

**ENGLISH**

<b>Course No.</b>	<b>Course Title</b>	<b>Grade</b>	<b>Sem.</b>	<b>Level</b>	<b>Credits</b>
100	English 9 - Composition	9	Y	2	1
101	English I - Composition	9	Y	1	1
102	English 9, Honors - Composition	9	Y	3	1
103/113 /123	English Functions	9-11	Y	1	1
110	English 10 - Literature	10	Y	2	1
111	English II - Literature	10	Y	1	1
112	English 10, Honors - Literature	10	Y	3	1
120	Classic Literature	11-12	S	2	.5
121	Contemporary Literature	11-12	S	2	.5
124	Short Story	11-12	S	2	.5
125	Drama	11-12	S	2	.5
126	Debate	11-12	S	2	.5
127	English Literature Prep	11	Fall S	1	.5
128	Short Story Foundations	11-12	S	1	.5
129	Drama Foundations	11-12	S	1	.5
130	College Writing	11-12	S	2	.5
131	Research Writing	11-12	S	2	.5
133	Creative Writing	11-12	S	2	.5
134	Literature and Film	11-12	S	2	.5
135	Literature and Film Foundations	11-12	S	1	.5
120	English 11	11	Y	2	1
121	English III	11	Y	1	1
122	AP English Language and Composition	11-12	Y	AP	1
130	English 12	12	Y	2	1
131	English IV	12	Y	1	1
132	AP English Literature and Composition	11-12	Y	AP	1
140	Television Production I (elective)	10-12	S	2	.5
141	Television Production II (elective)	11-12	Y	2	1
142	Communication/Speech (elective)	11-12	S	2	.5
143	Television Productions III (elective)	12	Y	2	1
146	College Writing (elective)	11-12	S	2	.5
180	Yearbook/Newspaper (elective)	10-12	S	2	.5
193-199	Reading	9-12	Y	1	1

### **100 English 9 - Composition**

REQUIRED SUMMER READING: *I'll Always Write Back: How One Letter Changed Two Lives* by Martin Ganda and Caitlin Alifirenka

PREREQUISITE: Students must have the following:

- Successful completion of English 8.

### **101 English I - Composition**

REQUIRED SUMMER READING: *I'll Always Write Back: How One Letter Changed Two Lives* by Martin Ganda and Caitlin Alifirenka

PREREQUISITE: Student must have the following:

- Composite score of Basic or Below Basic on PSSA Reading (7th and/or 8th grade).
- Or**
- Teacher recommendation.

### **102 English 9, Honors - Composition**

REQUIRED SUMMER READING: *I'll Always Write Back: How One Letter Changed Two Lives* by Martin Ganda and Caitlin Alifirenka, *A Tale of Two Cities* by Charles Dickens, and *A Midsummer Night's Dream* by William Shakespeare

PREREQUISITE: Student must have the following:

- A final grade of a "B" or higher in English Advanced 8 **Or** an "A" in English 8.
  - Composite score of Proficient or Advanced on PSSA Reading (7th and/or 8th grade).
- Or**
- Teacher recommendation.

### **110 English 10 - Literature**

~~The culminating assessment for this class is the Keystone Exam for Algebra I.~~

PREREQUISITE: Student must have the following:

- Successful completion of English 9.

### **111 English II - Literature**

PREREQUISITE: Student must have the following:

- Composite score of Basic or Below Basic on PSSA Reading (8th grade).
- Or**
- Teacher recommendation.

### **112 English 10, Honors - Literature**

*The Boy Who Dared* by Susan Campbell Bartoletti, and *The Last Lecture* by Randy Pausch

PREREQUISITE: Student must have the following:

- A final grade of a "B" or higher in English 9 Honors **Or** an "A" in English 9.
  - Composite score of Proficient or Advanced on PSSA Reading (8th grade)
- Or**

- Teacher recommendation.

### **120 English 11**

Grade 11  
(Year)

Level 2

1 Credit

This course of study has been developed as a two-semester required English course in American literature on the eleventh grade level. Through the study of American literature, both fiction and non-fiction, students will be able to analyze and interpret literary devices and structures to understand author's purpose. Students will read American works, including novels, short stories, poetry, essays, articles, and drama. Students in this course will become proficient in reading and analytical strategies necessary for academic and personal success. In addition, students will demonstrate their understanding of literature through varied composition styles.

REQUIRED SUMMER READING: *Into Thin Air and The Glass Castle*

PREREQUISITE: English 10 or English II

### **121 English III**

Grade 11  
(Year)

Level 1

1 Credit

This supported program is intended for students who have experienced academic difficulties with their English program. Through the study of American literature, both fiction and non-fiction, students will be able to analyze and interpret literary devices and structures to understand author's purpose. Students will read early American through contemporary works, including novels, short stories, poetry, essays, articles, and drama. Students in this course will become proficient in reading and analytical strategies necessary for academic and personal success. In addition, students will demonstrate their understanding Of Mice and Men.

REQUIRED SUMMER READING: *Of Mice and Men*

PREREQUISITE: English 10 or English II

### **11th & 12th Grade Courses**

#### **122 AP English Language and Composition**

\*Each AP course is equivalent to one Literature and one Writing course

*Separate Peace* by John Knowles

PREREQUISITE: Student must have all of the following:

- A final grade of a "B" or higher in English 10 Honors; "A" in English 10; "B" or higher in AP Literature Composition.
  - Composite score of Proficient or Advanced on Keystone Literature.
- Or
- Teacher recommendation.

### **130 English 12**

Grade 12  
(Year)

Level 2

1 Credit

Students study British literature from the Anglo-Saxon period to the present time. Students will also read a 19th century novel and one modern novel. Several written papers may be required (expository, persuasive, and narrative) at the teacher's discretion.

COURSE REQUIREMENTS: State-approved graduation project

REQUIRED SUMMER READING: *Tuesdays with Morrie*

PREREQUISITE: English 11 or English III

### **131 English IV**

Grade 12

Level 1

1 Credit

(Year)

This supported program is intended for students who have experienced academic difficulties with their English program. Students study British literature from the Anglo-Saxon period to the present time. Students will also read a 19th-century novel and one modern novel. Several written papers may be required (expository, persuasive, and narrative) at the teacher's discretion.

COURSE REQUIREMENTS: State-approved graduation project

REQUIRED SUMMER READING: *Tuesdays With Morrie*

PREREQUISITE: English 11 or English III

### **132 AP English Literature and Composition**

and are interested in earning A.P. credit through taking the English Literature and Composition Exam

COURSE REQUIREMENTS: State-approved graduation project (research paper and presentation)

\*Each AP course is equivalent to one Literature and one Writing course

*The Metamorphosis* by Franz Kafka

PREREQUISITE: Student must have all of the following:

- A final grade of a "B" or higher in English 10 Honors; "A" in English 10; "B" or higher in AP Language and Composition.
  - Composite score of Proficient or Advanced on Keystone Literature.
- Or
- Teacher recommendation.

