

# FALCON HIGH SCHOOL

*Program of Studies*

2009-2010

FHS

## Table of Contents

<b>INTRODUCTION .....</b>	<b>4</b>
<b>COURSE DESCRIPTION AND SCHEDULING GUIDE INFORMATION.....</b>	<b>4</b>
<i>Class Size/Availability.....</i>	<i>4</i>
<i>Course Selection.....</i>	<i>4</i>
<b>COUNSELING INFORMATION.....</b>	<b>5</b>
RECLASSIFICATION POLICY FOR FALCON HIGH SCHOOL .....	5
504/IEP .....	5
CSAP.....	5
SUMMER SCHOOL .....	5
ADVANCED PLACEMENT (AP) COURSES.....	5
GRADUATION REQUIREMENTS FOR CLASSES OF 2010 AND BEYOND*.....	6
<i>Credits Earned Outside Falcon High School.....</i>	<i>6</i>
ACADEMIC LETTERING .....	7
NATIONAL HONOR SOCIETY .....	7
VALEDICTORIAN AND SALUTATORIAN SELECTION CRITERIA .....	8
<b>INFORMATION FOR THE COLLEGE BOUND STUDENT .....</b>	<b>9</b>
THE COLLEGE BOUND STUDENT ATHLETE .....	9
FOUR-YEAR .....	10
COLLEGE ADMISSIONS.....	10
<i>Higher Education Admission Requirements (HEAR)....</i>	<i>10</i>
RECOMMENDED COURSE SELECTIONS .....	10
TWO-YEAR COLLEGE ADMISSIONS.....	11
<i>Articulated Courses for Pikes Peak Community College .....</i>	<i>11</i>
REGISTRATION FOR CLASSES 2009-2010 .....	12
<b>COURSES OF STUDY BY DEPARTMENT.....</b>	<b>13</b>
AIR FORCE JUNIOR ROTC (AFJROTC).....	13
<i>MI1001 &amp; MI1002 Aerospace Science - Frontiers of Aviation History/Leadership 1 .....</i>	<i>13</i>
<i>MI2001 &amp; MI2002 Aerospace Science - The Science of Flight/Leadership 2 .....</i>	<i>13</i>
<i>MI3001 &amp; MI3002 Aerospace Science – Exploration of Space/Leadership 3 .....</i>	<i>13</i>
<i>MI4001 &amp; MI4002 Aerospace Science – Aerospace Science (Options) .....</i>	<i>13</i>
<i>MI4011 &amp; MI4012 AFJROTC Drill and Ceremonies .....</i>	<i>14</i>
BUSINESS & CAREER EDUCATION .....	15
<i>BU1000 Introduction to Business.....</i>	<i>15</i>
<i>BU2000 Marketing 1 .....</i>	<i>15</i>
<i>BU2100 Marketing 2 .....</i>	<i>15</i>
<i>BU2200 Business Law.....</i>	<i>15</i>
<i>BU2300 Business Management.....</i>	<i>15</i>
<i>BU2321 Principles of Finance I.....</i>	<i>16</i>
<i>BU2322 Principles of Finance II .....</i>	<i>16</i>
<i>BU2400 Sports and Entertainment Marketing .....</i>	<i>16</i>
<i>BU3200 Accounting 1 .....</i>	<i>16</i>
<i>BU3300 Accounting 2 .....</i>	<i>16</i>
<i>BU2701 &amp; BU2702 ACE I .....</i>	<i>17</i>
<i>BU3501 &amp; BU3502 ACE II.....</i>	<i>17</i>
<i>BU4001 &amp; BU4002 ACE III.....</i>	<i>17</i>

