in a wide variety of activities. This course must be taken in the student's junior year and may not be repeated for credit. Students must have a Physical Education uniform and school-approved lock.

Sports Medicine

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Open to sophomores second semester after passing Fitness Program Design

Fees: Lab fees for supplied materials

Description: This course is an introduction to sports-related medical professions such as athletic training, physical therapy, orthopedic medicine, and emergency medical technician. The course involves interaction between the local medical community and the school. Fitness activities and concepts will be emphasized two days a week. Students must have a Physical Education uniform and school-approved lock. This course cannot be repeated for credit.

Spring Individual Activities

Grade Open To: 11-12

Term: 2

Credit: 0.5

Prerequisite: Open to sophomores second semester after passing Fitness Program Design

Fees: Transportation and fees for golf and/or bowling

Description: This course will also cover the fundamentals, rules and techniques of various activities. Emphasis will be placed on activities that require individual skill. Fitness activities and concepts are emphasized two days per week. Students must have a Physical Education uniform and school-approved lock. This course may be repeated for credit.

Spring Team Activities

Grade Open To: 11-12

Term: 2

Credit: 0.5

Prerequisite: Open to sophomores second semester after passing Fitness Program Design

Description: Fitness activities and concepts are stressed two days per week. All activities will be designed around group activities that require teamwork. Students must have a Physical Education uniform and school-approved lock. This course may be repeated for credit.

Weight Training

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Open to sophomores second semester after passing Fitness Program Design

Description: Students will understand and demonstrate proper weight training techniques and safety procedures in a weight training facility. Students learn strength training concepts and techniques for implementation and creation of a personalized weight training program. Fitness activities and concepts are stressed two days per week. This course may be repeated for credit. Students must have a Physical Education uniform and school-approved lock.

Science

Anatomy and Physiology Honors

Grade Open To: 10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Biology (Chemistry recommended)

Description: This course is designed to extend the student's knowledge of the structure and functioning of the human body. The nine systems of the body, with corresponding lab work and dissections, are covered in detail, with emphasis on anatomical information. The second semester contains a cumulative project over all systems through a cat dissection and lab practical. Each semester has a cumulative semester exam. This course is designed to serve students who are interested in furthering their education in the fields of medicine, nursing, physical education, medical technology, sports medicine and other health-related programs. **This course carries a weighted grade. This course may be taken for elective credit only. This course does not count toward Science credit for graduation.**

Biology

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Description: This laboratory course is designed for students with a variety of skills and ability levels. It examines the following topics in depth: chemistry of life, the biosphere, populations, cell structure and function, DNA and inheritance, evolution, and classification. A significant emphasis is placed on scientific methodology. Recurring themes include ecology, genetics, and evolution.

Biology Honors

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Eighth grade Accelerated Language Arts course or a strong desire for a challenging and rigorous course

Description: This course is designed for students who have excellent reading, comprehension, and study skills. The pace of the course is rapid, and the class covers material in greater depth than Biology. This is a lab-oriented class. Major topics include: biochemistry, cellular biology, molecular and Mendelian genetics, biodiversity, and ecology. **This course carries a weighted grade.**

AP Biology

Grade Open To: 10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Biology or Biology Honors

Description: This course is designed to prepare students for the Advanced Placement Biology Examination. The course surveys various facets of biology in greater depth than in the first-year course, with topics including molecules and cells, heredity and evolution, and organisms and populations. Students perform all of the labs required for the Advanced Placement Biology Exam. Students perform college level work and are expected to take the Advanced Placement exam. **This course carries a weighted grade.**

Chemistry

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Algebra 1

Description: This course is designed for any student interested in acquiring an exposure to the science of chemistry. It explores modern chemical concepts such as matter, atomic structure, stoichiometry, periodic table, gas laws, nuclear chemistry, chemical equations, and nomenclature through laboratory investigation and a study of the development of major theoretical topics when applicable. An emphasis is placed on conceptual developments and basic chemistry skills. **Scientific calculator required (TI scientific preferred).**

Science

Chemistry Honors

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Algebra 1

Description: This course is designed as a college preparatory class, and explores the traditional topics of chemistry including: states of matter, stoichiometry, gas laws, periodic chart, atomic structure, chemical bonding, solutions, kinetics, equilibrium, acids and bases, and chemical nomenclature. There are multiple lab experiences. **This course carries a weighted grade. Scientific calculator required (TI scientific preferred).**

AP Chemistry

Grade Open To: 10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Chemistry or Chemistry Honors and Algebra 1

Description: This course is designed to prepare students for the Advanced Placement Chemistry Examination. The course will cover a range of topics, including: aqueous chemistry and predicting products, stoichiometry, graphical analysis, gas laws, thermo chemistry, chemical bonding, molecular geometry, condensed states, solutions, chemical kinetics, chemical equilibrium, solubility equilibria, acids and bases, thermodynamics and equilibrium, electrochemistry, and organic/biochemistry. Students perform all of the labs required for the Advanced Placement Chemistry Exam. Students perform college level work and are expected to take the Advanced Placement exam. **This course carries a weighted grade. Scientific calculator required. (TI scientific preferred).**

Environmental Science: Environmental Issues

Grade Open To: 9-10-11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

Description: Students will analyze the human population for its impact on the environment, evaluate conditions that led to the development of Environmental Science, explore the human niche in the community of life, analyze human use of land and evaluate the effects on biodiversity, and examine environmental policies and relate them to sustainable practices and global impact. *This course may be taken for elective credit only. This course does not count toward Science credit for graduation.*

Environmental Science: Environmental Resources

Grade Open To: 9-10-11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

Description: Students will analyze human use of mineral resources and characterize its impact on the environment, explore the use of natural resources to produce energy and evaluate its impact on the environment, investigate the Earth's water resources and analyze human impact on them, examine and categorize the impact of human activities on the Earth's atmosphere, and assess the impact of human generated waste on the environment. *This course may be taken for elective credit only. This course does not count toward Science credit for graduation.*

Science

AP Environmental Science

Grade Open To: 10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Biology and Chemistry

Description: This college-level course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships in the natural world, to identify and analyze environmental problems, both natural and man-made, to evaluate risks associated with these problems, and to examine alternative solutions for resolving and /or preventing them. Environmental science is interdisciplinary, embracing several unifying themes. These themes include: science is a process; energy conversions underlie all ecological processes; the Earth itself is one interconnected system; humans alter natural systems; environmental problems have a social and cultural context; and human survival depends on developing practices that will achieve sustainable systems. Emphasis is placed on critical thinking skills, writing skills, analytical math skills. Students perform college level work and are expected to take the Advanced Placement exam. **Scientific calculator required (TI scientific preferred).** **This course carries a weighted grade.** *This course may be taken for elective credit only. This course does not count toward Science credit for graduation.*

