



MISSION STATEMENT

Broadalbin-Perth Central School District provides a stimulating and safe environment of success for lifelong learning. Students of all ages will develop intellectually, emotionally, socially and physically through the cooperative efforts of school and community, all **STRIVING FOR EXCELLENCE**. To implement this philosophy and fulfill its mission, the District will develop annual goals and objectives.

There are many options available to students at Broadalbin-Perth High School. The following is a list of course offerings and course descriptions. Students are encouraged to read through this guide before making annual curriculum choices. Thoughtful planning will help STUDENTS make the most of the many opportunities available to THEM at Broadalbin-Perth High School.

All members of the faculty are prepared to assist students in making the choices, which are best for them. Teachers and counselors are able to clarify requirements for advanced courses or to assist in evaluating student's interests and abilities in terms of plans beyond high school. Ultimately the responsibility for these choices remains with students and their parents. Plan wisely, when in doubt, be sure to consult with a school counselor.

The choices students make throughout their high school years are not restricted to the annual selection of courses. From the variety of activities organized at Broadalbin-Perth Central School, a student should be able to find one or two which provide some challenge and purpose for him or her. Frequently these activities afford rewarding social experiences or an opportunity to pursue personal interests not easily provided for in the classroom. Page three of this guide lists the extracurricular activities currently offered.

We hope that students will discover that education cannot be confined to a limited area of study or activity. Life's experiences can be explored in many ways. Choices made now affect opportunities available in the future.

Broadalbin-Perth Graduation Requirements

(Students entering 9th grade in 2008 & thereafter)

Course and Credit Requirements

All students will need at least 22 ½ credits to graduate.

These credits must include:

- English 9, 10, 11, and 12
- World History 9
- World History 10
- U.S. History
- Participation in Government (1/2 credit)
- Economics (1/2 credit)
- 3 Math credits
- 3 Science credits
- 1 credit in Art or Music
- 1 credit in a Language other than English
 - Spanish or French
- Health (1/2 credit)
- Physical Education (1/2 credit for 4 years)

Regents Exam Requirements

Students must take and pass the following exams with a score of 65 for a Regents Diploma.

- English Comprehensive Exam (11th grade)
- Math A Exam or Algebra
- Global Studies Exam (10th grade)
- U.S. History Exam (11th grade)
- Science Exam

*Please note that students entering in the Fall of 2007 are eligible for the 55 variance on only **ONE (1)** Regents exam.

***For a **Regents Diploma with Advanced Designation**, students must complete the following additional requirements:

- Regents Math B exam or Geometry & Trigonometry
- 2nd Regents Science Exam
- Language other than English Exam (which requires 2 additional years of language study) or 5 units of credit in one of the following: Art, Music, Business or Career & Technical Education.

EXTRA-CURRICULAR ACTIVITIES

INTERSCHOLASTIC SPORTS

Broadalbin-Perth High School has a wide variety of sports teams for both boys and girls.

FALL SPORTS

Cheerleading (G): JV, V
Cross Country (B & G): JV, V
Football (B): JV, V
Golf (B&G): V
Soccer (B&G): JV, V
Volleyball (G): JV, V

WINTER SPORTS

Basketball (B&G): JV, V and Freshman (B)
Bowling (B): V
Cheerleading (G): JV, V
Indoor Track (B&G): JV, V
Wrestling (B): JV, V

SPRING SPORTS

Baseball (B): JV, V
Softball (G): JV, V
Track and Field (B&G): JV, V

(B) = Boys (G) = Girls JV = Junior Varsity V = Varsity

CO-CURRICULAR ACTIVITIES

Several different activities are available to students. Encourage your child to participate in at least one club or sport. Activities are listed below:

Media Center Club
School Store
SADD
Guitar Club
Art Club
Varsity "B" Club
Drama Club
Business Honor Society
Key Club

Student Council
Future Teachers of America
Jazz Band
National Honor Society
Odyssey of the Mind
FBLA
Mock Trial
Literary Club
Math Club

COURSE DESCRIPTIONS

ENGLISH

English 9

1 unit – 1 year – Grade 9

English 9 is designed to improve writing and speaking skills, to increase vocabulary and to develop comprehension and appreciation of various literary genres. This course is required for graduation from high school.

English 10

1 unit – 1 year – Grade 10

A full-year course English 10 is designed to emphasize and to continue improvement in writing, speaking, reading and listening. Included in the curriculum are vocabulary, various forms of writing, and public speaking. Students will read and discuss short stories, novels, plays, and poetry. This course is required for graduation from high school.

English 11

1 unit – 1 year – Grade 11

This one-year course centers on American Literature. Through diverse projects and writing assignments, students will express their understanding of works of literature and relate those works to the world we live in. Vocabulary development and increased listening skills are the focus of the course. A Regents examination is administered in January. This course is required for graduation from high school.

English 12

1 unit – 1 year – Grade 12

This course focuses on all types of literature as the basis for developing reading, writing and speaking skills necessary for college and post high school experience. All genres will be analyzed and higher order thinking skills will be stressed. A strong effort is made to relate what is studied in class to student's lives. Proper techniques of writing a research paper and a public speaking unit are also included. This course is required for graduation from high school.

FMCC- EN 104

1 unit/3 college credit hours – 1 year - Grade 12

The purpose of this course is twofold. Its first objective is to make students into better writers by working directly on writing skills-through workbook exercises and reading and essay assignments. The second objective is to make students into better thinkers by learning how to develop a thesis. Students will also read and discuss a selection of essays and articles on a variety of subjects. The ideas formulated in all of these discussions will prompt short response essays that will culminate in the research paper, to be submitted at the conclusion of the course. This course will also expose students to a wide variety of genre such as fiction,

poetry, and drama. Prerequisite grade of 88% in English 11, as well as an 85% on the Regents exam and teacher recommendation. .

Creative Writing

½ unit – ½ year – Grades 11-12

This class enables students to improve their writing skills in areas such as the narrative essay, short story, and poetry. Students will be encouraged to share their writing with the class and to offer constructive criticism of each other's writing. Emphasis will be placed on the creation of a writing portfolio.

Literacy Volunteers of America

1 unit – 1 year – or ½ unit – ½ year Grades 10-12

In this course, high school students will work daily (Monday – Thursday) with elementary students in reading. On Fridays, reading instruction is given and ideas are discussed. Students are required to do quarter projects, but the majority of the work is in class so attendance is extremely important. This is an ideal course for anyone who may be interested in a career in education. Good attendance is required to be eligible for this course.

