

Your



PHS

# COURSE CATALOG



EVERYTHING  
YOU NEED TO KNOW

ABOUT

EVERYTHING  
YOU NEED TO KNOW

# PARIS HIGH SCHOOL

PARIS, IL



# REAL EDUCATION. REAL RESULTS.



This is YOUR course catalog that has been published for YOU, a student of Paris High School. We hope that you will gain information on school offerings and academic services from this book. Inside you will find course offerings and a multitude of certifications and college credit courses that are offered at Paris High School.

## *Belief Statement*

The fundamental beliefs of the school are incorporated into the philosophy of education as follows:

1. The learning process needs to be THE priority. It needs to be transparent, open, and inviting in order for the students, parents, staff and community to be engaged.
2. Every student can learn and need to be rigorously challenged at their current level of achievement.
3. All students want to participate in an educational environment which inspires continuous learning, provides opportunities to excel and is guided by positive role-models and mentors.
4. Teachers should model life-long learning and embrace new ideas and technology.
5. School leaders are risk takers, committed to the educational goals of the community, vigilant in obtaining and sharing new knowledge for the operation of the school, and are providing the best educational environment, in a fair and equitable manner.
6. Parents are the most important people in their child's development and are responsible for their child becoming productive members of society.
7. The community needs to be united in the common goal of providing the best possible education through networking and resource sharing, while the school needs to reach out to insure a cooperative citizenry.



# A Letter From The Principal

Dear Paris High School Students,

This course catalog describes the over 100 courses offered at Paris High School! It is YOUR guide to helping choose the path your academic career will take while in high school.

You have important decisions to make. My wish is that this catalog will help in making those decisions a little easier. Don't be afraid to try something new, take an academic risk and allow yourself to discover new insights and prospects for your future.

We are here for you and it is my goal that you meet yours!

Mr. Cox



CHRISTIAN COLVIN  
Photography

# Dual Credit

Students who complete dual credit courses will receive credit for a high school course at PHS and semester hours at Lake Land College.

The following dual credit courses are currently offered at Paris High School:

HONORS COMPOSITION

MANUFACTURING SKILLS

HEALTH OCCUPATIONS (NURSING ASSISTANT)

ECCEL BUSINESS PROGRAM

MECHANICAL DRAFTING

WELDING

PRACTICAL SOFTWARE APPLICATION

DRAFTING/CAD

PRE-CALCULUS

MACHINE TOOL TECH 2

# Advanced Placement

Advanced Placement is a program of rigorous college-level courses and exams. Many colleges and universities allow entering freshman to receive credit for one to three semesters of college work if they have earned an acceptable grade on an Advanced Placement Exam.

Paris High School currently offers the following AP Courses:

AP ENGLISH LITERATURE & COMPOSITION

AP CALCULUS AB

AP CHEMISTRY

AP U.S. HISTORY



# Career Development

Upon successful completion of course work, students can gain the following certifications:

EMS HEALTH SERVICES PROGRAM CERTIFICATION

CULINARY OCCUPATIONS SERV SAFE SANITATION

ECE LEVEL 1 CARE & LEARNING SERVICES

WELDING CERTIFICATE

OSHA 10HR GENERAL INDUSTRY HEALTH & SAFETY

IC3 BUSINESS CERTIFICATION

MICROSOFT OFFICE SPECIALIST (MOS)



# Work Placement

Cooperative Education is a capstone course designed to assist students in the development of effective skills and attitudes through practical, advanced instruction in school and on the job through cooperative education. Students are released from school for their paid cooperative education work experience and participate in 200 minutes per week of related classroom instruction.

## College Day Visits

A student may be excused from school twice during the senior year for college visits and once during the spring semester of the junior year, it is important to choose wisely and make the most of your time while on campus.

Parents or guardians are urged to go with you.

Visiting a prospective college can be an immense help in selecting the right college or vocational school. A visit is the best way to get the “feel” of whether a campus provides an environment that will encourage students to be productive. Many colleges and universities designate certain days each year as special visitation days for prospective students and their parents.

# COURSE DESCRIPTIONS



## Agriculture

### **Intro. to the Agricultural Industry 18001A001**

1 year, 1 credit

Prerequisites: None.

Description: This course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of agriculture at state, national and international levels; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, soil science, horticulture, natural resources, agribusiness management, and agricultural mechanics, will be presented. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

### **Basic Agricultural Science 18003A001**

1 year, 1 credit

Prerequisites: Introduction to the Agricultural Industry or teacher consent.

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

### **Horticultural Production & Management 18051A001**

1 year, 1 credit

Prerequisites: Basic Agricultural Science or consent of the instructor

Description: This course offers instruction in both the greenhouse production and landscape areas of horticulture. Units of study include plant identification, greenhouse management, growing greenhouse crops, landscape design, installation, and maintenance, horticulture mechanics, nursery management, and turf production. Agribusiness units will cover operating a horticultural business, pricing work, advertising, and sales. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.



**Animal Science 18101A001**

1 year, 1 credit

Prerequisites: Agricultural Science with a C or above. Open to juniors and seniors.

Description: This course is designed to reinforce and extend students understanding of science by associating scientific principles and concepts with relevant applications in agriculture. Students will examine major phases of animal agriculture and specific biological science concepts that govern management decisions in the animal industry. Topics of study are in the areas of growth and development of animals – embryology, ethology, nutrition, immunity systems, and processing animal products – preservation, fermentation, and pasteurization. The course will be valuable preparation for further education and will increase the relevance of science through the applied setting of agriculture by enhancing literacy in science and the scientific process. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course

**Agricultural Mechanics and Technology 18402A001**

1 year, 1 credit

Prerequisites: Open to juniors or seniors.

Description This course will concentrate on expanding student's knowledge and experiences with agricultural mechanics technologies utilized in the agricultural industry. Units of instruction included are: design, construction, fabrication, maintenance, welding, electricity/electronics, internal combustion engines, hydraulics, and employability skills, Careers of agricultural construction engineer, electrician, plumber, welder, equipment designer, parts manager, safety inspector, and other related occupations will be examined. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

**Agricultural Business Management 18201A001**

1 year, 1 credit

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

**Welding 18401A002**

1 year, 1 credit

Prerequisites: Open to juniors and seniors.

