

# Alonso High School Curriculum Guide 2022-2023

8302 Montague Street Tampa, FL 33635

Dear Student,

It is my great pleasure to introduce to you the course description catalog for Alonso High School. It is written in a detailed format to aid you and your parents in selecting academic courses and electives for the next school year. Even though courses are listed in this directory and on the programming sheets, please understand that each class must have sufficient enrollment to remain on the school's master schedule; if not, the next elective class of choice will be assigned. Therefore, please be very selective when making the alternate course choices.

It is the goal of this faculty and staff that all students be prepared not only for the near future of work and/or post-secondary education, but also with the tools and strategies to be life-long learners. To this end, the administration expects students to be programmed into challenging academic classes, high interest elective classes, and technologically rigorous classes. School counselors, teachers, and administrators will work with all students to ensure that the opportunity for a quality education is available to everyone.

This guide, along with parent, teacher, and peer input, should be used when selecting classes for the upcoming high school years. It is my wish that each and every student have an educational and successful school year here at Alonso where excellence in all undertakings is expected, encouraged, and recognized.

Sincerely,

James Harris  
Principal



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## GRADES 9 - 12

<b>Hillsborough County Public Schools GRADUATION REQUIREMENTS STUDENTS ENTERING 9<sup>TH</sup> GRADE IN THE 2017-2018 SCHOOL YEAR</b>		
	<b>24 CREDIT PROGRAM STANDARD DIPLOMA</b>	<b>SCHOLAR DESIGNATION (In Addition to the 24 Credit Standard Diploma Requirements)</b>
<b>English</b>	<b>4 required</b> English I, II, III, IV	
<b>Mathematics</b>	<b>4 required</b> Including <sup>1</sup> Algebra I or its equivalent and <sup>2</sup> Geometry <ul style="list-style-type: none"> <li>Industry certifications that lead to college credit may substitute for up to two mathematics credits (except for Algebra I and Geometry).</li> </ul>	1 credit in Algebra II must pass End of Course (EOC) exam 1 credit in Statistics or equally rigorous mathematics course Pass Geometry EOC
<b>Science</b>	<b>3 required</b> Including <sup>3</sup> Biology I and two credits in equally rigorous science courses Two credits must have a laboratory component. <ul style="list-style-type: none"> <li>An industry certification that leads to college credit substitutes for up to one science credit (except for Biology I).</li> <li>An identified rigorous Computer Science course with a related industry certification substitutes for up to one science credit (except for Biology I).</li> </ul>	Pass Biology I EOC ✓ 1 credit in Chemistry or Physics 1 credit in a course equally rigorous to Chemistry or Physics
<b>Social Studies</b>	<b>3 required</b> World History, <sup>4</sup> United States History, United States Government (.50 credit), and Economics with Financial Literacy (.50 credit)	Pass United States History EOC ✓
<b>Fine Arts</b>	<b>1 required</b> In Fine or Performing Arts, Speech and Debate, or approved Practical Arts course	
<b>Physical Education</b>	<b>1 required</b> HOPE	
<b>World Language</b>	Not required for graduation, but at least two credits in the same language are required for admission into four year colleges and universities.	Two credits in the same world language
<b>Electives</b>	<b>8 required</b> Elective credit details for Bright Futures Scholarships, go to <a href="http://www.floridastudentfinancialaid.org">www.floridastudentfinancialaid.org</a> .	
<b>Online/Virtual Course</b>	At least one course within the 24 credits required must be completed through online learning.	
<b>Minimum Graduation Credit Requirement</b>	<b>24 credits</b>	<b>24 Credits</b> One credit must be in Advanced Placement, AICE, dual enrollment, or International Baccalaureate.
<b>ACCEL OPTION (18 CREDIT)</b>	Three elective credits instead of eight; Physical Education is not required; Online/Virtual Course not required. All other graduation requirements for a 24-credit standard diploma must be met (per Florida Statutes).	
<b>Merit Designation</b>	In addition to the 24 credit standard diploma requirements, students pursuing merit designation must attain one or more industry certifications from the state approved list.	
<b>Seal of Biliteracy</b>	The attainment of a high level of competency in listening, speaking, reading, and writing in one or more world languages in addition to English.	
<b>Assessment</b>	Must pass Florida Standards Assessment (FSA) Grade 10 English Language Arts (ELA) assessment (or earn concordant ACT or SAT score) and <sup>1</sup> Algebra I EOC exam (or earn PERT comparative score).	
<b>GPA</b>	2.0 on a 4.0 scale (unweighted state GPA)	
<b>GPA Bonus Points</b>	.04 Points per .50 honors credit (final grade must be C or above) .08 Points for Dual Enrollment and AP per .50 credit (final grade must be C or above)	

**Graduation requirements for students with disabilities:** In addition to the 24-credit and the ACCEL 18-credit options above; there are two other standard diploma options available only to students with disabilities: academic and employment option and access points option. Both require the 24 credits listed in the chart and both allow students to substitute a career and technical (CTE) course with related content for one credit in ELA IV, mathematics, science, and social studies (excluding Algebra I, Geometry, Biology, and United States History). Students who choose the academic and employment option must earn at least .50 credit via paid employment (counts as .50 elective credit). Students with significant cognitive disabilities may earn credits via access courses and assessed via an alternate assessment. See "Standard Diploma for Students with Disabilities served Through Access Points and Alternately Assessed" for additional information.

Students enrolled in <sup>1</sup>Algebra I, <sup>2</sup>Geometry, Algebra II, <sup>3</sup>Biology, and/or <sup>4</sup>United States History must take the respective EOC exam, and it will constitute 30% of the student's final grade. Special Note: Thirty percent not applicable if enrolled in Algebra I, Geometry, and/or Algebra II in the 2014-2015 school year.

- ✓ A student is exempt from Biology I or United States History assessment if enrolled in AP, IB, or AICE Biology I or United States History course and takes the respective AP, IB, or AICE assessment and earns the minimum score to earn college credit.

Subject to change pending state legislation

November 2016

## **DUAL ENROLLMENT- ON CAMPUS COURSES**

Dual Enrollment is a program that allows high school students to earn credit toward a postsecondary diploma, certificate, or degree at a Florida public institution and toward a high school diploma. Students who successfully complete dual enrollment courses will save time toward their college degree and save money with free tuition and, if a public school student, free textbooks.

The following Dual Enrollment courses will be potentially offered on campus at Alonso High School through Hillsborough Community College during the school day or after school depending on enrollment requests. Students must have and maintain a 3.0 unweighted GPA to be eligible for Dual Enrollment. Some classes require college placement scores – see Prerequisite Requirements and the chart below to determine scores needed.

Dual Enrollment courses are weighted .08 higher than regular classes, and can improve a student's GPA and prepare students for college. The additional .08 will only be added to Dual Enrollment courses where the student received a final semester grade of a 'C' or higher. Since Dual Enrollment courses are college courses, they will be on student college transcripts.

Dual Enrollment courses are primarily 3 college credits, so they will only meet 3 days per week for one semester.

### **College Placement Test Scores Requirement for Dual Enrollment:**

- Be a high school student with a 3.0 cumulative unweighted GPA
- Achieve and provide official college placement scores not more than two years old
- **Note:** if you wish to take the PERT at an HCC campus, you must have a completed HCC application

PERT	SAT (Before March 2016)	SAT (After March 2016)	ACT
Reading 106	Reading/Verbal 440	Reading 24.0	Reading 19
Writing 103	N/A	N/A	English 17
Math 114*	Math 440*	Math 24.0*	Math 19*
*MAC 1105 requires 123 for PERT, 510 for SAT (old), 27.0 for SAT (new), and 21 for ACT			

### **OFFERINGS:**

#### **SLS 1106 FIRST YEAR EXPERIENCE**

3 credit hours at Hillsborough Community College

*Prerequisites: 3.0 unweighted GPA*

This course emphasizes early academic planning that aligns students' aptitudes, career interests, and life goals. In addition to the early development of a comprehensive academic/life plan, first-time-in-college students will learn about HCC's support services and how to navigate toward successful completion of courses and programs. Moreover, students will engage with the College community in meaningful ways that help prepare them to realize their academic and career goals. Pedagogical approaches include lecture, faculty-advisor partnership, peer group collaboration, library research, self-exploration, written reflection, oral presentation, experiential learning, and other modalities.



**EUH 2000: DUAL ENROLLMENT WESTERN CIVILIZATIONS 1**

3 credit hours at Hillsborough Community College  
Semester 1 only

*Prerequisites: Students must meet HCC test score requirements.*

Presents a study of cultural, economic and political developments of Western civilization from 8,000B.C.E. to 1600 with an emphasis on geographic references. Areas of focus include Neolithic Revolution, Early River Civilizations, Ancient Greece, Ancient Rome, Medieval Europe, The Renaissance and The Reformation.

\* This course is a college course offered by Hillsborough Community College in the high school setting. Therefore, this course will have rigor at the college level to meet the dual enrollment requirements. At the end of the course, those who receive a passing score will receive 3 credit hours at Hillsborough Community College.

**EUH 2001: DUAL ENROLLMENT WESTERN CIVILIZATIONS 2**

3 credit hours at Hillsborough Community College  
Semester 2 only

*Prerequisites: Students must meet HCC test score requirements.*

Presents a study of the economic, social and political development of the world from 1648 to the present, with an emphasis on geographic references. Areas of focus include Scientific Revolution, Enlightenment, French Revolution, Imperialism, Industrial Revolution, WWI, WWII and Post WWII.

\* This course is a college course offered by Hillsborough Community College in the high school setting. Therefore, this course will have rigor at the college level to meet the dual enrollment requirements. At the end of the course, those who receive a passing score will receive 3 credit hours at Hillsborough Community College.



## **AP COURSE OFFERINGS**

Parents and students wanting more details on topics covered in any Advanced Placement (AP) class should visit this website for complete descriptions: <http://apcentral.collegeboard.com/apc/public/courses/descriptions/index.html>. Advanced Placement classes are weighted .08 higher than regular classes, and can improve a student's GPA and prepare students for college. The additional .08 will only be added to AP courses where the students received a final semester grade of a "C" or higher.

There is a considerable amount of study time involved in Advanced Placement classes, and students should be sure that they are willing to commit to extra time to complete reading and assignments. Students can earn early college credit for scores of 3 or higher on Advanced Placement exams. The individual college or university determines how many, or if, any credits will be granted for the AP exam score. Please contact the individual college or university to see if your AP score will be granted college credit. All students taking Advanced Placement classes will be **REQUIRED** to take the national Advanced Placement exam for that class. There is no cost; however, students who skip the exam will be charged \$93 for each exam.

Students who choose to enroll in these challenging Advanced Placement college courses **will not be removed from these courses once the school year begins.** Because of this, AP students should discuss whether these courses are appropriate for them with their current teachers, their parents and their counselors during programming.

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### **RESEARCH – for Students with 3+ AP or DE classes**

1 credit

Grades 10-12

Students who take 3 or more AP classes are invited to take the research elective that provides a 49 minute class period to receive support and time to work on rigorous assignments. Students will also serve as tutors in subjects such as AVID two to three days per week. This class does not receive any honors or AP points.

### **ART**

#### **AP 2D ART PORTFOLIO**

1 credit

Grades 11-12

*Prerequisite: Drawing 1/2, Portfolio Development Honors Drawing and Teacher Approval. This course satisfies the Fine Arts graduation requirement.*

Students work in a self-directed environment to develop a 5-piece portfolio of work that will be digitally submitted to AP Central during the first week of May. The first part of the portfolio will be comprised of twelve (10) exceptional "Breadth" works that will showcase the student's mastery in a variety of media and artistic techniques. The second part of the portfolio will be made up of twelve (15) sustained investigations or "Inquiry" pieces made up of works representing an in-depth exploration of a particular 2-D design concern.