Literacy Volunteers of America II

1 unit – 1 year – Grades 10-12

Students in this course go to the primary school daily. They work individually in a kindergarten class room. They will perform a variety of activities based on the teacher's discretion. Attendance is extremely important. Teacher's approval for admission to this course is required.

College Admissions Preparation

½ unit – ½ year Grades 11-12

This course will focus on preparing students to take the writing and math sections of the SAT and ACT examinations. Students will work on understanding the tests, test taking strategies, analogies, reading comprehension, writing fundamentals, and grammar and usage skills.

Requirements for All Honors Courses

To recognize the abilities of high achieving students, as well as maintain the integrity of the honors courses, students will need to adhere to the following requirements. Parents will be notified to discuss the removal of a student who fails to meet any of these requirements.

- 88% average each quarter
- 88% on the midterm exam
- 85% on the Regents exam
- Academic honesty
- Class participation
- All work completed by designated due date
- Responsibility for all work when absent
- Notification of any extended absence

- Teacher recommendation

English 10 Honors

1 unit – 1 year – Grade 9

English 10 Honors is a one-year advanced course designed to go beyond the scope of English 10. It is designed for serious English students who have been in advanced English since 8th grade. All of the requirements of English 10 are included in this course at a higher level of expectation. Writing, reading, and speaking are emphasized. The prerequisite of this course is a successful completion of English 9 Honors with an 88% average or better

English 11 Honors

1 unit -1 year – Grade 10

This course offers students a transition from high school level literary study in 8th and 9th grade, to the processes involved with college level study in 11th and 12th grade. Students will focus on advanced methods of understanding texts and the ability to relate those texts to a greater understanding of the world around them. Furthermore, students will begin to develop different theoretical approaches to reading. Finally, the students will work on literary response through different types of essay writing. The students will concentrate on advancing their writing skills to prepare them to become competent college writers. In January, these students will take the English Regents exam, a test that covers the New York State Learning Standards in a variety of ways. The prerequisite for this class is the successful completion of English 10 Honors with an 88 or higher average.

English 12 Honors (FMCC- EN 104)

1 unit/3 college credit hours – 1 year - Grade 11 Honors

The purpose of this course is twofold. Its first objective is to make students into better writers by working directly on writing skills-through workbook exercises and reading and essay assignments. The second objective is to make students into better thinkers by learning how to develop a thesis. Students will also read and discuss a selection of essays and articles on a variety of subjects. The ideas formulated in all of these discussions will prompt short response essays that will culminate in the research paper, to be submitted at the conclusion of the course. This course will also expose students to a wide variety of genre such as fiction, poetry, and drama. Prerequisite is a grade of 88% in English 11 Honors.

UHS ENG 121

1 unit/3 college credit hours – 1 year – Grade 12 (Honors)

Activities in English 12 UHS include close reading/discussion and explication of poems, prose passages, comprehension exercises and thematic analysis of works in all literary genres. Students will be taught the strategies/methods/approaches to in-depth analysis of classic literature as used on most major college campuses. The course can include taking the A.P. (3 hour) exam in mid-May. Pre-requisite for the class includes a recommendation from the English 11 teacher and strong

performance on the English Regents examination. Students who successfully complete this course will earn 3 college credits from the University of Albany.

SOCIAL STUDIES

Global History & Geography I– Ancient Civilization

1 unit – 1 year – Grade 9

A full-year course on the development of world civilization. The goal is to help the student understand the nature of choices and decisions made by past civilizations. Vocabulary and themes of this course provide the foundation for Global History & Geography 10 – Modern World. The four units of this course are: Unit I – Ancient World: Civilizations & Religions (4000 BC – 500 AD)

Unit II – Expanding Zones of Exchange (500 AD – 1200 AD)

Unit III – Global Interactions (1200 AD – 1650 AD)

Unit IV – The First Global Age (1450 AD – 1770 AD)

Global History & Geography II– Modern World

1 unit – 1 year – Grade 10

A full-year course designed to acquaint the student with the physical, economic, social, and political systems for the modern world. Successful completion of Global History & Geography 9 is a prerequisite to this course. The four units for this course are:

Unit V – Age of the Revolution (1750-1914)

Unit VI – Crisis and Achievements (1900-1945)

Unit VII – The Twentieth Century Since 1945 (1945 – Present)

Unit VIII – Connections and Interactions within the Modern World

A Regents exam is given at the end of the second year that covers all materials given in Global History 9 & 10. Passing this exam is a graduation requirement.

U.S. History & Government

1 unit – 1 year – Grade 11

A full-year course designed to acquaint the student with the importance of events in the growth of the United States as a nation. An effort is made to explain the relationships and underlying causes of these events. Included in this course is a detailed study of the Constitution and the basic structure of American Government. The study of current events as it relates to the continued development of the nation is also emphasized. A Regents examination will be taken at the end of the year. Passing this exam is a graduation requirement.

American History I – FMCC SS 283

½ unit/3 college credit hours – ½ year - Grade 11-12

A half-year course that examines the history of the United States from its origins until reconstruction with emphasis on the development of a constitutional system. Students will be expected to have knowledge of the basic themes and institutions that were developed during this period. These include the growth of democracy, the development of political parties, the growth of the institution of slavery and

the development of a unique American civilization. Successful completion of Global History 9 & 10 is a prerequisite and a teacher referral as necessary. There is a fee for this course determined by FMCC.

American History II - FMCC SS 284

½ unit/3 college credit hours – ½ year - Grade 11-12

This is a half year course that explores American History from 1865 until the present. The emphasis will be on social, political and economics aspects in society. Students will be expected to have knowledge of the basic themes and ideological constructs that were formed during this period, including Reconstruction, Industrial Revolution, Immigration, the Progressive Movement, the Great Depression, the Cold War and Civil Rights. Successful completion of Global History 9 & 10, American History I (FMCC) as prerequisites and a referral are necessary. There is a fee for this course determined by FMCC.