ENGLISH .....	18
<i>EN1001 &amp; EN1002 English I.....</i>	<i>18</i>
<i>EN1901 &amp; EN1902 Honors English I.....</i>	<i>18</i>
<i>EN2001 &amp; EN2002 English II.....</i>	<i>18</i>
<i>EN2901 &amp; EN2902 Honors English II.....</i>	<i>18</i>
<i>EN3001 &amp; EN3002 American Literature III.....</i>	<i>18</i>
<i>EN4911 &amp; EN4912 Advanced Placement English Language and Composition .....</i>	<i>19</i>
<i>EN4011 &amp; EN4012 English Literature .....</i>	<i>19</i>
<i>EN4901 &amp; EN4902 Advanced Placement English Literature and Composition .....</i>	<i>19</i>
<i>EN2200 Broadcasting I.....</i>	<i>19</i>
<i>EN3150 Speech .....</i>	<i>19</i>
<i>EN3550 Mass Media.....</i>	<i>20</i>
<i>EN3700 &amp; EN3701 Creative Writing.....</i>	<i>20</i>
<i>EN2251 &amp; EN2252 Journalism I.....</i>	<i>20</i>
<i>EN4251 &amp; EN4252 Journalism II.....</i>	<i>20</i>
<i>EN2301 &amp; EN2302 Yearbook.....</i>	<i>20</i>
FOREIGN LANGUAGES .....	21
FOREIGN LANGUAGES .....	21
<i>FL1001 &amp; FL1002 French I .....</i>	<i>21</i>
<i>FL2001 &amp; FL2002 French II.....</i>	<i>21</i>
<i>FL3001 &amp; FL3002 French III.....</i>	<i>21</i>
<i>FL3011 &amp; FL3012 French IV.....</i>	<i>21</i>
<i>FL1201 &amp; FL1202 Spanish I .....</i>	<i>21</i>
<i>FL2201 &amp; FL2202 Spanish II.....</i>	<i>22</i>
<i>FL3201 &amp; FL3202 Spanish III.....</i>	<i>22</i>
<i>FL4901 &amp; FL4902 Spanish IV.....</i>	<i>22</i>
<i>FL1101 &amp; FL1102 German I.....</i>	<i>22</i>
<i>FL2101 &amp; FL2102 German II.....</i>	<i>22</i>
<i>FL3301 &amp; FL3302 German III .....</i>	<i>23</i>
<i>FL3311 &amp; FL3312 German IV .....</i>	<i>23</i>
GENERAL AREAS OF STUDENT SERVICES .....	24
GENERAL AREAS OF STUDENT SERVICES .....	24
<i>GA1011 &amp; GA1012 Freshman Seminar.....</i>	<i>24</i>
<i>GA1101 &amp; GA1102 Student Council .....</i>	<i>24</i>
<i>GA2001 &amp; GA2002 Student Aide.....</i>	<i>24</i>
HEALTH CARE ACADEMY.....	25
<i>HA1000 Health II.....</i>	<i>25</i>
<i>HA4010 Health Careers.....</i>	<i>25</i>
<i>EN2121 &amp; EN2122 Legal and Ethical Issues in Health Care .....</i>	<i>25</i>
<i>HA2000 Medical Terminology.....</i>	<i>25</i>
<i>HA2200 Health Occupation/CNA.....</i>	<i>26</i>
<i>HA3000 EMS First Responder.....</i>	<i>26</i>
<i>HA4001 &amp; HA4002 EMT Basic .....</i>	<i>26</i>
INSTRUMENTAL MUSIC.....	27
<i>IM1001 &amp; IM1002 Concert Band.....</i>	<i>27</i>
<i>IM3021 &amp; IM3022 Jazz Band.....</i>	<i>27</i>
<i>IM4001 &amp; IM4002 Symphonic Band .....</i>	<i>27</i>
<i>IM3031 &amp; IM3032 Wind Ensemble .....</i>	<i>27</i>
<i>IM1301 &amp; IM1302 Strings Class .....</i>	<i>27</i>
<i>IM1100 Guitar .....</i>	<i>28</i>
<i>IM1200 Guitar II.....</i>	<i>28</i>
MATH .....	29
<i>MA1001 &amp; MA1002 Algebra I.....</i>	<i>29</i>
<i>MA2101 &amp; MA2102 Geometry .....</i>	<i>29</i>
<i>MA2001 &amp; MA2002 Algebra II.....</i>	<i>29</i>
<i>MA3321 &amp; MA3322 Applied Math: Real World.....</i>	<i>29</i>
<i>MA4931 &amp; MA4932 Math Analysis .....</i>	<i>30</i>
<i>MA3200 Introduction to Statistics.....</i>	<i>30</i>