Forensics

Grade Open To: 10-11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Biology and Chemistry

Description: This course involves components from all of the sciences, especially anatomy, biology, chemistry, earth science, and physics. It teaches students to use critical thinking, deductive reasoning, laboratory techniques and problem-solving skills. These skills are then related to real-life situations and criminal law cases. Students use reality and research-based activities to investigate complex scenarios and learn various scientific methods for solving these problems. The course focuses on the following overall student outcomes: 1) Apply scientific laboratory processes and techniques to the solving of a crime; 2) Determine and perform the most appropriate method of testing samples while obtaining the most accurate results; 3) Evaluate the scientific accuracy of various fields of forensic science; and 4) Predict and appropriately communicate the results of evidence collection and evaluation. **Scientific calculator required (TI scientific preferred).** *This course may be taken for elective credit only. This course does not count toward Science credit for graduation.*

Investigations into Matter and Energy: Chemistry

Grade Open To: 9-10-11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

Description: This course examines scientific methodology, the role of science in society, and the basic principles of chemistry. Topics include: the nature of matter, kinds of substances, interactions of matter, and energy resources. The course contains a significant amount of laboratory work. **Scientific calculator required (TI scientific preferred).** *This course may be taken for elective credit only. This course does not count toward Science credit for graduation.*

Science

Investigations into Matter and Energy: Physics

Grade Open To: 9-10-11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

Description: This course examines scientific methodology, the role of science in society, and the basic principles of physics. Topics include: energy and motion, light, sound, electricity, and energy resources. The course contains a significant amount of laboratory work. **Scientific calculator required (TI scientific preferred).** *This course maybe taken for elective credit only. This course does not count toward Science credit for graduation.*

Physics

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Algebra 1

Description: This course introduces students to the central concepts of physics as it relates to events familiar in the everyday environment, including: motion, forces, energy, matter, heat, sound, light, and the inside of atoms. Course emphasis is on lab work as well as on lecture, and on comprehension as well as computation. **Scientific calculator required (TI scientific preferred).**

Physics Honors

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Algebra 2 or concurrent enrollment in Algebra 2

Description: This course is a college preparatory introduction to physics. An emphasis is placed on the student's application of basic relationships in the areas of mechanics energy, work forces, waves, sound and light, which are developed through lab work and lecture. This course is recommended for students who want to sharpen their problem-solving skills for college. A strong background in Algebra is recommended. **This course carries a weighted grade. Scientific calculator required (TI scientific preferred).**

AP Physics

Grade Open To: 10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Physics or Physics Honors

Fees: Students are required to purchase workbook.

Description: This course is designed to prepare students for the Advanced Placement Physics Examination. A reasonable score on this exam will allow students to proficiency out of one or more college physics courses (depending on the college attended). Students perform college level work and are expected to take the Advanced Placement exam. **This course carries a weighted grade.**

Social Science

Economics*

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

Description: This one-semester course gives the student an understanding of our economic system and its principles. Students learn about the factors of production, supply and demand, economic systems other than capitalism, business enterprise, and government in a developing economy. In addition, the student learns the principles of educated purchasing as a consumer through decision-making and money-management processes. Economics is recommended for the college-bound student. **(*This course can be used to meet the consumer education requirement for graduation)**

AP European History

Grade Open To: 10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Description: AP European History is a course that is designed to give students an opportunity to explore in depth key themes and ideas relating to modern European history. The curriculum is comparable to a college introductory European history course and is designed to help students develop a methodology for approaching the AP European history examination. This course will introduce students to various cultural, economic, political, and social developments from 1450 to the present that played a fundamental role in shaping the European world. Throughout the year, students will work to develop an understanding of the principle themes in European history and focus on mastering the skill of analyzing and interpreting historical evidence. There will be a strong emphasis on writing throughout the course, and students will consistently express their historical understanding through writing. Students perform college level work and are expected to take the Advanced Placement exam. **This course carries a weighted grade. This course requires summer reading. Please refer to your school's web site for more information.**

Government

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None (Meets requirement for graduation)

Description: This course focuses on an extensive study of the executive, legislative, and judicial branches of the U.S. Federal Government. State and local governments are also major areas of study. Required tests on the U.S. Constitution, Illinois Constitution, and Flag Code are administered at this time and must be passed to graduate. The student understands the rights and responsibilities of a citizen of the United States and the state of Illinois upon completion of this course.

AP Human Geography

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Description: This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. Students also learn about the methods and tools geographers use in their science and practice. Students perform college level work and are expected to take the Advanced Placement exam. **This course carries a weighted grade. This course may be taken for elective credit only. This course requires summer reading. Please refer to your school's web site for more information.**

Social Science

AP Government and Politics: United States

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: U.S. History or AP U.S. History (Meets requirement for graduation)

Description: This course gives students an analytical perspective on government and politics in the United States. Throughout the course, students learn important facts, concepts and theories pertaining to U.S. government and politics. Students also become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes as they relate to the political process, including the components of political behavior, as well as the principles used to explain or justify various government structures and procedures and their effects. Advanced level reading, extensive writing, and active class participation are required. Students perform college level work and are expected to take the Advanced Placement exam. **This course carries a weighted grade. This course requires summer reading. Please refer to your school's web site for more information.**

AP Microeconomics*

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: U.S. History or AP U.S. History

Description: This course gives students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and role of government in promoting greater efficiency and equity in the economy. Advanced level reading, extensive writing, and active class participation are required. Students perform college level work and are expected to take the Advanced Placement exam. **This course carries a weighted grade. This course requires summer reading. Please refer to your school's web site for more information. (*This course can be used to meet the consumer education requirement for graduation.)**

Psychology

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

Description: This course illustrates various types of psychological, social, and behavioral issues. Students develop the ability to perceive the world around them more objectively and understand the roles and interactions of individuals and groups in society. Topics studied to develop this awareness include human behavior through personality, intelligence, and behavioral and psychological disorders.

AP Psychology

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Description: The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings. Students will learn about explorations and discoveries made by psychologists. Students assess some of the differing approaches adopted by psychologists, including the biological, behavioral, cognitive, humanistic, psychodynamic, and sociocultural approaches. Students will come to an appreciation of how psychologists think and use critical analysis to model their research. Students perform college level work and are expected to take the Advanced Placement exam. **This course carries a weighted grade. This course requires summer reading. Please refer to your school's web site for more information.**

Social Science

Sociology

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

Description: This course is a study of various types of social, cultural, behavioral, and legal issues concerning people today. Students develop the ability to look at the social world around them more objectively. Topics studied to develop this awareness include understanding human behavior through personality, intelligence, and behavior disorders; structures and functions of society; social problems; race and ethnicity; and legal topics.