Sociology –Syracuse University Project Advance SOC 101

½ unit/3 college credit hours – ½ year – Grade 12

An introductory course giving an overview of the structure and functioning of modern society, with emphasis on major conceptual areas of sociology, such as social organization, culture, socialization, class system, social institutions and social controls. Case studies of different social groups and the socialization process will be stressed. This course is offered in conjunction with Syracuse University. Writing assignments and research will be graded in order to give a college grade through Syracuse University. Successful completion of Global History 9 & 10 and U.S. History and Government as prerequisites as well as a referral is necessary. There is a fee for this course determined by Syracuse University.

Psychology: Syracuse University Project Advance PSY 205

½ unit/3 college credit hours – ½ year – Grade 12

Psychology: Project Advance is an introductory course offered in conjunction with Syracuse University. This course will give students the opportunity to earn college credit through Syracuse. Psychology introduces students to the basic areas of study in the field of psychology including: learning, personality assessment, abnormal behavior, social psychology, and psychopathology. Course content increases student's awareness of how the science of psychology can be applied to better understand their own everyday environment. Successful completion of Global History 9 & 10 and U.S. History and Government are prerequisites and a teacher referral as necessary. There is a fee for this course determined by Syracuse University.

Participation in Government

½ unit – ½ year – Grade 12

Government and the political process are concerned with decision making in the United States and the resulting power structures. The influence of interest group politics, political parties and mass communication on our governmental

institutions is stressed as well as the importance of the individual in the political process. Successful completion of Global History 9 & 10 and U.S. History and Government is a prerequisite.

Economics

½ unit – ½ year – Grade 12

This course demonstrates the vital role that economics play in our society. Making economic decisions, both on a personal level and as a society are evaluated, as is the study of both microeconomics and macroeconomics. A basic understanding of the economic process is needed for the student to assume his or her role as an intelligent consumer. Successful completion of Global History 9 & 10 and U.S. History Government is a prerequisite.

History of Rock and Roll

½ unit-½ year Grade 11 – 12

The History of Rock and Roll will survey the social and cultural fabric of post-World War II United States through the prism of music – rock and roll music. This course will proceed chronologically and beginning with African American roots music and culminate with the technological and business aspect of music. The general purpose of this course will be to examine the place that rock and roll music has occupied in American culture. The central question is why a musical and cultural form once dismissed as a “passing fad” has been a very visible and audible part of our culture for over fifty years, despite considerable resistance. Successful completion of Global History 9 & 10 and U.S. History Government is a prerequisite.

SCIENCE

The Science program has been designed to provide opportunities, which enable all students to increase their understanding and appreciation of all the natural world in which they live and of the subject matter and methods of scientific inquiry. In our increasingly difficult scientific world, the demand for a better science background is evident. Every student must take a Physical Setting Science and Living Environment. You must also complete the lab requirements to take the Regents exam that is required for graduation. In addition a third unit of science is required for graduation.

Physical Setting: Earth Science

1 unit – 1 year- Grades 9-12

Physical Setting: Earth Science is an investigative science that allows students to learn about their surroundings with as much first hand experience as possible. This program presents a problem-solving approach to the study of Earth Science. Problem solving requires the application of logical and creative thinking to unfamiliar situations. Students are provided with the background that will lead them to question their world as well as the attitudes that will make them

responsible citizens of our planet. All labs must be completed prior to a performance exam in the spring. A Regents examination is administered at the completion of this course.

Physical Setting: Earth Science Honors

1 unit – 1 year – Grade 9

This course is designed to *challenge* students to go beyond minimum competency required by the Standards for all students. Students will access parts of the course and curriculum online in a Blackboard program. (*A computer at home with internet connection is helpful, otherwise, the students has access at school on the network.*) The breadth and depth of study are extended for honors level. Students are required to exhibit greater independence in researching skills as well as performing multifaceted labs. The goal of this class is to prepare students for the rigors encountered in upper-level science courses. A lab requirement must be met, and a Regents exam is administered at the end of this course. Students must place at a Level 4 on the 8th grade state science test, show a cumulative average for 8th grade science and math of an 88%, and be recommended by their science teacher. Students must maintain a minimum 85% average in the course.

Environmental Science

1 unit – 1 year – Grades 10-12

This course invites students to study all aspects (habitats, soil, air, water) of the environment and human activities that may have influence on this environment. The course will focus on local, state, national and world concerns regarding the environment. The course is intended to be participatory with a hands-on nature, engaging students in activities that emphasize thinking/problem-solving.

Living Environment

1 unit – 1 year – Grades 10-12

Regents Living Environment is a study of life, the chemistry of living things, the cell and representative life forms. Life functions of representative species are studied with a focus on genetics and reproduction. The course examines the interrelationships of living and non-living things. Regents Living Environment attempts to increase a student's knowledge of living things and to develop a respect and appreciation of all life. A laboratory requirement is a prerequisite for the Regents exam. The New York State Regents exam is administered upon completion of the course.

Living Environment I

1 unit – 1 year- Grades 9-12 Living Environment I is the first year of a two-year program that allows student to learn about the biology in the world around them with as much hands on experience as possible. This class gives the student the background and lab exposure necessary to prepare them to take Living Environment II for Regents Credit upon successful completion of this course. The study of life, the chemistry of living things, the cell and representative life forms are subjects examined in this class.

Living Environment II

1 unit – 1 year – Grades 9-12

Living Environment II is the second year of a two-year program that allows the student to learn about the biology in the world around them with as much experience as possible. This class is a continuation of the Living Environment I class and contingent upon successful completion of the Living Environment II class. This course requires a separate lab class. This course will prepare students to take the Living Environment Regents in June. Passing this Regents is required

Honors Living Environment

1 unit – 1 year - Grades 10-12

The Honors Living Environment program for Regents credit is designed to go beyond the scope of study of the Regents Living Environment course. The program integrates all the concepts relating to living and nonliving interactions while allowing students to expand their knowledge through investigative laboratory research. Students will be required to perform additional units of study as well as laboratory reports. The New York State Regents exam is administered upon completion of the course.

Biology-Syracuse University Project Advance (SUPA) BIO 121 & BIO 123

1 unit/8 college credit hours -1 year -Grades 11-12

SUPA Biology is a two-semester, eight-credit college course which introduces the students to modern biological concepts primarily through audio CDs, lectures, demonstrations, and laboratory work. During a session, the student may be asked to carry out an experiment, view a demonstration, interpret experimental results, make a drawing to document observations, and so on. The student is allowed to spend as much time as is needed to complete each unit satisfactorily. Self-quizzes are provided so that the student can determine whether or not he or she has sufficient grasp of the material to proceed to the next instructional unit.