### **Literature Courses**

\*Student must complete 4 semester courses in English, one of which must be a writing course

### **120 Classic Literature**

Grade 11-12

Level 2

.5 Credit (Semester)

Students will explore, interpret, and critically analyze various representative works of classic literature. In addition to thoroughly analyzing the literary devices found in these pieces, students will develop their ability to respond personally to literature through discussion and writing, while refining their research skills and developing their ability to explore literature and its meaning. Students will study the foundational works in a variety of genres in both British and American literature. These works lead to a better understanding of important cultural, social and historic events and movements that influenced the development of modern ideals and literature. The universal themes of these works create an understanding of the personal responses of writers to the developments of their times, while providing a challenging forum to discuss and write about important issues that humanity consistently faces including identity/conformity, social class conflict, changing values, discrimination/persecution and



such as comprehension and reading skills, reading critically and independently, and interpretation and analysis of fiction and nonfiction. At the conclusion of the course, students will take the Winter/Spring Keystone Literature Exam as developed by the Pennsylvania Department of Education. Students must pass the Keystone Literature Exam in order to meet Pennsylvania State Requirements for graduation. Any student who does not meet Proficiency on the Keystone Literature Exam by the end of junior year will be required to complete the Keystone Portfolio Project during his or her senior year, as set forth by the state of Pennsylvania.

**PREREQUISITE:** Student must have the following:

- Composite score of Basic or Below Basic on Keystone Literature exam.

### **128 Short Story Foundations**

Grade 11-12

Level 1

.5 Credit

(Semester)

In study, the short story offers the same challenges and builds the same core skills as a novel-based fiction unit, but the inherently short nature of the genre will allow students to encounter many more literary works and authors than normally possible in a literature course. The elective includes both classic and contemporary short fiction and nonfiction pieces from a variety of American and world authors. Here, students will examine the major literary elements of the short story genre, such as plot, theme, point of view, character, setting, symbol, irony, and many others.

**PREREQUISITE:** Student must have the following:

- Composite score of Basic or Below Basic on PSSA Reading (8th grade) and/or Keystone Literature exam.

**Or**

- Teacher recommendation.

### **129 Drama Foundations**

Grade 11-12

Level 1

.5 Credit (Semester)

This course is an opportunity for students to not only study drama, but also to create and perform their own pieces of drama. Students in this course are encouraged to develop their observation skills, self-confidence, imagination, concentration, and creativity. Throughout the semester, students will analyze and respond critically to theater history, playwriting, set and costume design and production.

**PREREQUISITE:** Student must have the following:

- Composite score of Basic or Below Basic on PSSA Reading (8th grade) and/or Keystone Literature exam.

**Or**

- Teacher recommendation.

### **Writing Courses**

**\*Student must complete 4 semester courses in English, one of which must be a writing course**

### **130 College Writing**

Grade 11-12

Level 2

.5 Credit (Semester)

This course is designed for college-bound students who would like to improve their writing, researching, and creativity in preparation for the rigors of writing for college courses. In this semester course, students will be introduced to various types of writing that they might be assigned in various college courses. Writing will be approached as a process, focusing not just on the end product, but also on the steps taken in order to produce a final piece.

### **131 Research Writing**

Grade 11-12

Level 2

.5 Credit (Semester)

In this writing course, students will prepare for the rigor of college-level research. While basic research and writing skills are prerequisites, this course will foster mastery through a variety of research-based projects that require topic selection, research, media literacy, accurate citation, editing, and publishing. Here, students will recognize the significance of research as an important communication tool while exploring best practices, such as understanding and avoiding plagiarism, comprehension and application of various citation styles, and much more.

### **133 Creative Writing**

Grade 11-12

Level 2

.5 Credit (Semester)

Creative writing is an opportunity for students to develop their creativity while exploring various modes of creative expression, including the short story, drama, and poetry. As a result, students will recognize that, while creative writing allows for a great deal of freedom, it also requires great discipline and focus.

### **134 Literature and Film**

Grade 11-12

Level 2

.5 Credit (Semester)

This writing course focuses on analyzing literature and critiquing elements of film. Students will examine film by comparing and contrasting it to its literary counterpart. Students will discuss and write about the films and literature in terms literary analysis: character, mood, plot, purpose, setting, theme, tone, and other related devices. This analytical approach to reading, viewing, and writing will feature a variety of films and literature.

### **135 Literature and Film Foundations**

Grade 11-12

Level 1

.5 Credit (Semester)

This writing course focuses on analyzing literature and critiquing elements of film. Students will examine film by comparing and contrasting it to its literary counterpart. Also, students will discuss and write about the films and literature in terms literary analysis: character, mood, plot, purpose, setting, theme, tone, and other related devices. This analytical approach to reading, viewing, and writing will feature a variety of films and literature.

**PREREQUISITE:** Student must have the following:

- Composite score of Basic or Below Basic on PSSA Reading (8th grade) and/or Keystone Literature exam.
- Or**
- Teacher recommendation.

## **English Electives**

### **140 Television Productions I (Elective Offering)**

Working in groups is a requirement for completion of the projects.

### **142 Speech (Elective Offering)**

Students have the opportunity to apply for up to 3 credits at La Roche College upon completion of this course.

PREREQUISITE: Student must have the following:

- Successful completion of English 10.
- Teacher recommendation.

### **143 Television Productions III (Elective Offering)**

The series will be shown on Verizon Fios and Comcast. Students will also facilitate and manage media for the local cable station.

Student must have the following:

- Television Productions II

### **146 College Writing (Elective Offering)**

Grade 11-12

Level 2

.5

Credit Sem:

This course is designed for college-bound students who would like to improve their composition skills. Students will be introduced to a variety of types of writing that might be assigned in a college freshman introductory composition course. The writing process is emphasized and utilized for each piece that students write.

PREREQUISITE: Student must have the following:

- Successful completion of English 10.
- Teacher recommendation.

### **180 Yearbook (Elective Offering)**

Level 2

.5 Credits (4/6 days year)

The course will teach the basic skills needed to produce the Criterion Yearbook. Students will acquire and hone skills in layout, design, interviewing, writing, editing, photography, business management, and marketing. Students will learn and use Josten's Yearbook Avenue computer program. This course will emphasize the concept of a yearbook as a journalistic product with a theme-led structure, a reference tool, and a permanent record of the school year. Students'



graded assignments will require them to attend activities outside of the school day for which students must provide their own transportation.

**PREREQUISITE:** Student must have the following:

- Completed Application.
- Teacher recommendation from his/her English teacher.

## SOCIAL STUDIES

Course No.	Course Title	Grade	Sem.	Level	Credits
200	Modern American History	10	Y	2	1
201	Modern American History Foundations	10	Y	1	1
202	Civics Foundations	9	Y	1	1
203	Civics	9	Y	2	1
204	Honors Civics	9	Y	3	1
205	Advanced Placement American History	10	Y	AP	1
206	World Cultures	11	Y	2	1
207	World Cultures Foundations	11	Y	1	1
208	Advanced Placement European History	11-12	Y	AP	1
209	Economics/Law	12	Y	2	1
210	Economics/Law Foundations	12	Y	1	1
211	World Geography	12	Y	2	1
212	Sociology	12	Y	2	1
213	AP Government/Comparative Government	12	Y	AP	1
216	AP Psychology (elective)	10-12	Y	AP	1

### **200 Modern American History**

**PREREQUISITES:** Civics or Civics Foundations

### **201 Modern American History Foundations**

**PREREQUISITE:** Civics or Civics Foundations

**RECOMMENDATION:** D or below prior year and/or below basic level on standardized tests scores, and/or teacher/guidance recommendation.