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

# Art

## **Art History 05152A000**

1 semester, ½ credit

Prerequisites: None.

Description: Art History courses introduce students to significant works of art, artists, and artistic movements that have shaped the art world and have influenced or reflected periods of history. These courses often emphasize the evolution of art forms, techniques, symbols, and themes.

## **Creative Art — Drawing/Painting 05155A000**

1 semester, ½ credit

Prerequisites: B or better in previous art courses. Must at least be sophomores and have taken Creative Art—Comprehensive or Art History

Description: Creative Art—Drawing/Painting courses cover the same topics as Creative Art—Comprehensive courses, but focus on drawing and painting. In keeping with this attention on two-dimensional work, students typically work with several media (such as pen-and-ink, pencil, chalk, watercolor, tempera, oils, acrylics, and so on), but some courses may focus on only one medium.

## **Creative Art — Sculpture 05158A000**

1 semester, ½ credit

Prerequisites: B or better in previous art courses. Must at least be sophomores and have successfully completed Creative Art—Comprehensive or Art History.

Description: Creative Art—Sculpture courses cover the same topics as Creative Art—Comprehensive courses, but focus on creating three-dimensional works. Students typically work with several media (such as clay, ceramics, wood, metals, textiles, and so on), but some courses may focus on only one medium.

## **Crafts 05165A000**

### **Crafts 2 05154A000**

1 semester, ½ credit

Prerequisites: Must have earned a B or better in previous art courses. Must be sophomores and have successfully completed Creative Art—Comprehensive or Art History.

Description: Crafts courses teach the same lessons as Creative Art—Comprehensive courses, but do so with a focus on crafts. These courses may survey a wide range of crafts, or they may focus on only one type of craft; possibilities include calligraphy, quilting, silk-screening, cake-decorating, tole-painting, mask-making, knitting, crocheting, paper-making, and so on.

## **Photography 05167A000**

1 semester, ½ credit

Prerequisites: B or better in previous art courses. Must be at least sophomores and have taken Art History or Creative Art—Comprehensive.

Description: Photography courses expose students to the materials, processes, and artistic techniques of taking artistic photographs. Students learn about the operation of a camera, composition, lighting techniques, depth of field, filters, camera angles, and film development. The course may cover black-and-white photography, color photography, or both. As students advance, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic style. These courses may also cover major photographers, art movements, and styles.

## **Computer-Assisted Art 05169A000**

1 semester, ½ credit

Prerequisites: Upperclassmen who have successfully completed Photography.

Description: Computer-Assisted Art courses enable students to discover and explore how the computer can be used to create or to assist in producing various forms of artwork. Computer-Assisted Art courses provide the opportunity to become more adept in both the art form and in the use of the computer.



**Art Appreciation 05201A000**

1 semester, ½ credit

Prerequisites: Upperclassmen with a B average. May earn 3 semester hours at Lake Land College.

Description: Art Appreciation courses introduce students to the many forms of art and help them form an aesthetic framework through which they can judge and critique art of various ages and cultures. These courses also explore the place and significance of art in our society.

**Art Portfolio 05170A000**

1 year, 1 credit

Prerequisites: Maintain a B or higher in all art courses. For those interested in a collegiate career in an art field and who have taken at least 3 art courses.

Description: Art Portfolio courses offer students the opportunity to create a professional body of work that reflects their personal style and talent. Students are often encouraged to display their work publicly.

# Business

**Career Exploration 22151A000**

1 semester, ½ credit

Prerequisites: None. Required for freshmen

Description: Career Exploration courses help students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills.

**Computer Concepts & Software Application 10004A001**

1 semester, ½ credit

Prerequisites: None.

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

**Practical Software Application 12002A001**

1 semester, ½ credit

Prerequisite: Computer Concepts or instructor consent, upperclassmen. May earn 3 semester hours at Lake Land College.

Description: Provides an opportunity for the student to work with various types of computer software. These learning activities include MS Windows, word processing, spreadsheet design, database management, Internet access, and presentation software.

**Entrepreneurship 12053A001**

1 semester, ½ credit.

Prerequisites: None.

Description: Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included.

**Business & Technology Concepts 12001A001**

1 semester, ½ credit

Prerequisites: None

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

**Keyboarding and Formatting 12005A001**

1 semester, ½ credit

Prerequisites: None

Description: Keyboarding and Formatting is a course designed to develop basic skills in touch keyboarding techniques for entering alphabetic, numeric, and symbol information found on computers and terminals. Students will learn to edit and format text and paragraphs, change fonts, work with headers and footers, cut and paste text, create and use tab keys, create labels, and work with multiple windows. Students will format documents such as letters, envelopes, memorandums, reports, and tables for personal, educational, and business uses. During the second half of the course, major emphasis is placed on formatting documents, improving proofreading skills, and increasing speed and accuracy.

**Accounting I 12104A001**

1 year, 1 credit

Prerequisites: Open to sophomores and up.

Description: Accounting I is a course that assists students pursuing a career in business, marketing, and management. This course includes planned learning experiences that develop initial and basic skills used in systematically computing, classifying, recording, verifying and maintaining numerical data involved in financial and product control records including the paying and receiving of money. Instruction includes information on keeping financial records, summarizing them for convenient interpretation, and analyzing them to provide assistance to management for decision making. Accounting computer applications should be integrated throughout the course where applicable. In addition to stressing basic fundamentals and terminology of accounting, instruction should provide initial understanding of the preparation of budgets and financial reports, operation of related business machines and equipment, and career opportunities in the accounting field. Processing employee benefits may also be included.

**Accounting II 12104A002**

1 year, 1 credit

Prerequisites: Successful completion of Accounting I and consent of the instructor

Description: Accounting II is a course that builds upon the foundation established in Accounting I. This course is planned to help students to develop deeper knowledge of the principles of accounting with more emphasis being placed on financial statements and accounting records. It is a study of previously learned principles as they apply to the more complicated types of business organizations: partnerships, corporations, branches, etc. The students may become familiar with such specialized fields of accounting as cost accounting, tax accounting, payroll accounting, and others. Some students may choose to do specialized accounting computer applications, and others may elect payroll clerk, data processing computer applications. Simulated business conditions may be provided through the use of practice sets. Skills are developed in the entry, retrieval, and statistical analysis of business data using computers for accounting business applications.

