

BUSINESS

Accounting Advanced

12104A002

Grades 11, 12

1 Credit

Prerequisites: Basic Accounting
Length of Course: One Year
Elective Course

Advanced Accounting is the continuation of Basic Accounting. It emphasizes the development of student ability to interpret bookkeeping data as it relates to various financial information. It is a study of previously learned principles as they apply to the more complicated types of business activities. Units included will involve merchandising accounting procedures, corporate accounting, managerial accounting, and manufacturing accounting. Students will be exposed to simulated business conditions through the use of practice sets.

Accounting Basic

12104A001

Grades 10, 11, 12

1 Credit

Prerequisites: None
Length of Course: One Year
Elective Course

Basic Accounting is an introductory course that teaches students the fundamentals of accounting. It is a course that assists students in pursuing a career in business, accounting, finance, marketing, and management. This course will be introduced to basic accounting procedures as the accounting cycle will be completed for a service business and merchandising business. Instruction includes information on keeping financial records, summarizing them, and analyzing them to provide assistance to management for decision making. Students will be required to purchase a workbook.

Business Information System

10005A001

Grades 11, 12

½ Credit

Prerequisites: Software Applications
Length of Course: One Semester
Elective Course (may be taken in Grade 10 with instructor's approval)

Business Information Systems may be taken as an ICC dual credit course—CMPSC 120

Business Information System is a training-level course that includes the concepts and terminology related to the people, equipment, and procedures of information processing as well as skill development in the use of information processing equipment. Students will operate computer equipment to prepare memos, letters, reports, and forms. Students will create, input, and update databases and spreadsheets. Students will apply proper grammar, punctuation, spelling and proofreading practices. Accuracy will be emphasized. Workplace skills as well as communication skills (thinking, listening, composing, revising, editing, and speaking) will be taught and integrated throughout this course.

Business Law

12054A001

Grades 11, 12

½ Credit

Prerequisites: None
Length of Course: One Semester
Elective Course

Business Law is designed to provide an understanding of the basic laws that affect consumers in their daily relations with one another. Course content will focus on the student gaining an understanding of legal responsibilities, rights, and privileges with major emphasis placed on contract law. Students will learn civil trial procedure and participate in a mock trial.

BUSINESS

Computer Programming

10152A001

Grades 10, 11, 12

½ Credit

Prerequisites: Software Applications or Instructor Approval
Length of Course: One Semester
Elective Course

Computer Programming introduces students to the idea of computer programming through logic and language. The first quarter focuses on computer programming logic and introduces the ideas and theory of programming using the Alice programs. In logic, students will see patterns and procedures that programmers practice in real-world application. They will also design 2-D and 3-D worlds and characters that interact based on programming code that the students control. Second quarter, students begin programming using Visual Basic and continue to build on the concepts learned in the first quarter. Here they make computer forms that will be used to gather information, make computations, and display appropriate information for the user.

Computer Programming Advanced

10152A002

Grades 10, 11, 12

½ Credit

Prerequisites: Computer Programming or Instructor Approval
Length of Course: One Semester
Elective Course

Advanced Computer Programming expands students' knowledge of computer programming through logic and language. The first quarter focuses on expanding on what was taught of Visual Basic in Programming 1. It will introduce the idea of multiple forms in a project and their interaction. As well, students will be using databases to gather input from the forms they made to be used by others in a company to make corporate decisions. The second quarter will continue to use the Alice program introduced in Programming 1 but will incorporate user interaction. There will be an introduction to C++ coding language. Students will code using the Console Application to demonstrate basic knowledge of the language and how computer logic is transferable between languages.

Computerized Accounting

12104A002

Grade 12

½ Credit

Prerequisites: Advanced Accounting or concurrent enrollment
Length of Course: One Semester
Elective Course

Computerized Accounting may be taken as an ICC dual credit course—ACCTG 108

Computerized Accounting takes the principles of manual double-entry accounting and applies them to Quick Books 2009 software. Students will learn to create and maintain accounting records electronically using Quick Books software. They will learn to process general ledger, accounts receivable and accounts payable ledgers, as well as payroll transactions, bank reconciliations, plant assets, and inventory systems.

Interactive Multimedia

10201A001

Grades 11, 12

½ Credit

Prerequisites: Software Applications or instructor's approval
Length of Course: One Semester
Elective Course (may be taken in Grade 10 with instructor's approval)

Interactive Multimedia instruction will include using hardware and software to capture, edit, create, and compress audio and video clips as well as create animated text, graphics, and images. Other topics will include using tables to align images with text, creating newspaper-style columns, and inserting side menus and call-outs. Students will use image-editing programs to manipulate scanned images, computer graphics, and original artwork. Instruction will include creating graphical headers, interactive menus and buttons, and visually appealing backgrounds.

BUSINESS

Marketing I: Sales and Retail

12152A001

Grades 10, 11, 12

½ Credit

Prerequisites: None
Length of Course: One Semester
Elective Course

Marketing I: Sales and Retail is an introductory course that offers students insight into the processes affecting the flow of goods and services from the producer to the consumer. Course content ranges considerably as general marketing principles such as purchasing, distribution, and sales are covered; however, a major emphasis is often placed on kinds of markets; market identification; product planning, packaging, and pricing; and business management.

Marketing II: Sports and Entertainment

12164A001

Grades 10, 11, 12

½ Credit

Prerequisites: Marketing I: Sales and Retailing
Length of Course: One Semester
Elective Course

Marketing II: Sports and Entertainment offers students an expanded view of marketing and how it applies to the exciting world of sports and entertainment. The class will apply concepts learned in Marketing I to specific projects related to the sports and entertainment industries. This course emphasizes strong decision-making, critical thinking, and collaborative skills to complete group marketing project throughout the semester. Students will be challenged to create new marketing ideas as they analyze current marketing trends. Students will also explore the legal aspects of these industries. Real life projects all students to demonstrate their understanding of these areas. This course will examine the impact of marketing in our everyday lives, as well as teach many critical business concepts to ready students for a career in the area of marketing.

Orientation to Business

12001A001

Grades 9, 10

1 Credit

Prerequisites: None
Length of Course: One Year
Elective Course

Orientation to Business is a basic introductory business course, is strongly recommended for all students. Its main purpose is to provide students with the information they need to be able to make wise economic decisions in everyday life. The following units will be covered: banking, basic economics, budgeting, business ownership, checking, credit, consumer roles, insurance, savings, taxes, career planning and exploration. The material is essential in helping all students function as intelligent consumers in today's economic society. Students who might be interested in business careers will get a better understanding of what business is and how it works. Students will be involved in completing practical simulations relating to the above topics. During the last nine weeks of the second semester students will each manage their own business in a simulated community. A practice fee is assessed. This course satisfies the Consumer Education requirement.

BUSINESS

Orientation to Technology

12005A001

Grades 9, 10, 11, 12

½ Credit

Prerequisites: None

Length of Course: One Semester

Required Course for all freshmen (unless student passes the proficiency exam, then Software Applications is required)

Orientation to Technology, required of all freshmen, will introduce students to the touch method of keyboarding. Students will become familiar with the computer, learn the alphabetic and numeric sections of the keyboard, and build basic keyboarding skills. The course will also focus on the Windows environment and the use of current software to prepare typical kinds of documents. This class will give students a knowledge base for using the Internet, PowerPoint as well as Limestone's computer network.

Software Applications

10004A001

Grades 9, 10, 11, 12

½ Credit

Prerequisites: Orientation to Technology

Length of Course: One Semester

Elective Course

Software Applications is an orientation-level course designed to develop awareness and understanding of application software and equipment used by employees to perform tasks in business, marketing, and management. Students will apply problem-solving skills to hands-on, real-life situations using a variety of software applications, such as word processing, spreadsheets, database management, presentation software, and desktop publishing. 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.

Web Page Development

10201A002

Grades 11, 12

½ Credit

Prerequisites: Software Applications or instructor's approval (Interactive Multimedia recommended)

Length of Course: One Semester

Elective Course (may be taken in Grade 10 with instructor's approval)

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

ENGLISH

English I

01001A000

B, S, E, R

Grade 9

1 Credit

Prerequisites: None

Length of Course: One Year

Required Course

English I builds 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 exercise often linked to reading selections.

English II

01002A000

B, S, E, R

Grade 10

1 Credit

Prerequisites: English I

Length of Course: One Year

Required Course

English II usually offers 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. Students at the English II level will also develop their public speaking skills by writing and giving speeches.

English III

01003A000

B, S, E, R

Grade 11

1 Credit

Prerequisites: English II

Length of Course: One Year

Required Course

English III continues 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 IV

01004A000

B, S, E, DC, R

Grade 12

1 Credit

Prerequisites: English III

Length of course: One Year

Required course

English IV (DC) may be taken as ICC dual credit courses—ENGL 110 and ENGL 111

ICC requires at least a COMPASS Reading of 81 or an ACT Reading of 18 to enroll in ENGL 110 (first semester)

ICC requires a "C" or better in ENGL 110 to enroll in ENGL 111 (second semester)

English IV continues to develop students' skills by reading several novels and writing several multi-paragraph compositions, including but not limited to; summaries, literary analyses, arguments, creative writings, and research essays. Students will also improve their critical thinking skills as they determine underlying assumptions and values within selected novels, actively participate in class discussions, and produce academic and formal written compositions. Students taking the enriched section of this course will complete the same assignments with more depth and complexity. Enriched students will also perform more independent work and assignments.

ENGLISH

English IV (DC ENGL 110, 111) is a college level composition course offered to senior level high school students. Students enrolled must also be enrolled at Illinois Central College and meet their entrance requirements. In English 110, students are expected to write four to six expressive compositions totaling approximately 6,000 to 8,000 words. English 111 is a continuation of English 110. The course progresses the student from writing analysis and inquiring about issues to writing argumentative and persuasive compositions.. Students are expected to write four to six compositions totaling approximately 6,000 words. Both courses lead students through critical reading, discussion, exercises, conferences and revision writing.

FAMILY AND CONSUMER SCIENCE

Child and Adult Care Occupations I

19054A001

Grades 11, 12

1 Credit

Prerequisites: None
Length of Course: One Year
Elective Course

Child and Adult Care Occupations I provides students with information and practical experiences needed for the development of competencies 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.

Child and Adult Care Occupations II

19054A001

Grade 12

1 Credit

Prerequisites: Child/Adult Care Occupations 1, 2 or recommendation of instructor
Length of Course: One Year
Elective Course

Child and Adult Care Occupations II provides students with information and practical experiences needed for the development of competencies 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.