MA3911 & MA3912 Pre-Calculus .....	30	SO3500 Psychology .....	40
MA3611 & MA3612 Calculus I.....	30	SO3600 Sociology.....	40
MA4901 & MA4902 Advanced Placement Calculus....	31	SO3700 Sociology and Psychology of Sport .....	40
MA4921 & MA4922 Advanced Placement Statistics....	31	SO4911 & SO4912 AP Psychology.....	40
PHYSICAL EDUCATION.....	32	BU2300 & BU2311 AP Macroeconomics.....	40
PE1000 Introduction to PE.....	32	TECHNOLOGY .....	41
PE1600 Aerobics and Exercise .....	32	IT1000 Introduction to Computing .....	42
PE1400 Beginning Personal Training .....	32	IT1100 Advanced Computing.....	42
PE1450 Advanced Personal Training .....	32	IT1200 JavaScript 1/ Visual Basic.....	42
PE1700 Health.....	33	IT2000 Introduction to Networking.....	42
PE1300 Life Long Fitness.....	33	IT2100 Computer Operating Systems.....	42
PE1601 Yoga plus Pilates I .....	33	IT2200 Programming with C++.....	43
PE1550 Women's Personal Training.....	33	IT2300 Web Design I.....	43
PE1650 Nutrition and Weight Training .....	33	IT2400 Web Design II.....	43
PE1200 Team Sports.....	34	IT2500 Web Design III.....	43
PE2300 Athletic Training.....	34	IT2600 MCP Microsoft Certified Professional.....	43
PE2300 Power Lifting.....	34	IT???? Principles of Information Security.....	44
SCIENCE.....	35	IT2610 Guide to Computer Forensics.....	44
SC1001 & SC1002 Biology.....	35	IT???? Gaming Design and Development.....	44
SC2101 & SC2102 Chemistry .....	35	THEATER ARTS.....	45
SC2001 & SC2002 Chemistry in the Community (ChemCom) .....	35	TH1000 Theater I.....	45
SC3211 & SC3212 Physics .....	35	TH1100 Theater II .....	45
SC3111 & SC3112 Anatomy/Physiology.....	36	TH1150 Technical Theater I.....	45
SC3600 Astronomy.....	36	TH1160 Technical Theater II.....	45
SC3630 Genetics .....	36	TH2021 & TH2022 One Act Play .....	45
SC3670 Geology.....	36	VISUAL ARTS .....	46
SC3700 Environmental Science .....	37	AR1100 Beginning Drawing .....	46
SC3751 Epidemiology (Public Health) .....	37	AR1000 Intro to 2D Art.....	46
SC4901 & SC4902 AP Chemistry .....	37	AR1400 Intro to 3D Art.....	46
SC4911 & SC4912 AP Biology .....	37	AR1410 Advanced 3D Art.....	46
SOCIAL STUDIES .....	38	AR1300 Painting.....	47
SO1050 Civics.....	38	AR1200 Ceramics I.....	47
SO1060 Geography.....	38	AR1250 Ceramics II.....	47
SO2001 & SO2002 World History/Geography .....	38	AR1001 & AR1002 Art I.....	47
SO4931 & SO4932 AP World History .....	38	AR2001 & AR2002 Art II.....	47
SO3001 & SO3002 U.S. History .....	38	AR4901 & AR4902 AP Studio Art.....	47
SO3911 & SO3912 AP U.S. History .....	39	VOCAL MUSIC .....	48
SO4000 American Government.....	39	VM1001 & VM1002 Beginning Choir .....	48
SO4901 & SO4902 AP United States Government & Politics.....	39	VM1201 & VM1202 Concert Choir.....	48
SO1060 Geography.....	39	VM2101 & VM2102 Women's Ensemble.....	48
SO3400 Economics.....	39	VM2201 & VM2202 Chamber Choir.....	48
		VM3001 & VM3002 Jazz Choir.....	48

# Introduction

---

The program of studies at Falcon High School is designed to expand the general education experiences of all students and to prepare students for vocations and/or further education after graduation from high school. A high school program should be planned with post-high school objectives in mind. It is important that students plan their high school experience carefully. Assistance is offered through the administrative and guidance offices. This booklet is designed to serve as a planning guide.

Falcon High School does not discriminate on the basis of race, color, national origin, sex, age or handicap in admission or access to, or treatment or employment in its education programs or activities. Inquiries concerning Title VI, Title IX, and Section 504 may be referred to the Assistant Superintendent of Curriculum and Instruction, 10850 E. Woodmen Road, Falcon, CO, 80831, (719) 495-3601 or the Office of Civil Rights, U.S., Department of Education, 1961 Stout Street, Denver, CO, 80294.

## Course Description and Scheduling Guide Information

---

This guide will help you and your parents plan your school program while at Falcon High School. You should review your educational and post-secondary goals with your parents and counselor to develop a program that will help you achieve these goals. Your high school education is the foundation on which you will build your future.