### **202 Civics Foundations**

**PREREQUISITE:** Early American History

**RECOMMENDATION:** D or below prior year and/or below basic level on standardized tests scores, and/or teacher/guidance recommendation.

### **204 Honors Civics**

**RECOMMENDATION:** Teacher Recommendation

### **205 Advanced Placement American History**

**PREREQUISITE:** Civics or Honors Civics

**RECOMMENDATION:** “A” in Civics or Honors Civics and/or teacher recommendation

## **206 World Cultures**

**PREREQUISITE:** Modern American History or Modern American History Foundations

## **207 World Cultures Foundations**

**PREREQUISITE:** Modern American History or Modern American History Foundations

**RECOMMENDATION:** D or below prior year and/or below basic level on standardized tests scores, and/or teacher/guidance recommendation.

## **208 AP European History**

**RECOMMENDATION:** “C” or better in AP American History or “A” in Modern American History, and/or teacher recommendation

## **209 Economics/Law**

**PREREQUISITE:** World Cultures or World Cultures Foundations

## **210 Economics/Law Foundations**

**PREREQUISITE:** World Cultures or World Cultures Foundations

**RECOMMENDATION:** D or below prior year and/or below basic level on standardized tests scores, and/or teacher/guidance recommendation.

## **211 World Geography**

**PREREQUISITE:** World Cultures or World Cultures Foundations

## **212 Sociology**

**PREREQUISITE:** World Cultures or World Cultures Foundations

## **213 AP US Government/Comparative Government**

**RECOMMENDATION:** Teacher recommendation. Prior Honors or AP experience suggested.**Or**

- Teacher recommendation.

## **216 AP Psychology (Elective)**

**RECOMMENDATION:** Teacher recommendation. Prior Honors or AP experience suggested.

**217 Psychology** (Elective) Semester course Level 2 Elective .5 Credit  
Grade 10-12

This course is designed to be an introduction to and survey of psychology and its major principles. Psychology is the study of behavior and mental processes. Topics include sensation and perception, learning, research methods, memory, states of consciousness, emotions, personality, biopsychology, abnormal behavior, and social psychology. The course work and activities will create a bridge between the classroom and the student’s everyday lives by promoting awareness, critical thinking, and metacognition.

## **218 History of the Holocaust**

Grade 11-12 (Elective) Semester Course Elective .5  
Credit

The History of the Holocaust is a semester course offered in the Social Studies Department. The Holocaust (1933-1945), also referred to as the Shoah, occurred during WWII. Millions of people were persecuted and ultimately perished as a result of a policy of genocide implemented by Nazi Germany. The subject is a difficult one to interpret, but students in this course will seek to understand how and why such a horrific event occurred in history. The topics explored will include, but are not limited to, the following: (1) Why study the Holocaust, (2) The History of Anti-Semitism, (3) The Rise of Nazi Germany, (4) Early Stages of Persecution, (5) The Final Solution, (6) Resistance, (7) Perpetrators, Collaborators, and Bystanders, (8) Liberators and Survivors, (9) Memory, Legacy, and post WWII Genocide. This course is limited to 50 students.  
**PREREQUISITE:** Completion of Modern American History

## MATHEMATICS

300	Pre-Algebra	9-10	Y	1	1
305	Algebra 1 - Part A	9-10	Y	1	1
301	Algebra I w/Lab	9-12	Y	2	1
306	Algebra 1 Keystone Remediation	9-11	S	1	.25
302	Plane Geometry	9-12	Y	2	1
303	Plane Geometry (A)	9	Y	3	1
304	Algebra II (A)	9-10	Y	3	1
305	Algebra I Foundations	10-11	Y	4	4
311	Algebra II	10-12	Y	2	1
312	Intermediate Algebra Concepts I	9-12	Y	4	4
313	Intermediate Algebra Concepts II	10-12	Y	1	
314	Pre-Calculus/Trigonometry (A)	11	Y	3	
315	Advanced Transition Math	9-12	Y	4	
321	College Algebra	11-12	Y	2	
322	Pre-Calculus/Trigonometry	11-12	Y	2	
324	AP Calculus AB	11-12	Y	AP	
330	Applied Statistics	11-12	Y	2	
331	AP Statistics	11-12	Y	AP	
332	Business and Social Sciences Calculus	12	Y	2	
334	AP Calculus BC	12	Y	AP	

### 300 Pre-Algebra

**PREREQUISITE:** Student must have the following:

- A final grade of a "D" or better in Math 2 or Math 3 at O'Block
- Score Basic or Below Basic on the Math PSSA (8th grade).

**Or**

- Teacher recommendation.

**RECOMMENDATION:** "C" or better in Math 8 support

### 301 Algebra I w/Lab

PREREQUISITE: Student must have the following:

- A final grade of a "C" or better in Math 8 at O'Block
- Score Basic, Proficient or Advanced on the Math PSSA (8th grade).
- Score Basic, Proficient or Advanced on the Algebra I Keystone (8th grade).

Or

- Teacher recommendation.

### 302 Plane Geometry

PREREQUISITE: Algebra I w/Lab

PREREQUISITE: Student must have the following:

- A final grade of a "C" or better in Algebra I w/Lab OR a final grade of a "D" or better in Advanced Algebra I at O'block
- Score Basic, Proficient, or Advanced on the Algebra I Keystone

Or

- Teacher recommendation.

### 303 Plane Geometry (A)

PREREQUISITE: Student must have the following:

- A final grade of a "B" or better in Advanced Algebra I at O'Block
- Score Basic, Proficient or Advanced on Algebra I Keystone Exam (8th Grade)

Or

- Teacher recommendation.

RECOMMENDATION: "B" or better in advanced Algebra I or "A" in Algebra I with teacher recommendation.

### 304 Algebra II (A)

PREREQUISITE: Advanced Plane Geometry

RECOMMENDATION: Advanced Algebra I and Geometry with a "B", or an "A" in both Algebra I and Geometry with teacher recommendation.

PREREQUISITE: Student must have the following:

- A final grade of a "B" or better in Plane Geometry (A)
- Score Proficient or Advanced on the Algebra I Keystone

Or

- Teacher recommendation.

### 305 Algebra I Foundations

Grade 10-11

Level 1

1 Credit

(Year)

Algebra 1 Foundations provides a foundation of algebraic concepts and methods necessary for students to succeed in future math classes. Students will represent and use numbers in equivalent forms; use exponents, roots, and absolute values to solve problems; simplify expressions; write, solve, and graph linear equations, systems of linear equations, and linear inequalities; analyze and use patterns; interpret and use linear functions and their equations, graphs, or tables; describe, compute, and use the rate of change (slope) of a line; analyze and interpret data on a scatter plot; use

measures of dispersion to describe a set of data; use data displays to make predictions; apply probability to practical situations. Throughout the course students will use appropriate technology, including TI graphing calculators, to estimate, measure, and compute and solve theoretical and practical problems. The culminating assessment for this class is the Keystone Exam for Algebra I. A score of Proficient or Advanced is a graduation requirement as per the PA Department of Education.