Child Development

19052A001

Grades 10, 11, 12

½ Credit

Prerequisites: None
Length of Course: One Semester
Elective Course

Child Development is an orientation level course that studies the development of children from conception through preschool. The course 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, prenatal development, physical development, social development and relationships, educational and intellectual development, emotional development, the child with special needs, and career opportunities in child care that support positive development in children.

FAMILY AND CONSUMER SCIENCE

Cooperative Education – Inter-related

22153A001

Grades 11, 12

2 Credits

Prerequisites: Home Economics sequence recommended

Length of Course: One Year

Elective Course (1 credit for classroom and 1 credit approved on-the-job work experience)

Personal and Public Service Cooperative Education is designed for students interested in pursuing careers in service occupations working with the public. Family and Consumer Science (FCS) sequence is recommended, but not required. Employment includes, but is not limited to: Food Service, Child and Adult Care, Customer Service and Health Care related fields. Classroom instruction focuses on providing students with workplace skills, post-secondary education opportunities related to the job/career pathway, developing and maintaining positive workplace relationships, planning for the future, legal protection and responsibility, and advancing life skills related to the workforce. Worksite instruction is based on the duties of the individual occupations. Students are released from school for their paid cooperative education, participate in work related classroom instruction, and evaluated on-the-job by a qualified instructor/coordinator. Written training agreements are agreed upon by the employer, student, parent, and coordinator. The coordinator, student/parent, and employer assume compliance with federal, state and local laws and regulations.

Creative Fashions I

19201A001

Grades 10, 11, 12

½ Credit

Prerequisites: Orientation to Family and Consumer Science strongly recommended

Length of Course: One Semester

Elective Course

Creative Fashions I offers learning experiences related to clothing selection, cultures and customs, fashion styles and designs, and careers associated with clothing and textile. 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 the apparel industry. A lab fee accompanies this course.

Creative Fashions II

19203A001

Grades 10, 11, 12

½ Credit

Prerequisites: Creative Fashions I and/or consent of instructor

Length of Course: One Semester

Elective Course

Creative Fashions II increases the level of knowledge and skills of students related to textiles. Students will be engaged in learning experiences related to color and design, fibers and fabrics, quilting, and will assess interest and abilities for employment in the area of clothing and textiles. Students will use technology to create a textile product. Project management skills, including efficient use of time, materials, technique, and tools are incorporated throughout the course. Advance sewing techniques will be learned. A minimum of three sewing projects will be completed. . A lab fee accompanies this course.

FAMILY AND CONSUMER SCIENCE

Fashion Merchandising I

19204A001

Grades 11, 12

I

1 Credit

Prerequisites: Creative Fashions I and II strongly recommended and/or consent of instructor

Length of Course: One Year

Elective Course

Fashion Merchandising I prepares students for employment and higher education programs of study related to the broad spectrum of careers encompassed in fashion, apparel, and textile industries. This course provides students with opportunities to: analyze the influences of social, cultural, and environmental diversity in the fashion, apparel, and textile industry; investigate applicable regulatory and policy issues; assess product quality; develop a design portfolio; refine and develop industry skills necessary to employment in fashion, apparel, and/or textiles; model proper safety procedures; communicate with potential customers/clients using industry terminology; perform operational functions; and research current industry employment opportunities, including the investigation of entrepreneurship.

Fashion Merchandising II

19204A001

Grades 12

1 Credit

Prerequisites: Fashion Merchandising I strongly recommended and/or consent of instructor

Length of Course: One Year

Elective Course

Fashion Merchandising II continues the learning in Fashion Merchandising I. Learning experiences will reinforce basic skills and introduce and develop more complex skills needed for employment in textile/apparel careers. Tasks performed in advertising duties, managing personnel, determining merchandise needs, selecting inventory, customer service, and performing operational procedures for business profitability and career success will be achieved. Students will manage and promote a textile apparel business.

Food Services Occupations I

16052A001

Grade 11, 12

1 Credit

Prerequisites: Foods & Nutrition I

Length of Course: One Year

Elective Course

Food Services Occupations I provides students with technical skills in the culinary arts through classroom instruction and commercial kitchen experiences. Food service skills and competencies will be developed throughout the course with the use of food service terminology, culinary math, and daily food preparation. Students will practice proper safety and sanitation techniques, as well as train on the operation of all food service commercial equipment and tools. Students will also participate in recipe development for the cafeteria menu. Food preparation and cooking methods will focus on breakfast, sauces and gravies, quick breads, cookies, pie dough and fillings, cakes and icings, and specialty desserts. Course requirements will include student participation in school related culinary events to help develop technical skills and gain hand-on experience.

FAMILY AND CONSUMER SCIENCE

Food Services Occupations II

16055A001

Grade 12

1 Credit

Prerequisites: Foods & Nutrition I, Food Services Occupation I or permission from instructor

Length of Course: One Year

Elective Course

Food Services Occupations II provides students with leadership opportunities and responsibility for food service management and catering. Students will utilize their culinary technical skills by planning menus, developing pricing strategies, ordering food, and supervising the overall food production. Students will practice proper safety and sanitation techniques, as well as master the operation of all food service commercial equipment and tools. Food preparation and cooking methods will focus on meat, fish, poultry, soups, stocks, pasta, potatoes, fruits, vegetables, rolls, breads, sweet doughs, salads, salad dressings, herbs, spices, and seasonings. Course requirements will include student participation in school related culinary events to help develop technical skills and gain hand-on experience. A student based culinary portfolio will also be created to showcase talent and skills developed throughout the program.

Foods and Nutrition I

16054A001

Grade 10

½ Credit

Prerequisites: None

Length of Course: One Semester

Elective Course

Foods and Nutrition I includes basic classroom and laboratory experiences in several culinary areas. Students will be introduced to safety and sanitation practices, knife skills, basic measuring techniques and equivalents, culinary terms, and lab equipment. Students will also explore units such as sensory perception, nutrition, eggs, and desserts. Potential career opportunities in the culinary industry will be introduced as well through lecture, guest speakers, and special culinary events. Students will participate in the *ACF Gingerbread House* competition during the semester.

Foods and Nutrition II

16054A002

Grades 10, 11

½ Credit

Prerequisites: Foods and Nutrition I

Length of Course: One Semester

Elective Course

Foods and Nutrition II includes advanced classroom and lab experiences in several culinary areas. Students will build on basic classroom and lab skills while acquiring new knowledge in areas such as nutrition, quick & yeast breads, pasta, ethnic foods, soups, cakes, garde manger, and pies. Students will also learn about potential career opportunities in the culinary industry through lecture, guest speakers, and special culinary events. Students will participate in *All That Jazz* garnishing project during the semester.

Housing and Interior Design

22211A001

Grades 11, 12

½ Credit

Prerequisites: None

Length of Course: One Semester

Elective Course

Housing and Interior Design is a course designed to help student learn to analyze the influences on housing choices, including physical and psychological needs as well as lifecycle stages and social trends. Students will evaluate the elements and principles of design throughout this course while assessing housing backgrounds and floor plans. This course is designed for students who are interested in pursuing career opportunities in the field of interior design or for students interested in expanding their knowledge for personal use.

FAMILY AND CONSUMER SCIENCE

Human Relationships

22207A001

Grades 11, 12

½ Credit

Prerequisites: None
Length of Course: One Semester
Elective Course

Human Relationships is a course designed to help students become more effective in their work and personal life through knowledge of and skill in human relations. Students will explore several areas in human relations such as *SELF* which include topics such as self esteem and self confidence, self motivation and goal setting, emotional intelligence, attitudes, and happiness. *GOALS* is another area students will explore which includes values and ethics, problem solving, and creativity. Finally, *COMMUNICATION* is an area concentrating on personal communication effectiveness, managing conflict, and developing leadership characteristics. Students will engage in a digital personal portfolio project, as well as participating in a classroom volunteer project during the semester.

Orientation to Family and Consumer Science

22201A001

Grade 9

1 Credit

Prerequisites: None
Length of Course: One Year
Elective Course

Family and Consumer Science Orientation introduces students to the field of family and consumer sciences and the many career opportunities available in this broad field. The course includes theory and laboratory experiences in the following content areas: Nutrition and culinary arts; textiles and design; family, career, and community leadership development; resource management; human development and life-long learning; facility design, care, and management; and interpersonal relationships and life management skills.

Parenting

22204A001

Grades 11, 12

½ Credit

Prerequisites: None
Length of Course: One Semester
Elective Course

Parenting 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.

FINE ART—PERFORMING

Chamber Singers

05111A000

Grades 10, 11, 12

½ Credit

Prerequisites: Audition and teacher's recommendation.

Length of Course: One Semester

Elective Course: Concurrent enrollment in either Concert Choir or Treble Choir is required.

Chamber Singers is an exclusive mixed or all female performance-based ensemble. Literature for this ensemble is categorized by early sacred and secular pieces from the Renaissance period. Emphasis is put on advanced music theory, music history, sight-reading and quality vocal production. Performances outside of school time are a requirement of this course.

Concert Choir

05110A000

Grades 10, 11, 12

1 Credit

Prerequisites: Audition

Length of Course: One Year

Elective Course

Concert Choir is Limestone's top performing choir, and membership is by audition only. The style and interpretation of music from various periods of music history are studied as well as more in depth musical theory. These foundational fundamentals lead to polished performances. Emphasis is placed on the aesthetic qualities of music as well as a solid understanding of music theory. Performances outside of school time are a requirement of this course.

Jazz Band

05105A000

Grades 9, 10, 11, 12

1 Credit

Prerequisites: Audition and participation in marching, concert band, or permission from instructor

Length of Course: One Year

Elective Course

Jazz Band rehearses daily throughout the year in addition to several concerts, contests, and community performances. Although some pop and dance tunes are played, emphasis is placed on learning to play in the jazz idiom. Listening skills and improvisation are also emphasized. Additional rehearsals outside of the school day may be required.

Madrigal Singers

05111A000

Grades 10, 11, 12

½ Credit

Prerequisites: Audition and teacher's recommendation

Length of Course: One Semester

Elective Course: Concurrent enrollment in Concert Choir is required.

Madrigal Singers is an exclusive mixed performance-based ensemble. Literature for this ensemble is from the Renaissance period. Emphasis is placed on advanced music theory, music history, sight-reading and quality vocal production. Requires concurrent enrollment in Concert Choir. Performances outside of school time are a requirement of this course.