Graduation requirements are designed by the Colorado Commission of Higher Education (CCHE) to give you a balanced program that will help you develop the skills and knowledge necessary to become a well-educated person. To successfully complete graduation requirements, students must complete a wide range of electives in addition to the required core classes. The intention of electives is to help you explore and develop your interests and abilities.

ALTHOUGH YOUR PARENTS AND COUNSELOR ARE AVAILABLE TO HELP YOU IN PLANNING YOUR HIGH SCHOOL CURRICULUM, THE RESPONSIBILITY FOR THIS PLANNING RESTS WITH YOU. You should consider the following:

1. Know how you will meet graduation requirements.
2. Be aware of college entrance or vocational requirements.
3. Plan your entire high school schedule, not just for next year.
4. Before selecting a course check the course description to be sure it fits your needs, interests and abilities.
5. You must have passed all the prerequisites necessary for class enrollments.
6. If in doubt about credits for graduation or college entrance requirements, see your counselor.

### Class Size/Availability

---

Pre-registration is only an indication by a student of his/her desire to take specific classes. While every effort will be made to meet the school-wide demand, some classes may not be available due to budget, staff or facility limitations, or the number of students requesting a class.

### Course Selection

---

Counselors provide registration materials and offer advice on the registration process. Please review this book thoroughly and consult your counselor and teachers on special problems or concerns. Course descriptions accurately reflect course content; therefore, you will be held accountable for your course selections. For these reasons, ***it is extremely important that registration materials are turned in on time and that students seriously consider the exact courses they wish to take in the coming school year.*** Students whose registration materials are turned in late may be unable to enroll in some of their elective choices. The master schedule is based on student requests. ***It will be difficult, if not impossible, to make a schedule change once the master schedule is set.*** Schedule changes will not be considered after the drop/add deadline each semester without administrative approval.

# COUNSELING INFORMATION

---

Counselors are available to assist students in academic, vocational, and personal areas. Each student is assigned a counselor. Students may see their counselor by signing up in the Counseling Center. They should check in with the secretary if it is an urgent matter. Students should recognize the importance of their school transcripts, which records their academic record from 9<sup>th</sup> grade through 12<sup>th</sup> grade. Grades for all classes are counted in their grade point average (GPA) with the exception of Pass/Fail classes. Honors and Advanced Placement (AP) courses are weighted and will be indicated as such on the transcript.

Registration procedures begin the first quarter of spring semester for the following year. Materials are distributed to students by counselors. Students are encouraged to study graduation requirements and course descriptions with their parents, as well as consult with teachers for additional information. Counselors will collect all registration cards and confirm appropriate class selections for graduation requirements.

## Reclassification Policy for Falcon High School

---

Students will be classified according to the number of years they have been in attendance in high school. Students who do not complete enough credits to graduate in May of their original graduation year can be considered candidates for graduation in the year required credits are completed.

## 504/IEP

---

Falcon High School maintains an active role in the identification, evaluation and education of students who are qualified persons with a disability within the guidelines of Section 504 of the Rehabilitation Act of 1973 and/or IDEA 2004.

## CSAP

---

Students who score at the proficient level or better on each of the content areas, Science (10<sup>th</sup> grade only), Mathematics, Reading and Writing will earn ½ elective credit. If a student scores advanced on each of the content areas, Science (10<sup>th</sup> grade only), Mathematics, Reading and Writing he/she will earn 1 elective credit.

## Summer School

---

The High School Summer Program is intended for students who have failed a core course during the regular school year. Courses may not be taken to substitute taking them in the regular school year. **Since the instruction is very focused, student absences may not exceed 3 class periods or credit will be denied due to absence.** Students who have been expelled from any school are not eligible to attend summer school during the time of expulsion. The registration fee is posted in March of the calendar year for each course. Students may take no more than two classes per summer.

## Advanced Placement (AP) Courses

---

Falcon High School participates in the College Board's National Advanced Placement program. The subject areas available are: AP Biology, AP Chemistry, AP Calculus, AP Statistics, AP English Language and Composition, AP English Literature and Composition, AP World History, AP Psychology, AP U.S. History, AP U.S. Government and Politics, and AP Studio Art.

AP courses are the equivalent of introductory college courses. Students who take an AP course are strongly encouraged to take the national examination in May. Students who earn a 3 or above on the AP exam may receive college credit in addition to high school credit. Students are required to take the national examination if they wish to be considered for advanced placement credit at the college level. All AP courses require completion of the summer assignment. To learn more about AP programs and descriptions visit:

<http://www.collegeboard.com/student/testing/ap/reg.html>.