**Business Management (yearbook) 12052A001**

1 year, 1 credit

Prerequisites: None.

Description: Business Management courses acquaint students with management opportunities and effective human relations. These courses provide students with the skills to perform planning, staffing, financing, and controlling functions within a business. In addition, they usually provide a macro-level study of the business world, including business structure and finance, and the interconnections among industry, government, and the global economy. The course may also emphasize problem -based, real-world applications of business concepts and use accounting concepts to formulate, analyze, and evaluate business decisions.

**Digital Literacy& Responsibility 10008A001**

1 semester, ½ credit

Prerequisites: None.

Description: This foundation-level course prepares students to use technology in a proficient and responsible manner in school, in the workforce, and in everyday life. The course contains skills for working in an Internet or networked environment and the knowledge of what it means to be a good digital citizen and the ability to use technology responsibly. Topics include the benefits and risks of sharing information online, and the possible consequences of inappropriate sharing (oversharing). Students explore the legal and ethical dimensions of respecting creative work. Technology use is a vital employability skill for entry-level and upper-level management positions. Students may be provided with the opportunity to seek industry-recognized digital literacy certifications.

**ECCEL Academy 10008A001**

1 year, 1 credit

Prerequisites: Open to Juniors and Seniors

Description: This foundation-level course prepares students to use technology in a proficient and responsible manner in school, in the workforce, and in everyday life. The course contains skills for working in an Internet or networked environment and the knowledge of what it means to be a good digital citizen and the ability to use technology responsibly. Topics include the benefits and risks of sharing information online, and the possible consequences of inappropriate sharing (oversharing). Students explore the legal and ethical dimensions of respecting creative work. Technology use is a vital employability skill for entry-level and upper-level management positions. Students may be provided with the opportunity to seek industry-recognized digital literacy certifications.

**Cooperative Education 22153A001**

1 year, 1-4 periods, 1-5 credits

Prerequisites: Seniors only. Approval of application and C average. Will count as Economics credit.

Description: Cooperative Education is a capstone course designed to assist students in the development of effective skills and attitudes through practical, advanced instruction in school and on the job through cooperative education. Students are released from school for their paid cooperative education work experience and participate in 200 minutes per week of related classroom instruction. Classroom instruction focuses on providing students with job survival skills and career exploration skills related to the job and improving students' abilities to interact positively with others. For skills related to the job, refer to the skill development course sequences, the task list or related occupational skill standards of the desired occupational program. The course content includes the following broad areas of emphasis: further career education opportunities, planning for the future, job-seeking skills, personal development, human relationships, legal protection and responsibilities, economics and the job, organizations, and job termination. A qualified career and technical education coordinator is responsible for supervisions. Written training agreements and individual student training plans are developed and agreed upon by the employer, student and coordinator. The coordinator, student and employer assume compliance with federal, state and local laws and regulations.

**Consumer Econ/Personal Finance 22210A000**

1 semester, ½ credit, non-CTE course

Prerequisites: Seniors. Graduation Requirement.

Description: Consumer Economics/Personal Finance courses provide students with an understanding of the concepts and principles involved in managing one's personal finances. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. These courses may also provide an overview of the American economy.

# Computer and Information Sciences

**Visual Basic Programming 10153A000**

1 semester, ½ credit

Prerequisites: None.

Description: Visual Basic (VB) Programming courses provide an opportunity for students to gain expertise in computer programs using the Visual Basic (VB) language. As with more general computer programming courses, the emphasis is on how to structure and document computer programs and how to use problem-solving techniques. These courses cover such topics as the use of text boxes, scroll bars, menus, buttons, and Windows applications. More advanced topics may include mathematical and business functions and graphics.

**C++ Programming 10154A000**

1 semester, ½ credit

Prerequisites: Successful completion of Visual Basic Programming.

Description: C++ Programming courses provide an opportunity for students to gain expertise in computer programs using the C++ language. As with more general computer programming courses, the emphasis is on how to write logically structured programs, include appropriate documentation, and use problem-solving techniques. More advanced topics may include multi-dimensional arrays, functions, and records.

**Java Programming 10155A000**

1 semester, ½ credit

Prerequisites: Successful completion of C++ Programming.

Description: Java Programming courses provide students with the opportunity to gain expertise in computer programs using the Java language. As with more general computer programming courses, the emphasis is on how to structure and document computer programs, using problem-solving techniques. Topics covered in the course include syntax, I/O classes, string manipulation, and recursion.

**Computer Programming 10197A000**

1 semester, ½ credit

Prerequisites: Successful completion of Visual Basic Programming, C++, Java Programming or permission of the Instructor.

Description: Computer Programming—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to computer programming. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.



# English

**As upperclassmen, students must take a combination of literature and writing/speech courses. During the junior year, students may choose a literature elective for the first semester, but must take Composition second semester if they are not enrolled in English Literature and Composition or Composition (Honors).**

## **English/Language Arts I 01001A000**

1 year, 1 credit

Prerequisites: None. Required for freshmen.

Description: English/Language Arts I (9th grade) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections.

## **English/Language Arts II 01002A000**

1 year, 1 credit

Prerequisites: Successful completion of English/Language Arts I. Required for sophomores.

Description: English/Language Arts II (10th grade) courses usually offer a balanced focus on composition and literature. Typically, students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message.

## **AP English Literature and Comp. 01006A000**

1 year, 1 credit

Prerequisites: Upperclassmen with a B average in English

Description: Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Literature and Composition courses enable students to develop critical standards for evaluating literature. Students study the language, character, action, and theme in works of recognized literary merit; enrich their understanding of connotation, metaphor, irony, syntax, and tone' and write compositions of their own (including literary analysis, exposition, argument, narrative, and creative writing).

## **American Literature 01054A000**

1 semester, ½ credit

Prerequisites: Passed Eng/Lang Arts I and II

Description: American Literature courses focus upon commonly known American authors and their work. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the selected works and as they understand how the literature reflects the society of the time. Oral discussion is an integral part of literature courses, and written compositions are often required.