FINE ART—PERFORMING

Marching Band

05103A000

Grades 9, 10, 11, 12

½ Credit

Prerequisites: Audition or teacher recommendation

Length of Course: One Semester (first)

Elective Course: Meets the Physical Development requirement

Marching Band performs throughout the football season. Attendance at band camps in July and August, and weekly evening rehearsals during the school year are a required part of this course. This group performs at all home football games, local marching competitions, State of Illinois Championships, and Bands of America Grand National Championships. Students interested in this class should contact the LCHS band director or their elementary school band director. This class may be repeated for credit.

Marching Band: Color Guard

08006A000

Grades 9, 10, 11, 12

½ Credit

Prerequisites: Selection by audition previous spring

Length of Course: One Semester (may be repeated for credit)

Elective course: Meets the Physical Development requirement.

Color Guard is a semester course in which students learn the techniques involved in expressive dance, flag, gun, and sword techniques, as they relate to the State Goals for Learning in Fine Arts. The course will prepare students for color guard performances with the marching band during the fall semester. All styles of legitimate dance will be taught, in addition to traditional color guard techniques. Attendance at weeklong band camps in June and August, and weekly evening rehearsals are a required part of this course. Participation is permitted by audition or teacher recommendation only.

Marching Band: Percussion

05103A000

Grades 9, 10, 11, 12

½ Credit

Prerequisites: Audition or teacher recommendation

Length of Course: One Semester (first)

Elective Course: Meets the Physical Development requirement

Marching Band: Percussion performs throughout the football season. Attendance at band camps in July and August, and weekly evening rehearsals during the school year are a required part of this course. This group performs at all home football games, local marching competitions, State of Illinois Championships, and Bands of America Grand National Championships. Students interested in this class should contact the LCHS band director or their elementary school band director. This class may be repeated for credit.

Marching Band: Winter Guard

08006A000

Grades 9, 10, 11, 12

½ Credit

Prerequisites: Selection by audition previous spring

Length of Course: One Semester (may be repeated for credit)

Elective course: Meets the Physical Development requirement.

Winter Guard is a semester course in which students learn the techniques involved in expressive dance, flag, gun, and sword techniques, as they relate to the State Goals for Learning in Fine Arts. The course will prepare students for color guard performances with the marching band during the fall semester. All styles of legitimate dance will be taught, in addition to traditional color guard techniques. Attendance at weeklong band camps in June and August, and weekly evening rehearsals are a required part of this course. Participation is permitted by audition or teacher recommendation only.

FINE ART—PERFORMING

Music Appreciation

05116A000

Grades 9, 10, 11, 12

½ Credit

Prerequisites: None

Length of Course: One Semester

Elective Course

Music Appreciation is an overview of Western music focusing mainly on Ancient, Medieval, Renaissance, Baroque, Classical, Romantic, and 20th-century genres. The course also includes some multicultural, jazz, and current popular music as time allows. This is a non-performance class open to all students.

Music Theory

05113A000

Grades 11, 12

½ Credit

Prerequisites: Concurrently enrolled in another music class or approval of instructor.

Length of Course: One Semester

Elective Course

Music Theory is an introduction to the basics of music theory and how it relates to music composition and performance. This course is designed for the serious music student and serves as a college preparatory course for students entering music study in college. This course would be supplemental to students' participation in other instrumental or vocal music courses. It would give students a deeper understanding of the music they perform and the techniques that are used to create that music.

Music Theory Advanced

05113A000

Grades 11, 12

½ Credit

Prerequisites: Concurrently enrolled in another music class or approval of instructor

Length of Course: One Semester

Elective Course

Music Theory Advanced is a continuation of Music Theory. This course gives students a more in-depth understanding of music theory and how it relates to music composition and performance. This course would be supplemental to students' participation in other instrumental or vocal music courses. It gives students a deeper understanding of the music they perform and the techniques that are used to create that music.

Soprano and Alto Chorus

05110A000

Grade 9, 10, 11, 12

1 Credit

Prerequisites: None

Length of Course: One Year

Elective Course

Soprano and Alto Chorus is the first step for girls interested in the high school's music program. Emphasis is placed on learning to sing with a good tonal quality and trying to establish a good sense of pitch. The basic fundamentals of theory are studied. Upon completion of the course, girls are encouraged to continue in Treble Choir, Concert Choir, and/or Chamber Singers, the next step in the choral program. Performances outside of school time are a requirement of this course.

FINE ART—PERFORMING

Symphonic Band I

05101A000

Grades 9, 10, 11, 12

½ Credit

Prerequisites: Audition

Length of Course: One Semester (First semester only)

Elective Course

Symphonic Band I is an alternative to marching band. This class is open to all experienced students without audition. As a preparatory group, attention is given to transitional, high school level literature, which will prepare the musicians for entry into the premier groups. The Symphonic Band will perform at home basketball games in conjunction with members of other ensembles as a pep band and prepare for winter and spring concerts. This class may be repeated for credit.

Symphonic Band II

05101A000

Grades 9, 10, 11, 12

½ Credit

Prerequisites: Audition

Length of Course: One Semester (Second semester only)

Elective Course

Symphonic Band II is the large ensemble at Limestone comprised of students from 1st semester Symphonic Band and those from Marching Band who are not in the Wind Ensemble. This ensemble will prepare high school level selections for winter and spring concerts, and occasional festivals that will build skills necessary for participation in the Wind Ensemble and Marching Band classes. This class may be repeated for credit.

Tenor and Bass Chorus

05110A000

Grade 9, 10, 11, 12

1 Credit

Prerequisites: None

Length of Course: One Year

Elective Course

Tenor and Bass Chorus is the first step for boys interested in the high school's music program. This chorus is an elective course. Emphasis is placed on learning to sing with a good tonal quality and trying to establish a good sense of pitch. The basic fundamentals of theory are studied. Upon completion of the course, boys are encouraged to continue by auditioning for Concert Choir, and/or Chamber Singers, the next step in the choral program. Performances outside of school time are a requirement of this course.

Treble Choir

05110A000

Grades 10, 11, 12

1 Credit

Prerequisites: Soprano and Alto Chorus; Tenor and Bass Chorus; or teacher recommendation

Length of Course: One Year

Elective Course

Treble Choir is the second step in the sequential choral program. The basic fundamentals of music theory are reviewed and then used in a sight-reading program. Ear training is also stressed to enhance the intonation and tone quality of the group. Performances outside of school time are a requirement of this course.

FINE ART—PERFORMING

Vocal Jazz

05111A000

Grades 10, 11, 12

½ Credit

Prerequisites: Audition and teacher's recommendation

Length of Course: One Semester

Elective Course: Concurrent enrollment in either Concert Choir or Treble Choir is required.

Vocal Jazz is an exclusive mixed performance-based ensemble. Literature for this ensemble is primarily Contemporary/Pop/Jazz. Emphasis is put on advanced music theory, basic music history from the selected literature, sight-reading and quality vocal production. Performances outside of school time are a requirement of this course.

Vocal Jazz Advanced

05111A000

Grades 10, 11, 12

½ Credit

Prerequisites: Audition and teacher's recommendation

Length of Course: One Semester

Elective Course: Concurrent enrollment in either Concert Choir or Treble Choir is required.

Vocal Jazz Advanced is an exclusive mixed performance-based ensemble. Literature for this ensemble is from Contemporary/Pop/Jazz arena. Emphasis is put on advanced music theory, music history, sight-reading and quality vocal production. Performances outside of school time are a requirement of this course.

Wind Ensemble

05102A000

Grades 9, 10, 11, 12

½ Credit

Prerequisites: Audition

Length of Course: One Semester

Elective Course

Wind Ensemble is the top concert ensemble designed to challenge the advanced musician by performing upper-level music along with learning more advanced musical concepts. The group performs at local concerts as well as at Illinois High School Association contests. Placement within the wind ensemble is at the discretion of the director.

FINE ART—VISUAL

Ceramics

05159A000

Grades 10, 11, 12

1 Credit

Prerequisites: None
Length of Course: One Year
Elective Course

Ceramics is the learning of basic skills and techniques necessary for creating forms out of clay. The works of various artists will be studied throughout the year to provide inspiration for artwork. Units include: Clay, Tools/Equipment, Clay Construction, the Finishing Touches, Firing Ceramics and Art History. The students are required to pay student fees to cover the cost of clay and glaze. The average cost for a year of Ceramics is \$40.00.

Commercial Art I

05160A000

Grades 10, 11, 12

1 Credit

Prerequisites: Introduction to Art
Length of Course: One Year
Elective Course

Commercial Art I deals with the practical creative uses of art expression in commercial application. The awareness of the possibilities and practical uses of art are emphasized in specific and basic units. Units include: lettering/typography, advertising design theory and practice, cartooning, perspective drawing and computer design.

Commercial Art II: Production Graphics

05162A000

Grades 11, 12

1 Credit

Prerequisites: Commercial Art I
Length of Course: One Year
Elective Course

Commercial Art II: Production Graphics is a continuation of the commercial art program. The course focuses on creating products such as advertisements, product design, logo and identity symbols. This course offers the student the opportunity to develop products for clients outside of the classroom environment. Production Graphics courses may investigate computer design, layout, printing processes, and mural design.

Commercial Art III: Illustration

05163A000

Grade 12

1 Credit

Prerequisites: Commercial Art II: Production Graphics
Length of Course: One Year
Elective Course

Commercial Art III: Illustration is the capstone course in the commercial art tech prep sequence. As the Commercial Art II: Production Graphics course introduced special problems designed within the framework of a commercial art studio simulation, Illustration continues with an emphasis on advanced application of commercial art techniques. Client generated assignments will allow the student the opportunity to further develop skills in design and illustrated display pieces reflective of practices standard to the industry. Units include: marker illustration, color pencil illustration, advanced design problems, computer graphic design for print (prepress art), and portfolio preparation. Advertising Design courses may also provide a historical and contemporary view of art as students learn to critique work.

FINE ART—VISUAL

Drawing

05156A000

Grades 10, 11, 12

½ Credit

Prerequisites: Introduction to Art
Length of Course: One Semester
Elective Course

Drawing is the learning of basic skills and techniques necessary for the translating of ideas into visual terms. It also includes the exploration of various drawing media, subject matter, compositional principles and art history.