**PREREQUISITE:** Pre-Algebra

**RECOMMENDATION:** "C" or better in Pre-Algebra

### **305 Algebra 1 Part A**

Grades 9-10

Level 1

1 Credit (Year)

This is the first course of a two-year sequence in Algebra 1. This course will explore the first half of the Algebra 1 curriculum and is designed to emphasize the study of multiple representations of linear functions. Students will explore mathematical concepts for working with rational numbers, various expressions, graphing, analyzing and solving linear equations & inequalities. The course will incorporate extensive use of technology, including TI graphing calculators and web-based math tools, to solve theoretical and real-world problems.

Students will take the Algebra 1 Keystone Exam upon the completion of the second course, Algebra 1 Part B.

**PREREQUISITE:** Student must have the following:

- A final grade of a "D" or better in Math 8 at O'Block
- Score Basic or Below Basic on the Math PSSA (8th grade).

**Or**

- Teacher recommendation.

### **306 Keystone Algebra 1 Remediation**

Grades 9-11

Level 1

.25 Credit

(Fall)

This two day per six-day cycle course offers students remediation who have not yet scored proficient or advanced on the Algebra 1 Keystone Exam. Students who score proficient during the winter retest of the Keystone Exams will still be awarded the .5 credit and moved to a study hall when scores are released. This course is designed to enhance algebraic skills. Topics covered include operations with real numbers, linear equations, linear inequalities, functions, coordinate geometry, and data analysis.

**PREREQUISITE:** Not yet proficient or advanced on the Algebra I Keystone

### **311 Algebra II**

**PREREQUISITE:** Geometry

**RECOMMENDATION:** A grade of "C" or better in Plane Geometry and Algebra.

**PREREQUISITE:** Student must have the following:

- A final grade of a "C" or better in Plane Geometry
- Score Basic, Proficient or Advanced on the Algebra I Keystone

**Or**

- Teacher recommendation.

### **312 Intermediate Algebra Concepts-I**

Grade 10-12 \_\_\_\_\_ Level 1 \_\_\_\_\_ 1 Credit  
(Year)

This is the first course of two in the Intermediate Algebra Concepts sequence. In Intermediate Algebra Concepts I, students will build upon the concepts learned in Algebra 1 with the additional support of more time to develop concepts. This course develops an understanding of the ideas of linear equations, systems of equations, inequalities, quadratic equations, absolute value equations, and probability. Students will use graphing calculators to enhance the understanding of algebraic concepts.

PREREQUISITE: Algebra I or Algebra 1 w/lab

### **313 Intermediate Algebra Concepts II**

PREREQUISITE: Student must have the following:

- A final grade of a "D" or better in Intermediate Concepts I OR a final grade of a "D" in Algebra I w/lab or Geometry
- Score Below Basic or Basic on the Algebra I Keystone

**Or**

Teacher recommendation.

### **314 Precalculus/ with Trigonometry a Graphing Approach (A)**

RECOMMENDATION: Grade of "B" or better in advanced Algebra II or an "A" in Algebra II with teacher recommendation.

PREREQUISITE: Student must have the following:

- A final grade of a "B" or better in Algebra II (A)
- Score Proficient or Advanced on the Algebra I Keystone

**Or**

- Teacher recommendation.

### **315 Advanced Transition Math**

Grade 9-12 \_\_\_\_\_ Level 1 \_\_\_\_\_ 1  
Credit (Year)

This course develops basic math skills by building on number concepts and exploration through problem solving. Content in number concepts will span addition, subtraction, multiplication, division, factors and multiples, number patterns, fractions, decimals, percents, scientific notation, and integers. Problem solving will be explored through data, measurements, two-dimensional objects, area and perimeter, properties of shapes and transformations, probability, and graphing.

RECOMMENDATION: Teacher Recommendation

### **321 College Algebra**

PREREQUISITE: Algebra II or Intermediate Concepts II

PREREQUISITE: Student must have the following:

- A final grade of a "D" or better in Algebra II
- Score Basic, Proficient or Advanced on the Algebra I Keystone

**Or**

- Teacher recommendation.

### **322 Precalculus/with Trigonometry a Graphing Approach**

PREREQUISITE: Algebra I, Geometry, and Algebra II and Proficient

RECOMMENDATION: "C" or better in Algebra II

PREREQUISITE: Student must have the following:

- A final grade of a "C" or better in Algebra II
- Score Proficient or Advanced on the Algebra I Keystone

Or

- Teacher recommendation.

### **324 Advanced Placement Calculus AB**

RECOMMENDATION: A grade of "B" or better in advanced Pre-Calc/Trigonometry or an "A" in Pre-Calc/Trigonometry with teacher recommendation.

PREREQUISITE: Student must have the following:

- A final grade of a "B" or better in Precalculus/Trigonometry (A)
- Score Proficient or Advanced on the Algebra I Keystone

Or

- Teacher recommendation.

### **330 Applied Statistics**

RECOMMENDATION: Algebra II with a "B" or better and a "C" or better in Pre-Calc / Trig or teacher recommendation.

PREREQUISITE: Student must have the following:

- A final grade of a "B" or better in Algebra II OR a final grade of a "C" or better in Precalculus/Trigonometry
- Score Proficient or Advanced on the Algebra I Keystone

Or

- Teacher recommendation.

### **331 Advanced Placement Statistics**

RECOMMENDATION: Pre-Calculus/Trigonometry with an "A" (Advanced Pre-Calculus/Trigonometry with a "B" or better) and teacher recommendation.

PREREQUISITE: Student must have the following:

- A final grade of a "B" or better in Precalculus/Trigonometry (A)
- Score Proficient or Advanced on the Algebra I Keystone

Or

- Teacher recommendation.

### **332 Business and Social Sciences Calculus**

PREREQUISITE: Student must have the following:

- A final grade of a "C" or better in Precalculus/Trigonometry (A) OR a "B" or better in Precalculus/Trigonometry
- Score Proficient or Advanced on the Algebra I Keystone

Or

- Teacher recommendation.

RECOMMENDATION: Suggested that the student took Advanced Algebra 2, or "B" in Algebra II, a "C" in Pre-Calc/Trig, and teacher recommendation.

### **334 Advanced Placement Calculus BC**

RECOMMENDATION: A grade of "B" or better in Advanced Placement Calculus AB and teacher recommendation.

**PREREQUISITE:** Student must have the following:

- A final grade of a “B” or better in AP Calculus AB
  - Score Proficient or Advanced on the Algebra I Keystone
- Or**
- Teacher recommendation.

## SCIENCE

Course No.	Course Title	Grade	Sem.	Level	Credits
400	Introduction to Physical Science	9	Y	1	1
402	Biology (A)	9	Y	3	1
410	Intermediate Science I	10-11	Y	1	1
411	Biology w/lab	9-11	Y	2	1
413	Chemistry (A)	10	Y	3	1
415	Biology Remediation	10-11	Y	1	.5
420	Intermediate Science II	11-12	Y	1	1
421	Chemistry	10-12	Y	2	1
422	Anatomy & Physiology	10-12	Y	2	1
423	Introduction to Forensics	11-12	Y	2	1
425	Physics	11-12	Y	2	1
426	AP Physics I	11-12	Y	AP	1
427	AP Physics II	12	Y	AP	1
428	AP Physics (C)	12	Y	AP	1
431	Intro to Geoscience	11-12	Y	2	1
433	AP Biology	11-12	Y	AP	1
434	AP Chemistry	11-12	Y	AP	1

### 400 Introduction to Physical Science

**PREREQUISITE:** Student must have the following:

- Teacher Recommendation

### 402 Biology (A)

**PREREQUISITE:** Student must have all of the following:

- Final grade of “A” in Environmental Science
- Final grade of “B” or higher in Physical Science
- Teacher recommendation

**RECOMMENDATION:** “B” or better in eighth grade IPS, Earth and Space, and teacher recommendation or

“A” in Environmental Science and teacher recommendation. It is highly recommended that students in Plane Geometry (A) take this course.

