

Course Descriptions

AP Courses: The students are strongly encouraged to take the AP Exam in May. Students scoring a 3 or higher on the AP exam can earn college credit, if accepted. College admissions counselors look highly at AP courses on student transcripts because of the rigor and upper level thinking skills that are required in the courses. There is a fee for the AP exam.

All Courses require a minimum number of students enrolled to run. Exceptions may be made at the discretion of the building principal.

English

Please note that in some cases, films are used to supplement course content and textbooks. A complete list of films and their ratings may be found on the last page. Questions regarding content subject to a film's rating may be directed to the English department chairperson at 589-2040.

ENGLISH 1

ENG100 1 CREDIT

Students will read a variety of printed materials such as novels, short stories, magazines and newspaper articles, and other non-fiction material. The emphasis will be on developing reading skills in comprehension, interpretation, analysis, and evaluation of these printed materials. Students will write a variety of forms and practice gathering ideas, organizing, editing, revising, and producing final products. Two novels will be read independently in this course.

ENGLISH 2

ENG200 1 CREDIT

This course is designed to prepare students with further reading comprehension and writing tasks beyond English 1. Students will be expected to read pre-selected and student chosen novels, short stories, poetry, drama, and nonfiction pieces. Students will discuss the materials, complete projects and writing assignments in each major unit of study. This class will focus on close reading from a variety of texts, creating connections between multiple works and using evidence to support written assignments.

UTOPIAN LITERATURE

ENG 203

1 CREDIT

A utopia is a paradise, an ideal society with no poverty or injustice or unhappiness. It is a place with the perfect government, the perfect economy, and the perfect way of life. In this class, we will study different utopian philosophies, or different ways of creating a utopia, in real life and in literature. Throughout the course, we will ask the question: Is it possible to make a perfect community? In this course you will read a variety of literature, including novels, short stories, poetry, drama, and non-fiction articles. You will also analyze films and music. Be prepared to write!

ENGLISH 3

ENG300

1 CREDIT

Regents Exam

Emphasis will be placed on reading and writing about novels, plays, short stories, and poetry. This course will also include a basic review of non-fiction reading strategies. A novel will be read independently in this course. It is expected that students completing this course will take the English Regents.

CREATIVE WRITING

ENG380

1 CREDIT

This course is designed to teach students the skills necessary to write original pieces. Units may include: nonfiction, fiction, poetry, and children's stories. We will read a variety of texts to aid in the writing process. A journal is required.

MEDIA LITERACY

ENG410

1 CREDIT

Students will obtain the skills necessary to be discerning consumers of various media formats. Students will understand the historical evolution of media formats and understand the implications of the direction mass media is taking, including emerging media trends, based on historical context. Students will analyze the impact of various media on society and individuals. This analysis will include television programming, movies, Internet, newspapers, magazines, books, and advertising within the context of several media formats. Students are evaluated on their written responses, class and group discussions, and projects.

COLLEGE READINESS

ENG420

1 CREDIT

It's coming...sooner than you think! COLLEGE! It means new challenges, new experiences and increased independence. College Readiness is designed to help you develop many of the skills you will need in your life outside of high school: research and argumentative writing, study skills, time management, basic financial literacy, use of digital resources and much more! Students in this course will have an opportunity to visit college libraries and apply for scholarships in class. Every student will be required to create a personal portfolio by the end of the semester documenting individual research in an area of interest. If you want to be as prepared as possible to begin your college experience, College Readiness is for you!

COLLEGE COMPOSITION, LITERATURE AND HUMANITIES

ENG515

1 CREDIT (6 GCC Credits)

In this course, students will write six to seven compositions and take several quizzes and examinations. Basic rhetorical principles including distinctions between subjective and objective language and the elements of critical thinking are used to develop an overview of six aims of discourse. After the overview, students will study the special rhetoric of informative and persuasive discourses. Students are expected to share, revise, edit, and rewrite papers on a regular basis. Group discussion, lecture, an independent study project, and a research paper are all part of the course. In addition, the skills of writing prose, (begun in College Composition), will continue to be developed and refined in College Literature and Humanities. Students will write five informative, persuasive and/or expressive papers. Students will also produce an acceptable informative or persuasive research paper. In addition to writing, students will be exposed to various types of literature, art, philosophy, music, film, and poetry. Through their reading, listening and viewing, students will explore what it means to be human and how human beings interact with others and with the world around them. Various activities, including discussion, group projects, films, and presentations, will allow students to develop critical thinking skills. By registering with GCC, students who achieve a 70 or higher in the course can receive six college credits.

AP LANGUAGE AND COMPOSITION

APCLAN

2 CREDITS (40 weeks)

This full-year college course is designed for the motivated student who exhibits a desire to explore language and composition. It is designed to be equivalent to the introductory year of college composition course work. The course will help students become skilled readers of prose written in a variety of disciplines and rhetorical contexts, and become skilled writers who compose for a variety of purposes. An integral part of the course will be the development of research skills that enable students to evaluate, use, and cite source material. AP Language is a full year course worth 2 English credits. (This course will be offered during the 2016 - 2017 school year.)