Introduction to Art

05151A000

Grades 9, 10, 11, 12

1 Credit

Prerequisites: None
Length of Course: One Year
Elective Course

Introduction to Art is designed to present to the student the fundamentals of art, basic skills and techniques, and the appreciation of art's cultural contributions. This is a self-contained course that offers students an understanding of art, as well as laying a foundation for further study in advanced courses through the working development of the elements and principles of art. Units include: elements of art through practical units in drawing and painting, and principles of design through practical units in composition in both two-dimensional and three-dimensional forms. This course is the initial course in the commercial art tech prep sequence.

Painting

05157A000

Grades 10, 11, 12

½ Credit

Prerequisites: Introduction to Art and Drawing
Length of Course: One Semester
Elective Course

Painting is the learning of basic skills and techniques necessary for the translating of ideas into visual terms. It also includes the exploration of various painting media, subject matter, and compositional principles.

Photography

05167A000

Grades 10, 11, 12

1 Credit

Prerequisites: None
Length of Course: One Year
Elective Course

Photography exposes 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 basic darkroom practices. 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. Students will be required to have a digital camera for this class. They will pay student fees to cover the cost of printer paper and mat board.

FINE ART—VISUAL

Portfolio Production

05170A000

Grade 12

1 Credit

Prerequisites: Introduction to Art, advanced level art courses, and instructor approval
Length of Course: One Year
Elective Course

Portfolio Production offers 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.

Sculpture

05158A000

Grades 10, 11, 12

1 Credit

Prerequisites: Introduction to Art
Length of Course: One Year
Elective Course

Sculpture provides the student with necessary opportunities, knowledge, and skills necessary for creatively expressing thoughts, ideas, and feelings in three-dimensional form. Units include paper sculpture, wax sculpture, wire/kinetic sculpture, paper mache, wood/plaster carving, safety, and history.

Specialized Advanced Art

05154A000

Grades 11, 12

1 Credit

Prerequisites: Previous courses in the chosen medium and instructor approval
Length of Course: One Year
Elective Course

Specialized Advanced Art provide students with the knowledge and opportunity to explore an art form and to create individual works of art. These courses may also provide a discussion and exploration of career opportunities in the art world. Initial courses cover the language, materials, and processes of a particular art form and the design elements and principles supporting a work of art. As students advance and become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic styles. Although Creative Art courses focus on creation, they may; also include the study of major artists, art movements, and styles. Student is responsible for purchase of all materials necessary for completion of projects.

Students may specialize in the following courses:

- Specialized Advanced Art Drawing
- Specialized Advanced Art Painting
- Specialized Advanced Art Photography
- Specialized Advanced Art Ceramics
- Specialized Advanced Art Sculpture

FOREIGN LANGUAGE

French I

06121A000

Grades 9, 10, 11

1 Credit

Prerequisites: None
Length of Course: One Year
Elective Course

French I introduces students to French language and culture, French I emphasizes 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. French culture is introduced through the art, literature, customs, and history of the French-speaking people.

French II

06122A000

Grades 10, 11, 12

1 Credit

Prerequisites: French I
Length of Course: One Year
Elective Course

French II builds upon skills developed in French I, extending students' ability to understand and express themselves in French 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 French-speaking people to deepen their understanding of the culture(s).

French III

06123A000

Grades 11, 12

1 Credit

Prerequisites: French II
Length of Course: One Year
Elective Course

French III focuses on having students express increasingly complex concepts both verbally and in writing. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at a normal rate. A significant percent of the student's grade depends upon the student's use of French to express oneself in the classroom. A variety of websites, podcasts and other on-line resources are utilized regularly to increase student fluency in French.

French IV

06124A000

Grade 12

1 Credit

Prerequisites: French III
Length of Course: One Year
Elective Course

French IV focuses on advancing student's skills and abilities to read, write, speak, and understand the French language so that they can maintain simple conversations with sufficient vocabulary and acceptable accent, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary. French history, literature and current events are studied. A significant percent of the student's grade depends upon the student's use of French to express oneself in the classroom. A variety of websites, podcasts and other on-line resources are utilized regularly to increase student fluency in French.

FOREIGN LANGUAGE

Spanish I

06101A000

Grades 9, 10, 11

1 Credit

Prerequisites: None
Length of Course: One Year
Elective Course

Spanish I is 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

Grades 10, 11, 12

1 Credit

Prerequisites: Spanish I
Length of Course: One Year
Elective Course

Spanish II builds 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

Grades 11, 12

1 Credit

Prerequisites: Spanish II
Length of Course: One Year
Elective Course

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

Spanish IV

06104A000

Grade 12

1 Credit

Prerequisites: Spanish III
Length of Course: One Year
Elective Course

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

INDUSTRIAL TECHNOLOGY

Architectural Drafting I

21103A001

Grades 11, 12

1 Credit

Prerequisites: Introduction to Drafting/CAD I and Drafting/CAD II or permission from instructor

Length of Course: One Year

Elective Course

Architectural Drafting I 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.

Architectural Drafting II

21103A002

Grade 12

1 Credit

Prerequisites: Architectural Drafting I

Length of Course: One Year

Elective Course

Advanced Architectural Drafting II instruction is provided in the areas of locating information using computer data files, determination of materials and availability, project conferences, checking plan dimensions, drawing schematic sketches, preparing scale sketches, producing drawings from written/verbal instructions, application of coordinate dimensioning standards, creating drawings using a plotter/printer, producing renderings and/or charts and graphs, and common plan features,. Instruction is also provided in the areas of drawing framing plans, wall sections, fireplace sections, door sections, door and window schedules, dimensioning structural steel drawings, constructing column detail drawings, preparation of structural foundation, slab and floor plans, drawing electrical, block, schematic, and electrical connection drawings. Skills relating to CAD include preparation of a basic CAD drawing, building and editing a data base, developing a 3-dimensional drawing and selecting appropriate line work, line weight, and color.

Auto Servicing I

20104A001

Grades 11, 12

1 Credit

Prerequisites: Power Theory or permission from instructor

Length of Course: One Year

Elective Course

Auto Servicing I introduces students to the basic skills needed to inspect, maintain, and repair automobiles and light trucks that run on gasoline, electricity, or alternative fuels. Instructional units include engine performance, automotive electrical system, integrated computer systems, lubrication, exhaust and emission control, steering and suspension, fuel systems, cooling system, braking, and power train.

INDUSTRIAL TECHNOLOGY

Auto Servicing II

20104A002

Grade 12

1 Credit

Prerequisites: Auto Servicing I or permission from instructor
Length of Course: One Year
Elective Course

Advanced Auto Servicing II is a continuation of and builds on the skills and concepts introduced in Automotive Technician I. This course includes instructional units in alternative fuel systems, computerized diagnostics, new vehicle servicing, automotive heating and air conditioning, transmissions, testing and diagnostics, drive train and overall automobile performance.

Cabinetmaking I

17003A001

Grades 11, 12

1 Credit

Prerequisites: Wood Machines and Methods or permission from instructor
Length of Course: One Year
Elective Course

Beginning Cabinetmaking I is a course of beginning woodworking. The basic fundamentals of woodworking will be more thoroughly reviewed. Projects will be developed, stressing design and utility. Construction, employing use of various wood joints, a working drawing, a selection of proper machines for various operations, and wood finish are also stressed. A dove tail box could be constructed. A materials fee will be assessed to each student.

Cabinetmaking II

17003A002

Grade 12

1 Credit

Prerequisites: Cabinetmaking I or permission from instructor
Length of Course: One Year
Elective Course

Advanced Cabinetmaking II is a one-year course of advanced wood. Time will be devoted to the tools, correct terminology, and safety used in carpentry and cabinetmaking. Students will also have the opportunity to design and construct a project, using the knowledge gained from previous wood courses. This course will also introduce students to the carpentry/carpenter occupation. The students will be given an opportunity to gain theoretical and practical applications in areas such as: building layout, foundations and masonry, basic framing techniques, electrical and plumbing. The students will also be instructed in the areas of blueprint reading and material estimation.

Introduction to Drafting/CAD I

21102A001

Grades 10, 11, 12

½ Credit

Prerequisites: I.T.: Communications or permission from instructor
Length of Course: One Semester
Elective Course

Introduction to Drafting/CAD I 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 are typically introduced and used to fulfill course objectives.

INDUSTRIAL TECHNOLOGY

Introduction to Drafting/CAD II

21102A001

Grades 10, 11, 12

½ Credit

Prerequisites: Introduction to Drafting/CAD I

Length of Course: One Semester

Elective Course

Introduction to Drafting/CAD II 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 multi-view projections and to produce various types of drawings (working, detail, assembly, schematic, perspective, and so on). Computer-aided drafting (CAD) systems are typically introduced and used to fulfill course objectives.

Introduction to Technology: Communication

11002A001

Grade 9

½ Credit

Prerequisites: None

Length of Course: One Semester

Elective Course

Introduction to Technology: Communication is a course designed to foster an awareness and understanding of the technologies used to communicate in our modern society. Students gain experience in the areas of design and drafting, radio and television broadcasting, computers in communication, photography, graphic arts, and telecommunications.

Introduction to Technology: Production

13052A001

Grade 9

½ Credit

Prerequisites: None

Length of Course: One Semester

Elective Course

Introduction to Technology: Production is a course designed to foster an 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 servicing. In construction, students are exposed to site preparation, foundations, building structures, installing utilities, and finishing and servicing structures.

Introduction to Technology: Transportation

20001A001

Grade 9

½ Credit

Prerequisites: None

Length of Course: One Semester

Elective Course

Introduction to Technology: Transportation is a course designed to foster an awareness and understanding of the various transportation customs that make up our mobile society. Through laboratory activities, students are exposed to the technologies of and career opportunities involved in material handling, atmospheric and space transportation, marine transportation, terrestrial transportation, and computer uses in transportation technology.

INDUSTRIAL TECHNOLOGY

Machine Drafting I

21106A001

Grades 11, 12

1 Credit

Prerequisites: Introduction to Drafting/CAD I and Drafting/CAD II or permission from instructor

Length of Course: One Year

Elective Course

Machine Drafting I 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.

Machine Drafting II

21106A002

Grade 12

1 Credit

Prerequisites: Machine Drafting I

Length of Course: One Year

Elective Course

Machine Drafting II provides instruction in the areas of identifying appropriate interfacing personnel (internal/external), producing renderings and project time schedules, producing structural working drawings as structural steel plans, dimension structural steel drawings, and draw beam connections, and producing electrical and electronic working drawings as electrical and electronic schematic diagrams. Additional skills introduced in this program include determining the requirements of a specific drafting job, preparing preliminary drawings such as freehand, isometric, orthographic, and oblique sketches; preparing detail drawings such as creating assembly drawings, orthographic projections, sectional views, auxiliary views, isometric views and letter drawings; producing mechanical working drawings such as detailing components of mechanical orthographic assembly and subassembly drawings; using CAD command processes as preparing a basic CAD drawing, start up, log on, retrieve, save, log off and shut down CAD system; creating disk files, copying disk files, and generating a grid on drawing.