Street Law

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

Description: This course provides upper-level students the opportunity to analyze, evaluate, and in some situations resolve, legal disputes. The emphasis in this course is on promoting alternative forms of dispute resolution while focusing on current topics in the law. Topics like gang awareness, substance abuse, public policy, guns and civil rights are discussed. This course educates students about legal issues and provides them with practical information and problem-solving skills necessary in our society today.

U.S. History

Grade Open To: 10-11

Term: 1 & 2

Credit: 1.0

Prerequisite: None (Meets requirement for graduation)

Description: This course is a survey of U.S. History, originating with a review of the founding of our nation. It investigates the study of Presidential administrations, and compares major historical events and movements with a focus on the social, economic, and political aspects of America's past. Students are expected to produce analytical essays and to think critically through classroom discussions. Primary and secondary source documents are used.

AP U.S. History

Grade Open To: 10-11

Term: 1 & 2

Credit: 1.0

Prerequisite: None (Meets requirement for graduation)

Description: This college-level course is designed for students who intend to continue their formal education beyond high school. Reading and research in this course are demanding. Students survey American History from the era of exploration and discovery to contemporary events, with a major focus on social, economic, and political aspects of America's past. Students perform college level work and are expected to take the Advanced Placement exam. **This course carries a weighted grade. This course requires summer reading. Please refer to your school's web site for more information.**

Social Science

World Cultures & Geography

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Description: This course is an introduction to our physical environment and the locational characteristics of human activities. It studies the inter-relationships of climate, land forms, vegetation, soils, and natural resources, and their significance to man. Students primarily study the United States and other North American countries during the first semester, and South America, Europe, Asia, Africa, Australia, the Pacific Ocean area, and the Polar Regions during the second semester. Extensive map study is utilized.

AP World History

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Description: The purpose of the course is to develop greater understanding of the evolution of global processes and contacts in different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies. Students perform college level work and are expected to take the Advanced Placement exam. **This course carries a weighted grade. This course requires summer reading. Please refer to your school's web site for more information.**

World History

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Description: This course examines the development of Western culture, from Middle Ages to the aftermath of World War I, by utilizing a chronological approach of instruction. Students are required to work individually and in groups to research and complete projects.

Special Education

The Special Education Department offers a variety of courses and programs designed to assist students with a wide range of learning needs. The difference between general education classes and special education classes is the pace of the curriculum, the modified materials, a lower student/teacher ratio, and individualized instruction tailored to the student's educational needs. Placement in any program or courses listed below is determined at a conference where an Individualized Education Program (IEP) is developed for specific students in order to meet their need for specialized instruction. Procedures for referral, placement, and program development are directed through the Special Education Department. Due to the unique educational needs of some students, certain programs are only offered at one high school campus in the district. Courses are identified based on a student's program (e.g. FND, IND, SCORE).

Critical Skills

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite/Grade Recommendation: IEP Team Recommendation

Description: This special education class is primarily devoted to instruction in reading, math, writing, study skills and transition based on students' needs as identified in their IEP.

Guided Study

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: N/A

Prerequisite/Grade Recommendation: IEP Team Recommendation

Description: This is a structured support class period for students to receive academic monitoring and assistance in core classes based on their learning needs as identified in their IEP.

General Math

Grade Open To: 9-10

Term: 1 & 2

Credit: 1.0

Prerequisite/Grade Recommendation: IEP Team Recommendation

Fees: Students are required to purchase workbook.

Description: This is a special education course designed to provide a foundation in essential math skills. Some of the topics of study include problem solving techniques, decimals, fractions, and pre-algebra concepts. Instruction is individualized as needed.

Algebra 1A

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite/Grade Recommendation: IEP Team Recommendation

Description: This is the first year of a two-year sequence special education algebra course. This course is designed to help students obtain a better understanding of basic math skills and build a foundation for future mathematical study. Some of the topics of study include problem-solving techniques, operations with variables, equation and inequality solving, order of operations, mathematical properties, writing and evaluating expressions, inverse operation, and factorization. Instruction is individualized as needed. *Students will supply their own basic scientific calculators (TI scientific preferred).*

Special Education

Algebra 1B

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite/Grade Recommendation: Algebra I & IEP Team Recommendation

Description: This is the second year of a two-year sequence special education algebra course. This course is designed to help students gain a better understanding of algebra and master its concepts. Some of the topics include: measurement, fraction concepts, percents, ratios, graphing, numeric operations, calculator operations, decimals, integers, equations, statistics, rational numbers, and basic geometry concepts. Instruction is individualized as needed. *Students will supply their own basic scientific calculators (TI scientific preferred).*

Geometry Concepts & Applications

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite/Grade Recommendation: Algebra I, Parts 1 & 2 and IEP Team recommendation

Description: This year long course special education course is designed to help students gain an understanding of general topics in geometry. Students will be able to identify different types of lines and angles and their relationships. Some of the topics covered in this class will include: angle & triangle identification, congruence, similarity & basic trigonometry, quadrilaterals & their properties; solving problems for perimeter, area, volume and surface area. Instruction is individualized as needed.

Practical Math

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite/Grade Recommendation: IEP Team Recommendation

Description: This special education course is designed to aid students to meet challenges faced by most consumers. The topics include: basic skills of computation, calculator applications, evaluating expressions, algebraic formulas, scientific notation, handling savings and checking accounts, loan applications, buying and financing a car, automobile insurance, buying/renting a house, paying income taxes and using tax tables. Instruction is individualized as needed.

English Block 9 or 10

Grade Open To: 9-10

Term: 1 & 2

Credit: 1.0

Prerequisite/Grade Recommendation: IEP Team Recommendation

Fees: Students are required to purchase workbook.

Description: This year long special education course is designed for students that need to build their literary skills. Basic literacy skills such as phonemic awareness, vocabulary development, comprehension, fluency, grammar, and writing skills will be addressed using research based curricular materials. This course is paired with Reading & Reasoning at the 9th and 10th grade levels in order to provide a block of time for literacy development.

English 9, 10, 11 or 12

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite/Grade Recommendation: IEP Team Recommendation

Description: This year long special education course is designed for students that need to build their literary skills. Basic literacy skills such as phonemic awareness, vocabulary development, comprehension, fluency, grammar, and writing skills will be addressed using research based curricular materials.

Special Education

Reading and Reasoning

Grade open to: 9-10

Term: 1 & 2

Credit 1.0

Prerequisite course/grade recommendation: Team recommendation

Fees: Students are required to purchase workbook.

Description: This is a year-long course designed for students who need to build their literacy skills. This course is intended to improve reading comprehension, fluency, vocabulary, critical thinking, and writing. Students enrolled in this course will also be enrolled in English Block 9 or 10. *This course may be taken for elective credit only. This course does not count toward English credit for graduation.

