* **ART**
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**COURSE NAME:** **Advanced Placement Art** **CREDIT HOURS:** 1.0

**TEXT:** NONE

**PREREQUISITE:**

* INTRODUCTION AND ADVANCED DRAWING AND PAINTING OR
* PHOTO ONE AND TWO OR
* PERMISSION OF INSTRUCTOR

**COURSE DESCRIPTION:**

* AP Studio Art [2-D Design/Drawing portfolio] is a college-level investigation of the principles and media of art making. Although it does not follow the curriculum model of any specific college course, it does require a college-level degree of creative thought, perseverance, independence, and commitment. The course is designed around a portfolio consisting of three parts as outlined below. All facets of the portfolio must be completed for course credit. The course is open to all students of junior or senior standing who have completed the preliminary course requirements or who have been given permission via portfolio review.
* It is expected upon enrollment that students will be on time and materially prepared to participate during each and every class session, and that adequate out of class time will be made available for additional work as needed. Class periods are designed for instruction and critique, they are not intended for preliminary sketchbook work or for basic materials preparation [stretching/priming of canvases; developing film, etc] These preliminary activities are the sole responsibility of the student and must be undertaken prior to class sessions.

**BUSINESS**

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**COURSE NAME:** **Accounting I** (**JBC Credit**) **CREDIT HOURS:** 1.0

**PREREQUISITE:**

* None

**COURSE DESCRIPTION:**

Accounting gives students a basic understanding of the ways in which a business uses and catalogs all of its financial information. Students learn how to prepare and analyze financial statements as well as the procedures to record the changes that affect the business financially. Specific time allotments throughout the year will be devoted to projects that put to use all of the acquired skills in the form of mini application simulations. The course synthesizes skills including analyzing financial statements based on applications of the completion of the entire accounting cycle. Peachtree automated accounting will also be used.

* English

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**COURSE NAME:** **English 9 Advanced** **CREDIT HOURS:** 1.0

**PREREQUISITE:**

1. Receive positive recommendation from English 8 teacher via checklist and signature.
2. A 92% (or higher) average for each of three quarters of English 8.
3. Must achieve mastery level (85% or higher) on Advanced ELA qualifying essay.

\*\* If a student meets two of the three prior requirements, and the general consensus is that the student is well qualified for Advanced ELA, the following may replace one of the above.

1. A score of 4 on the New York State ELA 8 exam.

**COURSE DESCRIPTION:**

This course will focus on reading a variety of cross-cultural novels, with an in depth look at the historical background of each. We will also incorporate a variety of writing genres to enhance student writing and grammatical skills.

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**COURSE NAME:** **English 10 Advanced** **CREDIT HOURS:** 1.0

**PREREQUISITE:**

* Successful completion of English 9 Advanced

**or**

* Receive positive recommendation from English 9 teacher via checklist and signature.

**and**

* A 92% (or higher) average for English 9.

**and**

* All students entering English 10 Advanced must complete summer reading/writing assignments.

**COURSE DESCRIPTION:**

* Students will complete the given New York State Standards for English Language Arts through reading and responding to a variety of literary genres, using various writing strategies, and engaging in appropriate grammar and vocabulary activities.

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**COURSE NAME: English 11 ADV CREDIT HOURS:**

**College Composition I (1510)** 1 High School

***College Composition II (1530)*** 3 College

***American Literature*** 3 College

**PREREQUISITES:**

* 10th Grade Advanced English
* Placement score: Accuplacer Writeplacer tested prior to March 2009 7-9, tested during and after March 2009 4-6; Accuplacer reading 70+.
* Students in grade 10 English may qualify to move into Advanced 11 English by achieving each of the following criteria:
  + Receive a positive recommendation from current English grade level teacher via checklist and signature.
  + A grade of 92% or above for each quarter of the most recent English class.
  + A grade of 92% or higher on the English Final Exam for the most recent English class.

\*\*\* All students entering Advanced English must complete summer reading assignments.

**COURSE DESCRIPTION:**

This course is intended to bring forth much thought, exploration and analysis of writing about a myriad of controversial political and social issues existing in today’s world; subsequently, extensive verbal and written response will be generated both in and out of the classroom. Particular emphasis will be placed on the art of persuasion.