Power Theory

20110A001

Grades 10, 11, 12

½ Credit

Prerequisites: IT: Transportation highly recommended

Length of Course: One Semester

Elective Course

Power Theory is an instructional program that prepares individuals to troubleshoot, service, and repair a variety of small internal-combustion engines, involving both two and four cycle engines used on portable power equipment. Planned activities will allow students to become knowledgeable of fundamental principles and technical skills related to troubleshooting, repairing, identifying parts and making precision measurements. Safety will be a key component of this class. Students will also be exposed to career opportunities related to small engines.

INDUSTRIAL TECHNOLOGY

Welding Methods I

13207A001

Grades 10, 11, 12

1 Credit

Prerequisites: None
Length of Course: One Year
Elective Course

Welding I may be taken as an ICC dual credit course—WLDTR 121 and WLDTR 123 (juniors/seniors only)

Welding Methods I assists students in gaining the knowledge and developing the basic skills needed to be successful in welding technology. Units of instruction include arc, TIG and MIG welding, metallurgy, cutting metal using arc, plasma, and oxy-gas. In addition, students learn the basics of blueprint reading, precision measuring, layout, and production process planning. A materials fee will be assessed to each student.

Welding Methods II

13207A002

Grades 11, 12

1 Credit

Prerequisites: Welding Methods I
Length of Course: One Year
Elective Course

Welding II may be taken as an ICC dual credit course—WLDTR 123 and WLDTR 225

Advanced Welding II builds on the skills and concepts introduced in Welding 1, 2 and provides more in-depth skill development in various types of welding including horizontal, vertical, overhead, and circular techniques. Students also explore the use of robotic and automated production welding. A materials fee will be assessed to each student.

Welding Methods III

13207A002

Grade 12

1 Credit

Prerequisites: Welding Methods II
Length of Course: One Year
Elective Course

Welding III may be taken as an ICC dual credit course—WLDTR 118

Dual Credit Welding III builds on the skills and concepts introduced in Welding 3, 4 and provides more in-depth skill development in various types of welding including horizontal, vertical, overhead, and circular techniques. Students also explore the use of robotic and automated production welding. A materials fee will be assessed to each student.

Wood Machines and Methods

17003A001

Grades 10, 11, 12

½ Credit

Prerequisites: None
Length of Course: One Semester
Elective Course

Wood Machines and Methods is a one-semester course designed to orient students with the safe operation of power woodworking machines and tools used to process materials to produce a product. The students will be exposed to many experiences in woodworking area involving work with tools, machines, joint techniques, basic cabinet construction, preparing wood for a finish, and different finishing techniques. Problem solving will be stressed. A materials fee will be assessed to each student.

INDUSTRIAL TECHNOLOGY

Wood Production Technology

17003A001

Grades 10, 11, 12

½ Credit

Prerequisites: Wood Machine and Methods and/or permission from instructor

Length of Course: One Semester—Second semester only

Elective Course

Wood Production Technology is a one-semester course designed to orient students to develop an appreciation for the technologies involved in many aspects of production. A better understanding of the problem-solving, decision-making, and technical expertise involved in production to help the student become technologically literate will be stressed. It involves the research and development, production planning and tooling, quality control, management, manufacturing, and marketing components of industries which provides goods and services for people. Students will construct a custom project. As a team, the students will also organize a company. The company will design and mass-produce a product. The will elect officers, keep records of all work, and set up assembly lines. A materials fee will be assessed to each student.

MATH

Algebra I

02052A000

B, S, E, R

Grade 9

1 Credit

Prerequisites: None

Length of Course: One Year

Meets requirement for one year of mathematics

Algebra I includes 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.

Algebra II

02106A000

B, S, E, R

Grade 11, 12

1 Credit

Prerequisites: Algebra I and Geometry or concurrent enrollment in Geometry

Length of Course: One Year

Elective Course: (may be taken in Grade 10 with instructor's approval)

Algebra II combines 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.

Algebra III

02057A000

B, R

Grade 12

1 Credit

Prerequisites: Algebra II

Length of Course: One Year

Elective Course

Algebra III is designed for students who have successfully completed Algebra II. This course will enhance the higher level thinking skills developed in Algebra II through a more in-depth study of those concepts and exploration of some pre-calculus concepts. Students in Algebra III will be challenged to increase their understanding of algebraic, graphical and numerical methods to analyze, translate and solve quadratic, polynomial, rational, exponential and logarithmic functions. Modeling real world situations is an important part of this course. Sequences and series will be used to represent and analyze real world problems and mathematical situations. Algebra III will also include a study of trigonometric functions, right triangles, and oblique triangles. Teachers are responsible for integrating appropriate technology for Algebra III.

AP[®] Calculus AB

02124A000

Grade 12

1 Credit

Prerequisites: Algebra II and Pre-Calculus

Length of Course: One Year

Elective Course

AP[®] Calculus AB follows 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 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).

MATH

Geometry

02072A000

B, S, E, R

Grade 10

1 Credit

Prerequisites: Algebra I or the equivalent

Length of Course: One Year

Required Course

Geometry is a course emphasizing an abstract, formal approach to the study of geometry, and typically includes 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.

Pre-Calculus

02110A000

S, E, DC

Grades 11, 12

1 Credit

Prerequisites: Geometry (E) or Algebra II

Length of Course: One Year

Elective Course

Pre-Calculus may be taken as ICC dual credit courses—MATH 115 and 120

ICC requires a student to meet or exceed the qualifying score on the math COMPASS test.

Pre-calculus is a course in which students study the number system, negative and fractional exponents, systems of equations, matrices, operations with polynomials, functions, imaginary and complex numbers, quadratic equations, conic sections, trigonometric functions, and radian measurement. Students will also study a combination of algebra and geometry in the study of analytical geometry. Advanced topics such as vectors, polar graphs, logarithms, fractal geometry, probability, statistics, and graph theory are included as time permits.

Probability and Statistics /AP®

02203A000

Grade 11, 12

1 Credit

Prerequisites: Algebra II

Length of Course: One Year

Elective Course

Probability and Statistics/AP® is a course that follows the College Board's suggested curriculum designed to parallel college-level statistics courses. AP® Statistics courses introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Earning AP® credit is optional.

PHYSICAL DEVELOPMENT/DRIVER EDUCATION/HEALTH

Air Force Junior Reserve—Officer Training Corps 100

09151A000

Grades 9, 10, 11, 12

1 Credit

Prerequisites: None
Length of Course: One Year
Elective Course

Air Force Junior Reserve Officer Training Corps 100 is the beginning level of the Air Force Junior Reserve Officer Training Corps. The first year of AFJROTC is a study in Aviation History; citizenship, character and Air Force Tradition. The Aviation History unit looks at the origins and development of flight. The unit continues in the importance of air power and its emphasis during World War I through the Vietnam War. Lastly the role that air power has played in humanitarian relief efforts throughout the world and the results of those operations are studied.

The Leadership unit is designed to give the basic principles of the Air Force organizational structure; proper wear of the Air Force uniform; customs and courtesies from both a civilian and military perspective. The unit looks at the purpose of choosing and maintaining a healthy life style. The unit is finished with the foundations of citizenship, knowing how the government works and its functions.

Air Force Junior Reserve—Officer Training Corps 200

09152A000

Grades 10, 11, 12

1 Credit

Prerequisites: AFJROTC I
Length of Course: One Year
Elective Course

Air Force Junior Reserve Officer Training Corps 200 is a continuation into Aerospace science studies and leadership development. The two units taught during the second year are: Science of Flight; Communication, Awareness, and Leadership. The Science of Flight unit looks at the atmosphere, its composition and elements. The unit discusses weather, air masses, clouds, and fronts; and the effects that each of these have on aviation. It summarizes the principles of the physiology of flight, how it affects the body, and equipment used to protect the body in flight. Lastly it covers general aeronautics, how aircraft is controlled, and the principles of engine operations; discusses elements, aids, charts, and instruments used in navigation.

The Leadership unit continues in developing students leadership skills. The unit looks at the reasons for effectively communicating in both oral and written form. The unit recognizes and develops a positive attitude, and the importance of group/team building. It also teaches students the importance of being an effective leader. Lastly the unit looks at traits, principles, examples, and models of successful leadership.

At the discretion of the AFJROTC Instructors, a sophomore, junior, or senior who is a first year AFJROTC cadet may be allowed to take AFJROTC II, AFJROTC III, AFJROTC IV; The student must petition the AFJROTC instructors, in writing within the first two weeks of the semester (or within one week of enrollment, if the student has not started the semester in AFJROTC), to be advanced. The instructors will make the determination whether or not to approve the petition based upon the logic of the petition, the student's level of engagement in the AFJROTC program, and the maturity of the student. The student does not get credit for previous years of AFJROTC that they have not taken.

PHYSICAL DEVELOPMENT/DRIVER EDUCATION/HEALTH

Air Force Junior Reserve—Officer Training Corps 300

09153A000

Grades 11, 12

1 Credit

Prerequisites: AFJROTC I
Length of Course: One Year
Elective Course

AFJROTC 300 is the third year of a four-year program. This unit takes a look at the exploration of space; life skills and career opportunities. Exploration of space is the studies of our earth, the moon, and the planets; and the latest advances in space technology. It is an introduction of space exploration; the effects of orbits and trajectories within our universe; spacecraft and launch vehicles; and mission operations and management.

The Leadership unit focuses on life after high school. The unit helps the student map his/her future and set goals for choosing a career path. The unit discusses the needs for personal financial planning, developing a budget, and real life issues as in buying and selling; process for selecting a college and the methods of college entrance testing; and pursuing a career, looking at resumes, job interview process, and preparing for a job interview.

At the discretion of the AFJROTC Instructors, a sophomore, junior, or senior who is a first year AFJROTC cadet may be allowed to take AFJROTC II, AFJROTC III, AFJROTC IV; The student must petition the AFJROTC instructors, in writing within the first two weeks of the semester (or within one week of enrollment, if the student has not started the semester in AFJROTC), to be advanced. The instructors will make the determination whether or not to approve the petition based upon the logic of the petition, the student's level of engagement in the AFJROTC program, and the maturity of the student. The student does not get credit for previous years of AFJROTC that they have not taken.