### 411 Biology w/Lab



**PREREQUISITE:** Student must have all of the following:

- Successful Completion of Life Science
  - Successful Completion of Physical Science
- OR**
- Successful Completion of Introduction to Physical Science (400)

### **413 Chemistry (A)**

Student must have the following:

- Final grade of "B" or higher in Biology (A) **OR teacher recommendation**

**RECOMMENDATION:** B in Biology (A) accelerated biology and teacher recommendation.

### **415 Biology Remediation (elective credit)**

**PREREQUISITE:** Student must have all of the following:

- Successful completion of Biology
- Composite score of Basic or Below Basic on the Biology Keystone Exam

### **421 Chemistry**

Student must have all of the following:

- Successful completion of Biology.
- Successful completion of Algebra 1

**RECOMMENDATION:** Biology and Algebra 1, both with a C or better.

### **422 Anatomy and Physiology**

Student must have all of the following:

- Final grade of "C" or higher in Biology
- Final grade of "C" or higher in Chemistry **OR teacher recommendation**

Biology and Chemistry or teacher recommendation

**RECOMMENDATION:** "C" or better in biology and chemistry or teacher recommendation

### **423 Introduction to Forensic Science**

**PREREQUISITE:** Biology and Chemistry

**PREREQUISITE:** Student must have all of the following:

- Final grade of "B" or higher in Biology
- Final grade of "B" or higher in Chemistry

**OR**

- Teacher recommendation

**RECOMMENDATION:** "B-C" or better in biology and chemistry.

### **425 AP Physics I**

Student must have all of the following:

- Final grade of "B" or higher in Chemistry (A)
- Final grade of "B" or higher in Algebra II (A)
- Teacher recommendation

**OR**

- Successful completion of Physics **AND teacher recommendation**

Chemistry

**RECOMMENDATION:** "C" or better in Chemistry (A), Pre-Calc/Trigonometry, and teacher recommendation

### 430 Physics

~~PREREQUISITE: Chemistry~~

~~PREREQUISITE: Student must have all the following:~~

- ~~• Successful completion of Chemistry~~
- ~~• Concurrent enrollment in Pre Calc/Trigonometry~~

~~RECOMMENDATION: Plane Geometry and Chemistry with a "C" or better. Student should also currently be enrolled in Pre Calc/Trigonometry~~

### 431 Introduction to Geoscience

~~PREREQUISITE: Biology~~

~~PREREQUISITE: Student must have the following:~~

- ~~• Successful completion of Biology~~

~~RECOMMENDATION: "C" or better in Biology.~~

### 433 AP Biology

The Advanced Placement biology course is equivalent to a first year college biology course. It follows the guidelines laid out by the College Board. The course's emphasis is on science as a process, scientific inquiry, and recognition of unifying themes that integrate the major topics of biology. This course is broken down into three areas of study: 25% molecules and cells, 25% genetics and evolution, and 50% organisms and populations. In addition, students must conduct twelve to fourteen (either identical or modified) of the College board suggested AP Biology laboratories. The course is strongly recommended for any student considering medical and allied health profession at the college level. In order to receive weighted grading credit for the class, students must take the Advanced Placement Exam. This course is designed to meet the standards of any first-year college biology course. It follows the guidelines laid out by the College Board. The course consists of a scheme covering cellular chemistry, cell physiology, genetics and evolution. A focus of DNA and DNA technology is covered. Comparative animal development as well as comparative vertebrate anatomy is also a part of this course. The course is strongly recommended for any student considering medical, paramedical and health related major/profession at the college level. Any student taking this course is required to take the AP biology exam offered in May, by the College Board.

~~PREREQUISITE: Biology and Chemistry~~

~~PREREQUISITE: Student must have all of the following:~~

- ~~• Final grade of "B" or higher in Biology (A) OR teacher recommendation into Chemistry (A)~~
- ~~• Final grade of "B" or higher in Chemistry (A)~~
- ~~• Teacher recommendation~~
- ~~• Composite Score of Proficient or Advanced on the Biology Keystone Exam~~

### 434 AP Chemistry

~~PREREQUISITE: Chemistry~~

~~PREREQUISITE: Student must have all of the following:~~

- ~~• Final grade of "B" or higher in Chemistry (A)~~
- ~~• Teacher recommendation~~

~~RECOMMENDATION: Chemistry (A) with a "B" or better and teacher recommendation~~

### 435 AP Physics (C)

**PREREQUISITE:** AP Physics I and Pre-Calculus/Trigonometry

**PREREQUISITE:** Student must have all of the following:

- Final grade of “B” or higher in AP Physics I
- Final grade of “B” or higher in Pre-Calculus/Trigonometry
- Concurrent enrollment or successful completion of Calculus course
- Teacher recommendation

**RECOMMENDATION:** AP Physics I and Pre-Calculus/Trigonometry with a B or higher and currently enrolled or has already taken a calculus-based math course.

### **435 AP Physics II**

**PREREQUISITE:** AP Physics I and Pre-Calculus/Trigonometry

**PREREQUISITE:** Student must have all of the following:

- Final grade of “B” or higher in AP Physics I
- Final grade of “B” or higher in Pre-Calculus/Trigonometry
- Concurrent enrollment or successful completion of Calculus course
- Teacher recommendation

**RECOMMENDATION:** AP Physics I and Pre-Calculus/Trigonometry with a B or higher and currently enrolled or has already taken a calculus-based math course.

## **MODERN WORLD LANGUAGE Class Descriptions**

<b>Course No.</b>	<b>Course Title</b>	<b>Grade</b>	<b>Sem.</b>	<b>Level</b>	<b>Credits</b>
500	Spanish I	9-12	Y	2	1
501	Spanish II	9-12	Y	2	1
502	Spanish III	10-12	Y	2	1
504	<del>Spanish Honors IV</del> Honors Spanish IV	11-12	Y	3	1
505	AP Spanish	12	Y	3	1
510	French I	9-12	Y	2	1
511	French II	9-12	Y	2	1
512	French III	10-12	Y	2	1
515	<del>French Honors IV</del> Honors French IV	11-12	Y	3	1
516	AP French	12	Y	3	1

### **501 SPANISH II**

**PREREQUISITE:** Level “C” or better in Spanish I

**RECOMMENDATION:** “C” or better in Level

### **502 SPANISH III**

PREREQUISITE: Level II "C" or better in Spanish II

RECOMMENDATION: "C" or better in Level II.

#### **504 SPANISH HONORS IV HONORS SPANISH IV**

PREREQUISITE: Spanish III "B" or better in Spanish III and teacher recommendation

RECOMMENDATION: "B" or better in Spanish III and teacher recommendation.

#### **505 AP SPANISH**

PREREQUISITE: Honors Spanish IV "B" or better in Honors Spanish IV and teacher recommendation

RECOMMENDATION: "B" or better in Honors Spanish IV and teacher recommendation

#### **511 FRENCH II**

PREREQUISITE: French I "C" or better in French I

RECOMMENDATION: "C" or better in Level I.