## **World Literature 01058A000**

1 semester, ½ credit

Prerequisites: Passed English/Language Arts I and II

Description: World Literature courses use representative literature selections from ancient and/or modern times from countries around the world. Students improve their critical-thinking skills as they comprehend the diversity of literary traditions and the influences of those traditions. Oral discussion is an integral part of literature courses, and written compositions are often required.

**Monster Archetypes in Literature 01061A000**

1 semester, ½ credit

Prerequisites: Passed English/Language Arts I & II

Description: These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), focusing on one or several genres, such as poetry, essay, biography, short story, drama and so on. Students determine the underlying assumptions and values within the selected works and also examine the structure, techniques, and intentions of the genre being studied. Oral discussion is an integral part of these genre-oriented courses, and written compositions are often required.

**War Literature 01061A000**

1 semester, ½ credit

Prerequisites: Passed English/Language Arts I & II

Description: These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), focusing on one or several genres, such as poetry, essay, biography, short story, drama and so on. Students determine the underlying assumptions and values within the selected works and also examine the structure, techniques, and intentions of the genre being studied. Oral discussion is an integral part of these genre-oriented courses, and written compositions are often required.

**Autobiographies and Memoirs 01061A000**

1 semester, ½ credit

Prerequisites: Passed English/Language Arts I and II

Description: These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), focusing on one or several genres, such as poetry, essay, biography, short story, drama and so on. Students determine the underlying assumptions and values within the selected works and also examine the structure, techniques, and intentions of the genre being studied. Oral discussion is an integral part of these genre-oriented courses, and written compositions are often required.

**Composition 01103A000**

1 semester, ½ credit

Prerequisites: Passed English/Language Arts I and II. Juniors must take this course or AP Eng.

Description: Composition courses focus on students' writing skills and develop their ability to compose different types of papers for a range of purposes and audiences. These courses enable students to explore and practice descriptive, narrative, persuasive, or expository styles as they write paragraphs, essays, letters, applications, formal documented papers, or technical reports. Although composition courses may present some opportunities for creative writing, their focus usually remains on nonfiction, scholarly, or formal writing.

**Composition (Honors) 01103A000**

1 year, 1 credit

Prerequisites: To take as Lake Land College dual credit Comp I and II, students must have a B average in English and a proficient score on the Lake Land placement test.

Description: Composition courses focus on students' writing skills and develop their ability to compose different types of papers for a range of purposes and audiences. These courses enable students to explore and practice descriptive, narrative, persuasive, or expository styles as they write paragraphs, essays, letters, applications, formal documented papers, or technical reports. Although composition courses may present some opportunities for creative writing, their focus usually remains on nonfiction, scholarly, or formal writing.

**Professional and Technical Writing 01105A000**

1 year, 1 credit

Prerequisites: Seniors only. Passed English/Language Arts I and II.

Description: Research/Technical Writing classes prepare students to write research papers and/or technical reports. These classes emphasize researching (primary and secondary sources), organizing (material, thoughts, and arguments), and writing in a persuasive or technical style.

**Creative Writing 01104A000**

1 semester, ½ credit

Prerequisites: Passed English/Language Arts I and II.

Description: Creative Writing courses offer students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and other forms of prose. The emphasis of the courses is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft. Although most creative writing classes cover several expressive forms, others concentrate exclusively on one particular form (such as poetry or playwriting).

**Applied English and Communications 01156A000**

1 semester, ½ credit

Prerequisites: Seniors only. Passed English/ Language Arts I and II

Description: Applied English and Communications courses teach students communication skills—reading, writing, listening, speaking—concentrating on “real-world” applications. These courses usually emphasize the practical application of communication as a business tool—using technical reports and manuals, business letters, resumes, and applications as examples—rather than emphasize language arts skills as applied to scholarly and literary materials.

**Journalism 01149A000**

1 year, 1 credit

Prerequisites: Passed English/Language Arts I and II. May be taken for English credit as a senior. Elective credit will be given during junior year.

Description: Journalism courses (typically associated with the production of a school newspaper, yearbook, or literary magazine) emphasize writing style and technique as well as production values and organization. Journalism courses introduce students to the concepts of newsworthiness and press responsibility; develop students’ skills in writing and editing stories, headlines, and captions; and teach students the principles of production design, layout, and printing. Photography and photojournalism skills may be included.

# *Family and Consumer Science*

**Nutrition and Culinary Arts I 16054A001**

1 semester, ½ credit

Prerequisites: None

Description: This course includes classroom and laboratory experiences needed to develop a knowledge and understanding of culinary principles and nutrition for people of all ages. Course content encompasses: food service and preparation management using the decision-making process; meeting basic needs by applying nutrition concepts; meeting health, safety, and sanitation requirements; maximizing resources when planning/preparing/preserving/serving food; applying hospitality skills; analyzing nutritional needs in relation to change; and careers in nutrition and culinary arts, including entrepreneurship investigation.

**Nutrition and Culinary Arts II 16054A002**

1 semester, ½ credit

Prerequisites: Open to sophomores and up who had at least a C average in Nutrition & Culinary Arts I.

Description: Nutrition and Culinary Arts II provides principles of application into the hospitalities industry, including nutrition, culinary, and entrepreneurial opportunities. Course content includes the following: selection, purchase, preparation, and conservation of food, dietary needs and trends, regional and international cuisine, safety and sanitation, and careers in food service industries. All of these concepts can be interpreted through laboratory experiences.

**Culinary Occupations 16052A001**

1 semester, ½ credit

Prerequisites: Successful completion of Nutrition and Culinary Arts II

Description: This course provides terminology, culinary math, and practical experiences needed for the development of culinary competencies and workplace skills. Safety and sanitation instruction and classroom application will prepare students for an industry recognized sanitation exam. Classroom experiences will develop skills to work in the front of the house, back of the house, and work stations. Additional content may include: event planning, customer service and relations, food service styles, baking and pastry arts, hors d'oeuvres, and breakfast cookery. Students will be provided opportunity training experiences on commercial equipment.

**Child Development and Parenting 19052A001**

1 semester, ½ credit

Prerequisites: None.