\*Taking the Portfolio Development Honors class the year prior to AP Drawing is strongly recommended due to the amount of work that is required for the AP Portfolio. Personal supplies required.

### **COMPUTER SCIENCE**

#### **AP COMPUTER SCIENCE PRINCIPLES**

1 credit

Grades 10-12

AP Computer Science Principles is a rigorous, entry-level course that introduces students to the foundations of modern computing. The

course covers a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. The course maintains five core units of study, with a sixth unit devoted almost exclusively to students working on their AP Performance Task projects. The performance task submission deadline is the end of April and the written AP Exam is in May. All students are required to submit performance tasks and take the AP exam. Every student is expected to obtain CIW Internet Business Associate certification.

### **ENGLISH**

#### **AP LANGUAGE & COMPOSITION (AP English 3)**

1 credit

Grade 11

*Prerequisite: Teacher Recommendation and "B" in English Honors 2*

The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text—from a range of disciplines and historical periods. All students enrolled in the course are required to take the semester I exam and the AP Language Arts exam in May.

#### **AP LITERATURE AND COMPOSITION (AP English 4)**

1 credit

Grade 12

*Prerequisite: Teacher Recommendation; "B" in English III Honors or AP English Language*

The AP English Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their

understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

## **MATHEMATICS**

### **AP CALCULUS AB**

1 credit  
Grades 11-12

*Prerequisite: Pre-Calculus with a "B" or better, and Teacher Approval*

AP Calculus AB is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions.

### **AP CALCULUS BC**

1 credit  
Grades 11-12

*Prerequisite: AP Calculus AB and Teacher Approval.*

AP Calculus BC is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions.

### **AP STATISTICS**

1 credit  
Grades 11-12

*Prerequisite: Algebra 2 Honors with a "C" or better and Teacher Approval*

AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions.

## **SCIENCE**

### **AP BIOLOGY**

1 credit  
Grades 10-12

*Prerequisite: Biology Honors with an "A" for both semesters. Chemistry Honors with an A or B. Teacher approval. Co-requisite: Biology 2 Honors*

The purpose of this course is to provide a college level course in the biological sciences and to prepare the student to seek credit and/or appropriate placement in college biology courses. The content will include molecular and cellular biology, heredity and

evolution, organism biology, and population biology. Specific hands-on, quantitative laboratory activities are course requirements including biotechnology. Students are required to take the AP examination. Up to eight college credits can be earned. Students must co-enroll in the companion class Biology 2 Honors.

### **AP CHEMISTRY**

1 credit  
Grades 11-12

*Prerequisite: Chemistry Honors with a B or higher; Teacher Approval.*

*Co-requisite: Chemistry 2 Honors*

The purpose of this course is to provide a college level course in chemistry and to prepare the student to seek credit and/or appropriate placement in college chemistry courses. The content will include structure of matter, states of matter, chemical reactions, equilibrium and kinetics, nuclear chemistry and descriptive chemistry. All students enrolled in Advanced Placement Chemistry are required to take the national Advanced Placement Chemistry examination. This course prepares students for success in college chemistry courses and teaches basic college survival skills. Up to eight college credits can be earned.

### **AP PHYSICS 1**

1 credit  
Grade 11-12

*Pre-Requisite: Algebra 2 Honors with an A or B; teacher approval*

This course is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits.

### **AP ENVIRONMENTAL SCIENCE**

1 credit  
Grades 10-12

*Pre-Requisite: Biology Honors with a B or higher; teacher approval*

*Co-requisite: If 10<sup>th</sup> grade, must be schedule w/Chemistry Honors*

This course is one of the few AP courses available to all grades 10-12. For sophomores it is a great introduction to an AP science course and will prepare students for the other AP science courses offered here at Alonso. It is a great course for juniors and seniors who are heading towards a STEM career and for those who are not. Here at Alonso we have had a phenomenal success rate in this course with the average pass rate on the national exam over the past seven years being 74%. The purpose of this course is to provide students with a college level course in environmental science and to prepare the student to seek credit and/or appropriate placement in a college science program. The content will include but not be limited to current and historic environmental issues such as energy, water, food, air, waste, biodiversity, and human's impact on the ecosystem. Specific laboratory activities are course requirements. All students enrolled in AP Environmental Science are required to that the National AP Environmental Science exam for that year.

**SOCIAL STUDIES****AP WORLD HISTORY**

1 credit  
Grade 10

*Co-requisite: English Honors*

*Prerequisites: AP Human Geography and Teacher recommendation*

This class meets World History requirement for graduation. **This class is taught at the college level.** Pretend that you are Indiana Jones! Visit different places all over the world and investigate the mysteries of ancient and modern civilizations. A.P. World History is a college level course offered through the College Board's Advanced Placement Program. It is designed to help students develop a greater understanding of different societies, civilizations and cultures and the contacts that occurred between them. This course is truly a world history course in the sense that it provides an in-depth historical coverage of East-Asian, SouthAsian and Middle Eastern civilizations as well as an exposure to Western and Latin American civilizations. The chronological period is from 1200 CE to the present. College level reading and writing will be required. Upon completion of this course, students will take the AP exam and have the potential to earn six college credits.

**AP UNITED STATES HISTORY**

1 credit  
Grade 11



*Co-requisite: English 3 Honors or higher*

*Prerequisites: World History Honors or AP World and Teacher Recommendation. This class is taught at the college level. Meets US History requirement for graduation.*

Do rebellions, revolutions and wars interest you? Do you want to know why our country is the way it is today? Then APUSH might be the class for you! AP U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. history course. In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Upon completion of this course, students will take the AP exam and have the potential to earn six college credits.

**AP PSYCHOLOGY**

1 credit  
Grades 10-12



*Prerequisite: Teacher Recommendation.*

WANTED: College bound sophomores, juniors, and seniors with motivation who are looking to finally study something useful! Slackers need not apply! In AP Psychology, we will scientifically study the causes of behavior, and prepare you to deal with the array of personalities you're destined to meet in the future. Students in AP Psychology are most successful when they possess strong reading skills, time management skills, and a well-defined work ethic. **This class is taught at the college level.** All students will take the AP Exam in May and possibly earn 3 college credits at high school prices-- FREE!

**AP MACROECONOMICS/MICROECONOMICS**

1 credit  
Grade 12

*Prerequisite: US History Honors or AP, Teacher Approval; Meets economics requirements for graduation*

These classes are designed to provide students with a complete understanding of how economies work, both at a macro and micro level. The classes will begin with basic economic concepts before exploring both the macro and microeconomic aspects. Within the macroeconomic half of the class, students will cover a wide variety of topics dealing with ways to measure an economies' performance to understanding the role of unemployment, prices and economic growth. The microeconomic half of the class will focus in on the economy at an individual basis. Students will be able to explain the working of supply and demand, the role of factor and product markets and the role of other factors that control our economies. Upon completion of these courses, students will take the AP exams and have the potential to earn six college credits.

**AP HUMAN GEOGRAPHY**

1 credit  
Grades 9-11

*Co-Requisite: English Honors*

*Prerequisite: Teacher Recommendation*

The focus of AP Human Geography is on more than physical geography; this course investigates how the geography of the earth affects human settlement and how human activities change our world. We will explore a number of topics including population, culture, economic land use, urbanization, and globalization. The course is an excellent way to earn college credit and will take what you have learned in previous social studies classes and apply it to the world you live in. You will leave this class with a new appreciation of the world and a "geographic imagination." Upon completion of this course, students will take the AP exam and have the potential to earn three college credits.

**AP US GOVERNMENT**

1/2 credit  
Grade 12



*Co-Requisite English Honors or Higher*

*Prerequisite: World History Honors or American History Honors and Teacher recommendation. This class is taught at the college level.*

Interested in politics? Want to know what rights you really have? This year long course offers students the ability to explore the varying types of governments around the world as well as take an in depth look at the government structure of the US. To become more informed citizens, students will participate in activities to develop an understanding of how political beliefs are formed, the role media plays in politics and the role of politics in government. Upon completion of this course, students will take the AP exam and have the potential to earn three college credits.



**AP EUROPEAN HISTORY**

1 credit

Grades 11-12

*Co-Requisite English Honors or Higher**Prerequisite: World or US History Honors or AP World or AP US History and Teacher Recommendation This class is taught at the college level.*

Want to know how Europe became a key player in the politics of the world today? Have we got a class for you! In this course students will trace the development of Europe from the origins of the European State Systems to the nations today. This **college level course** focuses on the study of European history since 1450. It introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. College reading and writing will be required.

**WORLD LANGUAGE****AP SPANISH LANGUAGE**

1 credit

Grades 11-12

*Prerequisite: Spanish 2 Native Speaker or Spanish 3 Honors;  
Teacher approval*

In this course, students will develop language skills through the analysis and discussion of engaging and culturally relevant texts. Students must think critically about, and express their opinions on contemporary issues in a global context, gaining insights as they compare and contrast Spanish-speaking cultures to their own. The course is conducted entirely in Spanish. All students enrolled in this course are required to take the semester I exam and the Spanish AP Language exam in May.



## TRADITIONAL COURSE OFFERINGS

### AGRICULTURE AND VETERINARY SCIENCES

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Agriculture, Food and Natural Resources career cluster. It provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the agriculture mechanics industry within the Agriculture, Food and Natural Resources career cluster. All students in the Agriculture and Veterinary Sciences Programs are expected to complete industry certification coursework and pass the industry certification exam that is assigned to their program.



### AGRISCIENCE FOUNDATIONS 1

1 credit  
Grades 9-12

*This is an Honors course.*

This course was developed as a core and is designed to develop competencies in the areas of agricultural history; global importance of agriculture; career opportunities; applied scientific and technological concepts; ecosystems; agricultural safety; principles of pest management; principles of animal science; and horticulture. Agriculture shop and land laboratory experiences are incorporated into this course. In combination with the program, the FFA is a student organization that is an integral part of the course and offers students the opportunity to participate in numerous events and competitions at a local and national level that supplement the learning in the classroom.

### TECHNICAL AGRICULTURE OPERATIONS 2

1 credit  
Grades 9-12

*Prerequisite: Agriscience Foundations 1*

This course is designed to develop competencies in the areas of safety; selection of and use of tools; planning and building projects and construction of agricultural structures, including the use of electrical circuits, plumbing, concrete and masonry; and employability skills. The content includes but is not limited to mechanical operations, welding, small engine maintenance and repair, planning, management, finance, technical and production skills, underlying principles of technology, labor issues, community issues, and health, safety, and environmental issues. FFA is the inter-curricular career and technical

student organization for providing leadership training and reinforcing specific career and technical skills.

### TECHNICAL AGRICULTURE OPERATIONS 3-5

1 credit  
Grades 11-12

*Prerequisite: Technical Operations 2 or higher*

These courses are designed to enhance the skills acquired from Operations 2 and include more extensive knowledge of the mechanical operations of equipment used in agriculture. FFA is the inter-curricular career and technical student organization for providing leadership training and reinforcing specific career and technical skills.

### AGRITECHNOLOGY 1

1 credit  
Grades 9-12

*Prerequisite: Agriscience Foundations 1*

This course is designed to develop competencies in the areas of agriscience industry careers; prevention and treatment of livestock diseases; livestock anatomy; wholesale cuts of meat, animal reproduction and identification; animal safety; animal health certification; plant growth; plant fertilization; safe use of pesticides; maintenance of tools and equipment; record keeping; and employability skills. FFA is the inter-curricular career and technical student organization.

### AGRITECHNOLOGY 2

1 credit  
Grades 10-12

*Prerequisite: Agritechnology 1*

This course is designed to develop competencies in the areas of welding; small gasoline engine service and repair; preventative maintenance procedures; irrigation system repair; refrigeration; new and emerging technologies; financial management skills; and employability skills. FFA is the inter-curricular career and technical student organization.