# Graduation Requirements for Classes of 2010 and Beyond\*

---

<b>English</b>	<b>4.0</b>
English 1	1.0
English 2	1.0
English Electives	2.0
<b>Social Studies (Classes of 2010 – 2012 only)*</b>	<b>3.5</b>
American Society	1.0
World History/Geography	1.0
U.S. History	1.0
American Government	0.5
<b>Social Studies (Classes of 2013 and beyond)*</b>	<b>4.0</b>
Civics/Geography	1.0
World History	1.0
U.S. History	1.0
American Government/Economics	1.0
<b>Science</b>	<b>3.0</b>
Biology	1.0
Science Electives	2.0
<b>Mathematics</b>	<b>3.0</b>
Algebra 1 or higher	1.0
Math Electives	2.0
<b>Practical Arts or Foreign Language</b>	<b>2.0</b>
<b>Fine Arts</b>	<b>1.0</b>
<b>Physical Education</b>	<b>1.5</b>
Health	0.5
Physical Education Elective	1.0
<b>Elective Credits (Classes of 2010 – 2012 only)*</b>	<b>9.5</b>
<b>Elective Credits (Classes of 2013 and beyond)*</b>	<b>9</b>
<b>Total Credits for Graduation</b>	<b>27.5</b>

## Credits Earned Outside Falcon High School

---

For transfer students, Falcon High School accepts credits from accredited high schools. Official transcripts must be obtained from those institutions before credit can be officially given. Copies of transcripts may be used for enrollment purposes only. Students transferring to FHS with weighted grades, ie. Honors, AP and IB classes, will maintain the weight assigned to the grade if FHS offers the same or an equivalent course. If the course is not offered by the school, the student will maintain the grade awarded by the previous school for the course but the weight will not transfer.

## Academic Lettering

---

At Falcon High School academic excellence is rewarded with an academic letter. Receiving an academic letter is a three-step process. The following are the requirements for receiving an academic letter.

1. GPA of 3.500. A student must receive a 3.500 GPA or better in a semester to qualify for a certificate, and the following must be a part of the 3.500 GPA.
  - a. To qualify for an academic letter, a student's schedule must include one class from each of the following: Math, Science, English and Social Studies
  - b. Classes are to be taken at Falcon High School. No correspondence course or class taken off campus will be counted toward academic lettering, unless pre-approved.
2. GPA of 3.500 for any semester will earn a certificate. Semesters do not need to be consecutive.
3. The student will receive an academic letter and lamp of knowledge pin upon receiving their third certificate.
4. For each additional certificate earned thereafter students will receive a bar.

Students who transfer to Falcon High School will be recognized for their academic achievement at their previous school in the following manner:

1. Students will be eligible to receive recognition for their achievements at a previous high school upon earning an academic certificate at Falcon High School.
2. Upon receipt of official high school transcripts, counselors will determine the level at which the entering student should be honored based upon the above criteria

## National Honor Society

---

National Honor Society began in 1921 to create an organization that would recognize and encourage academic achievement, while also developing other characteristics essential to citizens in a democracy. These ideals of scholarship, character, service, and leadership remain as relevant today as they were in 1921. Membership in local chapters is an honor bestowed upon a student. Selection for membership is by a faculty committee; based on outstanding scholarship, character, leadership and service. National bylaws require that NHS members be enrolled at the school the previous semester and be in the 10<sup>th</sup>, 11<sup>th</sup> or 12<sup>th</sup> grade. Once selected, members have the responsibility to continue to demonstrate these qualities.

The Falcon High School chapter of the National Honor Society has determined that outstanding achievement in the area of scholarship requires a 3.75 GPA. To meet the service requirement for selection, candidates must have been active in an area of service to the school or community. Each year, according to NHS bylaws, members are required to remain active in the area of service by completing additional individual hours, group hours, and a fundraising project. To graduate with NHS honor cords, a student must be in good standing at the end of their senior year to receive a cord.

Transfer students already having membership in National Honor Society will automatically be accepted into membership at Falcon High School and will be subject to the same established guidelines as current FHS members. Students will be required to meet the criteria of FHS membership within one semester of arrival.

Falcon High School will admit students to NHS during their senior year if they are transfer students with membership from their previous school or during Fall induction. Transfer students must present either a certificate of membership or membership card upon transfer.