Description: Child Development and Parenting addresses the knowledge, skills, attitudes and behaviors associated with supporting and promoting optimal growth and development of infants and children. The focus is on research-based nurturing and parenting practices and skills, including brain development research, that support positive development of children. Students will explore opportunities in human services and education-related careers and develop a career portfolio.

**Care & Learning Services Occupations 19054A001**

1 year, 2 periods, 2 credits

Prerequisites: Open to juniors and seniors who had a B average in Child Development & Parenting. Must have good attendance, good attitude, and be able to work independently and in groups.

Description: This course provides students with information and practical experiences needed for the development of competences related to child/adult care, day care, and other education services occupations. Laboratory experiences, either in a school-based or worksite learning facility, are included throughout the class. Students meet standards in developing programs and assisting with children's and/or adult's activities. Classroom study includes the philosophy and management of care centers and the state and local regulations governing care-giving operations. The learning experiences will involve working with children/adults simulating those found in business and industry, as well as preparation for developing and facilitating these activities.

**Textiles and Design I 19201A001**

1 semester, ½ credit

Prerequisites: None. Students must provide material for 2 to 3 projects.

Description: This course is designed to provide basic knowledge and understanding of the design, development, and production of textile products. Through hands-on and project based learning experiences, students will discover fiber characteristics, fabric construction methods, elements of science and design in textiles and apparel, and basic construction skills used in interior furnishings and apparel industries. This course emphasizes awareness and investigation of careers and industry trends in textiles.

**Textiles and Design II 19203A001**

1 semester, ½ credit

Prerequisites: Open to sophomores and up who had a B average in Textiles and Design I and teacher consent. Students must provide material for 2 to 3 projects and be able to work independently.

Description: This project-based course focuses on the implementation and recognition of design principles in selecting, constructing, altering and remodeling textile products. Project management skills, including efficient use of time, materials, technique, and tools are incorporated throughout the course. Topics include: engineered fabric constructions; fiber and textile trends; color theory; principles of design; fabric finishes; industry construction techniques; use of industry tools, equipment and terminology; knowledge of resources and vendors; research and evaluation of textile products for special needs population; impacts of technology; construction, alteration and re-design skills; and simple flat pattern design and recognition.



**Parenting 22204A001**

1 semester, ½ credit

Prerequisites: Open to sophomores and up.

Description: This course helps students understand the responsibilities, satisfactions and stresses of parenthood. Course content includes the following: managing and organizing parenting by applying decision-making and goal-setting skills; applying the basic principles of the parenting process; practicing health and safety standards as related to parenting; providing experiences which encourage parents and children to maximize resources; encouraging human relations skills in children/adolescents; community resource agencies and services; and evaluating impact on parenting of family and career changes.

# Foreign Language

**Spanish I 06101A000**

1 year, 1 credit

Prerequisites: At least a B average in regular English

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

**Spanish II 06102A000**

1 year, 1 credit

Prerequisites: Passed Spanish I

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

**Spanish III 06103A000**

1 year, 1 credit

Prerequisites: Passed Spanish I and II

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

**Spanish IV 06104A000**

1 year, 1 credit

Prerequisites: Passed Spanish I, II and III

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

# Health Occupations

## **Medical Terminology 14154A001**

1 Semester, ½ credit

Description: In Medical Terminology courses, students learn how to identify medical terms by analyzing their components. These courses emphasize defining medical prefixes, root words, suffixes, and abbreviations. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions

## **Health Occupations 14051A001**

1 year, 2 periods, 2 credits

Prerequisites: Open to upperclassmen with good attendance who pass screening process. Student provides uniforms and transportation. May earn 12 semester credits at Lake Land College.

Description: The course is composed of a combination of subject matter and experiences designed to perform tasks of individuals receiving nursing services. The student learns those competencies needed to perform as a nurse assistant under the direction of the registered nurse. The units of instruction should include the role of the nurse assistant while covering general health care topics; medical terminology; patients/clients and their environment, special feeding techniques; psychological support and, in long term and terminal illness, death and dying (e.g., chronically ill, children, new mothers, and so on); and all other basic nursing skills. Topics covered typically include normal growth and development; feeding, transporting patients, hygiene, and disease prevention; basic pharmacology; first aid and CPR; observing and reporting; care of equipment and supplies; doctor, nurse and patient relationships and roles; procedure policies; medical and professional ethics; and care of various kinds of patients. In order to have an approved nurse assistant program (one in which students are eligible to sit for the certifying exam) the program must be approved by the Illinois Department of Public Health.

## **Emergency Medical Technician (EMT) 14055A001**

1 year, 2 periods, 2 credits

Prerequisites: Junior/Senior

Emergency Medical Technology courses place a special emphasis on the knowledge and skills needed in medical emergencies. Topics typically include clearing airway obstructions, controlling bleeding, bandaging, methods for lifting and transporting injured persons, simple spinal immobilization, infection control, stabilizing fractures, and responding to cardiac arrest. The courses may also cover the legal and ethical responsibilities involved in dealing with medical emergencies.

# Industrial Technology

## **Introduction to Engineering Design 21006A001**

1 year, 1 credit

Prerequisites: None

Description: This course teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer design software.

## **Machine Tool Technology/Machinist I 13203A001**

1 year, 1 credit

Prerequisites: Open to sophomores and up.

Description: This course introduces students to the basic skills and machines needed in precision metal work. Students gain machining skills while working with lathes, milling machines, surface grinders, drill presses, and other equipment. In addition, students learn the basics of blueprint reading, precision measuring, layout, and machining process planning.

**Machine Tool Technology/Machinist II 13203A002**

1 year, 1 credit

Prerequisites: Successful completion of Machine Tool Technology/Machinist I

Description: This course provides more in-depth skill development in various types of precision tool operation, especially using mills, lathes, and surface grinders to perform machining tasks. Power cutoff saws and power band saws are also covered. Students also explore the use of computer and numerical controlled machining.

**Production Technology 13052A001**

1 year, 1 credit

Prerequisites: Open to sophomores and up. Must provide material for 1-2 projects.