### VETERINARY ASSISTING 1

1 credit  
Grades 9-12

*This is an Honors course.*

This course is designed to develop competencies in areas such as the history of the animal industry; applied scientific and technological concepts; safety; terminology; careers; breed identification; animal care; the socioeconomic role of veterinary sciences; animal behavior; animal restraint; and human relations skills. FFA is the inter-curricular career and technical student organization for providing leadership training and reinforcing specific career and technical skills. Career and Technical Student Organizations provide activities for students as an integral part of the instruction offered. Students are expected to purchase an insurance policy covering accidental injury and liability at an estimated cost of \$21.

**VETERINARY ASSISTING 2**1 credit  
Grades 10-12*Prerequisite: Veterinary Assisting 1.**This is an Honors course.*

This course is designed to develop competencies in areas such as taking vital signs and basic animal first aid; use of veterinary tools and equipment; breed and husbandry practices; identification methods; and functions of physiological systems. FFA is the inter-curricular career and technical student organization for providing leadership training and reinforcing specific career and technical skills. Career and Technical Student Organizations provide activities for students as an integral part of the instruction offered. Students are expected to purchase an insurance policy covering accidental injury and liability at an estimated cost of \$21.

**VETERINARY ASSISTING 3**1 credit  
Grade 11-12*Prerequisite: Must have completed Veterinary Assisting 2.**This is an Honors course.*

This course is designed to develop competencies in areas such as animal digestive systems; animal reproductive systems and breeding; animal control and welfare organizations; preventative medicine; animal population management; animal related laws; employability skills; and breed and husbandry practices. FFA is the inter-curricular career and technical student organization for providing leadership training and reinforcing specific career and technical skills. Career and Technical Student Organizations provide activities for students as an integral part of the instruction offered. Students are expected to purchase an insurance policy covering accidental injury and liability at an estimated cost of \$21.

**VETERINARY ASSISTING 4**1 credit  
Grades 12*Prerequisite: Must have completed up to Veterinary Assisting 3.**This is an Honors course.*

This course is designed to develop competencies in areas such as animal welfare and rights; research; record keeping; sanitation for animal facilities; diagnostic testing and operation of medical equipment; disease and parasites. FFA is the inter-curricular career and technical student organization for providing leadership training and reinforcing specific career and technical skills. Career and Technical Student Organizations provide activities for students as an integral part of the instruction offered. Students are expected to purchase an insurance policy covering accidental injury and liability at an estimated cost of \$21.

**AGRICULTURE AND NATURAL RESOURCES  
DIRECTED STUDIES**1 credit  
Grade 12*Prerequisite: Veterinary Assisting 4*

This course is designed to develop competencies in areas such as grooming, captivity of exotic animals; genetics and biotechnology in reproduction; surgical preparation and assisting; proper use of medical instruments and equipment; and pharmacology. FFA is the inter-curricular career and technical student organization for

providing leadership training and reinforcing specific career and technical skills. Career and Technical Student Organizations provide activities for students as an integral part of the instruction offered. Students are expected to purchase an insurance policy covering accidental injury and liability at an estimated cost of \$21.

**ON THE JOB TRAINING (OJT)**Multiple credits  
Grades 11-12*Co-requisite: Have been or are currently enrolled in a CTE course and are gainfully employed.*

Cooperative Diversified Education (CDE) gives the student an opportunity to gain professional job experience related to a career goal. The purpose of this course is to provide on-the-job training through an elective class that permits a student to be released from the high school campus to work part-time in a job. The student must be compensated for work performed. Students may earn multiple credits in this course. Students enrolled in this course must be employed at the start of the school year (August) and remain employed throughout the school year.

**ARMY JROTC**

Army JROTC (Leadership Education Training) LET I-IV

This program is offered to students from the 9th to 12th grade. Currently two years of JROTC will waive the HOPE requirement. Two years will also waive the Performing/Fine Arts requirement.

There is no requirement to join the military service but graduates who desire to do so after three years of JROTC can enter with the rank of Private First Class (E-2). Special assistance is available for those seeking college scholarship or entry in the military academies.

Junior ROTC is a high school course you take during regular school hours but includes many out-of-classroom activities. Cadets are required to wear the cadet uniform one day per week and meet grooming requirements. We cover the basics of history, government, technology awareness, and current events. We also teach leadership skills and personal skills (how to study, take tests and interview for jobs). We offer extracurricular activities like Drill team, Rifle team, Color Guard and Raider Challenge team. You might even get the chance to go to a JROTC summer camp where you will train on confidence courses, rappelling, and learn land navigation and water safety techniques.

**INTRODUCTION TO LEADERSHIP I**1 credit  
Grade 9-12*Prerequisite: None*

The following units are included in the first year of ROTC: Spirit of American Citizenship, military history, purpose, organization, customs, courtesies, and traditions of the military. Also, leadership traits, principles and styles, techniques of communication, drug abuse prevention, first aid and health, map reading, marksmanship, and physical fitness are taught. Military skills are taught in leadership laboratory style where cadets are in follower or low-level leadership roles. Subjects taught in successive years increase in content and complexity.

**INTERMEDIATE LEADERSHIP II**1 credit  
Grades 10-12*Prerequisite: Introduction to Leadership I*

The second year of ROTC includes the following units: basic management principles/ resources, American citizenship, and techniques of communication, drug abuse prevention, first aid and hygiene, and role of the U.S. Army. Also, physical fitness, American military history, map reading, and technology awareness are taught. Leadership laboratory has cadets operating in middle manager roles.

**APPLIED LEADERSHIP III**1 credit  
Grade 9-12*Prerequisite: Intermediate Leadership II*

The third year of JROTC includes the following units: techniques of communication, American military history and citizenship, first aid, and map reading. Also, the role of US Armed Forces, drug abuse prevention, physical fitness, technology awareness, and career opportunities are presented. Leadership laboratory has cadets functioning in upper management leadership roles.

**ADVANCED LEADERSHIP IV**1 credit  
Grade 11-12*Prerequisite: Applied Leadership III*

The fourth year of JROTC includes the following units: command and staff functions, techniques of communication, physical fitness, drug abuse prevention, and American citizenship. Also, contemporary issues, human relations, and career opportunities are examined. Demonstration problem-solving/decision-making abilities are tested in real-life situations

**ART**

All courses in this section satisfy the Fine Arts graduation requirement.

**2D STUDIO ART**1 credit  
Grades 10-12*Prerequisite: Drawing 1 or Painting 1; Teacher Recommendation*

Students will experiment with the media and techniques used to create a variety of two-dimensional (2-D) artworks through the development of skills in drawing, painting, printmaking, collage, and/or design. Students practice, sketch, and manipulate the structural elements of art to improve mark making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials.

**3D STUDIO ART**1 credit  
Grades 10-12  
\$25.00 fee

The purpose of this course is to give students a basic understanding of three-dimensional art methods, media, techniques and craftsmanship. A sketchbook is required and is part of every

assignment and should be treated with the same respect as the finished product. The content includes, but is not limited to, a basic introduction to different three-dimensional processes from a technical, historical and aesthetic point of view. Design exercises are basic to this course. Examples of high quality work from master craftsmen will be studied, emphasizing the concepts of design and craftsmanship. Students will learn to evaluate their own work. Fabric, fiber, clay, wood or similar media are appropriate for this course. The work must be an expression of the individual's imagination and must exemplify a respect for the limitations of the material.

**DRAWING 1**1 credit  
Grades 9-12

Students experiment with the media and techniques used to create a variety of two-dimensional artworks through the development of skills in drawing. Students practice, sketch, and manipulate the structural elements of art to improve mark making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands on activities and consumption of art materials.

**PAINTING 1**1 credit  
Grades 9-12

The purpose of this course is to introduce students to develop an understanding of various sketching and painting techniques. Students will be given the opportunity to explore painting with watercolors, tempera, and acrylics. This course incorporates hands-on activities and consumption of art materials. Students will create a variety of individual and collaborative works of art through the development of skills in painting. They will gain an understanding of composition, art history, and the importance of the elements and principles of art.

**PORTFOLIO DEVELOPMENT HONORS DRAWING**1 credit  
Grades 10-12*Prerequisite: Drawing 1 & 2; Teacher Recommendation*

Students work in a self-directed environment to develop a portfolio showing a body of their own work that visually explores a particular artistic concern, articulated and supported by a written artist's statement. Artists may work in, but are not limited to, content in drawing, painting, printmaking, and/or mixed media that emphasizes line quality, rendering of form, composition, surface manipulation, and/or illusion of depth. Students regularly reflect on aesthetics and art issues individually and as a group, and focus on expressive content that is progressively more innovative and representative of student's artistic and cognitive growth. In keeping with the rigor expected in an accelerated setting, students' portfolios show personal vision and artistic growth over time, mastery of visual art skills and techniques, and evidence of sophisticated analytical and problem solving skills based on their structural, historical, and cultural knowledge.

**CERAMICS/POTTERY 1**

1 credit  
Grades 9-12  
\$25.00 fee



This course offers students a basic understanding of the ceramic processes, clay construction, surface decorative techniques, and use of ceramic tools. A sketchbook is required as sketches are treated with the same respect as the finished product. Students are required to provide basic supplies.

**CERAMICS/POTTERY 2**

1 credit  
Grades 10-12



*Prerequisite: Ceramics and Pottery 1 or 3D Art*

Students further explore the methods of ceramics and pottery through hand-building, glazing, mold making, and wheel throwing techniques at an advanced level. Projects will include research and development. Craftsmanship and quality will be reflected in the surface and structural qualities of the completed art forms. Students in the ceramics/pottery art studio focus on use of safety procedures for process, media, and techniques. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hand-on activities and consumption of art materials. *A studio fee is required.*

**CERAMICS/POTTERY 3**

1 credit  
Grades 10-12  
\$30.00 Fee



This course offers students an advanced understanding and exploration of ceramics/pottery. Content includes efficient production of functional and decorative design, the formation of larger and more complex pottery, demonstration of efficient skills in methods and techniques with emphasis on use of the potter's wheel and tools, preparation of clay bodies, formulation of glazes, use of kilns and an understanding of firing techniques. A sketchbook is required, is a part of every assignment, and is treated with the same respect as the finished product. Students are required to provide their own plastic bags and paper towels for completion of their projects.

**DIGITAL ART**

1 credit  
Grades 10-12

Students explore the fundamental concepts, terminology, techniques, and applications of digital imaging to create original work. Students produce digital still images through the single or combined use of computers, digital cameras, scanners, photo editing software, drawing and painting software, graphic tablets, printers, new media, and emerging technologies. Through the critique process, students evaluate and respond to their own work and that of their peers to measure artistic growth. This course incorporates hands-on activities, the use of technology, and consumption of art materials. Students will complete industry certification in Adobe products as part of this course.

**AVID**

(Advancement Via Individual Determination)

**AVID 1**

1 credit  
Grade 9

*Prerequisite: Application and Interview required*

For students who have previous experience with AVID, the 9th grade lessons will serve as an opportunity for refinement of AVID skills and application in the high school context. For students new to AVID, the 9th grade progression will expose them to all components of AVID. Students will work on academic and personal goals and communication, adjusting to the high school setting. Students will increase awareness of their personal contributions to their learning, as well as their involvement in their school and community. Students will work in collaborative settings, learning how to participate in collegial discussions and use sources to support their ideas and opinions. Students will prepare for and participate in college entrance and placement exams, while refining study skills and test taking, note taking, and research techniques.