In addition, students will learn about American Literature through novels and poetry ranging from classics about Puritan society to best-sellers about life in contemporary America.

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**COURSE NAME:** **CREDIT HOURS:**

**English 12** 1 High School

**AP English Literature and Composition** College Board and College determined

**JCC English 1540: Writing about Literature** 3 hours

**PREREQUISITE:**

English 11 Advanced, or alternate English 11 criteria set forth for entry into AP (maintain 92 averages each quarter in English 11, score 92 on Regents, recommendation from teacher.)

**COURSE DESCRIPTION:**

(Adapted from the AP English Literature and Composition Course Description on collegeboard.com)

This is a college level course and students are expected to take the AP English Literature and Composition exam.

Students will consider a work’s literary artistry, and reflect on the social cultural and historical values it reflects and embodies. Students will learn to discover multiple meanings in literature by active close reading and taking time to understand a work’s complexity, to absorb its richness of meaning, to analyze how that meaning is embodied in literary form. Careful attention will be paid to a work’s textual detail and historical context provides a foundation for interpretation, whichever critical perspectives are brought to bear on the literature studies. Different types of literary criticism will be explored in this context.

This is a writing intensive course. Writing instruction will focus on development of ideas in clear, coherent and persuasive language. Structure, style and organization will be emphasized.

Students will interact with text in a variety of ways, beginning with active reading. Students will learn how to be aware of and attentive to a work’s structure, style and themes, and various techniques (such as figurative language, character, imagery, symbolism and tone) that are used in writing to evoke emotional response in the reader.

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**COURSE NAME: Credit Hours:**  0.5

**PUBLIC SPEAKING**                                          **Comm 1610Public Speaking (3)**

**PREREQUISITE:** Although not a requirement, students will benefit most from this course as juniors and seniors. Students must also have met the JCC placemen test requirements in order to receive college credit. Accuplacer – writing 4+ & Reading 80+

**Text: A Pocket guide to Public Speaking** Dan O’Hair, Hannah Rubenstein, and Rob Stewart

**COURSE DESCRIPTION:** Students will listen to, prepare, write, video tape, and present speeches from the following genres:

Impromptu Eulogy

Informative Interview

Persuasive Dedication

Demonstrative Media driven

Oral reading (with focus on inflection)

Occasional speeches (wedding, graduation toasts)

**LOTE**



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**COURSE NAME:** **Spanish 4 (JCC Credit)** **CREDIT HOURS:** 1.0

**PREREQUISITE:**

* Successful completion of Spanish Levels 1, 2, & 3

**COURSE DESCRIPTION:**

This course will provide a variety of learning experiences and opportunities to assist students to use Spanish for communication, through the use of the four basic skills (listening, speaking, reading, and writing).

This course will provide exposure to cultural experiences throughout Spanish-speaking countries. It will provide interpretation of new cultural information or contrast that information with practices and values in common culture of the classroom. The close relationship between culture and language will be encouraged.

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**COURSE NAME:** **Spanish 5 (JCC Credit)** **CREDIT HOURS:** 1.0

**PREREQUISITE:**

* Successful completion of Spanish Levels 1, 2, 3, & 4

**COURSE DESCRIPTION:**

This course will provide a variety of learning experiences and opportunities to assist students to use Spanish for communication, through the use of the four basic skills (listening, speaking, reading, and writing).

This course will provide exposure to cultural experiences throughout Spanish-speaking countries. It will provide interpretation of new cultural information or contrast that information with practices and values in common culture of the classroom. The close relationship between culture and language will be encouraged.

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**COURSE NAME:** **French 4 JCC** **CREDIT HOURS:** 1.0

**PREREQUISITE:**

Students must have successfully complete High school level 3 French, New York State Regents Comprehensive Exam in French, JCC Placement Test

**COURSE DESCRIPTION:**

This course is designed for the high school students who wish to study college level French. The purpose of the course is to ameliorate the students’ language ability by reinforcing the four major skills of listening, speaking, reading and writing in the target language. There is an emphasis on vocabulary and grammar acquisition. Students will interact with authentic materials such as short films, recorded music, articles, poetry, literature excerpts, music, cultural and computer activities. A vital goal is to develop students’ ability to communicate orally.