Description: This course is designed to foster awareness and understanding of manufacturing and construction technology. Through a variety of learning activities, students are exposed to many career opportunities in the production field. Experiences in manufacturing include product design, materials and processes, tools and equipment including computers, safety procedures, corporate structure, management, research and development, production planning, mass production, marketing and service. In construction, students are exposed to site preparation, foundations, building structures, installing utilities, and finishing and servicing structures.

**Engineering Design 21006A002**

1 year, 1 credit

Prerequisites: Successful completion of Production Technology.

Description: This course engineering scope, content, and professional practices are presented through practical applications. Students in engineering teams apply technology, science, and mathematics concepts and skills to solve engineering design problems and innovate designs. Students research, develop, test, and analyze engineering designs using criteria such as design effectiveness, public safety, human factors, and ethics.

**Drafting 21102A001**

1 year, 1 credit

Prerequisites: Juniors/seniors can earn 3 semester hours at Lake Land College.

Description: Drafting—General courses, usually offered as a sequence of courses, introduce students to the technical craft of drawing illustrations to represent and/or analyze design specifications and then refine the skills necessary for this craft. Drafting—General courses use exercises from a variety of applications to provide students with the knowledge and experience to develop the ability to perform freehand sketching, lettering, geometric construction, and multiview projections and to produce various types of drawings (working, detail, assembly, schematic, perspective, and so on). Computer-aided drafting (CAD) systems (if available) are typically introduced and used to fulfill course objectives.

**Architectural Drafting 21103A001**

1 semester, ½ credit

Prerequisites: Juniors/Seniors. Must have received a C or better in Drafting.

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

**Mechanical Drafting 21106A001**

1 semester, ½ credit

Prerequisites: Juniors/Seniors. Must have received a C or better in both semesters of Drafting. May earn 3 semester hours at Lake Land College.

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

**Manufacturing Skills 13302A002**

1 Year, 2 Credits

Prerequisites: Junior/Seniors. After completion of this class students will earn a Technical Certificate from Lake Land College.

Description: This course provides planned learning experiences and activities in safety, technical mathematics, precision measuring, and blueprint reading. The students also gain an understanding in the principals of electricity and mechanics and their application to gears, including hydraulic/pneumatic equipment, cams, levers, circuits, and other devices in the manufacturing process. The program also includes instruction in programmable logic controllers, preventative maintenance, automated control systems, automated manufacturing, metal lathe and CNC operation, drill press and metal sawing operations, forklift safety and operation, the welding process, and other specialized topics.

# Mathematics

**Business Math with Algebra 02155A000**

1 year, 1 credit

Prerequisites: Geometry

Description: Business Math with Algebra courses teach and have students apply algebra concepts to a variety of business and financial situations. Applications usually include income, insurance, credit, banking, taxation, stocks and bonds, and finance.

**Algebra I 02052A000**

1 year, 1 credit

Prerequisites: None

Description: Algebra I courses include the study of properties and operations of the real number system; evaluation rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations.

**Algebra II 02056A000**

1 year, 1 credit

Prerequisites: Geometry

Description: Algebra II course topics typically include field properties and theorems; set theory; operations with rational and irrational expressions' factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents.



**Algebra II (Honors) 02056A000**

1 year, 1 credit

Prerequisites: Permission of the math department

Description: Algebra II course topics typically include field properties and theorems; set theory; operations with rational and irrational expressions' factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents.

**Geometry 02072A000**

1 year, 1 credit

Prerequisites: Algebra I

Description: Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

**STEM Transitional Math 02055A001**

1 year, 1 credit

Prerequisites: Senior, Algebra II

Math course framework built around essential algebraic competencies designed to prepare students for college and career pathways in areas such as: Science, Technology, Engineering, and Math or STEM which require advanced algebraic skills or calculus. Course design will enable students to transition directly into credit bearing college-level algebra courses. Students will engage in deepening conceptual understanding using algebra and mathematical applications of algebra and functions and how functions naturally arise using authentic modeling situations. The function families (linear, polynomial, rational, radical, and exponential) will be emphasized. Additionally, the course shall emphasize the eight mathematical practices, particularly modeling within the setting of authentic and contextualized applications, and upon completion, the student should be able to: demonstrate and justify both orally and in writing conceptual understanding of functions combined with advanced algebraic knowledge to solve complex, contextualized, multi-step problems in authentic settings.

**Geometry (Honors) 02072A000**

1 year, 1 credit

Prerequisites: Algebra II Honors and permission of the math dept.

Description: Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

**Trigonometry/Algebra 02106A000**

1 year, 1 credit

Prerequisites: Algebra II

Description: Trigonometry/Algebra courses combine trigonometry and advanced algebra topics, and are usually intended for students who have attained Algebra I and Geometry objectives. Topics typically include right trigonometric and circular functions, inverses, and graphs; trigonometric identities and equations; solutions of right and oblique triangles; complex numbers; numerical tables; field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; and properties of higher degree equations.

**Pre-Calculus 02110A000**

1 year, 1 credit

Prerequisites: Geometry (Honors) and must pass Placement Test for Lake Land Dual Credit.

Description: Pre-Calculus courses combine the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for calculus. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity.

**AP Calculus AB 02124A000**

1 year, 1 credit

Prerequisites: Pre-Calculus and permission of the Math Department Chair

Description: Following the College Board’s suggested curriculum designed to parallel college-level calculus courses, AP Calculus AB provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus (including the definition of the derivative, derivative formulas, theorems about derivatives, geometric applications, optimization problems, and rate-of-change problems); and integral calculus (including antiderivatives and the definite integral).

**Probability and Statistics 02201A000**

1 year, 1 credit

Prerequisites: Algebra II

Description: Probability and Statistic courses introduce the study of likely events and the analysis, interpretation, and presentation of quantitative data. Course topics generally include basic probability and statistics: discrete probability theory, odds and probabilities, probability trees, populations and samples, frequency tables, measures of central tendency, and presentation of data (including graphs). Course topics may also include normal distribution and measures of variability.

*Music*

**Chorus 05110A000**

1 semester, ½ credit. May be repeated.

Prerequisites: None

Description: Chorus courses provide the opportunity to sing a variety of choral literature styles for men’s and/or women’s voices and are designed to develop vocal techniques and the ability to sing parts.