**AVID 2**

1 credit  
Grade 10

During the tenth-grade AVID Elective course, students will refine the AVID strategies to meet their independent needs and learning styles. Students will continue to refine and adjust their academic learning plans and goals, increasing awareness of their actions and behaviors. As students increase the rigorous course load and school/community involvement, they will refine their time management and study skills accordingly. Students will expand their writing portfolio to include analyzing prompts, supporting arguments and claims, character analysis and detailed reflections. Students will also analyze various documents, in order to participate in collaborative discussions and developed leadership skills in those settings. Students will expand their vocabulary use, continuing to prepare for college entrance exams and preparation. Text analysis will focus on specific strategies to understand complex texts. Lastly, students will narrow down their college and careers of interest, based on personal interests and goals.

**AVID 3 – HONORS**

1 credit  
Grade 11

*Prerequisites: AVID 1 or AVID 2*

The eleventh-grade AVID Elective course is the first part in a junior/senior curriculum that focuses on writing and critical thinking expected of first- and second-year college students. In addition to the academic focus of eleventh-grade, there are activities, units, and tasks that should be undertaken during the junior year to support students as they apply to four-year universities and confirm their post-secondary plans.

**AVID 4 – HONORS**

1 credit  
Grade 12

*Prerequisite: AVID 3*

The AVID Elective twelfth-grade course is the second part in a junior/senior course that focuses on writing and critical thinking expected of first- and second-year college students. Students will complete a final research essay project building on knowledge and skills developed in their junior year in AVID. In addition to the academic focus of the AVID senior seminar, there are college-bound activities, methodologies and tasks that should be achieved during the senior year that support students as they apply to four-year universities and confirm their post-secondary plans.

**BUSINESS TECHNOLOGY****DIGITAL INFORMATION TECHNOLOGY****EARN MICROSOFT OFFICE CERTIFICATION**

1 credit  
Grades 9-12

*This course satisfies the Fine Arts graduation requirement.*

This course is designed to provide a basic overview of current business and information systems and trends, and to introduce students to fundamental skills required for today's business and academic environments. Emphasis is placed on developing fundamental computer skills. Digital Information Technology (DIT) includes the exploration and use of databases, the Internet, spreadsheets, presentations, management of personal information, email, word processing and document manipulation, HTML, web page design and the integration of these programs using software that meets industry standards. DIT students continue to AP Computer Science Principles. Students are expected to earn an industry certification in Social Media or Information Technology Fundamentals.

**TELEVISION PRODUCTION 1**

1 credit  
Grades 9 - 12

*This course satisfies the Fine Arts graduation requirement.*

The basics of video production and editing are covered in this class. Students will focus on using Adobe Premier to edit videos and work toward their Adobe Certified Associate certification. They will also focus on using the camera, recording audio and creating videos to be aired on the WSTV Morning Show. Students will work both in front of and behind the camera.

**TELEVISION PRODUCTION 2, 3, 4**

1 credit  
Grades 10-12

*Prerequisite: TV Productions 1 and/or 2 and teacher approval.*

*This course satisfies the Fine Arts graduation requirement.*

These classes teach advanced editing techniques and camera operation. Learn elements of pre- and post- production, multi-camera shoots, and cinematic film creation. Students will produce a studio recorded show and video productions to be included for that show. TV Production 3 and 4 students may also focus on creating short films, many of which can be entered into various film contests.

**MODELING AND SIMULATION FOUNDATIONS**

1 credit  
Grades 9-12

*This course satisfies the Fine Arts graduation requirement.*

This course provides an overview of the development and expansion of the field of Modeling and Simulation and its impact on society and industry. Strategies, processes and methods for conceptualizing modeling and simulation are introduced to serve as a foundation to cultivate interest and introduce technology skills and knowledge necessary for careers in modeling and simulation. Hands-on activities using entry-level Modeling and Simulation development tools are integrated into the curriculum. There will be several project and standards based culminating activities where the student develops and creates multiple visual models and graphics to aide in the development of a professional portfolio.

**MODELING AND SIMULATION DESIGN****EARN ADOBE, ILLUSTRATOR, PREMIER CERTIFICATION**

1 credit  
Grades 10-12

*Prerequisite: M&S Foundations*

*This course satisfies the Fine Arts graduation requirement.*

This course explores the fundamental principles of modeling and simulation design and application including modeling principles, 3D software, photo enhancement, animation development incorporating video and sound techniques, problem analysis, problem solving and its implications for meeting the needs of industry and society. There will be several project and standards based culminating activities where the student develops and creates multiple visual models and graphics to aide in the development of a professional portfolio.

**MODELING AND SIMULATION APPLICATIONS** 

1 Credit  
Grades 10-12

*Prerequisite: Modeling and Simulation Design*

This course focuses on the acquisition of technology skills for rendering a Modeling and Simulation product, including visual simulation and engineering logistics and implementation issues as they relate to Modeling and Simulation products. Hands on activities using an entry-level modeling and simulation developmental tools, Blender, SketchUP and TinkerCAD are just a few examples. Programming development environments like Unity3D are a focus in this course and coding language like C# and Java will be explored and utilized to develop applications and small-scale simulation. The culminating activity is the rendering of a complex 3D simulation Design to aid in the development of a professional portfolio.

**MODELING AND SIMULATION PROTOYPING AND INNOVATION** 

1 Credit  
Grades 11-12

*Prerequisite: Modeling and Simulation Applications*

This course provides students with the extended modeling and simulation content and skills essential for innovating, designing, and producing prototypes. Hands on activities using an entry-level modeling and simulation development tool (i.e. Auto Desk, Solid Works or other comparable software) will be integrated into the curriculum. The culminating activity is the completion of a capstone project to demonstrate competency in the field of modeling and simulation research, design and practice and to aide in the completion of a professional portfolio.

**ACCOUNTING APPLICATIONS 1 HONORS** 

1 credit  
Grades 9-12

This honors level course is an introduction to both business and accounting. The primary purpose is to analyze the accounting cycle, including learning the rules of double-entry accounting, financial statements and basic bookkeeping. The course also covers general business topics including business ownership. Portions of the course are devoted to personal finance topics such as taxes, check writing, budgeting, ethics and workplace skills. The course serves as a great foundation for students looking to pursue any business field.

**ACCOUNTING APPLICATIONS 2, 3 HONORS** 

1 credit  
Grades 10-12

The upper level accounting courses are designed to further the students' understanding of accounting concepts. The course reviews the basic accounting cycle and pushes into more advanced topics including inventory, depreciation, stocks, adjustments and corporate financial statements. Computerized accounting is instituted with focus on spreadsheets and other software when applicable.

**PRINCIPLES OF ENTREPRENEURSHIP**

1 credit  
Grades 9-12

Do you want to own your own business or create your own product? This course provides instruction in the basic principles of entrepreneurship including the role of the entrepreneur, entrepreneurship as a career, ethics in business, and the principles of marketing, financing, and managing a business. Students evaluate business opportunities; competition; advertising; pricing and product creation. Students will pass the Entrepreneurship Certification exam as a component of the course.

**CRIMINAL JUSTICE OPERATIONS**

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Law, Public Safety and Security career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Law, Public Safety and Security career cluster. Students will also be expected to complete the industry certification coursework and pass the industry certification exam that is assigned to the Criminal Justice Program.

**CRIMINAL JUSTICE OPERATIONS 1** 

1 credit  
Grades 9-12

This course is to introduce the student to the history, goals, and career opportunities in the criminal justice profession. It also covers ethics and professionalism, constitutional and criminal laws, court and trial process, juvenile justice system, and the correctional system. Students will also be instructed on personal, interpersonal, and communication skills as well as demonstrate employability skills.

**CRIMINAL JUSTICE OPERATIONS 2** 

1 credit  
Grades 10-12

*Prerequisites: Criminal Justice 1*

This course is to introduce the student to the characteristics and procedures of patrol, complete written reports, and crime prevention programs. Students will also describe guidelines for Use-of-Force, perform CPR/ first aid techniques, and procedures to protect from bloodborne pathogens. Training for Traffic Control Officer and Parking Enforcement Specialist IAW Florida Statute 316.640 will be accomplished

**CRIMINAL JUSTICE OPERATIONS 3** 

1 credit  
Grades 11-12

*Prerequisites: Criminal Justice 1 & 2*

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Law, Public Safety & Security career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Law, Public Safety & Security career cluster.

The purpose of this program is to prepare students for employment as a dispatcher: police, fire, ambulance (SOC 43-5031). The content includes, but is not limited to, ethics and the role of the telecommunicator; standard telecommunication operating procedures; relationship to field personnel; understanding of command levels; typical layouts of message centers; use of performance aids; overview of emergency agencies; functions and terminology; use of correct words and grammar; communications equipment, functions and terminology; types of telecommunication equipment; malfunctions and maintenance agreements; proper and correct telephone and dispatching procedures and techniques; cooperation and reciprocal agreements with other agencies; federal, state, and local communication rules; emergency situations and operating procedures; emergency medical dispatch procedures; employability skills; leadership and human relations skills; and health.

**CRIMINAL JUSTICE OPERATIONS 4** 

1 credit  
Grade 12

*Prerequisites: Criminal Justice 1, 2, & 3*

The purpose of this program is to prepare students for employment as a Private Security Officer and Public Service Aide. The content includes, but is not limited to, legal issues, basic first aid, emergency procedures, ethics and professional conduct, access control, patrol techniques, report writing, interview techniques, fire safety, crime and accident prevention and protection, terrorism awareness, public relations, courtroom procedures, communication skills, and personal protection. This course also introduces the student to the crime scene safety,

conducting criminal investigations, conducting forensic processing, and complete property control procedures.

**ENGLISH AND LANGUAGE ARTS****ENGLISH 1, 2, 3, 4**

1 credit each  
Grades 9-12

These courses provide instruction in English language skills including reading, writing, speaking, and listening in the content areas of literature, grammar, vocabulary and composition.

**ENGLISH HONORS 1, 2, 3, 4**

1 credit each  
Grades 9-12

*Prerequisite: Level 3 or higher on FSA ELA; Teacher Recommendation*

These courses, best suited for college bound students, promote academic excellence in English language arts through enriched experiences in literature, writing, speaking, and listening. Emphasis is placed on higher order thinking skills and activities and will include numerous projects.

**AFRICAN AMERICAN LITERATURE**

.5 credit  
Grades 11-12

The course is a journey through the development of the African American creative voice, spanning the last 80-plus years. Beginning with the poetry and prose of the Harlem Renaissance and ending with the modern grit of the African American rapper, the course will reflect a literary review of how these giants used the same literary tools of other sub-cultures, and added their own "flavor."

**LITERATURE AND THE ARTS I and 2** 

1/2 credit (per class)  
Grades 9-12

*This course satisfies the Fine Arts graduation requirement.* Mythology and Folklore will introduce students to the art and literature of this genre.

**ENGLISH 1, 2, 3, and 4 THROUGH ESOL**

1 credit each  
Grades 9-12

These courses provide integrated educational experiences in the language arts strands of reading, writing, listening, viewing, speaking, language, and literature. The content includes using reading strategies to construct meaning from informative, technical, and literary texts; acquiring an extensive vocabulary through reading, discussion, listening, and systematic word study; using process writing strategies, student inquiry, and self-monitoring techniques; using speaking, listening, and viewing strategies in formal presentations and informal discussions; understanding and responding to a variety of literary forms; understanding and using language successfully to impact readers, writers, listeners, speakers, and viewers.



**ENGLISH LANGUAGE DEVELOPMENT**

1 credit each  
Grades 9-12

The purpose of this course is to enable students who are native speakers of languages other than English to develop proficient listening, speaking, reading and writing skills in the English language. Emphasis will be on acquisition of integrated English communication skills in a wide range of activities and content areas. The content will include vocabulary for formal and informal conversation, reading and writing skills, and integrated communication skills for school and work. This course may be repeated by a student for multiple credits.