AP LITERATURE AND COMPOSITION

APCLTC

2 CREDITS (40 weeks)

This full-year college course is designed for the motivated student who exhibits a desire to explore literature and composition. It includes instruction in the careful reading and analysis of literary works as well as frequent writing practice. SAT preparation, as well as a unit in the college essay/application process, is included. AP Literature is a full-year course worth 2 English credits. (This course will be offered during the 2017 - 2018 school year and will be offered every other year thereafter.)

Mathematics

PRE-ALGEBRA FOUNDATIONS

MAT100

1 CREDIT

This course covers all of the basic algebra and math concepts needed to be mastered before Algebra. This course prepares a student to be successful in an Algebra class. Use of a graphing calculator is needed and provided for use in class.

INTEGRATED ALGEBRA

MAT101

1 CREDIT

Regents Exam

This course focuses on preparation for the Math Regents Exam in Integrated Algebra. The course covers Algebra, graphing, functions, geometry, probability and statistics. Passing of the Integrated Algebra exam is a graduation requirement for a Regents Diploma. Use of a graphing calculator is needed and provided for use in class.

GEOMETRY

MAT201

1 CREDIT

Regents Exam

This course will cover all topics needed to pass the Math Regents Exam in Geometry. The course concentrates on Geometry, but also covers Algebra, graphing, functions, logic and formal proofs. This exam is required to receive a Regents Diploma with Advanced Designation. Use of a graphing calculator is needed and provided for use in class.

ALGEBRA/TRIGONOMETRY

MAT301

1 CREDIT (3 GCC credits)

Regents Exam

Follows the 101 and 201 sequence and primarily contains advanced algebra and trigonometry topics. A scientific calculator is required and a graphing calculator is needed and provided for use in class. This exam is required to receive a Regents Diploma with Advanced Designation. Use of a graphing calculator is needed and provided for use in class.

PRE-CALCULUS

MAT400/401

1 CREDIT (4 GCC credits)

The topics in this course include advanced algebra, trigonometry, analytic geometry and functions. Use of a graphing calculator is needed and provided for use in class. By registering with GCC, students who achieve a 70 or higher in the course can receive four college credits.

FINANCIAL LITERACY/BUSINESS MATH

MAT420

1 CREDIT

Financial Literacy is a course in applied mathematics for business and consumer use. It is designed to increase students' skills and awareness about personal finance and investments. Personal finance topics include checking/savings accounts, stocks and bonds, mutual funds, credit, insurance, taxes, job benefits, home ownership, auto ownership, college financial, marriage and divorce, retirement and estate planning. Additionally, students will learn about business topics such as payroll, bankruptcy, depreciation, purchasing and pricing merchandise, manufacturing costs, distributing business profits and financial statements. This course may be used as one math credit or one business credit.

COLLEGE CALCULUS

MAT501

1 CREDIT (4 GGC Credits)

Topics of study include derivatives and their applications, rate problems, maximum and minimum problems and integration and its applications. Use of a graphing calculator is needed and provided for use in class. A fee is required for college credit. By registering with GCC, students who achieve a 70 or higher in the course can receive four college credits. Prerequisite: Math 401

CALCULUS II/AP CALCULUS

APCCAL

1 CREDIT (4 GCC Credits)

Students must pass Calculus I to be eligible for this course. Topics of study include integration, applications of definite integral geometry, science, and engineering, principles of integral evaluation, materials modeling with differential equations, infinite series, and analytical geometry in calculus. Use of a graphing calculator is needed and provided for use in class. An AP exam fee is required. By registering with GCC, students who achieve a 70 or higher in the course can receive four college credits.

STATISTICS I

MAT550

1 CREDIT (3 GCC Credits) (Fall semester only)

This course provides an introduction to statistics, data analysis and includes measurements of Central Tendency, organizing data, and producing statistical models using probability. This course is a Prerequisite for A.P. Stats. Use of a graphing calculator is needed and provided for use in class. By registering with GCC, students who achieve a 70 or higher in the course can receive three college credits. Prerequisite: Algebra/Trigonometry

AP STATISTICS

APCSTA

1 CREDIT (20 weeks) (Spring semester only)

Through this course students can obtain college credit by taking the AP exam in May. The number of college credit earned is determined by the exam score. Topics include exploring and organizing data, data collection and interpretation, using probability theory and simulation to produce statistical models and using statistical inference. Use of a graphing calculator is needed and provided for use in class. Prerequisite: Statistics I

Science

REGENTS SCIENCE COURSES

Regents science is taught as either a 20 week or 40 week course. Students taking the 40 week science course will also complete an MST project which must be completed in order to get a second credit. ALL STUDENTS MUST SUCCESSFULLY PASS ONE SCIENCE REGENTS EXAMINATION AND MUST TAKE ONE PHYSICAL SETTING COURSE AND ONE LIVING ENVIRONMENT COURSE. All students must also complete a third science elective which need not be connected to a laboratory requirement or Regents exam. For example, some agricultural courses may satisfy the elective requirement for a third science credit. The MST project may also be used as the third credit of science.

MATH/SCIENCE/TECHNOLOGY (MST) PROJECT:

Offered as a 40 week course integrated with a science course, or as an individual 20 week course geared around various technologies. This course encompasses skills in experimental design and data collection and culminates in a project presented before the class. The project is a requirement for graduation.