**General Band 05101A000**

1 year, 1 credit

Prerequisites: None. May be repeated.

Description: General band courses develop students’ technique for playing brass, woodwind, and percussion instruments and cover a variety of non-specified band literature styles (concert, marching, orchestral, and modern styles).

**Beginning Band 05149A000**

1 year, 1 credit

Prerequisites: None. May be repeated.

Description: Beginning Band offers students an opportunity to learn to play a new instrument (woodwind, brass, or percussion) in order to give students the fundamental skills needed to continue their development in General Band.

## **Expressive Movement 05003A000**

## **MUSIC**

1st Quarter, ¼ credit

Prerequisites: Tryout and make the Color Guard squad. Have 4th hour study hall or PE.

Description: Expressive Movement courses help develop students' ability to move expressively, without an emphasis on particular dance forms or on developing specific dance techniques.

## **Guitar 05108A000**

1 semester, ½ credit

Prerequisites: Sophomore and above, supply own guitar, and permission from teacher.

Description: Guitar courses introduce students to the fundamentals of music and guitar-playing techniques, such as strumming and chords. These courses may also include more advanced guitar-playing techniques.

## **Music Theory 05113A000**

1 year, 1 credit

Prerequisites: Upperclassmen who have taken Chorus or Band.

Description: Music Theory courses provide students with an understanding of the fundamentals of music and include one or more of the following topics: composition, arrangement, analysis, aural development, and sight reading.

# *Physical Education, Health & Drivers' Education*

## **Physical Education 08001A000**

1 year, 1 credit

Prerequisites: None. 7 semesters required.

Description: Physical Education courses provide students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities.

## **Health Education 08051A000**

1 semester, ½ credit

Prerequisites: Required for freshmen and graduation.

Description: Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/or community resources.

## **Drivers' Ed—Classroom & Lab 08152A000**

1 quarter, ¼ credit

Prerequisites: Must have passed at least 8 classes in the preceding 2 semesters

Description: Drivers' Education—Classroom and Laboratory courses provide students with the knowledge and experience to become safe drivers on America's roadways. Topics in these courses cover legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs). Experience in driving a vehicle is an essential component of these courses.

# Science

## **Environmental Science 03003A000**

1 year, 1 credit

Prerequisites: None.

Description: Environmental Science courses examine the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals and humans, these courses usually cover the following subjects: photosynthesis, recycling and regeneration, ecosystems, population and growth studies, pollution, and conservation of natural resources.

## **Earth Science 03001A000**

1 year, 1 credit

Prerequisites: Upperclassmen who have completed 2 science courses.

Description: Earth Science courses offer insight into the environment on earth and the earth's environment in space. While presenting the concepts and principles essential to students' understanding of the dynamics and history of the earth, these courses usually explore oceanography, geology, astronomy, meteorology, and geography.

## **Physical Science 03159A000**

1 year, 1 credit

Prerequisites: Normally taken by sophomores.

Description: Physical Science courses involve study of the structures and states of matter. Typically (but not always) offered as introductory survey courses, they may include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions.

## **Biology 03051A000**

1 year, 1 credit

Prerequisites: C average in previous science and English classes

Description: Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy.

## **Chemistry 03101A000**

1 year, 1 credit

Prerequisites: Open to upperclassmen currently taking Alg II (with math recommendation) or C Avg in Alg II. Open to sophomores only if C Avg in Alg II or A avg in Alg I (with math & science recommendation).

Description: Chemistry course involve studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions/ and atomic structure. Chemical formulas and equations and nuclear reactions are also studied.

## **Chemistry—Advanced Studies 03102A000**

1 year, 1 credit

Prerequisites: Completion of Chemistry with a B or better and recommendation of Chemistry teacher.

Description: Usually taken after a comprehensive initial study of chemistry, Chemistry—Advanced Studies courses cover chemical properties and interactions in more detail. Advanced chemistry topics include organic chemistry, thermodynamics, electrochemistry, macromolecules, kinetic theory, and nuclear chemistry.

**AP Chemistry 03106A000**

1 year, 1 credit

Prerequisites: Chemistry Advanced Studies

Description: Following the curricula recommended by the College Board, AP Chemistry courses usually follow high school chemistry and second-year algebra. Topics covered may include atomic theory and structure; chemical bonding; nuclear chemistry; states of matter; and reactions (stoichiometry, equilibrium, kinetics, and thermodynamics). AP Chemistry laboratories are equivalent to those of typical college courses.

**Anatomy and Physiology 03053A000**

1 year, 1 credit

Prerequisites: Open to juniors/seniors who completed Biology with a C or better. A course in Chemistry is recommended.

Description: Usually taken after a comprehensive initial study of biology, Anatomy and Physiology courses present the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), and may dissect mammals.

**Biotechnology 03063A000**

1 year, 1 credit

Prerequisites: Completed C average or better in Biology.

Description: Particular Topics in Biology courses concentrate on a particular subtopic within the field of biology (such as botany, zoology, genetics, and so on) that is not otherwise described within this classification system.

**Physics 03151A000**

1 year, 1 credit

Prerequisites: Completed Algebra II with at least a C average. Open to juniors and seniors.

Description: Physics courses involve the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena.

**Forensics 03202A000**

½ year, ½ credit

Prerequisites: Junior/Senior with at least a C average in Science classes. Biology and Chemistry 1 recommended or teacher approval.

Description: Unified Science courses combine more than one branch of science into a cohesive study or may integrate science with another discipline. General scientific concepts are explored, as are the principles underlying the scientific method and experimentation techniques.

# Social Studies

**Modern European History 04055A000**

1 semester, ½ credit

Prerequisites: None

Description: Modern European History courses examine the development of political, social, and economic movements in Europe over the past few centuries (from the Renaissance period, or later, to the contemporary period) and usually include such topics as the rise of the modern nation state, scientific and industrial revolutions, the age of exploration and nationalism, imperialism, and world war.



**World History—Overview 04051A000**

1 semester, ½ credit

Prerequisites: None

Description: World History—Overview courses provide students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. World History—Overview courses may include geographical studies, but often these components are not as explicitly taught as geography.