Biology

Grade Level: 9-10

Term: 1 & 2

Credit: 1.0

Prerequisite/Grade recommendations: IEP Team recommendation

Description: This special education course focuses on the study of life. This is a year-long laboratory course that will examine the chemistry of life, the biosphere, populations, cell structure and function, DNA and inheritance, evolution and classification. Emphasis is placed on scientific methodology. Recurring themes include ecology, genetics and evolution. Instruction is individualized as needed.

Investigations into Matter & Energy

Grade Level: 10-11

Term: 1 & 2

Credit: 1.0

Prerequisite/Grade recommendations: IEP Team Recommendation

Description: This is a year-long special education class, which focuses on scientific methodology, the role of science in society, and the basic principles of chemical, physical and earth sciences. Topics covered include: energy and motion, the nature of matter, kinds of substances, interactions of matter, waves, light and sound, electricity and energy resources. This course will include laboratory work. Instruction is individualized as needed. **Students will supply their own basic scientific calculators (TI scientific preferred).**

U S History

Grade Open to: 10-11

Term: 1 & 2

Credit: 1.0

Prerequisite/Grade recommendations: IEP Team Recommendation

Description: This special education course reviews the founding of the nation, the history of our Presidents, and studies major historical events as they relate to America's past and present. Students will be expected to produce projects and assignments, which demonstrate understanding through the use of texts, supplemental materials and teacher-generated curriculum. Instruction is individualized as needed.

Government

Grade Open to: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite/Grade recommendations: IEP Team Recommendation

Description: This special education course studies the executive, legislative and judicial branches of government at the Federal, State and Local levels. Students will gain an understanding of their country's legal system, as well as the rights and responsibilities of a citizen of the United States and the State of Illinois during the semester. Students will be expected to pass the required tests on the U.S. Constitution, Illinois Constitution, as well as show an understanding of the Declaration of Independence and Flag Codes through projects with the use of supplemental materials and teacher-generated curriculum. Instruction is individualized as needed.

Special Education

Economics*

Grade Open To: 11-12

Term: 1 & 2

Credit: 0.5

Prerequisite/Grade Recommendation: IEP Team Recommendation

Description: Economics is a one-semester course that provides the student with special learning needs an understanding of the United States economic system and principles. The students will learn about supply and demand, factors of production, a variety economic systems, business enterprise and government in a developing economy. The student will learn the principles of educated purchasing as a consumer through decision- making and money management processes. Due to the unique learning needs of these students, the curriculum and materials will be modified, and used in conjunction with supplementary materials and teacher-generated materials. (***This course can be used to satisfy the consumer education credit for graduation.**)

Social Skills for Life

Grade Open To: 9-10-11-12

Term: 1 and/or 2

Credit: 0.5 PE credit per semester

Prerequisite/Grade Recommendation: IEP Team Recommendation

Description: This special education course can be taken either as a one-semester course or as a full year course. It is designed to aid students in meeting social and emotional challenges of life. Course themes will include a number of real-life issues such as: coping with anger, maintaining a healthy life-style, conversation skills, making appropriate choices, understanding family dynamics and conflict resolution. Instruction will be tailored to the needs of the class and student participation in a range of activities will be emphasized.

Vocational Education I

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0 (Regional ID# S1100)

Prerequisite/Grade Recommendation: IEP Team Recommendation

Description: This special education course is designed as the first of a two-course orientation level series that will introduce the student to an overview of vocational education and career development. The course will stress career awareness, vocational and self-assessment, introduction to appropriate general work attitudes and behaviors. Student interests and abilities information will be processed to be included in the student's individual vocational plan. Through role-playing, class discussions, reading and writing, students will develop and practice basic work behaviors. Classroom activities will be commensurate with the needs and abilities of the students in relationship to the course objectives. The development of employability skills, as well as transition skills and vocational ethics, will be included in the course. Students may also apply these skills by securing and maintaining a non-paid job within the school.

Vocational Education II

Grade Open To: 10-11-12

Term: 1 & 2

Credit: 1.0 (Regional ID#SI101)

Prerequisite/Grade Recommendation: IEP Team Recommendation

Description: This orientation-level course will build on the type of skills learned in Special Vocational Education I. Course work will stress career exploration, developing a portfolio, enhancing employability skills, improving entry level skills, and exploring outside government and community services to assist in securing and maintaining employment. The vocational assessment process will continue. The development of employability skills, as well as transition skills and vocational ethics, will be included in the course. Students will apply these skills by establishing and running an in-school business.

Special Education

Vocational Education III

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0 (Regional ID# SI202)

Prerequisite/Grade Recommendation: IEP Team Recommendation

Description: This special education course is for junior or senior students. Major units of instruction will include, but will not be limited to, identification and development of basic skills required of an entry-level job. Possible job fields include agriculture, business, family and consumer sciences, industry, or health care. Identification of task mastery will be outlined in each student's individual education plan. The TREES verified task list will be used. Goals for the student include eventual entry to the work world or continued job training at a community college or trade school. Transition planning will also be an integral part of employment preparation. The development of employability skills, as well as transition skills and vocational ethics, will be included in the course. Students will be expected to engage in job shadowing activities.

Vocational Co-Op Class

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0 (Regional ID# SI233)

Prerequisite/Grade Recommendation: IEP Team Recommendation

Description: This preparation-level special education course should be viewed as the capstone course of the vocational program sequence. Commensurate with the student's skills and abilities, the following vocational development areas will be explored: understanding business, developing human relations skills, developing and improving communication skills to include finding, getting and keeping a job, understanding the law and the young worker, developing individual potential, coping with stress and conflicts, meeting adult responsibilities, being part of work organizations, using job related math and money skills, understanding taxation, preparing for future employment, analyzing individual and group job placements with or without job coaches. Transitioning and vocational choices will be explored along with understanding what community and government agencies are available. The development of employability skills and vocational ethics will be included in the course. This course is generally taken in conjunction with Special Education Vocational Co-op Work. **These interrelated cooperative education courses qualify the student to receive consumer education credit toward graduation as required by the *School Code of Illinois* (Section 27-12.1).**

Vocational Co-Op Work

Grade Open To: 11-12

Term: 1 & 2

Credit: 2.0

Prerequisite/Grade Recommendation: IEP Team Recommendation

Fees: None

Description: This course is taken in conjunction with Special Education Vocational Co-Op Class or SCORE Vocational Class. This work-study course is designed to provide vocational training and technology preparation for an occupation, on a part-time basis. Job search components of resume writing, appropriate dress, interview skills and follow-up procedures are taught. Workplace behaviors along with general and specific work skills are emphasized. Each training station must be approved and must provide each student with an average of 15 hours of work a week. The Work Training Partnership Program located at Joliet Junior College will provide each SCORE student training hours based on the recommendations of the IEP Team. The emphasis is on job training rather than remuneration. Staff will conduct Job visitations, and job coaches will be used as appropriate.