Chemistry

1 unit – 1 year - Grades 11-12

This course is a challenging study of matter suitable for students who choose to continue their study of the sciences. Chemistry not only helps students discover why changes take place but allow students to investigate and understand the very nature of matter. Topics examined include Matter and Energy, Atomic Structure, Bonding, Kinetics and Equilibrium, Organics and Acids and Bases. Students must satisfactorily complete the laboratory requirement which allows students to experience topics using hands on activities. A minimum enrollment of Math III is required. A Regents exam is administered upon completion of the course.

Honors Chemistry

1 unit – 1 year Grades 11-12

The Honors Chemistry program is a course of advanced study for Regents credit that allows the student to go beyond Regents Chemistry in both laboratory and class environments. The program allows students to learn about their

surroundings through experimental hands on work, along with logical creative thinking. The goal is to provide students with the information needed to understand chemistry and to further investigate chemical reactions and processes through inquiry based laboratory study. A laboratory requirement must be met in order to receive credit for this course. Students will often be required to design their own laboratory procedure based on minimal information and write detailed laboratory reports based on their study. Math B is required as a recommendation to this course along with approval by the teacher.

Everyday Applied Physics

1 unit – 1 year – Grades 11-12

A fundamental physics course directed toward college-bound students pursuing a career in a non-science related field. Laboratory experiments are a required part of the program. Concepts and principles are presented without a heavy reliance on computation. The following areas are covered: Mechanics, Energy, Waves, Electricity and Magnetism. A local final examination is administered upon completion of the course.

Physics

1 unit – 1 year – Grades 11-12

A challenging math based course with emphasis placed on these areas: Mechanics, Energy, Electricity and Magnetism, Wave Phenomenon and Modern Physics. Laboratory experiments are a required part of the program.

Prerequisites: A successful completion of Math B and successful completion of Chemistry or Honors Chemistry and preferable enrollment in Pre-Calculus is recommended for optimum success. A Regents examination is administered upon completion of this course.

Honors Physics

1 unit – 1 year – Grade 12

An advanced study for Regents credit that goes beyond Regents Physics in both the class and laboratory environments. Students must be proficient with trigonometry and be comfortable with mathematical problem solving. The areas of study include: Mechanics, Energy, Electricity and Magnetism, Wave Phenomenon, Modern Physics. This is a mathematically intensive, high-paced course designed for serious students. Required coursework in Pre-Calculus and successful completion of Chemistry or Chemistry Honors as well as the Chemistry Regents examination. A Regents Examination is administered upon completion of the course.

Science Research SUNY Albany CAS 110 & CAS 210

(HS) 1 unit – 1 year – Grades 10-12 Prerequisite: Grade 10 85 average in Earth Science and teacher recommendation.

(College) 4 credits – Grades 11 and 12: 2 credits – summer following grade 10 and 11. Prerequisite: Successful completion of previous year and research teacher recommendation.

The Science Research course is a three year course, designed to provide students with first hand experience with the methodology of research. The course requires an individual to work independently. The student must be willing to devote the time and effort necessary to search out and study scientific information. The student must be willing to assess this information and report the findings orally and as a written report. The course is directed to those students who wish to use original research in the pursuit of excellence. Students are also required to share their research in both a public and competitive forum. The student will be compiling a portfolio of their work that is a very valuable college interview tool. A parent meeting is required in the spring, and at this time the student will receive a summer assignment that must be completed in the summer prior to the sophomore year. Up to 12 hours of college credit through the University in the High School program at University at Albany may be earned.

Forensic Science

1 unit – 1 year – Grades 10-12

This distance learning course is designed to provide the student with an overview of the methods and practices of forensic science, as well as build the scientific background needed to understand how the investigation of a crime is carried out. Students will be exposed to sophisticated laboratory techniques and encouraged to utilize a variety of electronic information searching methods. Tentative topics of course discussion include but are not limited to: crime scene analysis, significance and properties of physical evidence, toxicology, arson and explosion investigation, forensic serology, DNA evidence, fingerprinting, firearms and ballistics investigations, document and voice evidence, forensic science and internet investigation. Experimental limitations on accuracy and observation will be stressed and students will be encouraged to develop mentoring relationships with forensic professionals.

MATHEMATICS

Pre-Algebra

1 unit – 1 year – Grade 9 Prerequisite: 8th Grade math

Algebra A is the first course in the Integrated Algebra curriculum. This course introduces topics in algebra and some geometry. The course is taught with more application and guided practice. A scientific calculator is used throughout the year. A final examination will be given at the completion of this course.

Integrated Algebra

1 unit – 1 year – Grade 9 – Prerequisite: 8th grade math

The Integrated Algebra curriculum covers algebra, graphing techniques, basic geometry, probability and statistics. The primary focus is on algebra and problem solving, and includes a special emphasis on critical thinking and application of the concepts learned in new situations. A graphing calculator is permitted and used at this level. The Regents in Integrated algebra will be administered in June.

Geometry I

1 unit – 1 year – Grade 11/12 – Prerequisite: Integrated Algebra (course and Regents)

This course may fulfill the third year of the three math requirement. The course covers lines, triangles, quadrilaterals, transformations, coordinates plane, perimeter, area, and Pythagorean Theorem with an emphasis on application and guided practice. This course could be used as the first course in the new geometry sequence, leading to the Geometry Regents. A final examination will be given at the completion of this course.

Geometry

1 unit – 1 year – Grade 10/11 – Prerequisite; Integrated Algebra (course and regents) or Geometry A with teacher recommendation.

Grade 9 – Prerequisite: Integrated Algebra Honors (course and regents)

This is a single year course aimed at preparing students for the Regents exam in Geometry, although it can be taken as a secondary course to Geometry A. The curriculum includes formal logic, coordinate geometry, transformations, solid geometry, and algebra. Problem solving and critical thinking will again be enforced. A graphing calculator is permitted and used at this level. The Regents in Geometry will be administered in June.

Honors Geometry

1 unit – 1 year – Grade 10/11 – Prerequisite; Integrated Algebra (course and regents) or Geometry I with teacher recommendation.