## Valedictorian and Salutatorian Selection Criteria

---

1. Students must complete a full senior year at Falcon High School and must be a full-time student enrolled in five (5) or more classes.
2. **No early graduates will qualify.**
3. Students must be enrolled in classes in each of the four core academic areas and/or foreign languages or have exhausted the curricular offerings in those areas.
4. Students must be on track for college endorsement.
5. The student must be in good standing with no major disciplinary and/or attendance infractions.
6. Designation will be based on the student with the highest GPA.

The Valedictorian and Salutatorian will be designated at the end of the third quarter. However, periodic and regular grade checks will be made through the middle of May to assure maintenance of status.



# **Information for the College Bound Student**

---

## **The College Bound Student Athlete**

---

The National Collegiate Athletic Association (NCAA) governs collegiate athletics. An important responsibility of this organization is to determine the eligibility of the college bound student/athlete. High school students who might be interested in participating in athletics at the collegiate level must submit to the NCAA Clearinghouse: a Student Eligibility form, processing fee, copy of their high school transcript and ACT or SAT test scores during their senior year. Certification of eligibility will be determined by three elements, core courses, GPA and ACT/SAT test scores. Core courses are those courses which are college preparatory and found in the English, Math, Science, Social Studies and Foreign Language departments. After making a determination, the Clearinghouse will then notify the student and the college(s) of his/her choice.

For students entering any Division I or II college or university on or after August 1, 2008, your NCAA initial eligibility will be evaluated as described below.

### **DIVISION I 2009 and after**

**16 Core Courses:**  
4 years of English  
3 years of Mathematics  
(Algebra I or higher)  
2 years of Natural or  
Physical Science  
(1 year of lab)  
1 additional year of  
English, Mathematics  
or Natural/Physical Science  
2 years of Social Science  
4 years of additional courses  
from any area above, foreign  
language or non-doctrinal  
religion/philosophy

### **DIVISION II 2009 and after**

**14 Core Courses:**  
3 years of English  
2 years of Mathematics  
(Algebra I or higher)  
2 years of Natural or  
Physical Science  
(1 year of lab)  
1 additional year of  
English, Mathematics  
or Natural/Physical Science  
2 years of Social Science  
3 years of additional courses  
from any area above, foreign  
language or non-doctrinal  
religion/philosophy

For more complete information, please go to [www.ncaa.org](http://www.ncaa.org) or the clearinghouse Web site at [www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net).

If you have questions about NCAA eligibility, please call the NCAA initial-eligibility clearinghouse toll-free at 877-262-1492. You may also call the NCAA at 317-917-6222.

At Falcon High School we recommend that the college bound student athlete enroll in the appropriate courses and pass them with the highest grades possible. In addition, we recommend that the student-athlete work hard at his/her studies to insure the best college preparation and success on the ACT/SAT exams. Student athletes should meet with his/her counselor to begin the registration process.

# Four-Year College Admissions

## Higher Education Admission Requirements (HEAR)

The Colorado Commission on Higher Education (CCHE) oversees admissions standards for Colorado colleges and universities. The Commission has recently established Higher Education Admission Requirements (HEAR) for students who graduate from high school in spring 2008 and later and plan to attend a four-year public college or university in Colorado. Community colleges will continue to offer open admissions; students enrolling in these institutions are not subject to CCHE admissions standards.

HEAR is a combination of courses, primarily in the areas of English, mathematics, natural sciences, and social sciences that students should plan to complete as preparation of entering one of Colorado's four-year public colleges or universities. Many states now have some form of pre-collegiate curriculum structure, either as a requirement to qualify for admission to four-year colleges/universities or as a high school graduation requirement. Beginning with the Class of 2010, the specifics are as follows:

Academic Area	Number of Years
English	4
Mathematics (Algebra I level and higher)	4*
Natural Sciences (two years must be lab-based*)	3
Social Sciences (at least one year of U.S. or world history)	3
Foreign Language (must be same language)	2*
Academic Electives (one of the above mentioned areas)	2*

\*These are different than the minimum graduation requirements for Falcon High School.

Detailed information on admissions standards as well as a guide to HEAR courses is available online at [www.collegeincolorado.org](http://www.collegeincolorado.org). The site also answers frequently asked questions about HEAR and admissions standards.

The CCHE does not review individual high school courses to determine whether or not they meet Colorado's HEAR standards. Local school districts in Colorado oversee their high school curricula and colleges and universities establish their own entrance requirements.