#### **512 FRENCH III**

PREREQUISITE: French II "B" or better in French II

RECOMMENDATION: "B" or better in Level II.

#### **515 FRENCH HONORS IV HONORS FRENCH IV**

This course is designed for students who seek the challenge of a course comparable in difficulty and content to a college level course. Students will complete reading and writing assignments and will participate extensively in class. The course content includes improving reading, writing, speaking, and listening skills regarding topics such as Francophone cultures, customs, and beliefs as well as societal rights and responsibilities.

PREREQUISITE: French III "B" or better in French III and teacher recommendation

RECOMMENDATION: "B" or better in Level III and teacher recommendation.

#### **516 AP FRENCH**

PREREQUISITE: French Honors IV "B" or better in Honors French IV and recommendation from teacher

RECOMMENDATION: "B" or better in French Honors IV and recommendation from French IV instructor.

## **BUSINESS/COMPUTER SCIENCE EDUCATION**

Course No.	Course Title	Grade	Sem.	Level	Credits
600	Practical Applications for the Digital Classroom	9-12	S	1-2	.5
601	Web Site Design & Development	10-12	Y	2-3	1
602	Introduction to Computer Science through Game Design	9-12	S	1	.5
603	Unity 3D Programming	10-12	S	2	.5
604	AP Computer Science Principles	10-12	Y	AP	1
602	Computer Programming with Visual Basic	10-12	Y	2-3	1

603	Computer Programming with Java	10-12	Y	2-3	4
609	Introduction to Business	9-12	S	1-2	.5
610	Business Law and Finance	10-12	Y	2	1
611	Introduction to Accounting	10-12	Y	2	1
612	Honors Accounting	11-12	Y	3	1
613	Marketing	11-12	Y	2	1
614	International Business	11-12	Y	2	1
615	AP Economics	12	Y	AP	1

### 600 Practical Applications for the Digital Classroom

Grade 9-12

Level 1-2

.5 Credit

(Semester)

This course is highly recommended to all students (grades 9-12) regardless of their future career plans. It is a course designed to develop the basic concepts and skills necessary for high school, college, and beyond. It provides an introduction to the daily use of technology (computers, handheld devices, and phones) with the main focus on Microsoft Office (Word, Excel, and PowerPoint) and Google apps. Students will also learn how to integrate and streamline their daily tasks through the use of real-world simulations.

This course is highly recommended to all students (grades 9-12) regardless of their future career plans. High school teachers, business professionals, and college professors expect students to be able to communicate in a professional and effective manner. This course is an opportunity to really learn the power available in Microsoft Word, Excel, and PowerPoint along with Google Apps. Mastery of these skills gives students the ability to complete tasks more quickly and accurately, thus improving their efficiency and productivity. Students will also be exposed to Web 2.0 applications used for creating, collaborating, editing, and sharing. Presentation, video, mobile, and community tools will be introduced.

### 601 Web Site Design & Development

Grade 10-12

Level 2-3

1 Credit (Year)

3

Credits U. of Pittsburgh

The objective of this course is to provide a basic understanding of the methods and techniques of developing a simple to moderately complex website. Using the standard web page language XHTML, students will learn how to create and maintain a simple web site. After the foundation language of XHTML has been established, the aid of an Internet editor will be introduced. To further enhance the students' web sites, Java Script will be included. Finally, web site design and layout techniques, as well as basic search engine analysis, will be added to enhance the students' practical design skills.

Did you ever want to create your own website? This is a college-level, introductory course on web design. It will provide the student with a basic understanding of the methods and techniques used to create a simple to moderately complex websites. Using HTML5, CSS3, and JavaScript, students will create dynamic web sites. Additionally, web site design and layout

techniques, as well as basic search engine analysis, will be included to enhance the student's practical design skills. (Optional: Three credits from the University of Pittsburgh can be earned when taken as a College in High School course.)

### **602 Computer Programming with Visual Basic**

Grade 10-12                      Level 2-3                      1 Credit (Year)                      3 Credits U. of Pittsburgh

This class provides an introduction to developing programs in a Windows environment using Visual Basic. Topics include the design of the graphical user interface, using Visual Basic forms, controls and tools, and event driven programming. Students will be involved in a problem analysis and the development of algorithms to create programs that satisfy a variety of conditions.

### **603 Computer Programming with Java**

Grade 10-12                      Level 2-3                      1 Credit (Year)                      3 Credits U. of Pittsburgh

This course introduces students to the concepts, techniques and tools of computer science. Using the programming language Java, the fundamentals of problem analysis, algorithm development are emphasized. Students will design programs that elaborate fundamental concepts. Through an object-oriented approach to programming, the organizational skills developed in this course would be beneficial to any student regardless of intended college major.

### **602 Introduction to Computer Science through Game Design**

Grade 9-12                      Level 2                      0.5 Credit (1 Semester)

The Introduction to Computer Science through Game Design course teaches students the basics of computational thinking, object-oriented programming, and the global impact of the Internet using fun, high-interest game design projects. The students will use animated sprites, create melines, build complex game objects, and object-oriented design to develop digital games. They learn game design principles such as balance, player feedback, and randomness. By the end of the course, students will collaborate in design teams to create unique, original executable 2D games.

### **603 Unity 3D Programming**

Grade 10-12                      Level 2                      1 Credit (Year)

The Unity #D Programming course teaches the students how to use advanced programming skills (C# or JavaScript) to build three-dimensional (3D) games. The students will also create 3D designs using Unity, which is one of the world's largest online creative communities and the #1 game development platform today. The students will create projects, which are real video games and immersive real-life programs, through collaboration. The students will explore art and animation concepts that are integral to designing game levels and environments. Students who successfully complete this course will create two fully executable 3D games and also be prepared to take the Unity Developer Certification Exam.

PREREQUISITES: Algebra 1

### **604 AP Computer Science Principles**

Grade 10-12  
Credit (Year)

Level AP

1

This AP course is a rigorous, entry-level course that introduces high school students to the foundations of modern computing. Topics covered include: how the internet works and its impact on society; how to program small apps both to solve problems and to express one's creativity; how to collect, analyze, and visualize data to gain insight and knowledge; and how to evaluate the beneficial and harmful effects to people and society brought on by computing innovations.

The course includes research and a significant amount of writing as well as other creative approaches to conveying information.

Pre-requisites include a strong foundation in Algebra, and the ability to work independently and collaboratively to solve problems. No prior computer programming experience is required. In order to receive weighted grading credit for the class, students must take the Advanced Placement Exam and submit the two performance tasks to College Board.

**This class includes a summer assignment.**

PREREQUISITES: "B" or better in Algebra 1, "B" or better in previous English course

PREREQUISITES: "C" or better in Algebra 1.

### **609 Introduction to Business**

Grade 9-12

Level 1-2

.5 Credit (Semester)

This course is highly recommended to all students (grades 9-12) regardless of their future career plans. This class gives the students a small look into the world of business in the 21st Century. The students will get an opportunity to see the many fields that are available to them in the global economy of the present and the future. Some of the content included in this course are: Accounting, Economics, Entrepreneurship, Finance, International Business, Management, and Marketing. Also, the students will get a look into the roles of the participants in these fields through real world content, hands-on activities, and collaborative projects. Lastly, the students will get a look at the career possibilities in each area of business.