**CREATIVE WRITING 1**

1/2 credit  
Grades 9-12

This course develops students' writing and language skills needed for individual expression in literary forms. The content includes instruction in the development and practice of a variety of writing genres like poetry, short stories, and plays.

**CREATIVE WRITING 2**

1/2 credit  
Grades 9-12

This course further develops students' writing and language skills needed for individual expression in literary forms. The content includes instruction in the development and practice of a variety of writing genres like poetry, short stories, and plays.

**JOURNALISM 1**

1 credit  
Grades 9-12

*This course satisfies the Fine Arts graduation requirement.* The purpose of this course is to provide instruction in basic aspects of journalism and workshop experiences in journalistic production. This course supplies the foundation for future courses of study in Newspaper, Yearbook, or TV Production.

**JOURNALISM 2 (Newspaper or Yearbook)**

1 credit  
Grades 10-12

*Prerequisite: Journalism 1 and Teacher Approval* This course provides practical experience in successful news gathering techniques, practice in journalistic writing, news gathering techniques, practice in journalistic writing, and opportunities to explore careers in journalism. The content includes frequent practice in gathering information and in writing news, sports, feature articles, and editorials. Organization and management techniques relating to journalistic productions, including leadership skills, record keeping, time management, utilization of personnel, and task organization is stressed.

**JOURNALISM 3 (Newspaper or Yearbook)**

1 credit  
Grades 11-12

*Prerequisite: Journalism 2 and Teacher Approval* The purpose of this course is to provide intermediate instruction in writing and production skills related to various journalistic media. The content includes instruction and practice in applying all aspects of the writing process, including pre-writing, drafting, editing, and

proofreading, to written work prepared to journalistic standards. Organization and management techniques relating to journalistic productions will be stressed, including leadership skills, record keeping, time management, utilization of personnel, and task organization. Workshop experiences in producing various kinds of journalistic products should provide practice in the development of these skills.

**JOURNALISM 4 (Newspaper or Yearbook)**

1 credit  
Grade 12

*Prerequisite: Journalism 3 and Teacher Approval*

The purpose of this course is to provide advanced instruction in journalistic writing and production techniques. The content includes instruction and practice in applying all aspects of the writing process, including pre-writing, drafting, editing, and proofreading, to written work prepared to journalistic standards. Organization and management techniques relating to journalistic productions will be stressed, including leadership skills, record keeping, time management, utilization of personnel, and task organization. Workshop experiences in producing various kinds of journalistic products should provide practice in the development of these skills.

**WRITING 1**

.5 credit  
Grade 9

*Placement is determined by FSA ELA score.*

The purpose of this course is the development of writing and language skills in a variety of writing formats. These include argumentative, informative, and narrative purposes to ensure preparation for college and career readiness.

**THEATRE****IMPROVISATION 1 AND 2**

1 credit each  
Grades 9-12

*This course satisfies the Fine Arts graduation requirement* Like stand up comedy? Like Sketch Comedy like Saturday Night Live and Whose Line Is It Anyway? If so, this course is for you! Learn to think creatively and off the top of your head. Great class to help you with college and job interviews! No memorization! Learn to think quickly by participating in theatre games and scenarios. This course is for anyone...not just theatre students! Come join the fun while developing important life skills!

**ACTING 1-4**

1 credit each  
Grades 9-12

*This course satisfies the Fine Arts graduation requirement* Students are introduced to the foundations of acting through the use of exercises, assignments, prepared monologue and scene work, production rehearsals and play attendance. After school participation is required for this course.

**MUSICAL THEATRE 1-3**

1 credit each  
Grades 9-12

*This course satisfies the Fine Arts graduation requirement*

Students participate in various aspects of musical theatre, with special attention to the fundamentals of voice production, stage movement, acting, characterization, dance and the technical aspects of a musical production. After school participation is required for this course.

**THEATRE 1-4**

1 credit  
Grades 9-12

*This course satisfies the Fine Arts graduation requirement.*

This course provides in-depth experiences in the study and practice of theatre arts and literature. The content includes an overview of the history of the theatre and literature of the theatre. Students are introduced to the fundamentals of theatre production including scenery construction, costuming, lighting and makeup.

**THEATRICAL DIRECTION & STAGE MANAGEMENT**

1 credit  
Grade 12

*This course satisfies the Fine Arts graduation requirement.*

Students explore playwriting, stage management and directing through participation with several hands-on projects throughout the year. Preparation for college auditions is also a part of this course. Students interested in pursuing a career in the performing arts are strongly suggested to take this course, but it is not a requirement. After school participation is required for this course.

**TECHNICAL THEATRE DESIGN AND PRODUCTION 1-3**

1 credit  
Grades 10-12



This course continues on the themes of theatrical makeup learned in the Costume, Hair, and Makeup D/P CMH course. Level 1 follows the CMH course, with level 2 and 3 in a student's junior and senior year.

**THEATRE, CINEMA AND FILM PRODUCTION**

1 credit  
Grades 10-12

In Theatre, Cinema, and Film Production, a one-credit course, students explore the elements of film and cinematic techniques used by those who create movies. Students study the techniques in film that serve the story and articulate the theme. Students also prepare a comparative for theatre, film, and literature. Public performances may serve as a resource for specific instructional goals. Students may be required to attend or participate in technical work, rehearsals, and/or film production beyond the school day to support, extend, and assess learning in the classroom. Students will demonstrate a basic knowledge of film history, form, and genre, describe the collaborative nature of cinema and the many jobs required to develop a motion picture, Discuss/Describe the

relationship of cinema to society as it relates to his/her perspective, To understand the nature and process of film production, To learn how to read and analyze film as you would a novel, a poem or a short story, To familiarize ourselves with certain theoretical ideas presented by major film theorists, to explore the major aesthetic trends in the history of cinema, To learn how to develop, write and revise workable screenplays, and To gain a greater understanding of the way art works —how it manipulates reality to make a thematic point (political, social, philosophical, sexual, aesthetic, etc.)

**FAMILY AND CONSUMER SCIENCES (FACS)**

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Human Services career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Human Services career cluster.

FAMILY &  
CONSUMER  
SCIENCES



**FACS ESSENTIALS**

1 credit  
Grades 9-12



This yearlong course covers all the “Essential” information students need for life after graduation and all aspects of independence living, specifically: leadership & goal setting, nutrition, meal planning and food preparation, financial literacy (credit, leases, taxes, insurance), employability skills, personal and professional etiquette, clothing care and repair, managing living spaces, positive work and personal relationships, family planning and parental responsibilities.

Students can earn a nationally recognized Industry Certification: ServSafe® Food Protection Manager Certificate, a valuable qualification in the fields of management/foodservice/hospitality/childcare.

**NUTRITION AND FOOD SCIENCE**

1 credit  
Grades 9-12



Tasting and preparing new foods from each food group by learning simple, healthy, & affordable recipes is part of the Nutrition and Wellness adventure. Students explore how their nutritional choices affect their overall health, how to improve current wellness habits and to plan meals within their budget and dietary needs. Students will cover safety and sanitation lessons and can earn a free **ServSafe Food Protection Manager Certificate**, the most important industry certification in the Food Service field.

**MARKETING**

The Marketing, Fashion and Customer Service Representative courses at Alonso are geared to help develop an understanding of the business world of marketing, selling, and advertising. The background knowledge of the foundations and functions of Marketing allows students to grow through hands-on projects. After completing Marketing Essentials, students will be able to pick a concentration in either Fashion or Marketing to complete out the program in both the Applications and Management courses. Students will have the opportunity to be part of the co-curricular international, student organization called DECA. All students in the Marketing, Fashion and Customer Service Representative programs are expected to complete industry certification coursework and pass the industry certification exam that is assigned to their program.

**MARKETING ESSENTIALS**

1 credit  
Grades 9-12



In Marketing Essentials students will learn how to develop marketing and sales plans with the customer in mind. Students will review the marketing environment to learn market segmentation, target marketing, and the marketing mix (product, price, place and promotion). The goal is the identification and delivery of competitive advantages for businesses and customer satisfaction, which is the key to long-term revenue growth, profitability and success. Hands on projects and activities are included in this course. You have the opportunity to be part of the co-curricular international student organization - DECA and work towards an industry certification.

**MARKETING APPLICATIONS**

1 credit  
Grades 10-12



*Prerequisites: Marketing Essentials*

This course is designed to provide students with an in-depth study of marketing in a free enterprise society and includes advertising, promotion, product development and branding, selling and marketing research. This course also includes the uses of technology and the Internet in marketing, purchasing, retail positioning strategies, and e-Commerce marketing. Hands on projects and activities are included in this course. You have the opportunity to be part of the co-curricular international student organization - DECA and work towards an industry certification.

**MARKETING MANAGEMENT**

1 credit  
Grades 11-12



*Prerequisites: Marketing Essentials and Marketing Applications*

This course provides instruction for career-sustaining level of employment in the industry. The content includes applied skills related to marketing functions, employment skills required for success in marketing, and career planning as related to a marketing industry. Hands on projects and activities are included in this course. You have the opportunity to be part of the co-curricular international student organization - DECA and work towards an industry certification.

**FASHION MARKETING ESSENTIALS**

1 credit  
Grades 9-12



The purpose of this course is to prepare students for the fashion marketing or sales industry. Through marketing and advertising promotion concepts you will build a better understanding how “fashion” is promoted. Students will use the concepts of fashion design to create and market a fashion line. Watch your creativity grow by understanding everything that goes into developing a fashion product. This course will also help you develop an understanding of the history of fashion and background knowledge of certain fashion designers. You



**ALGEBRA 2 HONORS**

1 credit

Grades 10-12

*Prerequisite: Geometry Honors*

In Algebra 2 Honors, instructional time will emphasize six areas: (1) developing understanding of the complex number system, including complex numbers as roots of polynomial equations; (2) extending arithmetic operations with algebraic expressions to include polynomial division, radical and rational expressions; (3) graphing and analyzing functions including polynomials, absolute value, radical, rational, exponential and logarithmic; (4) extending systems of equations and inequalities to include non-linear expressions; (5) building functions using compositions, inverses and transformations and (6) developing understanding of probability concepts..

**GEOMETRY**

1 credit

Grades 9-12

*Prerequisite: Algebra 1*

In Geometry, instructional time will emphasize five areas: (1) proving and applying relationships and theorems involving two-dimensional figures using Euclidean geometry and coordinate geometry; (2) establishing congruence and similarity using criteria from Euclidean geometry and using rigid transformations; (3) extending knowledge of geometric measurement to two-dimensional figures and three-dimensional figures; (4) creating and applying equations of circles in the coordinate plane and (5) developing an understanding of right triangle trigonometry.

**GEOMETRY HONORS**

1 credit

Grades 9-10

*Prerequisite: Algebra 1 Honors with a "B" or better*

In Geometry Honors, instructional time will emphasize five areas: (1) proving and applying relationships and theorems involving two-dimensional figures using Euclidean geometry and coordinate geometry; (2) establishing congruence and similarity using criteria from Euclidean geometry and using rigid transformations; (3) extending knowledge of geometric measurement to two-dimensional figures and three-dimensional figures; (4) creating and applying equations of circles in the coordinate plane and (5) developing an understanding of right triangle trigonometry.

**FOUNDATIONAL SKILLS IN MATHEMATICS 9-12**

Grades 9-12

This course supports students who need additional instruction in foundational mathematics skills as it relates to core instruction. Instruction will use explicit, systematic, and sequential approaches to mathematics instruction addressing all strands including number sense & operations, algebraic reasoning, functions, geometric reasoning, and data analysis & probability. Teachers will use the listed benchmarks that correspond to each students' needs. Effective instruction matches instruction to the need of the students in the group and provides multiple opportunities to practice the skill and receive feedback. The additional time allotted for this course is in addition to core instruction.