Note: *For Cooperative Work Education, see Work Internship in the Applied Arts Section.*

Special Education (SCORE)

Special Education: Secondary Community Occupational & Real-Life Education SCORE

The SCORE Program

Grade Open To: 9-10-11-12

Term: 1 & 2

Credit: 1.0

Prerequisite/Grade Recommendation: IEP Team Recommendation

Fees: None

Description: The emphasis of study for the SCORE program is designed to provide functional academic instruction in reading, math and writing. This program also provides an opportunity to apply the skills learned in the classroom to community-based experiences. The school sites for this program are Plainfield South High School and Plainfield East High School. The program is available to students enrolled in Consolidated Community District 202 as recommended by the IEP team.

Family and Consumer Science

The emphasis of study is individualized to meet the student's Individual Education Plan. The topics covered in this class include the mastery of personal hygiene skills, eating skills, dressing appropriately for the weather and occasion, consumer education, cooking skills, home management & maintenance and basic health & first aide.

Language Arts

The student will study functional academics that will focus on the development of survival skills to allow independent functioning in the community. The course is individualized and driven by the goals developed by the student's Individual Education Plan Team. Areas of concentration include reading, writing, communication/social skills and emotional development.

Math

The students will develop basic Math skills to allow independent functioning in the community. The course will be designed to meet the goals of the student's Individual Education Plan. Areas of concentration will include basic computation skills, measurement skills, and time and money concepts.

Physical Education

The Physical Education program is designed to address the need for exercise, development of leisure activities and promote health and well being in a small, closely monitored class. The goals and objectives are individualized according to the student's needs.

Science (Community)

The program will allow practical application of the skills taught in the classroom through community-based experiences. These trips will include activities that develop skills needed to live as independently as possible. The community trips will access the community to promote the development of recreational and daily living skills.

Social Studies

The program will allow practical application of the skills taught in the classroom through community-based experiences. These trips will include activities that develop skills needed to live as independently as possible. The community trips will access the community to promote the development of recreational and daily living skills.

Vocational

The vocational aspects of this program will involve classroom instruction, in-school training, participation in an in-school business and community training. Classroom instruction includes teaching specific work skills and training of good work habits. In-school training experiences will provide a variety of training opportunities available in the school setting. In-school businesses are established to enhance vocational skill development for the students. Community training is provided to assist the students to secure and maintain paid employment. The curriculum is directly linked to the student's goals identified by the Individual Education Plan and transition plan.

Special Education (STAR PLUS)

STAR PLUS Program

Grade Level: 9 through 12+

Term: 1 & 2

Credit: 1.0

Admission: IEP Team Recommendation

Description: The emphasis of study for the STAR PLUS program is designed to provide functional instructional to foster communication, mobility, participation in activities, and inclusion with the general student body. This program provides an opportunity to apply the skills learned in the classroom to community-based experiences. The school site for this program is Plainfield North High School, and available to students from any of the Plainfield High Schools, if it is recommended by the IEP team.

Courses are consistent with the SCORE program.

The P-STEP Program

Grade/Age Open To: 12+ (Ages 18-22) **Term:** 1 & 2

Credit: N/A

Prerequisite: Completion of four years of high school and IEP Team recommendation

Description: The Post-Secondary Transition and Education Program are designed to provide a seamless transition from high school to adult life for students who are 18-21 years old with disabilities. The program is designed to provide opportunities to develop career/vocational skills, recreational/social skills and basic life skills in a community-based educational setting. To participate in the this program, the student will be 18-22 years of age (services will cease the day before the student's 22 birthday) and have completed 18+ credits or be eligible for graduation. The focus of the program will be to provide the students with skills needed to obtain and maintain community employment and increase independent living skills through the community-based experiences. The program will also focus on the development of social/recreational skills.

Vocational Program

Our students will participate in work training experiences in the community and through the Work Training Partnership with Joliet Junior College. In addition, many of our students will have paid employment in the community. The Work Training Partnership will provide a partial day of training for the students to experience various jobs, with the goals of providing the students with basic training and work experiences to identify their work interests and capabilities. Job coaches will be provided as needed by the students and determined by the Individual Education Plan.

Independent Living Program

Students will develop skills for independent living that include planning, shopping and cooking meals, home first aid, and how to get assistance. Math, reading and writing academics related to independent living and vocational skills will be emphasized.

Leisure/Social Skills Program

Students will apply skills taught in the classroom during the community-based experiences. The community-based trips will include activities and development of skills needed to participate in organized group activities and social awareness of behavior and language to be used in different situations. The focus of the trips and activities will include community safety and the development of leisure activities/interests that will continue into our students' adult lives.

Wilco Area Career Center

Wilco Area Career Center is the result of a cooperative agreement among the high schools of Bolingbrook, Lemont, Plainfield, Romeoville, and Wilmington. By joining together in a centralized facility, the participating schools offer their students a variety of quality vocational and technical education programs in a cost-effective manner.

Auto Body I & II

Grade Open To: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: Introduction to Industrial Technology recommended

Second year of the program is only open to grade 12

Fees: Approximately \$75 for personal tools and safety equipment

Description: The Auto Body program, taught by ASE certified instructors, is made up of many new and innovative techniques to repair today's high-tech automobiles. Students will be instructed in modern repair procedures including safety and basic first aid, handling of flammable materials, estimating repair costs, tool usage and safety, mechanical repairs of the collision field, collision body damage, minor and major dent repair, spray equipment and painting procedures, MIG welding, and car detailing. Advanced students will be instructed in basic paint designs and clear coating procedures. Upon completion of this 2 year program the student will have the opportunity to enter into a number of careers in the automotive related fields: painter, metal person, combination technician, insurance appraiser, parts counter personnel, tow truck driver, and auto body instructor. Upon completion of this course a student may earn college credit towards Nashville Auto-Diesel College. The curriculum will follow the National Automotive Technicians Educational Foundation (NATEF) format. Students will be instructed in non-structural analysis and damage repair (body components) and painting & refinishing. This program will prepare students for the Automotive Service Excellence (ASE) certification. Students will be required to purchase tools and appropriate clothing.

Auto Services (Mechanics) I

Grade Open To: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: None (Introduction to Industrial Technology recommended)

Fees: Approximately \$150.00 for personal tools and safety equipment

Description: The two year auto service program, taught by ASE certified instructors, is designed to train students for entry-level automotive technician positions and/or preparation for post-secondary programs. Students' knowledge of measurement, estimation, and algebra, along with a technology course would be beneficial. First year students will develop skills in vehicle maintenance and repair including, brakes, steering and suspension, and will also learn the basics of electrical and engine performance (sensors). Our curriculum follows the National Automotive Technicians Education Foundation (NATEF) format. This program will prepare students for the Automotive Service Excellence (ASE) certification exams. Students will be required to purchase tools, Wilco coveralls, safety glasses, and nitrile gloves.