Air Force Junior Reserve—Officer Training Corps 400

09154A000

Grade 12

1 Credit

Prerequisites: AFJROTC I, II, III or permission from instructor
Length of Course: One Year
Elective Course

Air Force Junior ROTC 400 is the fourth year of the four year AFJROTC program. In this course the cadets apply the material of the first three years to the management of the cadet corps. The senior cadets are responsible for the operations and planning of all cadet and unit activities. This hands-on experience affords the cadets the opportunity to put the theories of previous leadership courses into practice. All the planning, organizing, directing, controlling, and decision making will be done by the cadets. They practice their communication, decision-making, personal-interaction, managerial and organizational skills. Academically the cadets will study the principles of management. The principle of management course teaches the students to see themselves as managers. It teaches them the principles of management to be applied in any organizational endeavor. The course is divided into four areas:

1. Management Techniques
2. Management Decisions
3. Management Functions, and
4. Managing Self and Others.

At the discretion of the AFJROTC Instructors, a sophomore, junior, or senior who is a first year AFJROTC cadet may be allowed to take AFJROTC II, AFJROTC III, AFJROTC IV; The student must petition the AFJROTC instructors, in writing within the first two weeks of the semester (or within one week of enrollment, if the student has not started the semester in AFJROTC), to be advanced. The instructors will make the determination whether or not to approve the petition based upon the logic of the petition, the student's level of engagement in the AFJROTC program, and the maturity of the student. The student does not get credit for previous years of AFJROTC that they have not taken.

PHYSICAL DEVELOPMENT/DRIVER EDUCATION/HEALTH

Physical Development - Recreational

08001A000

Grades 9,10,11,12

½ Credit

Prerequisites: None

Length of Course: One Semester

Required Course

Recreational Physical Development provides 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, weight training, aerobic conditioning, mass calisthenics, and fitness testing.

Sports Psychology

04255A000

Grades 11, 12

½ Credit

Prerequisites: This course is offered to Juniors and Seniors who are also varsity athletes

Length of Course: One Semester-offered every other year

Required Course

Sports Psychology provides students with an overview into the nature of psychology as it applies to sport and leisure activities. Psychological principles and concepts will be applied to sport situations and to individuals with performance-related activities.

SCIENCE

Astronomy and Meteorology

03008A000

B

Grades 11, 12

½ Credit

Prerequisites: Successful completion of two years of science or approval from instructor
Students earning credit this course cannot enroll in Earth Science

Length of Course: One Semester

Elective Course

Astronomy and Meteorology courses introduce students to the study of the earth from a local and global perspective. In these courses, students typically learn about time zones, latitude and longitude, atmosphere, weather, climate, matter, and energy transfer. Advanced topics often include the study of the use of remote sensing, computer visualization, and computer modeling to enable earth scientists to understand earth as a complex and changing planet. The astronomy portion of this course offers students the opportunity to study the solar system, stars, galaxies, and interstellar bodies. Students may be introduced to and use astronomical instruments and explore theories regarding the origin and evolution of the universe, space, and time. The meteorology portion of the course examines the properties of the earth's atmosphere. Topics include atmospheric layering, changing pressures, winds, water vapor, air masses, fronts, temperature changes and weather forecasting.

Biology (L)

03051A000

S, E, R

Grade 9

1 Credit

Prerequisites: None

Length of Course: One Year

Meets requirement for one year of science

Biology (L) satisfies one-year of the science requirement for graduation through the study of living things (past, present, future). It also serves as one path toward the elective science classes. This course surveys text units on cells, themes, kingdoms, ecology, evolution, and heredity. Laboratory work will include use of microscopes and dissection materials. Lectures, demonstrations, and project work are included in the course.

Botany I (L)

03058A000

S, R

Grades 11, 12

½ Credit

Prerequisites: Successful completion of two years of science or approval from instructor

Length of Course: One Semester

Elective Course

Botany I (L) includes a detailed study of the structures and functions of different plant groups; focusing particularly on the differences between monocots and dicots. The course will also cover plant growth, plant behavior and the physiological processes of cellular respiration and C3, C4, and CAM photosynthesis.

Botany II (L)

03058A000

Grades 11, 12

½ Credit

Prerequisites: Botany I

Length of Course: One Semester

Elective Course

Botany II (L) will supplement the content of Botany I. The course will introduce students to the evolution and diversity of the Plant Kingdom as well as their importance to humans. The class content will include plant genetics, evolution, naming and classification as part of a survey of the plant kingdom. The course will also include plant ecology, life-histories, and human cultivation and modification of plants to meet human needs.

SCIENCE

Chemistry (L)

03101A000

Grades 10, 11, 12

1 Credit

Prerequisites: Successful completion of Biology; Algebra I; or permission from instructor

Length of Course: One Year

Elective Course

Chemistry (L) gives the student an understanding of major chemistry principles in a logical manner. Topics of study include atomic structure, molecular structure, chemical nomenclature, types of chemical reactions, mass relationships in chemical reactions, behaviors of solids, liquids, and gases, acids and bases, and nuclear reactions. Lecture, problem solving, and experiments are the primary methods of instruction.

Chemistry Advanced (L)

03102A000

Grades 11, 12

1 Credit

Prerequisites: Chemistry and successful completion of Advanced Algebra/Trigonometry or permission from instructor

Length of Course: One Year

Elective Course

AP Chemistry (L)(E) reviews and reinforces the objectives of Chemistry and is designed to be an extension of Chemistry. Topics of study include thermodynamics, reaction spontaneity, solutions, kinetic theory, chemical equilibrium, acids and bases, and nuclear reactions. Lecture, problem solving, and experiments are the primary methods of instruction.

Earth Science (Survey of Earth Science)

03001A000

S, DC

Grades 11, 12

½ Credit

Prerequisites: Students must have passed two years of science with a grade of C or better.

Students earning credit for Astronomy/Meteorology and/or Geology cannot enroll in this course.

Length of Course: One Semester

Elective Course

Survey of Earth Science may be taken as an ICC dual credit course—EASC 111

ICC requires at least a COMPASS Reading of 81 or an ACT Reading of 18

Survey of Earth Science (EASC 111) is a class designed for students who want to gain an in-depth knowledge of their world and the physical environment around them. Topics of study will include: Earth's formation and history, the solid Earth, Oceans, meteorology (weather events), Astronomy, and our place in the solar system. Upon completion of the course, students will have learned about Earth's dynamic internal and external processes related to geologic time, formation of continents, plate tectonics, the rock cycle, erosion processes, creation of landforms, the hydrologic cycle, ocean water and life, and the atmosphere.

Ecology and Conservation (L)

03003A000

Grades 11, 12

½ Credit

Prerequisites: Successful completion of two years of science or approval from instructor

Length of Course: One Semester

Elective Course

Ecology and Conservation (L) is a basic awareness program dealing with: (1) ecology-which is the study of the interactions of plant and animals with their environment; (2) population studies; (3) pollution and human ecology; (4) natural resource studies. The course is designed to make students aware of their environment and its problems.

SCIENCE

Geology

03002A000

B

Grades 11, 12

½ Credit

Prerequisites: Successful completion of two years of science or approval from instructor
Students earning credit for this course cannot enroll in Earth Science

Length of Course: One Semester

Elective Course

Geology provides an in-depth study of the forces that formed and continue to affect the earth's surface. Earthquakes, volcanoes, and erosion are examples of topics that are presented.

Human Physiology (L)

03053A000

Grades 11, 12

1 Credit

Prerequisites: Two years of science, one of which must be Biology or approval from instructor

Length of Course: One Year

Elective Course

Human Physiology (L) is 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.

Modern Physical Science (L)

03159A000

B, S, R

Grade 10

1 Credit

Prerequisites: Biology (L)

Length of Course: One Year

Required Course

Modern Physical Science (L) is designed to allow students to become better informed in the area of physical sciences. Three major divisions are studied: chemistry, physics, and earth science. This course has a "hands-on" approach with many laboratory experiments. Critical thinking and problem solving skills are stressed throughout the course.

Physics (L)

03151A000

Grades 11, 12

1 Credit

Prerequisites: Pre-Calculus or Trigonometry/Pre-Calculus (E) (completion or concurrent enrollment)

Length of Course: One Year

Elective Course

Physics (L) involves the study of the forces and nature affecting matter, such as motion, momentum, equilibrium, the relationships between matter and energy, waves, sound, and light. Lecture, problem solving, and experiments are the primary methods of instruction.

SOCIAL SCIENCE

American Political Systems

04160A000

S, E, R

Grade 12

½ Credit

Prerequisites: None

Length of Course: One Semester

Required Course

American Political Systems is a course in American government. This course covers the United States Constitution, Illinois Constitution, Declaration of Independence, United States flag, political parties, elections, interest groups, media, local government, and U.S. economy. The purpose of this course is to prepare students to perform effectively as informed citizens.

Introduction to Social Science

04305A000

S, R

Grades 9, 10

½ Credit

Prerequisites: None

Length of Course: One Semester

Required Course

Introduction to Social Science is intended to introduce the students to the many areas of social studies. The major areas to be covered will include history, geography, political science, and economics. An overview of material from each of these areas and others will be presented and discussed. Throughout the course, critical thinking and study skills will be reviewed and reinforced, especially in the areas of proper note taking and time management skills. Major global issues and current events will be emphasized in presenting course material.

Issues in Psychology

04254A000

S, R

Grade 12

½ Credit

Prerequisites: None

Length of Course: One Semester

Elective Course

Issues in Psychology is the study of mental processes and human behavior. Students will examine the behavior of animals and man in an attempt to better understand their nature. Psychological terms will be demonstrated, defined and related to the behavior of people. Also, personality will be studied along with varied emotional responses, defense mechanisms, and resultant disorders.

Issues in Sociology

04258A000

S, R

Grade 12

½ Credit

Prerequisites: None

Length of Course: One Semester

Elective Course

Issues in Sociology is designed to help the student gain an understanding of sociology and to distinguish it from other studies of human behavior. The student will better understand the social problems and social issues within our society; and to develop an acceptance of and an appreciation for lifestyles different from their own.

SOCIAL SCIENCE

Western Civilization II: 1500 A.D. to Present

04063A000

DC

Grade 12

½ Credit

Prerequisites: ICC Compass Score of 81 or Higher

Length of Course: One Semester

Elective Course

Western Civilization II may be taken as an ICC dual credit course—HIST 118

ICC requires at least a COMPASS Reading of 81 or an ACT Reading of 18

Western Civilization II: 1500 A.D. to Present presents an introduction to the history of Europe and its relationships with the world since the Renaissance. Major topics include development of science and technology, capitalism and industry, liberalism, imperialism, nationalism, socialism, totalitarianism, and international relations.