*Note: this course does NOT satisfy a mathematics credit for graduation.*

**MATH FOR COLLEGE ALGEBRA**

1 Credit

Grades 10-12

In Mathematics for College Algebra, instructional time will emphasize five areas: (1) developing fluency with the Laws of Exponents with numerical and algebraic expressions; (2) extending arithmetic operations with algebraic expressions to include rational and polynomial expressions; (3) solving one-variable exponential, logarithmic, radical and rational equations and interpreting the viability of solutions in real-world contexts; (4) modeling with and applying linear, quadratic, absolute value, exponential, logarithmic and piecewise functions and systems of linear equations and inequalities; (5) extending knowledge of functions to include inverse and composition.

**MATHEMATICS FOR DATA & FINANCIAL LITERACY HONORS**

1 credit

Grades 11-12

In Mathematics for Data and Financial Literacy Honors, instructional time will emphasize five areas: (1) extending knowledge of ratios, proportions and functions to data and financial contexts; (2) developing understanding of basic economic and accounting principles; (3) determining advantages and disadvantages of credit accounts and short- and longterm loans; (4) developing understanding of planning for the future through investments, insurance and retirement plans and (5) extending knowledge of data analysis to create and evaluate reports and to make predictions

**PRE-CALCULUS HONORS**

1 credit

Grades 11-12

*Prerequisite: Algebra 2 Honors with a "B" or better*

In Precalculus Honors, instructional time will emphasize six areas: (1) extending right triangle trigonometry to unit circle trigonometry and trigonometric functions; (2) extending understanding of functions to trigonometric; (3) developing understanding of conic sections; (4) representing and performing operations with complex numbers and vectors in the coordinate plane; (5) extending understanding of relations in the plane using parametric representations, including polar coordinates and (6) analyzing arithmetic and geometric sequences and series.

**PROBABILITY & STATISTICS HONORS**

1 credit

Grades 11-12

*Prerequisite: Algebra 2 Honors with a "B" or better*

In Probability and Statistics Honors, instructional time will emphasize four areas: (1) creating and interpreting data displays for univariate and bivariate categorical and numerical data; (2) comparing and making observations about populations using statistical data, including confidence intervals and hypothesis testing; (3) extending understanding of probability and probability distributions and (4) developing an understanding of methods for collecting statistical data, including randomized trials.

**MUSIC**

All courses in this section satisfy the Fine Arts graduation requirement.

**GUITAR (CLASSICAL)** 


1 credit  
Grades 9-12

The purpose of this class is to provide students with the exposure to classical guitar playing, note reading and musical concepts. This is a beginning course. No experience required. Students will need to provide their own classical or acoustic guitar.

**KEYBOARD 1-4 (PIANO)** 

1 credit  
Grades 9-12

The purpose of this course is to provide instruction in basic piano technique. This class provides sequential instruction for beginners as well as advanced piano students. Students practice daily in a keyboard lab with headphones. Performances take place during class and students are introduced to a number of styles and genres.

**BAND 1** 

1 credit  
Grade 9

*Prerequisite: Middle School Band*


The purpose of this course is to provide students with instruction in the application of musicianship and technical skills through the study of varied band literature. Participation in Marching Band is required. Rehearsals and performances outside of class time are required. There is a fee for this class.

**BAND 2, 3, 4** 

1 credit each  
Grades 10-12

*Prerequisite: Band 1, 2, 3*

These courses provide students with advanced instruction in the application of musicianship and technical skills. Rehearsals and performances (Marching Band) outside of class time are required. Placement in level is based upon successful completion of previous level. There is a fee for this class.

**BAND 5, 6 HONORS** 

1 credit each  
Grades 11-12

*Prerequisite: Completion of Band 1, 2, and Director Approval*

These courses are designed to provide advanced instruction for students who would like to enhance their curriculum in Band III, IV. Upon successfully completing the Honors curriculum the student will receive honors points not available in Band III or IV. Rehearsals and performances (marching band) outside of class time are required. There is a fee for this class.

**JAZZ ENSEMBLE 1, 2, 3, 4** 

1 credit each  
Grades 9-12

*Prerequisite: Band Director Approval/Audition*

*Co-requisite: Enrollment in Band 1, 2, 3, 4, 5, or 6*

The course covers various techniques and styles of contemporary music and jazz literature. Rehearsals and performances outside of class including marching band time, are required. Auditions are held in April/May for drums, piano, guitar and bass for the following year. Auditions for saxophone, trumpet, trombone, and rhythm section will be held at the beginning of the school year.

**INSTRUMENTAL ENSEMBLE 1, 2, 3, and 4** 

1 credit  
Grades 9-12

*Prerequisite: Band Director Approval*

*Co-requisite: Enrollment in Band 1, 2, 3, 4, 5 or 6*

This course is an opportunity for students to expand their musical and playing ability through independent study and small group practice time. Students will be required to perform playing assessments for a weekly grade. They will also be required to prepare and perform a solo on their primary instrument for Solo & Ensemble in the 2nd Semester. All band instrumentation is welcome.

**INSTRUMENTAL TECHNIQUES 1, 2, 3, 4** 

1 credit  
Grades 9-12

*Prerequisite: Middle School Band, Teacher Approval/Audition*

These courses provide students with advanced instruction in the application of musicianship and technical skills for percussionists only. This class provides a performance opportunity for the Alonso Drumline and Front Ensemble during marching season. Rehearsals and performances (Marching Band) outside of class time are required throughout the year. Placement in this course is based upon an audition held the previous year in April/May. There is a fee for this class.

**EURHYTHMICS 1, 2, 3, 4** 

1 credit  
Grades 9-12

*Prerequisite: Audition; Teacher Approval*

The purpose of this course is to enable students to develop basic skills in creating, performing, and evaluating choreographed performances as an independent ensemble and in cooperation with the marching band. Emphasis is placed on dance, equipment manipulation, precision, and the relationship between music and dance. Participation in Marching Band in the fall and Winter Guard in the spring is REQUIRED. Rehearsals and performances outside of class time are REQUIRED.

**ORCHESTRA 1**

1 credit  
Grade 9

No previous pre-requisite is needed! The purpose of this class is to introduce students to playing string instruments (violin, viola, cello, and bass). If students have played, but need a refresher course, this is the class. Students may rent school instruments, if necessary.

A wide scope of instruction and musical awareness will be a part of the course. An emphasis on string instruments will be made. *A fee is required and students will attend rehearsals and performances outside of school hours.*

**ORCHESTRA 2, 3, & 4**

1 credit each  
Grades 10-12

*Prerequisite: Previous level and Director Approval Honors level available for select Juniors and Seniors only*

This course is designed to develop a student's skills in music ensembles on orchestral instruments. A wide scope of instruction and musical awareness will be a part of the course. An emphasis on string instruments will be made. *A fee is required and students will attend rehearsals and performances outside of school hours.*

**ORCHESTRA 5, 6 HONORS**

1 credit  
Grades 11-12

*Prerequisite: Previous level and Director Approval*

These courses are designed to provide advanced instruction for students who would like to enhance their curriculum in Orchestra III, IV. Upon successfully completing the Honors curriculum the student will receive honors points not available in Orchestra III, IV. Rehearsals and performances outside of class time are required. *A fee is required and students will attend rehearsals and performances outside of school hours.*

**CHAMBER ORCHESTRA**

1 credit  
Grades 9-12

*Prerequisite. Audition: Teacher recommendation*

Small String Group of advanced musicians to play serious music from the Baroque and Classical periods. This course represents Alonso's best and performs in various showcase events. Must be enrolled in an Orchestra I II III IV V or VI classes. Students will be selected from Orchestra courses to make up the Chamber Orchestra.

**CHORUS 1**

1 credit  
Grades 9-12

This year long, entry level class, designed for students with little or no choral experience, promotes the enjoyment and appreciation of music through performance of beginning choral repertoire from a variety of times and places. Rehearsals focus on the development of critical listening skills; foundation instrumental technique and skills; music literacy; and ensemble skills; and aesthetic musical awareness culminating in periodic public performances.

**CHORUS 2-4**

1 credit  
Grades 10-12

*Prerequisite: Audition; Minimum one year music (band, chorus, or orchestra); Theory Placement Test; AHS Choral Director Placement Only.*

The purpose of this course is to provide advanced choral singers with the opportunity for high level performances in a vocal ensemble setting through the study of appropriate vocal literature. Performance techniques, music knowledge, critical analysis, and aesthetic responses are emphasized. Rehearsals and performances are required beyond the school day several times throughout the year. Students will be expected to practice outside of class time and to attend all required events. A minimum GPA of 2.0 must be maintained. Materials and uniform are required for this class.

**READING****READING 1**

1 credit  
Grade 9

*Placement is determined by FSA ELA score.*

The purpose of this course is to continue the development of student reading skills. The students will continue development of literal and inferential comprehension skills, critical reading skills, vocabulary enrichment with a strong emphasis on comprehending informational text and using test taking skills.

**SEMANTICS AND LOGIC**

.5 credit  
Grade 9

*Placement is determined by FSA ELA Score.*

The purpose of this course is to continue the development of advanced critical reading skills. This includes knowledge of the principles of language, and how nonfiction authors utilize rhetoric using texts of high complexity as well as advanced studies of language arts to achieve their intended purpose. This course is paired with Writing 1.

**READING 2**

1 credit  
Grade 10

*Placement is determined by FSA ELA score.*

The purpose of this course is to continue the development of student reading skills. The students will continue development of literal and inferential comprehension skills, critical reading skills, vocabulary enrichment with a strong emphasis on comprehending informational text and using test taking skills.

**JUNIOR FSA/SAT PREP**

1 credit  
Grade 11

*Placement is determined by FSA ELA score.*

The purpose of this course is for students to develop literal and inferential comprehension skills, critical reading skills, vocabulary enrichment, study skills, and test taking strategies related to the FSA and SAT.

**SENIOR FSA/ACT PREP**

1 credit  
Grade 12

*Placement is determined by FSA ELA score.* The purpose of this course is for students to develop literal and inferential comprehension skills, critical reading skills, vocabulary enrichment, study skills, and test taking strategies related to the FSA and ACT.

**SCIENCE****ANATOMY AND PHYSIOLOGY REGULAR & HONORS**

1 credit  
Grades 11-12

*Prerequisite: Biology / Bio Hon Honors with a "B," Chem / Chem Honors with a "B"*

The purpose of this course is to provide students with rigorous content and laboratory activities in the structure and functions of the components of the human body. The course content will include a study of anatomical terminology, cells and tissues, systems (skeletal, muscular, nervous, muscular, special sensory organs, endocrine, circulatory, respiratory, digestive and excretory), homeostasis, disease process, immune response, and heredity.

**ASTRONOMY HONORS**

1 credit  
Grades 11-12

*Prerequisite: passed Physical Science*

This course is designed to teach students about a wide range of topics relating to astronomy. It will further students' understanding of our solar system and beyond. Units of study will include: Celestial Sphere (stars and constellations), History of Astronomy, Motion and Gravity, Light and Matter, Telescopes, Big Bang Theory, Galaxies of our Universe, the Sun, Stellar Evolution, Planetary Geology, Planetary Atmospheres, Jovian Systems, Other Objects in our Solar System, Exoplanets, and Space Exploration.

**BIOLOGY**

1 credit  
Grade 10

A practical, applied approach to Biology and Environmental science with appropriate topics Earth Science and the Nature of Science integrated into the course. Laboratories, activities, readings and career information as well as supplemental units will be included. This course satisfies the biological science graduation requirement.

**BIOLOGY I HONORS**

1 credit  
Grades 9-12

*Prerequisite: Physical Sci Honors or equivalent with a "C" or higher*

The purpose of this course is to provide students with advanced exploratory experiences and activities in the fundamental concepts that were introduced in Life Science. The content will include studies in the scientific method, scientific measurement, laboratory safety and use of apparatus, cell biology, cell reproduction, basic principles of genetics, biological changes through time, classification and taxonomy, microbiology, structure and function of plants, structure and function of animals, selected structure and function of the human body, and ecological relationships.