Wilco Area Career Center

Auto Services (Mechanics) II

Grade Open To: 12

Term: 1 & 2

Credit: 3.0

Prerequisite: Auto Services (Mechanics I)

Description: Second year students will continue their training in electrical and engine performance after successful completion of Auto Service 1. Students will be completing labs involving diagnosing electrical circuits, sensors, drivability problems, check engine lights, and emission related problems. Upon completion of this two year course students may earn college credit towards Nashville- Auto Diesel, College of DuPage, or Joliet Junior College. Students are encouraged to continue their training through an appropriate technical school, college, or university. Our curriculum follows the National Automotive Technicians Education Foundation (NATEF) format. This program will prepare students for the Automotive Service Excellence (ASE) certification. Assuming students continue to have their tools, safety glasses, coveralls, and nitrile gloves there will be no additional fees but replacement items will be available if needed.

Aviation I

Grade Open To: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Description: Students enrolled in the Aviation program at Wilco will learn the fundamentals of the Aerospace Industry including the theory of flight and maintenance and non-destructive testing. During the second semester, instructional topics will encompass aerodynamics, aircraft design, stability, and control. In addition, students will learn about Federal Aviation Administration regulations and publications, weight and balance, and ground handling of aircraft. This course uses theoretical and practical training applications. Upon successful completion of the program with an 'A' or 'B,' students will be eligible for 6 hours of articulated credit at Lewis University and Moraine Valley Community College. Students may need to provide their own transportation.

Aviation II

Grade Open To: 12

Term: 1 & 2

Credit: 3.0

Prerequisite: Aviation I

Fees: None

Description: Students enrolled in the Aviation program at Wilco will learn the fundamentals of the Aerospace Industry including the theory of flight and maintenance and non-destructive testing. During the second semester, instructional topics will encompass aerodynamics, aircraft design, stability, and control. In addition, students will learn about Federal Aviation Administration regulations and publications, weight and balance, and ground handling of aircraft. This course uses theoretical and practical training applications. Upon successful completion of the program with an 'A' or 'B,' students will be eligible for 6 hours of articulated credit at Lewis University and Moraine Valley Community College. Students may need to provide their own transportation.

Wilco Area Career Center

Building Trades I

Grade Open To: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: None (Introduction to Industrial Technology is recommended)

Fees: Required to purchase tools and appropriate safety gear for approximately \$150.00

Description: This two-year course provides experience related to planning, erection, installation and maintenance of a building structure and development of workplace skills. Emphasis will be placed on rough and finish carpentry, concrete and masonry, interior and exterior finishes, mechanical, electrical and plumbing. Instruction will include safety practices and procedures, workplace skills, building materials, tool identification and use, blueprint reading, cost estimating, scheduling and building codes. Coursework focuses practical application towards completion of a home in a year. This course prepares students for an entry-level position in the construction industry and/or for college-level construction related coursework. Students are required to purchase tools and appropriate safety gear. Second year students have an opportunity to earn credit from Joliet Junior College: AEC 100.

Building Trades II

Grade Open To: 12

Term: 1 & 2

Credit: 3.0

Prerequisite: Building Trades I

Description: Second year students will have the opportunity to take a leadership role such as a foreman on the work site. They will also develop a small personal business plan that they can implement to benefit their future. They will be able to curtail the business plan to fit their strengths and specialty areas of the building trades.

Computer Technology I

Grade Open To: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: None (Introduction to Computer Technology recommended)

Description: This one year course is made up of the following components which allow the student to receive eleven (11) college credits from Joliet Junior College.

Computing Information Systems Fundamentals: This course provides hands-on instruction in theory and practice in the areas of setup, maintenance, software and hardware installation, troubleshooting, circuitry, system configuration, and repair of personal computers. Advanced students will receive instruction on installing and servicing a network, repairing/replacing faulty mechanical and electronic parts. Students will have the opportunity to learn the prerequisite skills necessary to become A+ certified. A+ is an industry standard designation for competency. Students in this course are dual enrolled with **Joliet Junior College: CIS 122.**

Data Communications and Networking: This course provides hands-on instruction in theory and practice in the areas of setup, maintenance, software and hardware installation, troubleshooting, circuitry, system configuration, and repair of personal computers. Advanced students will receive instruction on installing and servicing a network, repairing/replacing faulty mechanical and electronic parts. Students will have the opportunity to learn the prerequisite skills necessary to become A+ certified. A+ is an industry standard designation for competency. Students in this course are dual enrolled with **Joliet Junior College: CIS 145.**

A+ Guide to Managing and Maintaining Your PC: This course provides hands-on instruction in theory and practice in the areas of setup, maintenance, software and hardware installation, troubleshooting, circuitry, system configuration, and repair of personal computers. Advanced students will receive instruction on installing and servicing a network, repairing/replacing faulty mechanical and electronic parts. Students will have the opportunity to learn the prerequisite skills necessary to become A+ certified. A+ is an industry standard designation for competency. **Students in this course are dual enrolled with Joliet Junior College: CIS 275.**

Wilco Area Career Center

Computer Technology II

Grade Open To: 12

Term: 1 & 2

Credit: 3.0

Prerequisite: Computer Technology I

Fees: None

Description: ADVANCED COMPUTER REPAIR 's philosophy is to prepare students with a comprehensive, educational program concerned with life long learning, technology, its evolution, utilization, future path, and current significance, and Industry, its organization, systems, techniques, resources, products, and its impact on society. The preparation and development of soft skills, which allow students to enter, maintain, and advance in a career or enter a post-secondary school. **JJC: CIS 276 / 290 (eight credit hours).**

Cosmetology

Grade Open To: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: Biology

Fees: \$1,500.00 -\$5,600.00 depending on the student's year in school and location of the course

Description This off-campus course is open to students to attend a state-approved school of beauty culture. The professional school will provide the facility, instruction, and clinical training as prescribed by the Illinois Department of Registration and Education. **There is a student fee for this course**, which varies and is subject to change. **Students provide their own transportation.** Registration needs to be done by first year students in early January at the beauty school.