**Criminology 04259A000**

1 semester, ½ credit

Prerequisites: Overall GPA of 4.0 as upperclassman

Description: These courses examine a particular topic in sociology, such as culture and society or the individual in society, rather than provide an overview of the field of sociology.

**Early U.S. History 04102A000**

1 semester, ½ credit

Prerequisites: None. Required for graduation and taken sophomore year.

Description: Early U.S. History courses examine the history of the United States from the colonial period to the Civil War or Reconstruction era (some courses end after this period). Some courses include American history before European settlement, while others may begin at the formation of the new nation. These courses typically include a historical overview of political, military, scientific, and social developments.

**Modern U.S. History 04103A000**

1 semester, ½ credit

Prerequisites: Successful completion of Early U.S. History. Required for graduation and taken sophomore year.

Description: Modern U.S. History courses examine the history of the United States from the Civil War or Reconstruction era (some courses begin at a later period) through the present time. These courses typically include a historical review of political, military, scientific, and social developments.

**U. S. Government—Comprehensive 04151A000**

1 semester, ½ credit

Prerequisites: Required junior year

Description: U.S. Government—Comprehensive courses provide an overview of the structure and functions of the U.S. government and political institutions and examine constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. These courses may examine the structure and function of state and local governments and may cover certain economic and legal topics.

**Contemporary U.S. Issues 04106A000**

1 semester, ½ credit

Prerequisites: Juniors/Seniors who have successfully completed Early U.S. History and Modern U.S. History

Description: Contemporary U.S. Issues courses study the political, economic, and social issues facing the United States, with or without an emphasis on state and local issues. These courses may focus on current issues or may examine selected issues that span throughout the 20th century to the present.

**AP U.S. History 04104A000**

1 year, 1 credit

Prerequisites: Overall GPA of 5.0, GPA of 5.0 in social studies and English, and consent of instructor

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

## **Sociology 04258A000**

1 semester, ½ credit

Prerequisites: Juniors/Seniors who have successfully completed Early U.S. History and Modern U.S. History

Description: Sociology courses introduce students to the study of human behavior in society. These courses provide an overview of sociology, generally including (but not limited to) topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society.

# *Special Education*

## **English/Language Arts I 01001A000**

1 year, 1 credit

Prerequisites: Guidance Placement

Description: English/Language Arts I (9th grade) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections.

## **English/Language Arts II 01002A000**

1 year, 1 credit

Prerequisites: Completion of English/Language Arts I

Description: English/Language Arts II (10th grade) courses usually offer a balanced focus on composition and literature. Typically, students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message.

## **English/Language Arts III (11th grade) 01003A000**

1 year, 1 credit

Prerequisites: Completion of English/Language Arts I and II

Description: English/Language Arts III (11th grade) courses continue to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses.

## **English/Language Arts IV (12th grade) 01004A000**

1 year, 1 credit

Prerequisites: Completion of English/Language Arts I, II and III

Description: English/Language Arts IV (12th grade) courses blend composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers.

## **Math 1 – Pre-Algebra 02051A000**

1 year, 1 credit

Prerequisites: Guidance Placement

Description: Pre-Algebra courses increase students' foundational math skills and prepare them for Algebra I by covering a variety of topics, such as properties of rational numbers (i.e., number theory), ratio, proportion, estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first-degree equations and inequalities.

**Math 2 - Geometry 02072A000**

1 year, 1 credit

Prerequisites: Guidance Placement

Description: Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

**Math 3 – Algebra I 02052A000**

1 year, 1 credit

Prerequisites: Guidance Placement

Description: Algebra I courses include the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations.

**Cooperative Education - SVE 22153A001**

1 year, 1-4 periods, 1-5 credits

Prerequisites: Approval of application and C average. Will count as Economics credit.

Description: Cooperative Education is a capstone course designed to assist students in the development of effective skills and attitudes through practical, advanced instruction in school and on the job through cooperative education. Students are released from school for their paid cooperative education work experience and participate in 200 minutes per week of related classroom instruction. Classroom instruction focuses on providing students with job survival skills and career exploration skills related to the job and improving students' abilities to interact positively with others. For skills related to the job, refer to the skill development course sequences, the task list or related occupational skill standards of the desired occupational program. The course content includes the following broad areas of emphasis: further career education opportunities, planning for the future, job-seeking skills, personal development, human relationships, legal protection and responsibilities, economics and the job, organizations, and job termination. A qualified career and technical education coordinator is responsible for supervisions. Written training agreements and individual student training plans are developed and agreed upon by the employer, student and coordinator. The coordinator, student and employer assume compliance with federal, state and local laws and regulations.

**Life Skills 22253A000**

1 semester, ½ credit

Prerequisites: Guidance Placement

Description: Social Development Instruction courses teach students the social skills needed for independent functioning within the community. Topics may include self-control, self-expression, obeying rules, decision-making, appropriate situational behavior, interacting with others, and maintaining relationships. Students may develop independence, self-confidence, and self-reliance.

# Support Services

## **Community Service 22104A000**

1 semester, 0 credit

Prerequisites: Juniors/Seniors with at least 4.0 GPA and teacher coordinator consent

Description: Community Service courses provide students with the opportunity to volunteer their time, energy, and talents to serve a community project or organization. These courses are usually (but not always) conducted with a seminar component, so that students can use their volunteer experiences to learn how to solve problems, make decisions, and communicate effectively.

# Theater Arts

## **Theater Arts 1 05052A000**

1 semester, 0.5 credit

Introduction to the Theater courses provide an overview of the art, conventions, and history of the theater. The course will include experiential exercises, while also emphasizing learning about the theater. Students learn about one or more of the following topics: basic techniques in acting, major developments in dramatic literature, major playwrights, the formation of theater as a cultural tradition, and the critical appreciation of the art.

## **Theater Arts 2 22104A000**

1 semester, 0.5 credit

Prerequisites: Completion of Theater Arts 1 or consent of the instructor.

Theater Arts 2 will build upon the skills learned in Theater Arts 1. Students will explore the idea of creating a play or musical from the ground up. Students will learn advanced techniques in acting as well as the technical aspects to staging a production. Students will develop an original work throughout the semester and end with a performance of the art.