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**COURSE NAME:** **French 5 JCC** **CREDIT HOURS:** 1.0

**PREREQUISITE:**

Students must have successfully complete High school level 3 French, New York State Regents Comprehensive Exam in French, JCC Placement Test, JCC Fre2510

**COURSE DESCRIPTION:**

This course is designed for the high school students who wish to study college level French. The purpose of the course is to ameliorate the students’ language ability by reinforcing the four major skills of listening, speaking, reading and writing in the target language. There is an emphasis on vocabulary and grammar acquisition. Students will interact with authentic materials such as short films, recorded music, articles, poetry, literature excerpts, music, cultural and computer activities. A vital goal is to develop students’ ability to communicate orally.

**MATH**

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**COURSE NAME:** **Advanced Geometry** **CREDIT HOURS:** 1

**PREREQUISITE:**

* Integrated Algebra Advanced
* Students shall maintain at least 88% average in Integrated Algebra Advanced and 85% on Integrated Algebra Regents
* Students may enter with teacher recommendation and at least 92% average in Integrated Algebra and 85% Integrated Algebra Regents.

**COURSE DESCRIPTION:**

* Taken from the NYSED website:
  + Geometry is intended to be the second course in mathematics for high school students.  There is no other school mathematics course that offers students the opportunity to act as mathematicians.  Within this course, students will have the opportunity to make conjectures about geometric situations and prove in a variety of ways, both formal and informal, that their conclusion follows logically from their hypothesis.  This course is meant to employ an integrated approach to the study of geometric relationships.  Integrating synthetic, transformational, and coordinate approaches to geometry, students will justify geometric relationships and properties of geometric figures.  Congruence and similarity of triangles will be established using appropriate theorems.  Transformations including rotations, reflections, translations, and glide reflections and coordinate geometry will be used to establish and verify geometric relationships.  A major emphasis of this course is to allow students to investigate geometric situations.  Properties of triangles, quadrilaterals, and circles should receive particular attention.  It is intended that students will use the traditional tools of compass and straightedge as well as dynamic geometry software that models these tools more efficiently and accurately, to assist in these investigations.  Geometry is meant to lead students to an understanding that reasoning and proof are fundamental aspects of mathematics and something that sets it apart from the other sciences.

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**COURSE NAME:** **Advanced Algebra 2/Trigonometry** **CREDIT HOURS:** 1

**PREREQUISITE:**

* Integrated Algebra Advanced
* Geometry Advanced
* Students shall maintain at or above an 88% course averages for Integrated Algebra Advanced and Geometry Advanced and 85% on both Regents exams.
* Students may also enter the class via teacher recommendation and at least 92% course averages in Integrated Algebra and Geometry plus 85% on both Regents exams.

**COURSE DESCRIPTION:**

* The purpose of this course is to prepare the students for the Algebra 2 Trigonometry Regents Exam. Passing this exam is a requirement for an Advanced Regents Diploma.
* This course is an extension of Integrated Algebra and Geometry.
* Further developing skills with the Graphing Calculator.

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**COURSE NAME:** **Pre-Calculus and Advanced Pre-Calculus** **CREDIT HOURS:** 1.0

**PREREQUISITE:**

* Integrated Algebra
* Geometry
* Algebra 2 Trigonometry

**COURSE DESCRIPTION:**

* Purpose is to prepare students for Calculus I, Statistics, or equivalent college level mathematics course
* Further develop skills with Graphing Calculator
* Extension of the three previous math courses.
* Introduction to Calculus

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**COURSE NAME:** **Elementary Statistics** **CREDIT HOURS:**

1.0 for SW

3.0 for JCC credit

**PREREQUISITE:**

* 2 years HS algebra/geometry
* Accuplacer Algebra score greater than 76
* Accuplacer Reading score of 80+

**COURSE DESCRIPTION:**

* From Jamestown Community College:
  + Students will investigate various topics in both descriptive and inferential statistics including measures of central tendency and spread, graphical analysis of data, probability, random sampling, correlation and regression, hypothesis testing and confidence intervals. Practical applications are emphasized throughout the course.