Criminal Justice/Law Enforcement I

Grade Open To: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Fees: None

Description: Introduction to Criminal Justice is a combination of various facets of law and procedure and its application in the United States as well as internationally. Our specific focus is on the law enforcement process of the law and systems affecting everyday life. In the first semester, we will focus on theory, reading and writing, particularly laws and procedure, report writing, communication skills, workplace skills and similar topics. During the 2nd semester, students will focus on how to apply theory to hands-on application and projects, scenarios, competitions, trial observations, etc. **Students enrolled in the program may earn credit from Joliet Junior College: CJS 100 and CJS 110 (six credits).**

Criminal Justice/Law Enforcement II

Grade Open To: 12

Term: 1 & 2

Credit: 3.0

Prerequisite: Criminal Justice/Law Enforcement I

Fees: None

Description: Students enrolled in the second year of this program will have an opportunity to refine developed skills, with greater emphasis on the opportunity to try a variety of experiences. Students will have large group and individual learning activities to accommodate the interests and abilities of the students enrolled. Additional areas of instruction will include: police administration, management styles, social work and probation, court reporting, paralegal services, and expanded use of computer systems. The development of employability skills, as well as transition skills and vocational ethics, will be included in the course. **Students enrolled in the program may earn credit from Joliet Junior College: CJS120 and CJS 230 (six credits).**

Wilco Area Career Center

Culinary Arts I

Grade Open To: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: None, but Foods and Nutrition 1 & 2 are recommended

Fees: First year students- approximately \$50.00 for personal and safety equipment

Description: Students have the opportunity to train in various facets of the Hospitality industry. Our commercial kitchen allows rotations 2-3 days per week in; hot and cold food preparation, catering, bake shop and equipment maintenance. Class instruction completes the week's study with in-depth instruction into culinary workplace employment skills, managerial information and food/nutritional knowledge. ProStart I & II is an accelerated course taught to first year Culinary Arts I students. Math, research and essay writing are all part of the curriculum as well as hands-on activity. All skills are necessary to succeed in this program. Eligibility for competition team membership is optional for students in Culinary Arts I and II. Students should enjoy creativity, be detailed oriented and compatible with various personalities. Opportunity is made available for 11 dual college credits, articulated college credits, state sanitation certification, Illinois Restaurant and the National Restaurant Associations' certifications, ServSafe manager sanitation certification, and scholarship availability with completed coursework requirements. Foods I is recommended for participation in the class. **Upon successful completion of this program, students may earn credit from Joliet Junior College: CA106, HOSP112, and HOSP120 (10 credits).**

Culinary Arts II

Grade Open To: 12

Term: 1 & 2

Credit: 3.0

Prerequisite: Culinary Arts I

Fees: None

Description: Second year students have more emphasis placed on advanced culinary skills, a higher contact with customer relations, increased supervisory & management experiences, an increase in outside activities, becoming a member of the culinary competition team and internship opportunities. Students are required to participate in at least 10 hours per semester of outside community activity (not including field trips), as offered by the instructor. Permitted field trips are offered as additional time outside of the required class activity and are instrumental to education within the Hospitality Industry. **Students who successfully complete the course will earn credit from Joliet Junior College: CA 101 (2 credits).**

Early Childhood Education I

Grade Open To: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: Child Development & Advanced Child Development

Fees: None

Description: Students will participate in assistant teaching by working directly with children ages 3, 4, and 5 years old in the Wilco Preschool Lab. Students will be given proper instructions in designing a preschool curriculum, which includes various learning experiences and playtime activities that promote the physical, cognitive, and social-emotional development of each child. Students also complete various written assignments using the "Working with Young Children" textbook.

Wilco Area Career

Early Childhood Education II

Grade Open To: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: Early Childhood Education I

Fees: None

Description: Returning students continue to teach in the preschool lab, but are considered “experienced teachers.” They assist new students with teaching ideas and questions. Their assignments include working individually with a preschool child to create a “case study book,” developing a Thematic Unit, and designing a preschool floor plan. Second year students have an opportunity to spend time within a childcare site as an intern, if their grades allow. Upon successful completion, students have an opportunity to earn college credit from Joliet Junior College.

Fire Science II or Health Science II

Grade Open To: 12

Term: 1 & 2

Credit: 3.0

Prerequisite: Fire Science I or Health Care I

Fees: Approximately \$40.00 plus \$20.00 for the State Test

Description: Students who enroll in the emergency medical technician program must have successfully completed the first year of **fire science or health care** with a ‘C’ or better. The second year will focus on preparing students for the multiple career areas related to the Fire Service/Health Care fields. In the first semester, students will learn about equipment and assessment used to stabilize victims before the arrival of an ambulance. Students will be dual enrolled in EMS 101/First Responder at Joliet Junior College (4 credit hours). Upon successful completion (a ‘C’/ 77% or better), students may continue into the second semester. The second semester will focus on the care, handling, and extrication of the critically ill and injured. Topics will include airway management, patient assessment, vital signs, cardiopulmonary resuscitation, lifting and moving patients, documentation, communication, pharmacology and cardiac emergencies. A heavy emphasis will be put on medical terminology. The EMT-B programs requires students spend sixteen hours off-campus in a hospital emergency room and twenty-four hours of ambulance ride-time in addition to the classroom. Students who successfully complete the course may take the EMT-Basic exam. **Estimated cost of participation is \$40 plus \$20 for the state exam. Students who successfully pass both semesters will receive credit from Joliet Junior College, EMS 101, EMS201 and EMS209 (14 credits).**

Fire Science

Grade Open To: 11 & 12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Fees: Gear & Safety manual approximately \$75

Description Fire Science will follow the curriculum set forth by the State of Illinois Fire Marshall’s Office, the Illinois Department of Health, and the Department of Transportation. Students will learn through classroom and guided activities the essentials of fire fighting which will include: fire chemistry, building construction, wearing personal protective clothing, identifying ropes, tying knots, using fire extinguishers, performing forcible entry, carrying and raising ladders, operating self-contained breathing apparatus, and auto extrication. Students will learn how to employ search and rescue techniques with ventilation tools and practice hose evolutions on an operating engine, all in a safe environment. **The articulation with Joliet Junior College is FSCI 101, FSCI 102, FSCI 103, and HPR 207 (11 credit hours).**

Wilco Area Career Center

Health Sciences I

Grade Open To: 11 & 12

Term: 1 & 2

Credit: 3.0

Prerequisite: None, but Biology and Health are recommended

Fees: Approximately \$50 scrubs and workbook and \$100 for CNA Exam in the spring and background check

Description: The Health Occupations program is structured to prepare the student for employment as a Certified Nurse Assistant. The curriculum includes all standards and procedures contained in the Illinois Department of Public Health Certified Nurse Aide Instruction Model. The State Nurse Aide Examination can be taken through this course with the completion of 40 hours of on-site clinical experience at a local nursing facility, included in the class structure. Students must have transportation to the clinical site. Upon completion of this course students may chose to continue their education in preparation for any of a number of careers in the health care field i.e.; Registered Nurse, Physical Therapist, Respiratory Therapist, Ultrasound Technician, etc. Students are required to wear appropriate clothing at clinical site. **Student may receive Joliet Junior College credit for NA101 (7.5 credits).**

Medical Assistant I

Grade Open To: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Fees: None

Description: Students will be introduced to the allied health profession of Medical Assisting. Upon completion of this course the student may enter the workforce or continue their education through a junior college or university in Medical Administrative Assistance, Medical Coding and /or Medical Transcription. Topics to be covered include medical terminology, computerized medical office skills, medical assisting skills, Microsoft Office 2010, CPR certification and Basic First Aid. This course is the first of two courses students may take to prepare for a medical assisting career. The course length is two semesters. Suggested prerequisites include: basic math of addition/subtraction and calculator use; computer keyboarding, and health/ life science.