Grade 9 – Prerequisite: Honors Integrated Algebra Honors (course and regents)

This is a single year course aimed at preparing students for the Regents exam in Geometry, although it can be taken as a secondary course to Geometry I. The curriculum includes formal logic, coordinate geometry, transformations, solid geometry, and algebra. Problem solving and critical thinking will again be enforced. A graphing calculator is permitted and used at this level. The Regents in Geometry will be administered in June.

Advanced Algebra & Trigonometry

1/2 unit – 1/2 year – Grade 12 – Prerequisite: Math B course (did *not* pass Regents)

This course is designed for seniors who passed Math B, but did not pass the Math B Regents exam in order to obtain an Advanced Regents diploma. A review of the Math B curriculum will be presented the first half of the year, with the Math B Regents exam administered in January. Advanced Algebra and Trigonometry will be presented in the last half of the year. A graphing calculator is permitted and used at this level.

Algebra II & Trigonometry

1 unit – 1 year Grade 11-12

The Algebra Trigonometry curriculum will stress the development of student's mathematical reasoning ability and develop topics which include trigonometry, advanced algebra, statistics and probability. Problem-solving and critical thinking will again be stressed. A graphing calculator is required. The Regents Algebra Trigonometry II exam will be given at the completion of this course. Prerequisite: Regents Geometry

Honors Algebra II & Trigonometry

1 unit – 1 year Grade 10/11

This course is designed for sophomores preparing to take Honors Pre-Calculus in their junior year. All topics in Algebra II and Trigonometry are covered at an advanced level, and will include some additional topics. A graphing calculator is required. The Algebra II Trigonometry Regents will be given at the completion of the course. Prerequisite: Honors Geometry

Pre-Calculus FMCC – MA 154

1 unit/4 college credits - 1 year – Grades 11-12 – Prerequisite: Algebra II and Trigonometry (pass course and regents)

This course is meant to prepare college-bound students for a first course in Calculus. The main focus will be to integrate intermediate algebra, geometry, and trigonometry with a function approach. Topics will be developed on an intuitive level as well as developing the necessary working skills for the study of more advanced mathematics. Students will use a graphing calculator throughout the course. There is a fee for this course determined by FMCC.

Honors Pre-Calculus FMCC – MA 154

1 unit/4 college credits – 1 year – Grade 11-Prerequisite: Algebra 2 and Trigonometry (course and regents) and teacher recommendation

This course is designed for juniors who have taken honors mathematics classes and are preparing to take Calculus in their senior year. The curriculum includes advanced pre-calculus topics. Application of the concepts learned will also be a primary focus. This is a course designed for serious math students. Students will use a graphing calculator throughout the course. A final examination will be administered at the completion of the course. There is a fee for this course determined by FMCC.

Calculus FMCC – MA 157

1 unit/4 college credit – 1 year – Grade 12 – Prerequisite: Honors Pre-Calculus and teacher recommendation.

A first course in calculus offered at the high school level for college-bound students. Focuses will include limit theory, derivatives and integrals, along with the application of these concepts. Students will use a graphing calculator throughout the course. A final examination will be administered at the completion of the course. There is a fee for this course determined by FMCC.

Math and Financial Applications

1 Unit- 1 Credit –Grades 11-12

This full-year course was developed to equip high school students with the knowledge and skills needed to manage their personal finances in the complex financial world in which we all live. All students, regardless of the career they choose, must have a working knowledge of the fundamentals of financial planning, and can benefit from finance instruction in their own personal affairs. This course may be used as either a business or math credit.

C++ FMCC CS 125

1 unit-1 year- Grades 11-12 – Prerequisite: Math B Regents

Computer algorithms and their representations. The principle of information hiding and it's relation to program block structure. File structure and access methods. The efficient use of computational resources. Program development and style.

TECHNICAL EDUCATION

Career and Financial Management

1 unit – 1 year – Grades 9-12

This course is designed to provide students with transferable skills essential to all occupations, and to explore various occupational areas. Students will complete a career research project, a resume' and cover letter, and a checking account project. They will learn the fundamentals of economics; of using credit wisely; starting a savings program; keeping tax records; and the fundamentals of vehicle, property, life, and health insurance. This course is beneficial and informative for all students.

Business & Personal Law

1 unit – 1 year – Grades 9-12

This full-year course is a study of the legal rights and responsibilities of adults and minors in civil and criminal actions. Emphasis placed on laws as applied to ethics, contracts, sales, court systems, employments, and personal business transactions. The concepts and skills learned will be useful in future business and personal situations.

Marketing Entertainment & Tourism

1 unit – 1 year – Grades 11-12

Think exotic destinations market themselves? Think again. In Marketing Entertainment and Tourism you will find out just how important marketing really is in the travel and entertainment industries. Sports, Entertainment and Tourism is a subject to which all students can relate. These are a few of the most exciting – and competitive – businesses in the world. Sports, travel and entertainment are everywhere – not just in ballparks and theaters, but at schools, on television and radio, in stores, and on the Internet. Marketing, Entertainment, and Tourism will

do more than teach students about these industries. It will help students develop skills to succeed in their careers. It will teach solid foundations skills such as critical-thinking and problem solving skills and key workplace competencies, such as responsibility, self-management, leadership, and integrity.

Entrepreneurship:

½ Unit- ½ year- Grades 11-12

Entrepreneurship prepares students to carry out the entrepreneurial process and experience the entrepreneurial spirit. Developing an innovative idea and writing a business plan are only the first steps of a successful business. The entrepreneurs of today and tomorrow's competitive marketplace must also understand production marketing, finance, human resources, global competition, and social, environmental, and legal issues. This course is a one-semester course that will be used in conjunction with EntreSkills, an on-line course that will teach high school students the skills needed to open and operate a successful small business.

Internship :(CEIP)

1 Unit- 1 year- Grade 12

This full-year program for selected seniors is designed for students to participate in a two period class of unpaid work-based learning in the local business community. It brings employers, the school, and the students together in a cooperative effort. Students obtain career skills by working in local government offices and private agencies such as law firms and medical offices as well as by working in department stores, daycare centers, and restaurants. Course content includes career planning, job search techniques, workplace ethics, written and oral communications, decision-making, stress management techniques, and human relations.

Computer Applications I

1/2 unit – 1/2 year – Grades 9-12

This course is designed to introduce students to the proper use of computers as a personal tool or as a supportive job skill. Concepts of computer literacy, touch-keyboarding skills, document production, proofreading skills, and communication skills will be developed. Students will use the technology they will find in the postsecondary setting and the workplace-networked PC's, word processing software (MS Word), and the Internet. Emphasis is on text entry with speed and accuracy.