### **611 Introduction to Accounting**

Grade 10-12  
(Year)

Level 2

1 Credit

~~This course is recommended for both the college bound student and the student planning to enter the workforce upon graduation. The purpose of Introduction to Accounting is to provide students with basic accounting skills to enable them to apply for entry level accounting jobs, and to prepare students planning to major in the accounting/business curriculum in college. This class also provides valuable knowledge and skills that can be used by all people in everyday life regardless of their field of employment.~~

Introduction to Accounting is recommended for either the college bound student, the student immediately entering the workforce, or the student planning to own their own business. This course presents a study of accounting for a both a business organized as a proprietorship and also a corporation. The purpose of this class is to provide students with the basic accounting skills necessary to complete the entire accounting cycle (Analyzing transactions, Journalizing, Posting, Preparing a Worksheet, Preparing Financial Statements, Recording Adjusting and

Closing Entries, and Preparing a Post-Closing Trial Balance) for both business structures. The students will learn valuable accounting knowledge and hands-on skills by completing real world accounting simulations for a both a sole proprietorship and a corporation.

**PREREQUISITE:** None

### **613 Marketing**

Grade 11-12  
(Year)

Level 2

1 Credit

~~This course is an introduction to marketing concepts. Marketing is the process of developing, promoting, pricing, and distributing products in order to satisfy customer's wants and needs. Students will learn about marketing through real-life examples, practical applications, and creative projects. Topics studied in this course include, but are not limited to, the marketing concept, socially responsive marketing, competition, e-commerce, developing a marketing plan, business-to-business marketing, and developing successful products.~~

Did you ever wonder what it really takes to get a product to the customer? This course is designed to teach students how products and services are produced, distributed, priced, and promoted to consumers. Major topics include consumer behavior, socially responsible marketing, competition among brands, developing a marketing plan, e-commerce, digital marketing, pricing strategies, and advertising. Projects and collaboration are an integral part of the course, creating a hands-on learning environment. Some examples include inventing a product, making a commercial, marketing an original theme park, and marketing a celebrity.

### **615 AP Economics**

Grade 12  
(Year)

Level AP

1 Credit

~~This AP course presents the politics and science of economic theories encouraging students to apply an economic way of thinking in their daily lives. The class explores such topics as opportunity cost, marginal decision-making, the role of incentives, the gains from trade, the efficiency of market allocations, as well as extensive study in Micro and Macroeconomic theory. In order to receive weighted grading credit for the class, students must take the Advanced Placement Exam.~~

AP Economics is designed for highly motivated and extremely capable students who are interested in earning Advanced Placement credit(s) though taking one or both of AP Economics Exams. This AP course presents a college level study of the politics and science of economic theories encouraging students to apply an economic way of thinking in their daily lives. The class explores such topics as opportunity cost, marginal decision-making, the role of incentives, the gains from trade, the efficiency of market allocations, as well as extensive study in Microeconomic theory. In order to receive weighted grading credit for the class, students must take at least one of the two Advanced Placement Exams or be taking 4 other Advanced Placement Exams. (see p. 5).

**REQUIRED SUMMER READING / ASSIGNMENT:** None

**PREREQUISITE:** None

## **FINE ARTS**



**801 Concert Orchestra**

Grade 9-12

Level 1-2

1 Credit

(Year)

Concert orchestra prepares and presents music for school events and public concerts. This course is open to all students who play a string instrument (violin, viola, cello, bass). Students are expected to possess the drive should possess a willingness to perform and expand improve their playing ability through individual and ensemble work. T

**802 Girls Chorus**

Chorus members will participate in three two mandatory performances each year in December and May. ~~Exceptional students may be chosen to participate in the PMEA Junior High School District Chorus or audition for PMEA Honors Chorus. Membership in Ninth Grade Chorus is by departmental approval.~~

**812 Symphonic Orchestra**

Grade 10-12

Level 2-3

1 Credit

(Year)

Symphonic Orchestra prepares and presents music for school events and public concerts. This class is designed for the advanced string player who wishes to rehearse and perform music at a high level, and therefore is open to grade 10-12 students who play a string instrument (violin, viola, cello, bass) by audition only. Students should are expected to possess a willingness to perform and expand their playing ability through individual and ensemble work.

## PHYSICAL EDUCATION

921	Strength, Flexibility, and Conditioning (elective)	10-12	S	2	.5
-----	--	-------	---	---	----

**921 Strength, Flexibility, and Conditioning**

Grade 10-12

## AIR FORCE JUNIOR ROTC PROGRAM

### Class Descriptions

Course No.	Course Title	Grade	Sem.	Level	Credits
912	AFJROTC Aerospace Science Program Course name	9-12	Y	1-2	1
915	Advanced Drill Cadets Corps Management	12	Y	3	1

917	AFJROTC Basic Survival	10-12	Y	2	1
920	Summer Leadership Course	9-11	S	1-3	.5

The Air Force Junior Reserve Officer Training Corps (AFJROTC) is a program designed to develop citizens of character dedicated to serving their nation and community. The AFJROTC Aerospace Science Program is the primary and required yearly course for all students taking Junior ROTC. Fourth year students, with instructor approval, may enroll in the Cadet Core Management course. The Survival and Summer Leadership courses are supplementary courses to the AFJROTC program.

Students will be required to wear the AFJROTC cadet uniform to class once per academic week. Uniforms (including PT uniform) will be issued at no cost. **NO MILITARY OBLIGATION IS IMPOSED, EXPECTED OR INCURRED WHEN A STUDENT PARTICIPATES IN AFJROTC CLASSES.**

Participating in JROTC provides an added benefit to those enlisting in military service (added rank) or continuing into an officer candidate program (College Scholarships).

Additionally, \*\*College credits can be obtained through University of Louisiana-Monroe by earning a "B" or above in any of the core AFJROTC classes.

**Note:** ~~College credit is available through Adams State University for certain JROTC classes at \$60 per hour.~~ Please contact one of the AFJROTC instructors for more information.

~~No military obligation is expected or incurred by participating in this program.~~

The objectives of AFJROTC are to educate and train high school cadets in citizenship, promote community service, instill responsibility, character, and self-discipline, and provide instruction in air and space fundamentals. The AFJROTC program is grounded in the Air Force core values of *integrity first, service before self, and excellence in all we do*.

**UNIFORM REQUIREMENT:** ~~All cadets in every course will have a uniform requirement.~~ All cadets will be issued an AFJROTC uniform at no cost, including tailoring. The uniform wear requirement is designed to teach cadets attention to detail, discipline, and dedication. Students will be required to wear the uniform once a week according to AFJROTC uniform regulations. Students will also be required to provide a V-neck white t-shirt or white undershirt, black socks, and will be required to maintain their hair according to Air Force uniform standards.