PHYSICAL SETTING - EARTH SCIENCE

SCI110/115

1 CREDIT

Regents Exam

Earth Science is a highly laboratory-oriented course that will increase students' knowledge of their environment. Major emphasis is placed on developing the student's ability to take class notes, do homework and write laboratory reports. Grades are based on quizzes, tests, laboratory work, laboratory notebooks, class notebooks and homework. All students will take the New York State Regents Examination in Earth Science upon completion of the laboratory program.

LIVING ENVIRONMENT - BIOLOGY

SCI210/215

1 CREDIT

Regents Exam

The intent of this course is two-fold: (1) Concepts and principles of the living environment applicable to all life are presented to emphasize that all living systems are similar and related. Chemical aspects of this similarity are of major emphasis. (2) The laboratory work is designed to show first-hand the application of class discussion topics and to teach the student to reason deductively in a problem-solving situation. Grades are based on reading quizzes, vocabulary quizzes, worksheets, class notebooks, laboratory write-ups, and major examination. If eligible upon lab completion, all students will take the New York State Regents Examination in the Living Environment.

PHYSICAL SETTING -CHEMISTRY

SCI310/315

1 CREDIT

Regents Exam

Chemistry is the study of matter in its smallest possible detail. Emphasis is placed on the laboratory work. The student learns laboratory safety procedures. Laboratory experiments with subsequent write-ups and calculations are strongly emphasized. Class work consists primarily of lecture-demonstrations, quizzes, homework questions and problems, and tests. Grades are based on short quizzes, laboratory work, notebooks, laboratory tests and class tests. All students who successfully complete the lab program will take the New York State Regents Examination in Chemistry.

PHYSICAL SETTING - PHYSICS

SCI410/415

1 CREDIT

Regents Exam

If you want to know why objects fall, explain what occurs on a merry-go-round, or know how electric circuits operate, then physics is the course for you. Physics is the study of energy and matter. From the smallest subatomic particle to the largest buildings, we explore the forces and concepts that govern the everyday world. What do photocopiers and lightning bolts have in common? What is static electricity, how do airbags work and who really wins at tug of war? No matter what your goals are in life, you will be better at what you do if you understand the physics behind it all.

COLLEGE BIOLOGY

SCI520 1 CREDIT (3 GCC Credits)

College Biology is an in-depth study of the biological and chemical aspects of all living systems. It allows for a student to pursue a college-level course while still in secondary school. Students will be graded on class participation, exams, quizzes and lab work. By registering with GCC, students who achieve a 70 or higher in the course can receive three college credits for Principles of Biology.

MARINE SCIENCE

SCI580 1 CREDIT

Most of the Earth is covered by water! Marine Science is the study of the ocean and other marine environments. This course covers marine life as well as Oceanography and how the physical and living environments interact. The class is project-based with many lab investigations. These labs will provide the student with opportunities to investigate the physics, chemistry and biology of different marine environments. This course will require lab work, research and written assignments.

ADVANCED PLACEMENT BIOLOGY

APCBIO 1 CREDIT (20 weeks)

AP Biology is a rigorous, college-level course designed for highly motivated students who have a strong interest in science and wish to pursue a career in the science field. The content and setup of the course is very similar to a first year college Biology course for science majors. Students will study the following areas: organic chemistry, cell structure and functions, life functions of plants and animals, heredity, molecular genetics, ecology, diversity of organisms, evolution, human anatomy and physiology. All topics will be studied in great detail providing the solid background knowledge for many of the upper level college courses that any science major will encounter. Students will be graded on daily assignments, quizzes, exams, and lab work.

ADVANCED PLACEMENT CHEMISTRY

APCCHE 2 CREDITS (40 weeks)

AP Chemistry is a rigorous, college-level course designed for highly motivated students who have a strong interest in science and wish to pursue a career in the science field. The content and setup of the course is very similar to a first year college Chemistry course for science majors. Students will be graded on daily assignments, quizzes, exams, and lab work. High School Chemistry is strongly recommended prior to taking this course. (This course will be offered during the 2017 - 2018 school year and will be offered every other year thereafter.)

ADVANCED PLACEMENT PHYSICS

APCPHY 2 CREDITS (40 weeks)

AP Physics is a rigorous, college level, non-calculus based science course for highly motivated students who have a strong interest in science and wish to pursue a career in the science field. The course revolves around the concepts of motion, energy, fluids, heat, waves and electromagnetic forces. All topics will be studied in great detail, including lab work, quizzes, homework, and daily assignments. High school physics is strongly recommended prior to taking this course. (This course will be offered during the 2016 - 2017 school year.)

AGRICULTURAL SCIENCE

STE220 1 CREDIT

This course will address the multi-level pathways of the modern day Agri-Science Industry. Students will broaden their principles of LIFE through the study of new applications of science, technology, horticulture, agricultural math, natural resources, and the environment we live in. Students will participate in a number of indoor and outdoor activities that will emphasize the vast field of Horticulture and Agriculture.