Check individual college publication and Web sites to determine which classes meet their entrance requirements.

## Recommended Course Selections

Students should consider enrolling in the following courses if their goal is to attend a competitive college:

ENGLISH	MATHEMATICS	SCIENCE	SOCIAL STUDIES	FOREIGN LANGUAGE
English 1	Algebra 1	Biology	American Society	4+ years of the same
English 2	Geometry	Chemistry	AP World History	language: Spanish,
AP Eng. Lang.	Algebra 2	Physics	AP U. S. History	French or German
AP English Lit.	Pre- Calculus	AP Chemistry	AP American Gov't	
	AP Calculus	AP Biology	AP Psychology	
	AP Statistics	Anat/Phys		

## Two-Year College Admissions

---

For the most part, the entrance requirements for two-year colleges are to have earned your high school diploma or received your GED within the state of Colorado. Some two-year colleges require the ACT or SAT, and some merely require students to take the college's entrance/placement test.

***Some programs are very competitive; grades, GPA and test scores will be a factors. Also some vocational programs may have a limited number of spaces and students who apply late may not be admitted. It is important to check with the specific college regarding entrance requirements.***

***Please note that admission to some programs may require a higher grade point average and/or specific course work. Early application to these programs is strongly recommended. Admission to a pre-professional program does not assure an admission to the college, major, or professional program.***

## Articulated Courses for Pikes Peak Community College

---

<b>High School Course</b>	<b>PPCC Equivalent Course</b>	<b>Credit</b>
Accounting 1 AND Accounting 2	ACC 101 Accounting Fundamentals	3
Business Math (2 semesters)	MAT 112 Financial Math	3
Marketing Marketing 2 Business Law	MAR 117 Principles of Retailing	3
VOE	BUS 181 Internship	3
Cisco Level 1	CNG 260 Cisco Network Associate, Level I	5
Cisco Level 2	CNG 261 Cisco Network Associate, Level II	5
Cisco Level 3	CNG 262 Cisco Network Associate, Level III	5
Cisco Level 4	CNG 263 Cisco Network Associate, Level IV	5
Introduction to Computing	CIS 118 Introduction to PC Application	3
C++ Programming	CSC 160 Computer Science I: C++	4

### What Is Articulated Credit?

Articulation is a way for high school students to earn college credit as they build career and technical education skills. The credit is transcribed on a Pikes Peak Community College transcript.

### Who May Participate?

High school students who are taking courses in their high school, such as computer applications, computer aided drafting, visual communications, accounting, telecommunications, marketing, computer information systems, machining, automotive, welding, ProStart, early childhood education, Cisco, business, and other career and technical education courses.

A high school student may receive credit if they earn an A or B grade in their high school course(s).

For more information on articulation and Falcon High School visit

<http://www.ppcc.edu/Academics/HighSchoolPrograms/HighschoolArticulation/School.cfm?by=name&Name=Falcon%20High%20School>

# Registration for Classes 2009-2010

---

This booklet is provided to help you select your courses for the 2009-2010 school year and to give you information about the registration process. The final decision concerning which classes students should take is the responsibility of the students and their parents. The counselor's role in this process is to assist the student in the course selection process by providing the student with career information and utilizing the student's interests, abilities and post-secondary plans.

## HOW TO REGISTER FOR CLASSES

1. Read the course descriptions carefully and discuss your choices with your parents, teachers and counselor.
2. Determine your graduation requirement needs and double check your transcript for accuracy.
3. Identify your choices on the **REGISTRATION FORM** and return to counselors. Parent signatures are required on completed registration forms.

## CANCELLATION OF CLASSES

Scheduling conflicts may preclude students from being able to take some courses of their choice. Courses may be cancelled if enrollment or staffing changes do not permit the offering. Other courses may be combined or regrouped depending on the class enrollment.

## SCHEDULE CHANGE POLICY

Schedule changes are made during the first 5 days of each semester only and require an add/drop form which includes a parent signature. Changes are allowed only for the following reasons: an open period or two classes scheduled at the same time; class duplication; or no prerequisite. No changes will occur for the following reasons: requesting a different teacher or lunch period; or you signed up for a course and subsequently changed your mind.

**Seniors** check your graduation requirements carefully before you request a change.

**ADDING A CLASS:** Students must first fill out an add/drop form before adding a class. Classes may be added during the 5 days of each semester only. It is the responsibility of the student to make up all missed work when entering. A new student enrolling to Falcon High does not need approval, but must make up all missed work.