Students have an opportunity to earn credit from Joliet Junior College: CIS 126 or OFS 114, BIO100, HIM101, and HIM 115 (12 credit hours).

Medical Assistant II

Grade Open To: 12

Term: 1 & 2

Credit: 3.0

Prerequisite: Medical Assistant I

Fees: None

Description: Students will build upon skills learned in the Medical Assisting I including, Medical Insurance Basics, Insurance Billing Guidelines, Phlebotomy, Medical Transcription, Medical Administrative Assistant and Medical Terminology (JJC credit). Students will have the opportunity to complete a course in CPR/basic First Aid if this was not obtained during the course of Medical Assisting I. The course length is two semesters. Students will assist instructor in maintaining computer lab and problem solving computer issues that arise from the Medical Assisting I students as part of Computer Information Systems Fundamentals. **Joliet Junior College Credit: HIM102, HIM125, and CIS122 (10 credits).**

Wilco Area Career Center

Nail Technology

Grade Open To: 11 & 12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Fees: \$500.00

Description: This off campus course is open to students to attend a state-approved school of nail technology. Students will develop good communication skills, time management, and an eye for detail. Emphasis will be placed on all aspects of nail care, nail problems, artificial nails, and nail products. **There is a student fee of this course. Students provide their own transportation.** This program is located in Lemont.

Welding and Fabrication I

Grade Open To: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: Introduction to Industrial Technology is recommended

Fees: \$70.00 for welding supplies and safety equipment

Description: The students will learn to perform welds on similar and dissimilar metals using all positions. The students' ability to operate, adjust, and safely control power sources and gas equipment is essential. Students will learn how to braze weld, gas weld, shielded metal arc weld, mig & tig weld, gas cutting, and plasma arc cutting. Blueprint reading and the use of weld symbols are also stressed. Students will learn to be a combination welder and work toward certification. Upon completion of this course a student may earn college credits through **Joliet Junior College: WELD114, WELD115, WELD121, and WELD122 (six credits)**. Students are required to purchase necessary tools and safety clothing.

Welding and Fabrication II

Grade Open To: 12

Term: 1 & 2

Credit: 3.0

Prerequisite: Welding and Fabrication I

Fees: None

Description: This course will emphasize development of advanced skills in metal arc welding, brazing, and flame-cutting. Instruction will include safety practices, properties of metals, electrical principles, and advanced welding methods and equipment. Students will utilize MIG, TIG, and semi-automatic equipment to complete their various projects and activities. The development of employability skills, as well as transition skills, and vocational ethics, will be included in the course. **Joliet Junior College credit available: WELD123, WELD141, WELD132, and WELD142 (six credits)**

Non-Departmental Courses

Test Preparation

Grade Open To: 10 & 11

Term: 1 or 2

Credit: 0.5 (elective)

Prerequisite: None

Fees: Approximately Cost of required ACT workbook

Description: Students will have the opportunity to assess their academic strengths and weaknesses through various activities as well as through retired ACT exams. The course will teach students several methods for mastering test-taking skills as well as the sort of skills tested on standardized exams such as the ACT and SAT.

Reading and Reasoning

Grade open to: 9

Term: 1 & 2

Credit: 1.0

Prerequisite: Placement only

Description: This course is intended to improve reading comprehension, fluency, word recognition, critical thinking skills and reading rate in all content areas. Additionally, this course enhances the enjoyment of reading for pleasure. Students enrolled in this course are also enrolled in an English course. *This course may be taken for elective credit only. This course does not count toward English credit for graduation.*

Reading and Reasoning II

Grade Open To: 10-11- 12

Term: 1 or 2

Credit: 0.5

Prerequisite: Placement only

Description: This course is intended to improve reading comprehension, critical thinking, study skills, and reading rate in all content areas. Students enrolled in this course are also enrolled in an English course. *This course may be taken for elective credit only and does not count toward English credit for graduation.*

Reading Seminar

Grade Open To: 9

Term: 1 & 2

Credit: 1.0

Prerequisite: Placement only

Description: This course is designed to delve deeper into concepts such as reading comprehension, advanced vocabulary skills, critical thinking, study skills, and reading rate in all content areas. Additionally, this course promotes a student's ability to integrate information into their reading and writing. Students enrolled in this course are also enrolled in English 9. *This course may be taken for elective credit only and does not count toward English credit for graduation.*

Four-Year Planning Guide

Student _____ Graduation Year _____ Counselor _____ Date _____

<p>FRESHMAN</p> <p>1. English _____</p> <p>2. Math _____</p> <p>3. Science _____</p> <p>4. Health & Wellness _____</p> <p>5. _____</p> <p>6. _____</p> <p>Summer School</p> <p>Session 1 _____</p> <p>Session 2 _____</p>	<p>SOPHOMORE</p> <p>1. English _____</p> <p>2. Math _____</p> <p>3. Science _____</p> <p>4. _____</p> <p>5. _____</p> <p>6. _____</p> <p>Summer School</p> <p>Session 1 _____</p> <p>Session 2 _____</p>
<p>JUNIOR</p> <p>1. English _____</p> <p>2. Math _____</p> <p>3. Science _____</p> <p>4. _____</p> <p>5. _____</p> <p>6. _____</p> <p>Summer School</p> <p>Session 1 _____</p> <p>Session 2 _____</p>	<p>SENIOR</p> <p>1. English _____</p> <p>2. _____</p> <p>3. _____</p> <p>4. _____</p> <p>5. _____</p> <p>6. _____</p> <p>Summer School</p> <p>Session 1 _____</p> <p>Session 2 _____</p>

GRADUATION REQUIREMENT CHECKLIST

Course	Required	College Prep (Recommended)	Earned
English	4.0	4.0	_____
Mathematics	3.0	3.0	_____
Science	3.0 / 2.0	3.0	_____
Consumer Education	0.5		_____
Social Science		3.0	
U.S. History	1.0		
Government	0.5		_____
Elective	0.5		
Economics	0.5		_____
Physical Education			
P.E. Class	2.5		_____
Health/Wellness	1.0		_____
Driver Education	0.5		_____
Art/World Languages/Music/CTE	1.0	2.0 (Foreign Language)	_____
Electives	4.5		_____
Total Credits	21.0		

❖ Some state colleges and universities allow coursework in Art, Music or Career and Technical Education (Business, Family and Consumer Science, Industrial Technology, Wilco). Students should check the requirements for the college(s) they plan to attend.

❖ The class of 2012 and beyond will be required to complete 3.0 science credits for graduation (Biology, Chemistry, and Physics).