THE SCIENCE OF FOOD

STE330 1 CREDIT

This class will develop and strengthen students' understanding of how foods are grown, produced, harvested, prepared and preserved. The course will incorporate both classroom learning and hands-on experience. Students will apply what they learn about food to develop a healthy lifestyle.

VETERINARIAN SCIENCE

STE520 1 CREDIT

Interested in being a Veterinarian, Vet Tech or just really care about animals? Then this is the class for you. In this class students will learn animal care, health, nutrition, anatomy and physiology, genetics and advancements in animal science.

FORENSIC SCIENCE

STE630 1 CREDIT

Forensic science is designed for those students who have an interest in crime scene investigation. Topics of study include the history and evolution of evidence processing, evidence collection, hair evidence, fingerprints, blood typing and spatter, DNA evidence, cause of death and forgery. Students will use higher-level thinking skills to piece together the written data collected to form logical conclusions about what may have occurred at a given crime scene. The course is made up of lab work, quizzes, written assignments, readings and required group work.

Social Studies

GLOBAL STUDIES I & II

SOC100/200

2 CREDITS

Regents Exam

Global Studies is a 40 week chronological study of World History and Geography starting with ancient human civilization and continuing through modern times. The Regents exam associated with this course is required for graduation.

U.S. HISTORY AND GOVERNMENT

SOC330

1 CREDIT

United States History is a 20 week chronologically organized course. The emphasis in this course is on the United States as an industrial nation. Constitution and legal issues are developed as well as issues of international and current events. This course is required for graduation.

ECONOMICS AND GOVERNMENT

SOC431

1 CREDIT

This course emphasizes the interaction between citizens and government at all levels: local, state, and federal. Student participation in the process of government is required. This course will also focus on economics and economic decision making. This course includes basic concepts and understandings which all persons need to function effectively and intelligently as citizens and participants in the economy of the United States and the world. Current issues relating to economics are also examined in the classroom. This course is required for Graduation.

COLLEGE WESTERN TRADITIONS

SOC530

1 CREDIT (6 GCC Credits)

This course is the study of Western Civilization from the ancient to present times. Students may earn six college credits. By registering with GCC, students who achieve a 70 or higher in the course can receive six college credits.

COLLEGE AMERICAN HISTORY

SOC650

1 CREDIT (3 GCC Credits)

This course is a 20 week survey study equivalent to the demands of an introductory college course in United States history. Emphasis is on the colonial period to the present; in-depth consideration by means of chronological or topical approach or a combination of the two; and political, social and economic and cultural treatment of the period. The students will use and analyze primary sources, including documentary material, maps, statistical tables and pictorial and graphic evidence to study historical events. The students will take notes from both printed material and lectures or discussions. By registering with GCC, students who achieve a 70 or higher in the course can receive three college credits.

AP GOVERNMENT AND ECONOMICS

APCGOV

2 CREDITS (40 weeks)

This course is a survey study equivalent to the demands of an introductory college course in United States government and politics. The course will give students an analytical perspective on government and politics in the U.S.; including the study of general concepts used to interpret U.S. politics and the analysis of specific examples. The course will develop students' familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. politics. This course will also satisfy the graduation requirements of the Economics course. This course includes basic concepts and understandings which all persons need to function effectively and intelligently as citizens and participants in the economy of the United States and the world. Current issues relating to economics are also examined in the classroom.

AP AMERICAN HISTORY

APCAMH

1 CREDIT (3 GCC Credits)

This course is a survey study equivalent to the demands of an introductory college course in United States history. Emphasis is on the colonial period to present; in-depth consideration by means of chronological or topical approach or a combination of the two; and political, social, economical and cultural treatment of the period. The student will use and analyze primary sources, including documentary material, maps, statistical tables, and pictorial and graphic evidence to study historical events. The students will take notes from both printed materials and lectures or discussions. An AP Exam fee is required. By registering with GCC, students who achieve a 70 or higher in the course can receive three college credits.

COMMUNITY SERVICE

SOC999

½ CREDIT

All students must complete a minimum of 30 hours of Community Service before they are eligible to graduate. This program gives students the chance to contribute to their community and to learn that by helping others they will help themselves. Students will have a wide range of placement opportunities including involvement with community agencies. They may volunteer for any non-profit charitable organization (e.g., churches, nursing homes, food banks). There is a list available in the Guidance Office. Specific opportunities are listed on morning announcements, school bulletin boards, and the school monitors.

Health and Physical Education

HEALTH

HEA320

1 CREDIT

Health is a NYS requirement to graduate. It is recommended that it be taken during the junior or senior year. Students will be introduced to the core concepts of health education according to the NYS standards and our district's curriculum. Health and wellness is promoted at an age appropriate level in order to best prepare students for life after high school in relationship to the topics: stress management, nutrition, goal setting, communication skills, mental health, substance abuse prevention, sexuality and family life, disease prevention, decision making, risk reduction, fitness, self-assessment, self-management, analyzing influences and health advocacy. Students will be responsible for completion of projects, self-assessments, journal writing, and graded assignments. This is a discussion based class on how teenagers make healthy decisions, reduce their health risks and promote/maintain a healthy lifestyle into adulthood.