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**COURSE NAME:** **AP Calculus** **CREDIT HOURS:** 1.0

**PREREQUISITE:**

* Pre-Calculus

**COURSE DESCRIPTION:**

* This course is an AP level mathematics course for seniors. Topics to be studied include: elementary functions, limits, derivatives and their applications; anti-derivatives and their applications; techniques of integration; and the integral and its applications. The use of a graphing calculator is required. In May, the AP student is expected to take the Calculus (AB) Advanced Placement Test. TI-83+, TI-86 and TI-89 graphing calculators will be used to solve problems.

Science

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**COURSE NAME:** **AP Biology** **CREDIT HOURS:** 1.0

**PREREQUISITE:**

* Regents Living Environment / Regents Chemistry
* Summer assignment

**COURSE DESCRIPTION:**

* + The AP Biology course is designed to be the equivalent of a two semester college introductory biology course usually taken by biology majors during their first year of college. AP Biology includes topics covered in a college biology course for majors. This course in biology differs significantly from the usual first high school course in Regents Living Environment with respect to the textbook used, the range and depth of topics covered, the laboratory work done by the students, and the time and effort required of the students. The textbooks used and labs performed must be equivalent to those done by college students.
* All students enrolled in the course are required to take the Advanced Placement Exam. Participating colleges may honor examination grades and grant credit. There is a fee to take the exam; however, students may have the test fee waived provided they provide community service in the form of tutoring.

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**COURSE NAME:** **Advanced Placement (AP) Chemistry** **CREDIT HOURS:** 1.0

**PREREQUISITE:**

* Successful completion of Regents Chemistry, 2nd year Algebra, Successful completion of Regents Physics recommended.

**COURSE DESCRIPTION:**

* AP Chemistry is a rigorous year-round course with learning experiences equivalent to a one-year general chemistry college course. Students will investigate fundamental concepts of chemistry from a theoretical perspective with an emphasis on problem solving. It involves chemical calculations and mathematical applications of principles. Students will learn facts, formulas and principles outlined in the College Board AP Chemistry syllabus.
* AP Chemistry includes a laboratory portion comparable to a college-level chemistry laboratory course. The class will complete a series of College Board recommended laboratory exercises. Through these exercises, students will attain and demonstrate qualitative and quantitative skills by applying concepts learned in class.
* Students will take the AP Chemistry Examination administered in May. After the AP exam, remaining class time will be utilized in completing special projects or case studies, at the instructor’s discretion. Additional topics will be presented as time permits. The course emphasizes the development of critical thinking and problem solving skills applicable to making informed decisions in everyday life.
* All students enrolled in the course are required to take the Advanced Placement Exam. Participating colleges may honor examination grades and grant credit. There is a fee to take the exam; however, students may have the test fee waived provided they provide community service in the form of tutoring.

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**COURSE NAME:** **Advanced Placement Physics B** **CREDIT HOURS:** 1.0

**PREREQUISITE:**

* Algebra 2, Regents Physics

**COURSE DESCRIPTION:**

* The Physics B course includes topics in both classical and modern physics. Knowledge of algebra and basic trigonometry is required for the course; the basic ideas of calculus may be introduced in connection with physical concepts, such as acceleration and work. Understanding of the basic principles involved and the ability to apply these principles in the solution of problems should be the major goals of the course. Consequently, the course should foster the development of critical thinking skills.
* The Physics B course should also include a hands-on laboratory component comparable to introductory college-level physics laboratories, with a minimum of 12 student-conducted laboratory investigations representing a variety of topics covered in the course. Each student should complete a lab notebook or portfolio of lab reports.
* All students enrolled in the course are required to take the Advanced Placement Exam. Participating colleges may honor examination grades and grant credit. There is a fee to take the exam; however, students may have the test fee waived provided they provide community service in the form of tutoring.