World History I: Prehistoric to A.D. 1500

04058A000

S, E, R

Grades 9, 10

½ Credit

Prerequisites: Eighth grade test scores or approval of the administrator

Length of Course: One Semester

Elective Course: Fulfills Intro to Social Science requirement; recommended for the college bound student.

World History I is a study of ancient and medieval history. It is a survey course that studies the origin of civilizations including the Prehistoric Period, Egypt, Greece, Rome, and continues through the Medieval Period of Europe. Special emphasis is placed on studying the development of Western Civilization. The geographic emphasis of the course is the development of Africa, the Middle East and Europe. World History 1 (E) will involve the students in the development of research skills and techniques, essay writing, the use of primary sources, and independent study of selected topics. Major global issues and current events in the news will also be presented and discussed.

World History II: 1500 – 1945

04053A000

S, E, R

Grades 9, 10

½ Credit

Prerequisites: Eighth grade test scores or approval of the administrator

Length of Course: One Semester

Elective Course: Fulfills Intro to Social Science requirement; recommended for the college-bound student

World History II is a study of world history from the Renaissance and Reformation to the end of World War II. The course begins with a brief review of major historical events up to the mid-16th century, and then continues as a survey course throughout the 17th through 20th centuries. Emphasis is placed on the development of Western Europe and the Middle East throughout this time period. The course concludes with an in-depth study of the emergence of the United States as a world power in the first half of the 20th century as a result of World War I and World War II. Major global issues and current events will also be presented and discussed. This course will involve the students in the development of research skills and techniques, essay writing, the use of primary sources, and independent study of selected topics.

World History III: 1945 – Present

04065A000

S, R

Grades 9, 10, 11, 12

½ Credit

Prerequisites: Eighth grade test scores or approval of the department administrator

Length of Course: One Semester

Elective Course: Fulfills Intro to Social Science requirement; recommended for the college-bound student.

World History III is a study of America and the World since World War II. The course begins with a study of postwar problems in Europe, America, and Asia. The course continues as a survey course through the latter half of the 20th Century. Some of the major areas of study are the Cold War, Korean War, Civil Rights Movement, Vietnam War, Middle East Conflict, and major global issues confronting America and the World during this time period. Current issues in the news are also discussed.

SOCIAL SCIENCE

You and the Law

04165A000

S, R

Grades 10, 11, 12

½ Credit

Prerequisites: None

Length of Course: One Semester

Elective Course: Recommended for the college-bound student

You and the Law is an introduction to the law and the American legal system. This course is designed to provide students with a practical understanding of some of the aspects of the law that they may come into contact with over their lifetime. Topics to be covered include: civil law, wills, criminal law, forensics, and juvenile law. Students will also be introduced to the American court system and to a number of legal terms. The course will place emphasis on the examination of specific case studies to further an understanding of the law.

SPECIAL EDUCATION DEPARTMENT

Career I

22151A000 **R** **Grade 9** **1 Credit**

Prerequisites: As per IEP
Length of Course: One Year
Elective Course

Career I is designed for students who have specific disabilities or general academic lag in the area of careers. This is a general orientation to vocational education that introduces students to the world of work. Included in this course are: career assessments, appropriate work behaviors and attitudes, self-evaluation of interest and ability, and an introduction to various careers and career clusters.

Career II

22151A000 **R** **Grade 10** **1 Credit**

Prerequisites: CC Career I or sophomore
Length of Course: One Year
Elective Course

Career II, is designed for students who have specific disabilities or general academic lag in the area of careers. This course, based on individual student needs, will continue to emphasize each student's interests and abilities as they relate to the world of work. Instruction will include teaching employment skills, completing an application, contacting employers, interviewing skills, and understanding rights and responsibilities of the employee and employer. A variety of career clusters will be explored.

Career III

22151A000 **R** **Grade 11** **1 Credit**

Prerequisites: CC Career I or sophomore
Length of Course: One Year
Elective Course

Career III, is designed for students who have specific disabilities or general academic lag in the area of careers. This course, based on individual student needs, will continue to emphasize each student's interests and abilities as they relate to the world of work. Instruction will include teaching employment skills, completing an application, contacting employers, interviewing skills, and understanding rights and responsibilities of the employee and employer. A variety of career clusters will be explored.

Career IV

22151A000 **R** **Grade 12** **1 Credit**

Prerequisites: CC Career I or sophomore
Length of Course: One Year
Elective Course

Career IV, is designed for students who have specific disabilities or general academic lag in the area of careers. This course, based on individual student needs, will continue to emphasize each student's interests and abilities as they relate to the world of work. Instruction will include teaching employment skills, completing an application, contacting employers, interviewing skills, and understanding rights and responsibilities of the employee and employer. A variety of career clusters will be explored.

SPECIAL EDUCATION DEPARTMENT

Community Awareness

22206A000 **R** **Grades 9, 10, 11, 12** **1 Credit**

Prerequisites: As per IEP
Length of Course: One Year
Elective Course

Community Awareness is a course on community skills that is a necessary part of the Life Skills curriculum. The students will learn about their own community, including what services and businesses are available locally. The students will use classroom work and community outings to gather information and pursue interests with community members. Topics covered include transportation, community resources, citizenship, and environmental awareness.

English I - Functional

01001A000 **R** **Grade 9** **1 Credit**

Prerequisites: As per IEP
Length of Course: One Year
Required Course

Functional English I is designed for students having significant disabilities or general academic delays in Language Arts. The focus of this course is on reading, writing, speaking, listening and the study of literature. Students will be able to study, retain and use information from many sources. As students progress, a structured study of literature will allow them to recognize universal themes and to compare styles and ideas across authors and eras.

English II - Functional

01002A000 **R** **Grade 10** **1 Credit**

Prerequisites: As per IEP
Length of Course: One Year
Required Course

Functional English II is designed for students who have significant disabilities or general academic delays in language arts. The focus of this course is on reading, writing, speaking, listening and study of literature. Students will be able to study, retain and use information from many sources. As students progress, a structured study of literature will allow them to recognize universal themes and to compare styles and ideas across authors and eras.

English III - Functional

01003A000 **R** **Grade 11** **1 Credit**

Prerequisites: As per IEP
Length of Course: One Year
Required Course

Functional English III is designed for students who have significant disabilities or general academic delays in language arts. The focus of this course is on reading, writing, speaking, listening and study of literature. Students will be able to study, retain and use information from many sources. As students progress, a structured study of literature will allow them to recognize universal themes and to compare styles and ideas across authors and eras.

SPECIAL EDUCATION DEPARTMENT

English IV - Functional

01156A000

R

Grade 12

1 Credit

Prerequisites: As per IEP
Length of Course: One Year
Required Course

Functional English IV is designed for students who have significant disabilities or general academic delays in language arts. The focus of this course is on reading, writing, speaking, listening and study of literature. Students will be able to study, retain and use information from many sources. As students progress, a structured study of literature will allow them to recognize universal themes and to compare styles and ideas across authors and eras.

English - Open

01009A000

R

Grades 11, 12

½ Credit

Prerequisites: Deficiency in Required English Course Credit
Length of Course: One Semester
Required Course

Open English is designed for students who have specific disabilities or general academic lag in the area of English. This course is designed for the student who needs to fulfill graduation requirements for CC English 1,2,3,5, or 6, and who, for one reason or another, has failed to earn those credits in regularly scheduled classes. CC Open English affords the student another opportunity to master the fundamental basics of grammar, literature, writing and spelling. A student may take CC Open English only one time.

English – Transitional

01998A000

R

Grades 12

1 Credit

Prerequisites: As per IEP
Length of Course: One Year
Required Course

Transitional English provides students with work experience in a field related to English language or literature. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace

Health

08054A000

R

Grades 9, 10, 11, 12

1/2 Credit

Prerequisites: As per IEP
Length of Course: One Semester
Required Course

Health is a course that provides the opportunity for the student to gain more information regarding wellness, diseases, nutrition, drugs, alcohol, smoking, emotions, stress, bodily functions and systems, as well as sexual wellness. The student's value system is stressed throughout the semester encouraging better health attitudes and decisions.

SPECIAL EDUCATION DEPARTMENT

Home Management

22206A000 **R** **Grades 9, 10, 11, 12** **1/2 Credit**
Prerequisites: As per IEIP
Length of Course: One Semester
Elective Course

Home Management is a course that provides students with a foundation of skills that would allow them to function independently. Topics include kitchen skills, clothing care, sewing, cleaning, hygiene, nutrition, childcare, medical care, and life at home.

Life Options

22206A000 **R** **Grades 9, 10, 11, 12** **1/2 Credit**
Prerequisites: None
Length of Course: One Semester
Elective Course Required with enrollment in the Behavior Development Program

Life Options is designed to provide students at all levels with knowledge of empathy, anger control, pro-social skills, and character education. It is set up to promote pro-social skill development and to systematically train students in the acquisition and internalization of these key life skills.

Math I - Functional

02002A000 **R** **Grade 9** **1 Credit**
Prerequisites: As per IEP
Length of Course: One Year
Required Course

Functional Math I designed for students who have significant disabilities or general academic delays in the area of mathematics. Numbers and operations on numbers play fundamental roles in helping us make sense of the world around us. Operations such as addition, subtraction, multiplication and division, as well as the ability to find powers and roots, extend the notion of numbers to create tools to model situations and solve problems in our everyday lives. The focus of this course is to develop this sense of numbers and operations and be able to use it to solve problems using mental computation, paper-and-pencil algorithms, calculators, and computers.

Math II - Functional

02002A000 **R** **Grade 10** **1 Credit**
Prerequisites: As per IEP
Length of Course: One Year
Required Course

Functional Math II is designed for students who have significant disabilities or general academic delays in the area of mathematics. Numbers and operations on numbers play fundamental roles in helping us make sense of the world around us. Operations such as addition, subtraction, multiplication and division, as well as the ability to find powers and roots, extend the notion of numbers to create tools to model situations and solve problems in our everyday lives. The focus of this course is to develop this sense of numbers and operations and be able to use it to solve problems using mental computation, paper-and-pencil algorithms, calculators, and computers.