PHYSICAL EDUCATION

PHE101/2/3

1/2 CREDIT

Physical education will develop advanced skills and strategies for team sports, individual/dual sports, and lifetime activities. Students will have an opportunity to select (based on seniority) from the following units: flag football, soccer, softball, basketball, volleyball, speedball, ultimate Frisbee, biking, ropes course, golf, bowling, kayaking, tennis, self-defense, aerobics, snow-shoeing, "picnic" games, broomball, team handball, cooperative games, pickleball, racquetball, badminton, table tennis, and orienteering. Emphasis will be on improving the fitness level and knowledge of each student by having him/her attend the community fitness center, participate in sport play, physical fitness testing, and daily physical conditioning.

Languages Other Than English

SPANISH I

SPN130 1 CREDIT

This course introduces the student to the basic reading, writing, listening, and speaking skills of the language through memorization of vocabulary, structure patterns and conversational material. The student's mastery of these skills will be tested orally in class almost daily and with at least two written quizzes per week. Upon completion of each unit, an exam or project will be given. The focus will be on the study of geography and cultures of Spanish speaking countries.

SPANISH II

SPN230 1 CREDIT

This course offers a continuation of study in the structure of the language with increased usage of the spoken language in class. Students should expect a continuation of the daily drill, weekly quizzes, projects, and unit exams to which they became accustomed in Spanish I.

SPANISH III

SPN330 1 CREDIT

Emphasis is placed upon the practical application of the listening, speaking, reading and writing skills developed in the first two years of study. The student should expect a continuation of the daily oral drills, weekly quizzes, and unit exams. The comprehensive Regents exam given in January or June will require the student to listen, to read, to speak and write grammatically correct Spanish sentences.

COLLEGE SPANISH I

SPN430 1 CREDIT (6 GCC credits)

This course has an emphasis on culture and on conversation. All grammar learned to date will be reviewed and more advanced concepts will be added. Literature and cultural materials will be used for discussion in class. More advanced stories will be read and discussed in class. By registering with GCC, students who achieve a 70 or higher in the course can receive six college credits.

LATIN II

LTN230 1 CREDIT

This course concentrates on Latin and English grammar. The study of Roman culture continues with an emphasis on Roman History. The mythology covered in Latin I will be reviewed and expanded upon.

LATIN III

LTN330 1 CREDIT

This course is an extension of Latin II.

*A SEQUENCE IN LATIN IS NOT GUARANTEED. COURSES ARE SOLEY DEPENDENT ON STUDENT ENROLLMENT.

Genesee Community College Courses

GENERAL PSYCHOLOGY

COLPSY (3 GCC Credits)

This course introduces scientific study of human and animal behavior. Topics include basic methodology, motivation, emotion, learning, memory, human development, personality, psychological disorders and therapy. The course meets two days per week at the Orleans GCC Campus. Students who enroll are required to pay a GCC fee. Students will have an opportunity to earn 3 GCC credits.

INTRODUCTORY SOCIOLOGY

COLSOC (3 GCC Credits)

This course studies social patterns affecting the structure and functioning of group life such as cultural values, deviance, class structure and social change. It examines methods and perspectives sociologists employ and the ways group forces influence the individual in society. The course meets two days per week at the Orleans GCC Campus. Students who enroll are required to pay a GCC fee. Students will have an opportunity to earn 3 GCC credits.

PUBLIC SPEAKING

COLSPE (3 GCC Credits)

This course develops listening and organizational skills and the ability to present messages effectively in public speaking situations. Primary instructional strategies are theory-model-practice and evaluation. The course meets 2 days per week at the Orleans GCC Campus. Students who enroll are required to pay a GCC fee. Students will have an opportunity to earn 3 GCC credits.

See your counselor for other college course opportunities.

Art

STUDIO ART

ART120 1 CREDIT

This course offers a semester long introduction to the nature, function and techniques of the visual arts in the present and in the past. Studio Art is a fundamental course introducing the elements and principles of art and design. This course includes work in a variety of media such as drawing, painting and art appreciation. In addition to the actual creative process, students should be able to demonstrate an understanding of the aesthetic judgments and be able to apply them to works of art.

DRAWING

ART 220 1 CREDIT

This course will be an exploration of the various materials and techniques associated with drawing. Students will study and experiment with a variety of papers where they will react to the various pencil and eraser techniques being taught. A wide range of subject matter will be explored such as still life, landscapes, figures, and portraits. Emphasis will be placed on drawing from direct observation.

PAINTING

ART 320 1 CREDIT

Students will explore a variety of painting media and techniques. Also incorporated will be a study of various artists and their styles. Media will include: watercolor, tempera, acrylic and ink, on various papers and canvas.

COLLEGE DRAWING

ART 510 1 CREDIT (3 GCC Credits)

This course builds on basic drawing skills and focuses on observational drawing and the development of an artistic imagination. This course explores various media, techniques, and compositional elements with special emphasis on portrait and life drawing. A working sketchbook is expected, as well as a strong focus on the elements and principles of art. Drawing I should be successfully completed first. By registering with GCC, students who successfully complete this course can receive three college credits. (This course will be offered during the 2017- 2018 school year and every other year thereafter.)