Computer Applications II

1 unit – 1 year – Grades 9-12

This full-year Microsoft Office 2003 course provides students with opportunities to develop fundamental skills through the use of the Microsoft Office Suite. A step-by-step format is used to present the fundamentals of Word documents, spreadsheets with Excel, database management with Access, and presentations and publications with PowerPoint and Publisher. It provides students with a

variety of methods to present their work. Pre-requisite: Computer Applications I or permission of the instructor.

Multimedia/Adobe Photoshop

½ unit – ½ year – Grades 11-12

Adobe Photoshop is the ultimate graphics program. It does everything from creating Web graphics to tweaking photos by putting the head of your favorite actor on the body of a cartoon character. This half-year course will provide students with techniques to apply color, add type to images, use layer, create special effects with fillers, and make images ready for the Web.

Adobe Photoshop II:

1/2 Unit - 1/2 credit Grades 10-12

This course will run for the 2nd semester and it is designed for Adobe Photoshop users who want to learn more and to apply Adobe Photoshop techniques more professionally. Various projects will be used throughout the course. Students who are seeking to enter the computer graphics field will be enlightened with this course, as they continue to be more proficient in this field of study. All students will be required to put together a portfolio of their work. Some of the skills that we will cover are:

- Adjusting color
- Using clipping masks, paths and shapes
- Transforming Type
- Liquefying an Image
- Performing Image Surgery
- Annotating and Automating an image
- Creating Images for the Web

Prerequisite for this class is successful completion of Adobe Photoshop I.

HTML Web Design

½ unit – ½ year – Grades 11-12

In this Web Design course, students will learn Web page design concepts by using the programming language HTML. They will learn how to create HTML documents, add text, multimedia, create online forms, create tables and frame sets. Students will design and create their own Web site. Prerequisite: Multimedia or approval of the instructor.

C++ FMCC CS 125

1 unit-1 year- Grades 11-12 – Prerequisite: Math B Regents

Computer algorithms and their representations. The principle of information hiding and it's relation to program block structure. File structure and access methods. The efficient use of computational resources. Program development and style.

Accounting

1 unit – 1 year – Grades 10-12

This course is designed to develop competence in the application of accounting theory. Students will process transactions through the entire accounting cycle in a service and merchandising business. Students will complete four simulation projects. Accounting is a course that is required in not only many college business major programs, but also in many other major programs of study.

College Level Accounting FMCC - BU 121

1unit/4 college credit hours – 1 year – Grades 11-12

This is a college-level accounting class that is equivalent to the first half of a one-year college course introducing accounting theory. Theory of debit and credit; accounts and special journals; the accounting cycle; accounting for notes and interest, accrued items, receivables, inventories, and plant assets; and the preparation of financial statements are covered. Emphasis is on the sole proprietorship. The student receives the benefit of not having to purchase the college textbook, it is provided by our district. It is open to all students with or without previous accounting background. This is a required course for college majors in Accounting, Business Administration, Computer Information Systems, Mortuary Science, Crafts Management, and many others.

Math and Financial Applications

1 unit- 1 year –Grades 11-12

This full-year course was developed to equip high school students with the knowledge and skills needed to manage their personal finances in the complex financial world in which we all live. All students, regardless of the career they choose, must have a working knowledge of the fundamentals of financial planning, and can benefit from Finance instruction in their own personal affairs. This course may be used as either business or math credit.

FOREIGN LANGUAGE

Foreign Language is offered in French and Spanish. Foreign language study introduces students to different cultures and also helps them to understand their own language and culture in a new way. All students should complete as many years of foreign language as possible. Foreign language is often a requirement for the college bound student.

French I

1 unit- 1 year – Grades 9-12

Students in the high school may use this as an introductory course. It is also used for students who have not mastered the material taught in the French I course offered in the Middle School. This Level I course will be required to begin their journey toward mastery of reading, writing, listening and speaking the French

language. These skills will be taught by a variety of activities and techniques, such as role play and skits, hands on projects, interaction with the instructor and peers in relevant situations, instructional videos etc. This is all in preparation for the Regents examination given at the end of the 3-year sequence.

French II

1 unit – 1 year – Grades 9-12

Students who have mastered the Level I course will move into this level. The student will have shown that he/she can sustain a brief conversation, interpret written material and realia, and comprehend the spoken language. The four skills will be emphasized as in Level I but at a higher degree.

French III

1 unit – 1 year – Grades 10-12

This course introduces readings in French to instill the culture and values of the French people and their customs. More sophisticated grammatical structure is taught. The student speaks and writes in the target language with some error but to have a degree of comprehensibility to a native speaker. The four skills are still emphasized. A comprehensive Regents examination is administered at the completion of this course.

French IV FMCC- FL 241

1 unit – 1 year – Grades 11-12

This course places emphasis on French literature as well as continuing master of the four communicative skills: listening, reading, writing and speaking. Projects and computer work are also a possibility. This course may be taken through the Fulton-Montgomery Community College for three credits.

French V FMCC – FL 242

1 unit – 1 year – Grade 12

In this course, the student will continue the study of French literature as well as the four communicative skills. Opportunities for special projects and teaching once per week in the Primary School may also be available at this level. There will also be a greater emphasis placed on cross-cultural differences between the French and Americans. This course may be taken through the Fulton-Montgomery Community College for three credits.

Spanish I

1 unit – 1 year – Grades 9-12

Students in the high school may use this course as an introductory course. It is also used for students who have not mastered the material taught in the Spanish I course offered in the middle school. Spanish I involves a communicative presentation of Spanish with an emphasis on listening, reading, speaking, and writing based on relevant topics. Relevant culture is discussed. Instruction is supplemented by videos, computer programs, tapes and CD's. Continuation of this sequence may lead to Regents credit.

Spanish II

1 unit – 1 year – Grades 9-12

For students who have mastered Level I, this course will prepare students to sustain brief conversations, produce short written passages, interpret written material and understand spoken portions of the language. Understanding culture is important. There will be continued use of videos, computer programs, tapes and CD's. Together with Level III, this course reinforces and adds to the skills needed to communicate in the language as well as achieve success on the Regents exam at the end of Level III.