**Social Studies**

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**COURSE NAME:** **Advanced Global Studies I** **CREDIT HOURS:** 1.0

**PREREQUISITE:**

* + 4 out of 6 of the following: 92% 8th grade Social Studies final average,

95% 8th grade Social Studies final exam score, 8th grade Social Studies NYS

Assessment score of a 4, 90% 8th grade English final average, between 8th and 9th grades, a minimum score of a 5 on a required essay produced after school and administered by an English teacher, recommendation of 8th grade Social Studies teacher (accountability, perseverance, work ethic)

**COURSE DESCRIPTION:** This course is a basic survey of world history and geography from pre-history to about late 1700s AD

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**COURSE NAME:** **Global II Advanced** **CREDIT HOURS:** 1.0

**PREREQUISITE:**

* + 4 out of 5 of the following: 90% yearly average in Advanced Global I or

95% yearly average in Global I, 90% yearly average for 9th grade English, 90% final exam score for Adv. Global I or 95% final exam score for Global I, 9th grade teacher recommendation (perseverance, accountability, work ethic),

**COURSE DESCRIPTION:**

* Global II Advanced is the second year of the two year comprehensive 9th and 10th grade Global History and Geography requirement.
* Global II Advanced students are expected to achieve a higher degree of analysis of relevant topics to the course.
* Global II Advanced covers the time period 1789 (French Revolution) through most recent historical developments.
* Whenever appropriate, an infusion of current events are discussed to bring relevance to course content
* Global II Advanced includes an in-depth examination and analysis of historical trends and events.

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**COURSE NAME:** **AP U.S. History** **CREDIT HOURS:** 1.0

**PREREQUISITE:**

* + 90% yearly average for Advanced Global II or 95% yearly average for

Global II, 95% score on Global Regents exam, teacher recommendation (work

Ethic, perseverance, accountability,) 90% yearly average for 10th grade English

**COURSE DESCRIPTION:**

* A COLLEGE LEVEL SURVEY OF UNITED STATES HISTORY.
* PREPARATION FOR NYS 11TH GRADE REGENTS EXAM
* A COURSE THAT REQUIRES DAILY READING AND WRITING, AS WELL AS CLASS INVOLVEMENT FROM EVERY STUDENT.
* AN OPPRTUNITY TO EARN UP TO 6 HOURS COLLEGE CREDIT THROUGH SUCCESSFUL COMPLETION OF THE CEEB ADVANCED PLACEMENT IN UNITED STATES HISTORY EXAM IN MAY.

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**COURSE NAME**: **AP Government** **CREDIT HOURS:** 1.0

**PREREQUISITE:**

* + 4 of 5 of the following: a score of (3) on the AP US History exam, a

score of 95% on the US Regents exam, 90% yearly average for AP US or 95% yearly average for Regents US History, teacher recommendation (work ethic, perseverance, accountability,) 90% yearly average for 11th grade English

**COURSE DESCRIPTION:**

* The AP Government & Politics: United States course provides an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality.
* Students are required to take the Advanced Placement Exam.    Participating colleges may honor examination grades and grant credit.  There is an examination fee.  Students may have the test fee waived provided they provide community service in the form of tutoring.

TECHNOLOGY



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**COURSE NAME**: **CADD (in combination with DDP)**

**3 JCC Credit Hours**

**PREREQUISITE:**

Drawing and Design or Technical Drawing **CREDIT HOURS:**

Accuplacer Reading score of 70+ 0.5 for SW

3.0 for JCC credit

**COURSE DESCRIPTION:**

* This course provides students with an opportunity to use prior drafting knowledge to perform drafting on the computer using the program Auto CADD. The drafting problems will be similar to those experienced in Drawing and Design so that students can see first-hand the pros and cons from traditional board work to CADD. In addition students will see how CADD is used almost exclusively in industry, allowing the drafter to work more quickly and accurately.

**COURSE NAME: DRAWING AND DESIGN** **CREDIT HOURS:**

1. for SW

* **Course Description:** The class emphasizes critical thinking, creative problem solving and decision making processes paralleling the way industry, engineering and architectural firms solve problems and communicate the solutions. Students will be required to learn technical drawing techniques, basic skills and correct use of drafting equipment. The students will learn to examine past solutions and will experience design techniques in individual and team situations and become involved in evaluating both personal works and work by others.