COLLEGE PAINTING

ART 520 1 CREDIT (3 GCC Credits)

Students who have mastered basic painting skills undertake sustained projects including portrait and landscape work. This course introduces acrylic painting techniques and focuses on the use of color theory, design fundamentals and painting styles. Lectures and handouts deepen students' appreciation of representational traditions. Advanced techniques, materials, and compositional issues are also investigated. Painting I should be successfully completed first. By registering with GCC, students who successfully complete this course can receive three college credits. (This course will be offered during the 2016-2017 school year and every other year thereafter.)

POTTERY

ART 700 1 CREDIT

This course covers the study of ceramics including wheel and hand built pieces, clay preparation, glazing and firing. Functional as well as sculptural applications will be explored. (Preference is for seniors and juniors based upon limited number of sections.)

DIGITAL PHOTOGRAPHY

ART 721 1 CREDIT

This is a survey course in the basic concepts of photography. Students will learn the basic fundamentals of camera operation, visual composition, digital manipulation and computer generation. The emphasis, first and foremost, will be placed on learning photography as a medium for creative expression. Technical procedures taught in the course will be vehicles for creating artistic, well-composed photographs. Students must provide a digital camera and a 3" three-ring binder for the course. (Preference is for seniors and juniors)

CAD LANDSCAPING/ARCHITECTURE

ART 733 1 CREDIT

This course will deal with the planning, drawing and construction of residential landscaping and residential structures. Topics covered in this class will be: horticulture, site planning, seasonal and climate planning of plants, lettering, aesthetics, floor plans, interior design, construction techniques, perspective drawing and careers. This class will offer hands-on and computer generated projects. (This course may be used as a technology or art credit. This course will be offered during the 2017 – 2018 school year.)

CAD I

TCH320

1 CREDIT (3 GCC Credits)

This course is designed to encourage visual problem-solving using a common graphic language to describe forms in the man-made environment. To enable students to analyze, creatively design and critically evaluate these objects, the course requires research for historical precedents, cultural references and future visions. This course will also fulfill the art/music requirement. By registering with GCC, students who achieve a 70 or higher in the course can receive three college credits.

Music

INTRODUCTION TO MUSIC HISTORY

MUS120

1 CREDIT

This course is good for students who want to meet the requirements for the Music/Art credit through music, but who do not want to participate in performance groups. It would also be of great benefit to those ensemble students who have a strong interest in music, or even plan to major in music at the collegiate level, and desire to gain a deeper understanding of music history. It will include a history of vocal and instrumental music, some very basic music theory (as it relates to different historical periods), the science of sound (as it relates to the development of new instruments and voicings), and careers in music (which coincides with the study of the evolution of music as a vocation). Students will be involved in composing, using basic tool skills in relation to these activities, and listening to music of many styles and musical periods. This class basically covers the history of western music from prehistoric man to modern times. There is a great deal of listening and discussion regarding the compositions, instrumentation and composers relative to their period in music history.

MUSIC THEORY I

MUS220

1/2 CREDIT

This is a 10 week course designed for those students who intend to use music as a sequence. Subject material includes: sight singing, ear training, diction, scales, intervals, rhythm and meter, key signature, triads, transposing and composition. This course must be taken in conjunction with Introduction to Musical Theatre.

INTRODUCTION TO MUSICAL THEATRE

MUS240

1/2 CREDIT

This course is designed for students who want to meet the requirements for the Arts credit. Introduction to Musical Theatre is a 10 week course and must be taken in conjunction with Beginning Music Theory. Subject material includes a history of musical theatre and the development of various theatrical styles. Students will read scripts, design sets, create costume designs, and develop an original musical script. This course must be taken in conjunction with Beginning Music Theory.

CHOIR

MUS320

1 CREDIT

This elective is a choral group which blends the curricular and extra-curricular aspects of the Albion Vocal Music Program. Rehearsals include: vocal technique development, sight reading and sight singing skills, aural training and ensemble etiquette. Rehearsals are combined with a rotating lesson schedule to meet state and local requirements for an academic music program. Group and/or solo voice lessons require the students to be on time without being reminded and to bring their music and other needed materials to each lesson. All choir members are required to participate in all scheduled concerts and performances throughout the year. Participation in choir also provides students access to the New York State School Music Association (NYSSMA) activities including Spring Solo Festival, Area All-State Music Festivals and Conference All-State Music Festival. Members of the choir are also eligible to participate in the Orleans County Music Educators Association (OCMEA) Solo Festival and All-County Music Festival. A variety of musical styles including classical, pop and Broadway are performed each year.

BAND

MUS520

1 CREDIT

Traditionally, band encompasses the curricular and extra-curricular aspects of the Albion Instrumental Program. Scheduled classroom work is combined with a rotating lesson schedule to meet state and local requirements for an academic music program. Instrumental lessons require the student to be on time without being reminded. Further, the students are to bring their own music, instrument, lesson book (acquired by purchase through the band director) and other pertinent items for their lessons. Woodwind students need to have their instrument in good working condition and should have a minimum of 3 good working reeds at all times. Brass players need to have their instrument in excellent working condition including all slides moving. Their mouthpieces should be cleaned weekly. Trumpet and trombone students are required to have at least a straight mute. This may be obtained by ordering through the band director. Participants are required to participate in all scheduled concerts and performances throughout the year. The venue of New York State School Music Association (NYSSMA) activities is also available through membership in the band. Such activities include Spring Solo Festival, Area-All State Music Festivals and the Conference All State Music Festival. Members of the band program are also eligible to participate in the Orleans County Music Educators Association All-County Music Festival that is held each year. Concert dress consists of a white shirt, tie, and black dress slacks for the gentlemen and a white blouse, floor length skirt or dressy black slacks for the ladies. Students are obligated to participate in the marching program. Students new to the band program must meet with the band director prior to placement in the band to discuss placement and requirements.