SPECIAL EDUCATION DEPARTMENT

Math III - Functional

02002A000

R

Grade 11

1 Credit

Prerequisites: As per IEP
Length of Course: One Year
Required Course

Functional Math III is designed for students who have significant disabilities or general academic delays in the area of mathematics. Numbers and operations on numbers play fundamental roles in helping us make sense of the world around us. Operations such as addition, subtraction, multiplication and division, as well as the ability to find powers and roots, extend the notion of numbers to create tools to model situations and solve problems in our everyday lives. The focus of this course is to develop this sense of numbers and operations and be able to use it to solve problems using mental computation, paper-and-pencil algorithms, calculators, and computers.

Math IV - Functional

02002A000

R

Grade 12

1 Credit

Prerequisites: As per IEP
Length of Course: One Year
Elective Course

Functional Math IV is designed for students who have significant disabilities or general academic delays in the area of mathematics. Numbers and operations on numbers play fundamental roles in helping us make sense of the world around us. Operations such as addition, subtraction, multiplication and division, as well as the ability to find powers and roots, extend the notion of numbers to create tools to model situations and solve problems in our everyday lives. The focus of this course is to develop this sense of numbers and operations and be able to use it to solve problems using mental computation, paper-and-pencil algorithms, calculators, and computers.

Physical Development - Adapted

08007A000

R

Grades 9, 10, 11, 12

1 Credit

Prerequisites: As per IEP
Length of Course: One Year
Required Course

Adapted Physical Development is a course designed for students who are physically unable to participate in modified or regular physical education classes. The activities will be individualized in accordance to the abilities of each student.

Recreation and Leisure Skills

16203A000

R

Grades 9, 10, 11, 12

1/2 Credit

Prerequisites: None
Length of Course: Semester
Elective Course

Recreation and Leisure Skills will allow students to explore ways of spending their free time. They will discuss benefits of recreation and their personal preferences in many areas. The students will have a chance to share their hobbies and try different activities. Topics included are at-home activities, group activities, public recreation and scheduling.

SPECIAL EDUCATION DEPARTMENT

Related Study I

22004A001 **R** **Grade 11, 12** **1 Credit**

Prerequisites: CC Career I or II, or junior
Length of Course: One Year
Elective Course

Related Study I is designed for students who have specific disabilities or general academic lag in the area of related study. This course is designed for the student who is enrolled in CC Work Experience. Special education vocational education provides an opportunity for students to develop marketable skills and knowledge in an occupation while working on the job. In the related class, students receive instruction with a review of job-seeking skills, individualized assistance to develop job-specific skills, and instruction in consumer rights and responsibilities.

Related Study II

22004A001 **R** **Grade 12** **1 Credit**

Prerequisites: CC Related Studies I or senior
Length of Course: One Year
Elective Course

Related Study II is designed for students who have specific disabilities or general academic lag in the area of related studies. This course is designed for the student who is enrolled in CC Work Experience. Special education vocational education provides an opportunity for students to develop marketable skills and knowledge in an occupation while working on the job. In the related class, students receive instruction with a review of job-seeking skills, individualized assistance to develop job-specific skills, and instruction in consumer rights and responsibilities.

Social Awareness

22253A000 **R** **Grades 9, 10, 11, 12** **1/2 Credit**

Prerequisites: None
Length of Course: One Semester
Elective Course

Social Awareness is designed for students who may have difficulties in social skills. The course will provide the students with discussion and role-playing opportunities to improve social skills that are necessary for socialization.

Social Skills

22253A000 **R** **Grades 9,10,11,12** **1/2 Credit**

Prerequisites: As per IEP
Length of Course: One Semester
Elective Course

Social Skills is designed to develop social skills necessary so that the students can succeed in interactions with a variety of individuals and environments. Students will examine their own values while they begin to develop those values more widely held by society in general. The socialization skills are designed to help learners interact with peers, employers, parents and teachers. Topics covered include awareness of self, getting along with others, etiquette, and problem solving.

SPECIAL EDUCATION DEPARTMENT

U. S. History I - Functional

04101A000

R

Grade 11

1 Credit

Prerequisites: As per IEP

Length of Course: One Year

Required Course

Functional U. S. History I is designed for students who have specific disabilities or general academic lag in the area of history. This course is a study of our nation's history and growth. The first semester will include an overview of the period from 1492 to 1863. It will also include a study of selected topics such as U.S. Presidents, Indians, map and graph reading, and current events. The second semester will include a study of the period from 1863 to the present and current events.

Work Experience I

22004A001

R

Grades 11, 12

1 Credit

Prerequisites: Teacher Recommendation, DORS Client

Length of Course: One Year

Elective Course

Work Experience I is special education cooperative vocational education provides an opportunity for students to develop marketable skills and knowledge in an occupation while working on the job. The student is supervised by the teacher/coordinator and by the employer. The supervised work activities assist the student in gradually acquiring the appropriate attitudes and skills necessary to be successfully employed. The job training site provides opportunities to practice and improve appropriate job skills and attitudes. Student placement is often on a continuum, beginning with in-school placement and followed by placement at sites within the community. Learning experiences are provided as specified in the student training plans/agreements. Entrance to this course will be determined by teacher recommendation. A related class (Related Studies 1, 2) must be taken when enrolled in the Work Experience Program.

MISCELLANEOUS

Consumer Education **Grade 12** $\frac{1}{2}$ Credit

22210A000 **S, R**

Prerequisites: None

Length of Course: One Semester

Required Course

Consumer Education is an introduction to economics and consumer education. Units to be covered include: consumer in the marketplace, money and banking, investments, consumer credit, insurance, housing, taxation, and the free enterprise system. Consumer Education is a required course for graduation. Completion of Orientation to Business or Family and Consumer Science Orientation will satisfy the course requirements.

Cooperative Education – Inter-related **Grades 11, 12** **2 Credits**

22153A001

Prerequisites: Computerized Keyboarding

Length of Course: One Year

Elective Course (1 credit for classroom and 1 credit approved on-the-job work experience.)

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 supervision. 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.

Foundation Math

02002A000 **B** **Grade 9** **1 Credit**

Prerequisites: None

Length of Course: One Year

Meets requirement for one year of electives (not for mathematics credit)

Required elective course for students falling below the predetermined MAP Math RIT score

Foundation Math builds, reinforces, and expands students' foundational math skills. This course extends these skills to include some pre-algebra and algebra topics, number sense, measurement, basic geometry, and basic statistics.

Human Sexuality

08099A000 **Grade 11, 12** $\frac{1}{2}$ Credit

Prerequisites: Parental permission form must be signed before enrolling

Length of Course: One Semester

Elective Course

Human Sexuality discusses the principles and concepts relating to the physiological, psychological, and social aspects of human sexuality. Maturity and open-mindedness will be required to discuss the sometimes sensitive topics. Human Sexuality is designed to educate students on sexual awareness in an informational manner. This course is not designed to promote sexual activity or beliefs/opinions. Students will be required to participate in class discussions, complete daily assignments, class projects, writing assignments, quizzes, and tests.

MISCELLANEOUS

Media Methods: Broadcast Communications (Rocket 1)

11103A000

Grades 10, 11, 12

1 Credit

Prerequisites: Permission from instructor
Length of course: One Year
Elective Course

Media Methods: Broadcast Communications Live (Rocket 1) is a full year course offered only after successful completion of English 1 and 2 that teaches students the fundamentals of broadcast production. Students will successfully create a television production daily. This class serves as the “morning news” for LCHS, and is responsible for a daily LIVE show. Media Methods credit does not meet Language Arts requirement for graduation.

Media Methods: Broadcast Production (Rocket 1)

11103A000

Grades 12

1 Credit

Prerequisites: Permission from instructor
Length of course: One Year
Elective Course

Media Methods: Broadcast Production (Rocket 1) is a full year course that provides senior producers of Media Methods: Broadcast Communications with the knowledge and skill that goes on behind the scenes in order for the daily show to run smoothly. Students work on the back end of the show to prepare and create slides, pledges, schedules, videos, and recordings for Rocket 1 productions.

Media Methods: Newspaper

11104A000

Grades 10, 11, 12

1 Credit

Prerequisites: Permission from Instructor and English 1, 2
Length of course: One Year
Elective Course

Media Methods: Newspaper provides students with the knowledge and skills necessary to produce the school newspaper, *The Limelight*. Students may gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect while producing the publication.

Media Methods: Yearbook

1104A000

Grades 9, 10, 11, 12

1 Credit

Prerequisites: Permission from Instructor
Length of Course: One Year
Elective Course

Media Methods: Yearbook provides students with the knowledge and skills necessary to produce the school newspaper, yearbook, literary magazine, or other printed publication. Students may gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect while producing the publication.

PLTW: Introduction to Engineering Design

21102A001

Grade 9, 10, 11, 12

1 Credit

Prerequisites: None
Length of Course: One Year
Elective course

Introduction to Engineering Design (PLTW) teaches problem-solving skills using a design development process. Models of product solutions are created analyzed and communicated using solid modeling computer design software.

MISCELLANEOUS

PLTW: Principles of Engineering

21004A001

Grades 10, 11, 12

1 Credit

Prerequisites: None

Length of Course: One Year

Elective Course

Principles of Engineering (PLTW) helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes helps students learn how engineers and technicians use math, science, and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change.

Reading Strategies

01066A000

B, R

Grade 9

1 Credit

Prerequisites: None or as IEP

Length of Course: One Year

Meets requirement for one year of electives (not for English credit)

Required elective course for students falling below the predetermined MAP Reading RIT score

Reading Strategies is intended to improve a student's vocabulary, critical-thinking and analysis skills, or reading rate and comprehension level. This course will build reading skills in word meaning, understanding text, analyzing text, and evaluating text. Although these courses typically emphasize works of fiction, they may also include works of nonfiction (including textbooks). Strategic Reading courses often have a time-management focus, offering strategies for note-taking or for understanding and evaluating the important points of a text.

Social Issues

22253A000

Grades 12

½ Credit

Prerequisites: None

Length of Course: One Semester

Elective Course

Social Issues teaches the 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. Students study various dynamic issues facing today's society, enabling them to discover their own values and responsibilities as citizens in that society.

Student Council

22101A000

Grades 10, 11, 12

1 Credit

Prerequisites: None

Length of Course: One Year

Elective Course

Student Council is designed to strengthen students' personal and group leadership skills. Typically intended for students involved in extracurricular activities (especially as officers of organizations or student governing bodies), these courses may cover such topics as public speaking, effective communication, human relations, parliamentary law and procedures, organization and management, and group dynamics.