**BIOLOGY 2 HONORS**

1 credit  
10-12

*Co-requisite: AP Biology*

*Prerequisite: Teacher approval*

This is a companion course for students enrolled in A.P. Biology. See: [AP Course Offerings](#) for details.

**CHEMISTRY 1**

1 credit  
Grades 10-12

*Prerequisite: Biology or Physical Science. Passed Algebra 1 EOC*

*Co-requisite: Geometry or higher level math*

The purpose of this course is to lead students through the study of the composition, properties and changes associated with matter. This course is less math-intensive than honors chemistry but still contains a substantial amount of math. The content includes structure of matter, atomic theory, periodic table, bonding, chemical formulas, solutions, chemical reactions, behavior of gases, acids, bases and salts and energy relationships associated with physical and chemical changes.

**CHEMISTRY 1 HONORS**

1 credit  
Grades 10-12

*Prerequisite: Physical Science Honors with a "B" or higher and Biology Honors with a "C" or higher*

*Co-requisite: Algebra II Honors or higher level math*

The purpose of this course is to provide students with numerous laboratory activities that lead students through the study of the composition, properties and changes associated with matter. The content includes structure of matter, atomic theory, periodic table, bonding, chemical formulas, solutions, chemical reactions, behavior of gases, acids, bases and salts and energy relationships associated with physical and chemical changes. Laboratory activities include the use of calculator assisted probes. A benefit of this course is developing problem-solving skills which aid students in college.



**CHEMISTRY 2 HONORS**

1 credit

Grades 11-12

*Co-requisite: AP Chemistry**Pre-requisite: Teacher Approval*

This is a companion course for students enrolled in A.P. Chemistry. See: [AP Course Offerings](#) for details.

**FORENSIC SCIENCE**

1 Credit

11-12

Forensic Science is an upper-class level course which explores the application of science to those criminal and civil laws that are enforced by police agencies in a criminal justice system. It is a comprehensive subject incorporating Biology, Chemistry, Physics, Entomology, Earth Science, Anatomy and Physiology as well as other aspects of science. Major topics include processing a crime scene, collecting and preserving evidence, identifying types of physical evidence, organic and inorganic analysis of evidence, hair, fibers, and paint, toxicology, arson and explosion investigations, serology, DNA, fingerprints, firearms, and document analysis.

**FORENSIC SCIENCE 2**

1 Credit

12

*Prerequisite: Forensic Science 1*

Forensic Science 2 is an upper-class level course which explores the application of science to those criminal and civil laws that are enforced by police agencies in a criminal justice system. In Forensic Science 2, our focus can be boiled down to one essential question: how do we actually *do* forensic science? In Forensics 1, the class was a broad overview of many different topics in the field. This year in Forensics 2, our goal will be to learn how to properly collect each kind of evidence from the scene, perform the right tests based on the type of evidence, and defend the analyses in a court setting. Basically, you will act more like forensic scientists this year!"

**MARINE SCIENCE 1 HONORS**

1 credit

Grades 11-12

*Prerequisite: Passing grade in Chemistry*

The purpose of this course is to provide the student with an overview of the marine environment. The content should include, but not be limited to, the following: the nature of science; the origins of the oceans; the chemical, physical, and geological aspects of the marine environment; ecology of various sea zones; marine communities; the diversity of marine organisms; characteristics of major marine ecosystems; characteristics of major marine phyla/divisions; the interrelationship between man and the ocean.

**MARINE SCIENCE 2 HONORS**

1 credit

Grades 12

*Prerequisite: Marine Science 1 or Marine Science 1 Honors*

While the content focus of this course is consistent with the Marine Science 2 course, students will explore these concepts in greater depth. In general, the academic pace and rigor will be greatly increased for honors level course work. Laboratory investigations

that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the high school level, all students should be in the science lab or field, collecting data every week. School laboratory investigations (labs) are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3). Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data (National Research Council, 2006, p.77; NSTA, 2007)

**MARINE SCIENCE 1 REGULAR**

1 credit

Grades 11-12

*Prerequisite: Passing grade in Chemistry*

This course will cover the same content as the Marine Science Honors class. Pacing will be slower.

**PHYSICS 1**

1 credit

Grades 11-12

*Prerequisite: Passed Algebra 1 EOC; teacher recommendation.*

The purpose of this course is to provide students with an introductory study of the theories and laws governing the interaction of matter, energy, and the forces of nature. The content includes, but is not limited to: kinematics, dynamics, energy, work and power, heat and thermodynamics, wave characteristics, light, electricity magnetism and nuclear physics.

**PHYSICS 1 HONORS**

1 credit

Grades 11-12

*Prerequisite: Geometry Honors with a C or better; teacher recommendation.**Co-requisite: Algebra 2 Honors or higher level math.*

The purpose of this course is to provide students with an introductory study of the theories and laws governing the interaction of matter, energy, and the forces of nature. The content includes, but is not limited to, one and two dimensional kinematics, dynamics, applications of Newton's Laws, energy, work and power, heat and thermodynamics, wave characteristics, physical optics, wave optics, and modern physics (the outer and inner atom).

**ZOOLOGY HONORS**

1 credit



11-12

This course provides an in depth study of the animal kingdom. The content will take the students through each major phylum from Sponges to Mammals. Student will be required to know the scientific names, explore major evolutionary changes, morphology, and key characteristics of representative species.

**APPLIED ENGINEERING AND TECHNOLOGY 1** 

1 credit

Grades 9-12

Applied Engineering and Technology 1 is a course designed to provide students with a foundation of knowledge and technically orientated experiences in the study of applied engineering and its effect upon our lives and the choosing of an occupation. The content and activities will also include the study of entrepreneurship, safety, and leadership skills. The program focuses on transferable skills and stresses understanding and demonstration of the technological tools, machines, instruments, materials, processes, and systems in business and industry.

**APPLIED ENGINEERING AND TECHNOLOGY 2** 

1 credit

Grades 10-12

The purpose of this program is to provide students with a foundation of knowledge and technically oriented experiences in the study of applied engineering and its effect upon our lives and the choosing of an occupation. The content and activities will also include the study of entrepreneurship, safety, and leadership skills. This program focuses on transferable skills and stresses understanding and demonstration of the technological tools, machines, instruments, materials, processes and systems in business and industry.

**ENVIRONMENTAL SCIENCE**

1 credit

Grades 11-12

*Pre-requisite: Passing grade in Biology*

The purpose of this course is to understand the ecological relationships and biological process found in the natural world. We will explore human interactions with these processes to give students a tangible, relevant, and real-world understanding of their role in ecosystems. Topics that will be covered include environmental systems, ecology, biodiversity, human population, urbanization, forestry, agriculture, water resources, mineral resources and mining, the atmosphere, climate change, energy resources, and waste management. It is a comprehensive course with applications in biology, chemistry, and environmental policy.



**SOCIAL STUDIES****AMERICAN GOVERNMENT**

1/2 credit  
Grade 12

This course is dedicated to the study of government institutions and political processes and their historical impact on American society. Content will include the functions and purpose of government, the constitutional framework, functions of the three branches of government at the local, state and national level, and the political decision-making process. Required for high school graduation.

**AMERICAN GOVERNMENT HONORS**

1/2 credit  
Grade 12

*Co-requisite: Economics Honors & English 4 Honors*

This course is dedicated to the study of government institutions and political processes and their historical impact on American society. Content will include the functions and purpose of government, the constitutional framework, functions of the three branches of government at the local, state and national level, and the political decision-making process. As an honors class, students will be expected to comprehend and process information at elevated levels, including analysis of primary and secondary resources, and advanced text comprehension. Students will be expected to maintain high level discussions on current events, the history of the American Government and current and past governmental policies and procedures.

**UNITED STATES HISTORY**

1 credit  
Grade 11

This course is the study of United States history from the beginning of the Civil War to the present day. Students will be exposed to the historical, geographic, political, economic and sociological events which influenced the development of the United States and the resulting impact on world history. Students will be able to clearly see the relationship between historical events and their lives in the United States today. This class has a cumulative End of Course Exam. Required for high school graduation.

**UNITED STATES HISTORY HONORS**

1 credit  
Grade 11

*Co-requisite: English Honors*

*Prerequisite: Teacher recommendation*

This course is the study of United States history from the beginning of the Civil War to the present day. Students will be exposed to the historical, geographic, political, economic and sociological events which influenced the development of the United States and the resulting impact on world history. Students will be able to clearly see the relationship between historical events and their lives in the United States today. As an honors class, students will be expected to comprehend and process information at elevated levels, including analysis of primary and secondary resources, and advanced text comprehension. This class has a cumulative End of Course Exam.

**LAW STUDIES**

1/2 credit  
Grades 10-12  
Semester 1 only

*Co-requisite: Court Procedures*

Why are there laws? What rights do you have? What's the difference between civil and criminal law? What is the difference between a felony and a misdemeanor? Is there a difference between the adult and the juvenile justice system? Do values and morals shape the law? If you would like the answers to these and many more questions, LAW STUDIES is the class for you! This class is the study of the American legal system and those laws which have an impact on citizens' lives and an introduction to fundamental civil and criminal justice procedures. You will learn about the basis for our legal system, civil and criminal law, adult and juvenile courts, family and consumer law, causes and consequences of crime, individual rights and responsibilities, and career opportunities in the legal system.

**COURT PROCEDURES**

1/2 credit  
Grades 10-12  
Semester 2 only

*Prerequisite: Law Studies*

You be the judge-really! Have you ever wondered what it's like to be a judge or attorney, or a juror in a trial? COURT PROCEDURES is your chance to experience these roles firsthand. Students will conduct legal research and mock criminal and civil courtroom trials in the classroom

**HOLOCAUST**

1/2 credit  
Grades 11-12

The Holocaust has touched the hearts, minds and souls of the world. This is the study of examining the horrifying truths of what was behind the actions of Hitler and the Nazis. This class will give you greater insight into the victims, perpetrators and effects that the events of the Holocaust had and continue to have on our society.

**WARS OF THE 20<sup>TH</sup> CENTURY**

1/2 credit  
Grades 10-12

This class covers U.S. involvement in the wars starting with the Spanish American War and ending with the First Gulf War. The main concentration is on the Vietnam War. This class focuses both on the fighting of the war as well as the social and cultural effects of the different wars on the U.S.

**PRE-AP WORLD CULTURE & GEOGRAPHY**

1 credit  
Grade 9

Historians and geographers are investigators. Learning in Pre-AP World History and Geography is designed to be a disciplinary apprenticeship where students participate in the process of discovery. Students will play the role of historian and geographer by practicing the detective skills and using the tools of each field of study. Pre-AP World History and Geography focuses deeply on the concepts and skills that have maximum value for high school, college, careers, and civic life. This course will focus on moves from geography and world regions to developments in world history from the ancient period through c. 1450 CE.

**PSYCHOLOGY 1**

1/2 credit  
Grades 9-12

Have you ever wondered why people behave a certain way? Why do we feel stressed out all the time? What is schizophrenia? What does it mean to have dissociative identity disorder? Who is that guy Freud anyway? Psychology is a study of behavior and mental processes. This class covers topics such as abnormal psychology, personality, research studies, human development, and so much more!

**PSYCHOLOGY 2**

1/2 credit  
Grades 9-12

*Prerequisite: Psychology 1*

Psychology 2 builds upon the knowledge learned in Psychology 1. Students will learn about the brain, and how it functions. Ever wonder why you dream, and what it means? Why are we so emotional? What motivates us to behave and learn? How do we create and store memories? In Psychology 2, we discuss topics such as sensation and perception, learning, social psychology, motivation, emotion, and so much more!