Occupational Education

MICROSOFT OFFICE I

BUS221

1 CREDIT

This course includes the development of the student's competency on the computer using Microsoft Office (Word, Excel, Power Point and Publisher). The first three weeks stress the keyboard and basic business correspondence. The remaining fifteen weeks of the course will provide the students with an in-depth view of Microsoft Office applications. Students will learn the basics in building a database, graphs, constructing research papers, business letters, resumes, power points and various Publisher applications. This course is strongly recommended for all students.

INTRODUCTION TO CAREER AND TECHNICAL EDUCATION

HCS120

1 CREDIT (CTE)

This course is designed to meet the mandated requirements for CTE majors. This course will introduce students to the realities of the "working world," providing them with information and experience which will help them make the correct decisions concerning work. Students will learn skills in the areas of management, decision-making, money management and critical thinking in order to become a more responsible student, worker and citizen. Students will explore all areas and their future options in CTE.

WORKPLACE INTERNSHIP

HCS430

1 CREDIT

The Albion Central School District, in partnership with the local business community, has developed a program that offers high school students an opportunity to gain experience in the area of their career interest while also learning the critical skills for life-long learning that will help them in whatever path they choose to take following graduation. Internships are unpaid. They are generally offered to Albion High School juniors or seniors in either the fall or spring semester for one block each day, although other options are possible to best meet the needs of an individual student. Participants provide their own transportation (if needed). While completing their internships, students are expected to maintain a portfolio of their experiences which includes a weekly log sheet indicating the hours they worked. A visual highlighting what they learned, as well as a written self-reflection at the midterm and course conclusion, are also required of all participants.

Agriculture

AGRICULTURAL SCIENCE

STE220 1 CREDIT

This course will address the multi-level pathways of the modern day Agri-Science Industry. Students will broaden their principles of LIFE through the study of new applications of science, technology, horticulture, agricultural math, natural resources, and the environment we live in. Students will participate in a number of indoor and outdoor activities that will emphasize the vast field of Horticulture and Agriculture.

THE SCIENCE OF FOOD

STE330 1 CREDIT

This class will develop and strengthen students' understanding of how foods are grown, produced, harvested, prepared and preserved. The course will incorporate both classroom learning and hands-on experience. Students will apply what they learn about food to develop a healthy lifestyle.

CAD LANDSCAPING/ARCHITECTURE

STE420 1 CREDIT

This course will deal with the planning, drawing, and construction of residential landscaping and residential structures. Topics covered in this class will be: horticulture, site planning, seasonal and climate planning of plants, lettering, aesthetics, floor plans, interior design, construction techniques, perspective drawing and careers. This class will offer hands-on and computer generated projects. (This course may be used as a technology or art credit. This course will be offered during the 2017-18 school year.)

VETERINARIAN SCIENCE

STE520 1 CREDIT

Interested in being a Veterinarian, Vet Tech or just really care about animals? Then this is the class for you. In this class students will learn animal care, health, nutrition, anatomy and physiology, genetics and advancements in animal science.

LEADERSHIP & RESPONSIBILITY

STE600 1 CREDIT

This course emphasizes essential leadership skills and techniques that foster personal growth and prepare students to take action as global citizens. The class will identify the eight conditions that are essential for creating individuals who are agents of change in school, within the community and beyond Albion. (Preference is for seniors and juniors)

MECHANICAL TECHNOLOGY

STE620

1 CREDIT

This course is designed to introduce students to the world of mechanics and how they work. In this class the students will learn the science of pneumatics, welding of metals, and small engine repair. Other topics included will be structures, electricity, plumbing and general construction.

FORENSIC SCIENCE

STE630

1 CREDIT

Forensic science is designed for those students who have an interest in crime scene investigation. Topics of study include the history and evolution of evidence processing, evidence collection, hair evidence, fingerprints, blood typing and spatter, DNA evidence, cause of death and forgery. Students will use higher-level thinking skills to piece together the written data collected to form logical conclusions about what may have occurred at a given crime scene. The course is made up of lab work, quizzes, written assignments, readings and required group work.

Business

FINANCIAL LITERACY/BUSINESS MATH

MAT420

1 CREDIT

Financial Literacy is a course in applied mathematics for business and consumer use. It is designed to increase students' skills and awareness about personal finance and investments. Personal finance topics include checking/savings accounts, stocks and bonds, mutual funds, credit, insurance, taxes, job benefits, home ownership, auto ownership, college financial, marriage and divorce, retirement and estate planning. Additionally, students will learn about business topics such as payroll, bankruptcy, depreciation, purchasing and pricing merchandise, manufacturing costs, distributing business profits and financial statements. (This course can be used as one math credit.)