Spanish III

1 unit – 1 year – Grades 10-12

Students in this course continue to improve the speaking, listening, reading and writing proficiencies in Spanish, as well as cultural understanding. A comprehensive Regents exam is administered at the completion of this course.

Spanish IV SUNY Albany ASPN 103

1 unit – 1 year – Grades 11-12

This course places its emphasis on Spanish literature as well as auditory comprehension and culture. Material covered varies according to the interests and abilities of the students. Four Albany State University credits may be awarded upon completion of this course.

Spanish V SUNY Albany ASPN 104

1 unit – 1 year – Grade 12

At this level, the student continues to hone his/her skills with special attention to communication (oral and written) as well as becoming comfortable with the foreign culture. At the end of this course, the student should be able to sustain a conversation with a native speaker. Four Albany State University credits may be awarded upon completion of this course.

VISUAL AND PERFORMING ARTS

*All Visual Art electives are held on a three-year rotation and the successful completion of Studio Art is a pre-requisite.

Studio Art

1 unit – 1 year – Grades 9-12

Successful completion of Studio Art fulfills the minimum Fine Arts requirement for High School graduation. This comprehensive course is the foundation for all other Art electives. At this beginning level students will become familiar with a variety of art forms and media including: pencil, paint, clay, ink and colored pencil. They will learn the basics of color theory, two-dimensional and three-dimensional design.

Graphic Design

½ unit – ½ year or 1 unit – 1 year – Grades 10-12

Learn the History and practical application of graphic arts and 2 dimensional design. This includes investigating many sources of visual media, such as: print, book and advertising. Class work consists of creating artwork, lecture, group critique and hands on design work. Homework consists of weekly sketchbook assignments. Prerequisite is successful completion of Studio Art.

Ceramics

½ unit – ½ year or 1 unit – full-year – (2011-2012)

Pre-requisite is Studio Art. This course concentrates on the design techniques of ceramic structure and form. Historical and contemporary examples will be studied as students produce unique works of art. Students will work “hands on” in techniques such as hand building, pottery wheel, glazing and kiln firing. A sketchbook is required with weekly homework assignments.

Painting

½ unit – ½ year or 1 unit – full-year – (2011-2012)

Pre-requisite is Studio Art. This course will focus on tools, techniques and media associated with painting. Students will develop their skills in a variety of media including: acrylic, watercolor, ink and mixed media. Many different topics will be covered including: still life, cubism, realism and abstract forms of art. A sketchbook is required with weekly homework assignments.

Two Dimensional Design

½ unit – ½ year or 1 unit – full-year – (2012-2013)

Pre-requisite is Studio Art. Students will learn the basics of two-dimensional design, including: drawing, painting, and printmaking using a variety of materials. A sketchbook is required for weekly homework assignments.

Three-Dimensional Design

½ unit – ½ credit or 1 unit – full-year – (2009-2010)

Pre-requisite is Studio Art. This course will focus on the tools, techniques and media associated with 3 dimensional design. Students will develop their skills in a variety of media including: stone, plaster, clay, mixed media and found objects. Students will learn different techniques including: additive and subtractive forms, as well as low and high relief. A sketchbook is required.

Drawing

½ unit – ½ credit or 1 unit – full-year – (2009-2010)

Pre-requisite is Studio Art. This course will focus on tools, techniques and media associated with Drawing. Students will develop their skills in a variety of media including: pencil, marker, ink and mixed media. Many different topics will be covered including: still life, negative space, gesture, contour line, realism and

abstract forms of art. A sketchbook is required with weekly homework assignments.

Sculpture

½ unit – ½ credit or 1 unit – full-year – (2012-2013)

Pre-requisite is Studio Art. This course will focus on tools, techniques and media associated with Sculpture. Students will develop their skills in a variety of media including: metal, plaster, clay, mixed media and found objects. Students will learn different techniques including: additive and subtractive forms. A sketchbook is required with weekly homework assignments.

Commercial Photography

2 units – 1 year – Grade 12

This class provides a hands-on program to work in the field of visual communication including portrait, product and advertising photography. Both conventional and digital technologies will be explored in this broad program that covers a variety of key topics essential for students considering a career in photography.

Yearbook

½ unit – ½ year – Grades 9-12

Students will plan and complete the majority of the high school yearbook. You must attend a required after school sessions for eligibility. Editors and proofreaders must continue in the spring after school or during free time to complete the yearbook. Jobs include: layout, editing, copy writing, typing, proofreading, organizing and sorting material. If you are dedicated and responsible, sign up for this time demanding course.

Music 9

1 unit – 1 year – Grade 9

Music In Our Lives is the course offered for those students who do not participate in either instrumental or vocal music. In this class, students will develop a level of appreciation for the many varied forms, styles and periods in music and how music is a diverse and integral part of every culture around the world. As the course progresses, students will be able to develop beginning skills and techniques necessary to play the guitar. A listening log is a requirement for this course.

Band & Instrumental Music

½ unit – ½ year -1 unit – 1 year – Grades 9-12

A performing ensemble that meets 2 to 3 times per week during the school day. Students will receive instrumental music instruction on their instruments during the school day on a rotating basis. During lessons, the students will continue to develop their musical skills learned in elementary and middle school. Students involved have the opportunity to perform in many different organizations such as: All-County Festivals, Solo and Ensemble Festivals and an Area All-State Festival.

Concert performances are required of all band members. Entering freshman and transfer students may be required to pass an audition for placement. Marching Band is required of all members.

Concert Choir

½ unit – 1 year – Grades 10-12

A performing ensemble that meets 2 or 3 times or week during the school day. Attendance at evening and weekend performances is required of all members. Students involved have the opportunity to perform in many different organizations such as All-County Festivals, Solo and Ensemble Festivals. Students should have a desire to sing, learn to read music, learn to work with others and a commitment to enhance their musical experience. One year of Open Chorus is required.

Music Theory

1 unit – 1 year – Grades 10-12

This class stresses the step-by-step instruction in the fundamentals of reading and writing the “Language” of music. Basics such as the principles of notation and scale and chordal construction, melodic and harmonic techniques and vocabulary are developed. Students will use a keyboard to analyze, arrange and transpose music effectively. Students will be required to write and perform short pieces that they have composed.

Open Chorus

1 unit – 1 year – Grades 9-12

This course is a prerequisite of Concert Choir. Students in Open Chorus will develop vocal, choral, and sight-reading and singing skills while performing a wide variety of musical compositions. Attendance at evening and after school performances is required of all members.