## 912 AFJROTC Aviation History

Grade 9-12 - Level 1/2 1 Credit (Year) Up to 3 Credits: Adams St. Univ. \_\_\_\_\_

The aviation history course focuses on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to modern day. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets. Throughout the course, there are readings,

videos, hands-on activities, and in-text and student workbook exercises to guide in the reinforcement of the materials.—

The course is combined with Leadership Education (LE) 100: Traditions, Wellness, and Foundations of Leadership. LE 100 is the component of JROTC leadership education. It will introduce cadets to history, organization, mission, traditions, goals, and objectives of JROTC for all services. It introduces key military customs and courtesies, how to project a positive attitude, exams the principles of ethical and moral behavior, provides strategies for academic success, and how to be emotionally, mentally, and physically healthy. Avoiding and preventing violence in today's society will also be covered, as well as how to recognize types of bullying and how to advocate for prevention of this type of behavior. This portion of the course will also examine the negative effects of air and water pollution, and how to help keep the environment safe. Cadets will be introduced to civics and our national government, including a historical understanding of the American flag and other important national symbols. The final chapter will also cover how the US Constitution protects our rights and freedoms as American citizens.

### **912 Course name?**

Grade 9-12

Level 1-2

1 Credit

(Year)

Each AFJROTC Aerospace Science course is divided into three separate but equivalent sections of study; Aerospace Science, Leadership Education, and Health and Wellness. Each school week is divided into 3 parts; 2 days of Aerospace Science, 2 days of Leadership Education, and 1 day of Health and Wellness usually designated as "PT" or physical training. All cadets are required and expected to wear the PT uniform and participate in the scheduled PT activities each week. Instructors are free to include other activities cadets enjoy such as team sports, inter-class competitions, marksmanship, unmanned flying vehicle competitions and other challenging, yet fun, activities. In addition to classroom academics, all leadership components include wear of the cadet AFJROTC uniform and demonstration performance activities involving basic drill and ceremonies. Cadets will be issued uniforms, both PT and Air Force Service Dress, at no cost to the student.

### **Curriculum opportunities include:**

- Academic studies in Aerospace Sciences
- Character Education
- Life skills, Financial Planning, Career Exploration
- Leadership opportunities
- Team-building experiences
- Sports, marksmanship, fitness, and drill competitions
- Field trips / training opportunities
- Unmanned Flying Vehicles (Rockets, Balloons, RD aircraft)
- Community Service

### **915 AFJROTC Advanced Drill**

Grade 10—12

Level 2

1 Credit

(Year)

The "*Advanced Drill*" course provides an in-depth introduction to military and civilian drill and ceremonies. This course concentrates on the elements of military drill, and describes individual and group precision movements, procedures for saluting, drill, ceremonies, reviews, parades,

and development of command voice. Students are provided detailed instruction on ceremonial performances and protocol for civilian and military events and have the opportunity to personally learn drill. In addition, cadets will study the history, tradition, proper use, display and disposal of the American Flag. This course is designed to build confidence through concentration on attention to detail and communication skills. Though each class will follow an established lesson plan, most of the work is to be hands-on. Students must be a part of the cadet corps (taking one of the basic courses) in order to enroll in this class, but there is no prerequisite.

### **915 Cadet Corps Management**

Grade 12/4th Year Cadet

Level 3

1

Credit (Year)

*Prerequisites:* A student must have the written approval of the AFJROTC Instructors on their schedule request. This course is for students who are responsible for managing the AFJROTC Cadet Corps. Students apply principles and methods they have learned to lead and manage the entire AFJROTC program, including coordinating co-curricular activities, events, and competitions. Students also meet the requirements of AFJROTC 400 for wellness and drill.

### **920 AFJROTC Summer Leadership Course**

Grade 9-11

Level 2

.5 Credit (Summer Program)

2 Credits, Adams State

University

The “Summer Leadership Course” (SLC) is a 5-day session offered during the summer. This course is provided for cadets who plan to return to the AFJROTC program the following academic year. The curriculum for SLC is a mixture of in-class leadership academics, field trips, and activities designed to promote and enhance the leadership skills of cadets who aspire to hold positions in the corps.

### **920 Summer Leadership Basic Course (Supplementary Course)**

Grade 9-11 (College Accredited)

Level 1

.5 Credit (Summer

Program)

*Prerequisites:* A student must have completed at least one year of AFJROTC and received an invitation from the AFJROTC Instructors. Held in-residence on a university campus during the summer, the course is for students who have demonstrated leadership ability and desire to become future leaders within AFJROTC. Tuition is approximately \$200.

### **921 Summer Leadership Advanced Course I (Supplementary Course)**

Grade 9-11 (College Accredited)

Level 2

.5 Credit (Summer

Program)

*Prerequisites:* A student must have completed at least two years of AFJROTC, the Summer Leadership School Basic Course and received an invitation from the AFJROTC Instructors. This course is for students who are preparing to lead the AFJROTC program. The focus of this course is preparing students to plan, implement, and manage AFJROTC programs at their schools. Tuition is about \$200

### **922 Summer Leadership Advanced Course II (Supplementary Course)**

Grade 9-11 (College Accredited)

Level 3

.5 Credit (Summer

Program)

*Prerequisites: A student must have completed at least two years of AFJROTC, the Summer Leadership School Basic Course and received an invitation from the AFJROTC Instructors. This course is for student leaders who lead the AFJROTC program. Students attend more in-depth classes and assist instructors with operating the school as part of their leadership development. Tuition is about \$200.*

Justin Stephans  
Principal

Michael Gauntner  
Assistant Principal

Adam Szarmach  
Assistant Principal

#### PARENTAL REQUEST TO OVERRIDE COURSE PREREQUISITE

Many courses have prerequisite requirements that must be fulfilled in order for a student to qualify for placement in that particular course. Prerequisites have been carefully considered by the professional staff and are established to ensure that students enter courses equipped with the skills and knowledge necessary to be successful. When a student circumvents prerequisites, that individual is entering a course with a deficit. Often, this deficit is difficult, or even impossible to overcome.

Academic, honors, and advanced placement courses in the high school curriculum require a high level of commitment from the student. If a student lacks the prerequisite skills necessary to be successful in a course, the course requirements and expectations will not be lowered to accommodate that individual.

When a student selects a course, he or she is making a commitment to finish that course. Schedule changes are NOT made to move students into an easier track, once the schedule change date (June 2, 2017) has passed. Parents and students must carefully consider the consequences of overriding a course prerequisite, before committing to that decision.

The consequences of overriding a prerequisite may include:

- The student may fail the course or may receive a grade lower than that which they are accustomed to receiving.
- The student may need outside tutoring at the expense of the parent.
- The student may need to focus such an inordinately large amount of time and energy on the course in question, that other courses suffer.
- The time required to be successful in the course may force the student to curtail participation in extracurricular activities and activities outside of school.

\*\*\*\*\*  
\*\*

Student: Last Name\_\_\_\_\_ First Name\_\_\_\_\_ Grade\_\_\_\_\_ Homeroom\_\_\_\_\_

If after careful consideration of the above information, you wish to pursue the override of a course prerequisite, please complete the information below, sign, date, and return to your child's guidance counselor.

\_\_\_\_\_  
Counselor's Name

Course for which override of prerequisite is desired: \_\_\_\_\_

Course Name

Course Number

The prerequisite for this course is \_\_\_\_\_, your child falls short of this

Specify Prerequisite

prerequisite in the \_\_\_\_\_.

Specify Deficiency

I, \_\_\_\_\_, realize that my child does not meet the prerequisite for the

Parent Name

course named above. I wish to override the prerequisite and have him/her placed in the course requested. I understand that this course will not be dropped.

\_\_\_\_\_  
Parent Signature

\_\_\_\_\_  
Date