Computers

CAD I

TCH320

1 CREDIT (3 GCC Credits)

This course is designed to encourage visual problem-solving using a common graphic language to describe forms in the man-made environment. To enable students to analyze, creatively design and critically evaluate these objects, the course requires research for historical precedents, cultural references and future visions. This course will also fulfill the art/music requirement. By registering with GCC, students who achieve a 70 or higher in the course can receive three college credits.

CAD II

TCH420

1 CREDIT

A continued exploration of the topics introduced in CAD I (DDP) with additional areas to be covered.
Prerequisite: CAD I (DDP).

ANIMATION

CMP300

1 CREDIT

This course will combine art and academics in an engaging learning environment while immersing students in science, math, language, arts and technology. Students will be introduced to a project focused curriculum that encourages teamwork, planning and thoughtful execution as students use visual communication tools and techniques to explore specific topics and present what they have learned. Students should have taken CAD prior to Animation. (This course will be offered during the 2017 - 2018 school year.)

CAD LANDSCAPING/ARCHITECTURE

CMP420

1 CREDIT

This course will deal with the planning, drawing, and construction of residential landscaping and residential structures. Topics covered in this class will be: horticulture, site planning, seasonal and climate planning of plants, lettering, aesthetics, floor plans, interior design, construction techniques, perspective drawing and careers. This class will offer hands-on and computer generated projects. (This course may be used as a technology or art credit. This course will be offered during the 2017-18 school year.)

COMPUTER PROGRAMMING IN PYTHON

CMP430

1 CREDIT

This course will provide a gentle, yet intense, introduction to programming using Python for highly motivated students with little or no prior experience in programming. Learning to program is not just for computer science majors; it is a powerful tool for any person involved in science, technology, engineering or mathematics. "Computer Programming in Python" is a hands-on programming boot camp that will teach you how to think like a programmer to solve interesting problems, learn basic game theory, and may eventually lead you into the amazing world of writing computer programs and games. The class will require your full attention from bell to bell every day. Access to a computer outside of school is recommended but not required.

Home and Careers

INDEPENDENT LIVING

HCS200

1 CREDIT

Here is the ideal course to help students prepare for life after high school! Regardless of the path they take, all students need the critical skills covered in this course including managing and protecting finances; applying management principles to meet individual and family wants/needs in relation to food, shelter, clothing, health care and transportation; defining a personal lifestyle and making plans for attaining it while basing decisions on interests, goals, abilities and occupational choices; analyzing the connection between the economic system and consumer decisions; developing employment skills (resume writing and interviewing) as well as using information systems and technology to meet individual and family needs.

CHILD DEVELOPMENT

HCS221

1 CREDIT

The purpose of this course is to help students recognize the many responsibilities of parenthood and to understand factors which should be considered when making a decision about entering into parenthood. All areas of growth, the pleasures and responsibilities of parenting and observation of children of all ages will be included in the course.

Technology

COMMUNICATION SYSTEMS MST

TCH100

Unga! Unga! This course introduces systems used to communicate information. From stones and drums to cell phones and jump drives. Students will gain an awareness of advertising, computer graphics and careers related to communications. We will look at impacts communications have on personal, social, environmental and economic relationships.

MODELMAKING AND PROTOTYPES MST

TCH200

1 MST CREDIT

This course studies the elements and principles of design as applied to commercial and residential products and builds a strong foundation for future technology courses. Topics to be discussed will include: the history and importance of models and prototypes; the elements and principles of design; scale drawings and applications; the selection of appropriate model-making materials, tools, and techniques. Students will produce many models and prototypes in areas such as commercial, industrial, and architectural fields. Some students may opt to use their models in future classes to actually build the real version of their design. (This course may be used as a technology or MST credit.)

WOODWORKING TECHNOLOGY

TCH230

1 CREDIT

This course teaches the practical applications of basic woodworking. Students will work with various kinds of wood and learn to use basic hand tools and machines including the band saw, drill press, belt sander and spindle sander. This class offers exposure to design, experience in assembly and finishing of many basic wood projects. Students will also be given the opportunity to design their own projects.

CAD I

TCH320

1 CREDIT (3 GCC Credits)

This course is designed to encourage visual problem-solving using a common graphic language to describe forms in the man-made environment. To enable students to analyze, creatively design and critically evaluate these objects, the course requires research for historical precedents, cultural references and future visions. This course will also fulfill the art/music requirement. By registering with GCC, students who achieve a 70 or higher in the course can receive three college credits.

CAD II

TCH420

1 CREDIT

A continued exploration of the topics introduced in CAD I (DDP) with additional areas to be covered. Prerequisite: CAD I (DDP).

ANIMATION

CMP300

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This course will combine art and academics in an engaging learning environment while immersing students in science, math, language, arts and technology. Students will be introduced to a project-focused curriculum that encourages teamwork, planning and thoughtful execution as students use visual communication tools and techniques to explore specific topics and present what they have learned. Students should have taken CAD prior to Animation. (This course will be offered during the 2017 - 2018 school year.)