Piano

1 unit - 1 year – Grades 10-12

Piano Class is an addition to the high school curriculum that offers interested students a unique opportunity to learn to play the piano or keyboard. Because they meet every day, students have built-in practice time and daily guidance from the teacher, allowing them to progress at a much faster rate than weekly, private lessons usually allow. Along with reading music, students will be learning to play by ear and to improvise. To keep a record of their progress, recordings will be made periodically.

HEALTH

Health

½ unit – ½ year – Grades 9-12

Health is a one semester required subject. The course is divided into two ten-week segments. The first ten weeks is devoted to healthy lifestyles, child development, parenting skills, emotional health and stress management. The second ten weeks will be devoted to disease prevention including AIDS education, alcohol, tobacco, drugs, and family life education.

Physical Education

½ unit per year – 4 years – Grades 9-12

The objective in physical education is to contribute to the sum total of the education process. Through a varied program of physical activities we must (a) promote physical fitness throughout life, (b) attain competency in the management of the body and physical skills, (c) emphasize safety practices, (d) motivate expression and communication, (e) promote individual and group understanding, (f) provide knowledge and appreciation of physical education activities, (g) make each individual aware of the effect of the physical activity upon the body, (h) provide opportunities for the exercise of student initiative, leadership, and responsibility, and (i) reinforce basic learning of the other areas of the total school curriculum.

CAREER EDUCATION

Auto Body Repair

3.5 units & 3.5 units – 2 years – Grades 11-12

Students repair and refinish damaged vehicles. They also learn how to calculate repair costs, establish estimates, and use high-tech welding methods. Plastic repair and painting techniques are emphasized.

Auto Technology

3.5 units & 3.5 units – 2 years – Grades 11-12

Using high-tech equipment, students learn all aspects of the automobile, as well as the service and repair industry. Students have the opportunity to become ASE (Automotive Service Excellency) certified.

Careers in Education

3.5 units & 3.5 units – 2 years – Grades 11-12

This program provides students with an opportunity to explore educational careers, including teacher assistant, teacher, guidance counselor, speech therapist, school psychologist, and school administrator through theory, mentoring and classroom observation. Four college courses are embedded in the curriculum.

Computer Information Technology & Networking

3.5 units – 1 year – Grades 11

Information technology coursework prepares students in the fundamentals of basic computer hardware construction and repair as well as software applications. This course is the foundation for the CISCO Networking Academy.

Construction Technology

3.5 units & 3.5 units – 2 years – Grades 11-12

Students learn safety, blueprint reading, site preparation, foundations, framing, brick laying, electrical wiring and plumbing. Graduates go directly to work making \$12-\$23/hr!

Cosmetology

3.5 units & 3.5 units – 2 years – Grades 11-12

This 1000-hour licensing program includes hair, skin and nails. This entry level program consists of theory and hands on practical assignments where students upon completion are eligible to receive their temporary license and take the NYS Cosmetology licensing exam.

Criminal Justice

3.5 units & 3.5 units – 2 years – Grades 11-12

Preparation for entry into the law enforcement and corrections field as police officers, supervisors, investigators, security officers and administrators is studied, as well as investigative methods, emergency response actions and special tactics.

Culinary Arts

3.5 units & 3.5 units – 2 years – Grade 11-12

Curriculum includes preparation of entrées, salads, soups, desserts, sauces and operation of a school café. Also included is banquet setup, catering, quantity food preparation and table service.

Digital Multimedia

3.5 units & 3.5 units – 2 years – Grade 11-12

Students learn photography, image editing, web authoring, animation and layout design. Also included is multimedia production, video, camera and darkroom techniques, and desktop publishing.

Environmental Conservation

3.5 units & 3.5 units – 2 years – Grades 11-12

Program includes forestry and natural resources, surveying, operation of heavy equipment and developing an understanding of environmental science issues.

Equine Science

3.5 units & 3.5 units – 2 years – Grades 11-12

Introduces students to all aspects of the equine world. Everyday care, nutrition, animal systems, breeding, equipment, and riding are included in the course.

Fire Fighting

3.5 units – 1 year – Grade 11

In the Fire Fighter program, students will explore fire science and related fields including emergency medical technology and first responder. Through a combination of academic and laboratory activities, students will explore curriculum topics including command and control, fire fighter safety and survival, rescue procedures, terrorism awareness, emergency medical services and hazardous materials.

Foundations of Food Services

3.5 & 3.5 units – 2 years – Grades 11-12

Basic, entry level skills ideal for the fast food industry, institutional settings and supermarkets are taught in this class.

Medical Assisting

3.5 & 3.5 units – 2 years – Grades 11-12

Students learn and practice a full range of activities and skills to enter the work force as an Administrative or Clinical Medical Assistant. This program allows students to practice Medical Assisting skills in a “real life” clinical setting at area health care facilities. This course lends itself well to students who wish to enter a health program after graduation.

Nurse Assisting

3.5 units – 1 year – Grade 11

Both hands-on learning and classroom instruction help students become familiar with the healthcare field.

Vehicle Repair and Maintenance

3.5 & 3.5 units – 2 years – Grades 11-12

Program offers training in the general automotive service field and related specialty areas leading to entry level employment.

New Visions/Health Careers

2 units – 1 year – Grade 12

The New Visions Program provides high school students with in-depth knowledge of the many career possibilities that exist in health care today. A student interested in the Health Careers Program must be a senior who has:

- *demonstrated interest in the health career field
- *a maturity and ability to work both independently and in teams
- *met graduation requirements up to the point they begin participation in the program
- *been recommended by a high school guidance counselor and principal
- *completed three years of math
- *completed three years of science

Academics continued:

Through successful completion of this program, students will earn 2 credits of Health Careers, 1 credit of English 12, and 1 credit of Social Studies 12.

CISCO Networking Academy

3.5 units – 1 year – Grade 12

Computer network technicians are in high demand by employers across the nation. The CISCO Networking Academy- located at FMCC- prepares the student for entry-level employment in one of the hottest growing career tracks. Some of the topics covered are: OSI model and industry standards, network topologies, IP addressing and subnet masks, basic network design, beginning router configurations, routed and routing protocols, LAN switching theory and VLAN's, Novell IPX, threaded case studies and much more. This can lead to the successful completion of the CCNA licensing exam.