**ECONOMICS**

1/2 credit  
Grade 12

Economics is the study of the concepts and processes of the national and international economic systems. Students will learn about currency, banking, and monetary policy, major economic systems, the global market and economy, major economic theories and economists, the role and influence of the government on the economy, financial and investment markets, and the business cycle. Required for high school graduation.

**ECONOMICS HONORS**

1/2 credit  
Grade 12

*Prerequisite: Teacher recommendation*

Economics is the study of the concepts and processes of the national and international economic systems. Students will learn about currency, banking, and monetary policy, major economic systems, the global market and economy, major economic theories and economists, the role and influence of the government on the economy, financial and investment markets, and the business cycle. As an honors class, students will be expected to comprehend and process information at elevated levels, including analysis of primary and secondary resources, and advanced text comprehension. Required for high school graduation.

**SOCIOLOGY**

1/2 credit  
Grades 9-12

Why do some people fit in and others don't? Do you want to learn about cultures from around the world? Learn what motivates people to follow their peers, pierce their ears, and dance like their friends. In Sociology we will explore a variety of topics related to human behavior and social organization such as diversity, social deviance, and social class. Group discussions and sociology's relevance to everyday life make this class intriguing and fun!

**ANTHROPOLOGY**

1/2 credit  
Grades 9-12

Want to know what it means to be human? This class examines culture as well as fields of study and careers in Anthropology. You will also study early humans, biological anthropology, linguistics, and archaeology.

**WORLD HISTORY**

1 credit  
Grades 10

The purpose of World History is to provide students with the opportunity to acquire an understanding of the chronological development of civilization by examining the political, economic, social, religious, military, dynastic, scientific, and cultural events that affected humanity. *Required for high school graduation.*

**WORLD HISTORY HONORS**

1 credit  
Grades 10

*Prerequisites: Teacher recommendation*

*Co-requisite: English 2 Honors*

**REQUIREMENTS:** Course work will require document analysis and numerous formal essay-writing requirements. These skills are essential for the college bound student. The purpose of World History Honors is to provide students with the opportunity to acquire a comprehensive understanding of the past in terms of what has been interpreted about change or process as it relates to the development of humanity. Analyzing the political, economic, social, religious, military, dynastic, scientific, and cultural events that have shaped and molded humanity does this. Implicit in this is an understanding of interpretation and the issues of external and internal validity.

**WELLNESS - (INCLUDING PHYSICAL EDUCATION, HEALTH AND DRIVER'S EDUCATION)****VOLLEYBALL 1 & 2**

1/2 credit  
Grades 9 -12

The purpose of this course is to enable students to acquire knowledge and skills in volleyball and to maintain or improve health-related fitness. Students will participate in tournament style play throughout the course.

**HOPE - Physical Education Variation**

1 credit  
Grades 9-12

The purpose of this course is to develop and enhance healthy behaviors that influence lifestyle choices. In addition to physical education content, students will receive instruction pertaining to but not limited to: components of physical fitness; designing an exercise program; tobacco, alcohol, and drugs; nutrition and weight management; reproduction, pregnancy, and STDs; infectious and chronic diseases (e.g. heart disease, cancer, and diabetes); decision-making and goal-setting; injury prevention and first aid, including Hands-Only CPR; communication skills and healthy relationships; dating violence; teen human trafficking; mental health, including stress management and suicide prevention. All 9<sup>th</sup> grade students (except IB students) will be assigned this course. It is a graduation required course.

**BASKETBALL 1 & 2**

1/2 credit  
Grades 9-12

The purpose of this course is to enable students to develop knowledge and skills in basketball and to maintain or improve health-related fitness. Students will participate in tournament style play throughout the course (3 on 3, 5 on 5, etc.)

**TEAM SPORTS**

.5 credit  
Grades 9-12

The purpose of this course is to enable students to acquire basic knowledge of team sports play, develop skills in specified team sports (football, basketball, soccer, volleyball, and softball) and maintain or improve health-related fitness. Students will participate in tournament style play throughout the course.

**SOCCER**

1/2 credit  
Grades 9-12

The purpose of this course is to enable students to develop knowledge and skills in soccer and to maintain or improve health-related fitness. Students will participate in tournament style play throughout the course.

**WEIGHT TRAINING 1**

1/2 credit  
Grades 9-12

This course provides opportunities to acquire basic knowledge and skills in weight training that may be used in physical fitness pursuits today as well as later in life, improve muscular strength and endurance, and enhance body image and training.

**WEIGHT TRAINING 2, 3, & Power**

1/2 credit  
Grades 10-12

*Prerequisite: Weight training 1*

The purpose of this course is to enable students to acquire knowledge and skills in weight training, improve muscular strength and endurance, and enhance self-image.

**WRESTLING 1 & 2**

1/2 credit  
Grades 9 – 12

The purpose of this course is to enable students to develop knowledge and skills in wrestling and to maintain or improve health-related fitness.

**CARE AND PREVENTION OF ATHLETIC INJURIES**

1/2 credit  
Grades 10-12

The purpose of this course is to enable students to develop knowledge of the anatomy and physiology related to athletic injuries and skills related to the prevention, care (taping, etc.), and rehabilitation of athletic injuries.

**DRIVER EDUCATION**

1/2 credit  
Grades 9-12

*Prerequisite: Must have parent permission, and corrected vision of at least 20/40.*

Want to learn to drive? Student drivers will be introduced to (Behind the Wheel of Driving) off-street driving practice under the directions of an instructor, the transportation system and strategies that develop driving knowledge and skills related to today's motorized society. This course will also provide an in depth study of the scope and nature of accidents and their solutions. **Eligible students will be given the state permit and driving test for their license.**

**WORLD LANGUAGES****GERMAN 1**

1 credit  
Grades 9-11

This is an introduction to German language and culture with activities and games to learn vocabulary. Students learn to talk mostly about themselves 1st semester and then expand to discuss others/their community 2nd semester. History and cultural celebrations, such as Oktoberfest and other holidays, are a consistent part of our curriculum. We also take several field trips and explore cooking foods from German-speaking areas. Grammar, reading, and writing are regularly incorporated, but Frau Zeliff makes it as engaging as possible with music, puppets, and videos.

**GERMAN 2**

1 credit  
Grades 9–12

*Prerequisite: German 1*

This is an expansion to beginning German. German 1 must be completed prior to registering for German 2. This course includes a review of level 1 and thematic units including topics like shopping, holidays, German cars, and travel. Students learn to make more complex sentences and expand their working vocabulary through activities and games. We also take several field trips and explore cooking foods from German-speaking areas. Grammar, reading, and writing are regularly incorporated, but Frau Zeliff makes it as engaging as possible with music, puppets, and videos.

**GERMAN 3 HONORS**

1 credit  
Grades 10–12

*Prerequisite: German 2 and teacher approval*

This is an intermediate foreign language class with thematic topics around global issues. German 2 must be completed with a B average before taking German 3 Honors. After a thorough review of beginner German skills, students work with broad concepts such as art/graffiti, health, science, fairy tales, technology, and the environment. More authentic resources are used with pictures and vocabulary assistance from Frau Zeliff to make the materials accessible to students coming out of level 2. This course prepares students for the level 4 AP German class and has some longer writing and reading passages, but is again presented with a lot of teacher support. We continue our several field trips and still explore cooking foods from German-speaking areas. Academic films are also used and analyzed several times a year.

**SPANISH 1**

1 credit  
Grades 9-11

This course introduces students to the Spanish language and its culture, and develops communication skills and cross culture understanding. The content includes the 5 World Language Modes of Communication and Intercultural Standards: Interpretative Listening and Reading; Interpersonal Communication; Presentational Speaking and Writing. It is designed to focus on beginning language skills in listening and speaking, with special attention to pronunciation, introduction to reading, writing and the fundamentals of grammar and culture. Because of the basic content of this course, it is not available to Native Speakers of the Spanish language. These students will be assessed for proper placement within the Spanish Native Speakers' classes.

**SPANISH 2**

1 credit  
Grades 9-12

*Prerequisite: Spanish 1*

This course reinforces the fundamental skills acquired by the student in Spanish 1. It will continue to focus on the World Languages' 5 Modes of Communications and Intercultural Standards. The course will expand listening, speaking, reading, and writing skills, as well as cultural awareness. Reading comprehension and writing will receive more emphasis, while oral communication remains the primary objective.

**SPANISH 3 HONORS**

1 credit  
Grades 10-12

*Prerequisite: Spanish 2 or Spanish 2 Native Speaker and teacher approval*

The content of this course is designed for those students who possess previously acquired skills and knowledge of the Spanish language and wish to expand these skills and knowledge to an advanced level. This course emphasizes advanced grammar and focuses on increasing the students' ability to speak, read and write Spanish.

## **CREDIT RECOVERY/GRADE ENHANCEMENT**

The Credit Recovery\*/Grade Enhancement\* program is a computer assisted performance-based program offered to mainstream students who may benefit from some assistance to remain in their appropriate grade level by retaking courses necessary for graduation.

*\*Credit recovery refers to a subject that a student has taken but failed.*

*\*Grade enhancement refers to a subject previously taken where the student earned a "D".*

Candidates must be in their 4<sup>th</sup> year of high school to be considered for this program and must be approved for placement by their guidance counselor. Students must be prepared to work hard for their goals, and be willing to take command of their own education. The program provides a structured positive environment for learning, where academic, career, and technical skills produce successful results.

Students interested in placement in Credit Recovery/Grade Enhancement must see their counselor for consideration.

## **EXCEPTIONAL STUDENT EDUCATION (ESE)**

Alonso High School offers programs for students who receive services for Behavior Disorders, Specific Learning Disabilities, Autism and Intellectual Disabilities in a varying exceptionality model.

Secondary students with disabilities seeking a regular diploma must meet all graduation standards as adopted by the Hillsborough County School Board. Students with disabilities who do not meet these requirements may elect to earn a Florida General Education Diploma (GED) by taking the GED test through the Adult Education Program after reaching age 18.

CO-TEACH is an instructional delivery option in which the general educator and the special educator collaboratively plan lessons, teach lessons, and evaluate student progress in order to meet the needs of all students in the general education classroom. The primary purpose of this model is to expand delivery models of instruction for serving students with a disability in general education classrooms.

## **AUTISM SPECTRUM DISORDER PROGRAMS**

The Autism Spectrum Program emphasizes academics on a functional level based on the Sunshine State Standard Access Points. Areas of specific/individual needs that are addressed are social and affective behaviors, self-help, independent living skills, communication skills, and pre-vocational skills. The philosophy is that a consistent, highly structured environment with community awareness will assist individuals with autism to develop skills leading to a semi-independent or independent life-style.

## **VARYING EXCEPTIONALITIES**

The model provides multisensory instruction, which emphasizes academic growth, organization, study skills, and social development. Teachers offer a variety of instructional approaches and curriculum accommodations according to individual needs. These strategies are presented in various flexible group settings. The primary goal is to promote maximum gains and successful integration of the student within the regular education setting.

## **INTELLECTUAL DISABILITIES**

The purpose of the Intellectual Disabilities (IND) program is to provide academic, physical, social, personal, and career education so the students, to the best of their ability, become independent, fully functioning members of society. Underlying the IND instructional program is a philosophy which functions to guide the educational decisions made on behalf of the students served. The premises which support this philosophy are: students with an IND have a greater need than most students to practice skills, have a basic need for self-worth, and teachers of students with an IND are the key contributors to the comprehensive educational program offerings. These teachers are familiar with the needs of this population and are specially trained to teach these students.

## **CAREER EXPERIENCES**

Multiple credits  
Grades 11-12

*Teacher Approval Required*

This program is designed to enable students in the ESE program to gain valuable employability skills in entry-level training sites through actual work experience in or out of school.