**DROPPING A CLASS:** Students must first fill out an add/drop form before dropping a class. Books and obligations must be submitted to the teacher before the drop is approved.

Courses may be dropped **only during the first five days of the semester without penalty**. After the 5-day period, a student requesting a drop must complete a **Class Drop Form** that includes signatures from counselor, parent, teacher and administrator and may receive a "WF" grade for the semester. This means the "WF" grade will be recorded on the student's official transcript and it will be included in his/her grade point average (GPA). Students dropped from a class for disciplinary reasons will also receive a "WF" grade on their transcripts.

# Courses of Study by Department

---

## Air Force Junior ROTC (AFJROTC)

---

### **MI1001 & MI1002 Aerospace Science - Frontiers of Aviation History/Leadership 1**

Length: 2 semesters total

Credit: ½ per semester

(Elective)

Grade: 9, 10, 11, 12

Prerequisite: None

Fee: \$25.00/year

A history course designed to acquaint the student with the historical development of flight and the role of the military in history. Combined with Leadership 1, Introduction to Air Forces JROTC: Leadership studies related to the academic subject matter with study habits and time management. Additionally, wear of the uniform, Air Force customs and courtesies, and basic drill skills are introduced.

### **MI2001 & MI2002 Aerospace Science - The Science of Flight/Leadership 2**

Length: 2 semesters total

Credit: ½ per semester

(Elective)

Grade: 10, 11, 12

Prerequisite: Aerospace Science 1

Fee: \$25.00/year

A science course designed to acquaint the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. Combined with Leadership 2, Intercommunication Skills: This is a course which stresses communications skills and cadet corps activities.

### **MI3001 & MI3002 Aerospace Science – Exploration of Space/Leadership 3**

Length: 2 semesters total

Credit: ½ per semester

(Elective)

Grade: 11, 12

Prerequisite: Aerospace Science 2

Fee: \$25.00/year

A science course which examines our Earth, the Moon and the planets, the latest advances in space technology, and continuing challenges of space and manned spaceflight. Combined with Leadership 3, Life Skills: Information on how to apply for admission to college or vocational school, how to begin a job search, how to plan finances, and career opportunities available through the federal government, NASA, FAA, and the military.

### **MI4001 & MI4002 Aerospace Science – Aerospace Science (Options)**

Length: 2 semesters total

Credit: ½ per semester

(Elective)

Grade: 12

Prerequisite: Aerospace Science 3

Fee: \$25.00/year

Options: Management of the Cadet Corps, Honors Ground School Program, Laboratory Manual, Geography, Survival, Policy and Organization

Management of the cadet corps allows cadets to manage the entire corps. The honors ground school is the foundation for students interested in receiving a private pilot's license. The laboratory manual contains experiments designed to help students apply scientific concepts and principles discussed in previous JROTC science courses. Geography adds to the basic knowledge of the Earth's surface and the processes that shape the Earth's surface. Survival provides training in skills useful to an individual lost hunting or stranded in a snowstorm. Policy and organization describes the functions of the four branches of service and discusses the presidential administrations from the 1970s to the year 2002.

**Options are offered at the discretion of the Senior Aerospace Science Instructor. Not all options will be offered in a given school term.**

**MI4011 & MI4012 AFJROTC Drill and Ceremonies**

Length: 2 semesters total

Credit: ½ per semester  
(Elective)

Grade: 10, 11, 12

Prerequisite: Concurrent enrollment in  
Aerospace Science 2 or higher

Fee: None

This course will provide exposure to all facets of marching drill, unarmed and armed drill, color guard drill, and military ceremonies per Air Force Manual. Lesson plans and student workbooks have been developed by HQ AFJROTC, Maxwell Air Force Base. The Air Force allows this course to be taught only to currently enrolled Air Force Junior ROTC cadets.

# Business & Career Education

---

## **BU1000 Introduction to Business**

Length: 1 semester

Credit: ½ credit

(Practical Art)

Grade: 9, 10, 11, 12

Prerequisite: None

Fee: None

A one semester overview of the American business environment including the foundations and forms of the business enterprise, ethical and social responsibilities of business; human relations and resource management; union relations; product and pricing decisions; money, banking, and financial management; investing, insurance, and careers in the business world.

## **BU2000 Marketing 1**

Length: 1 semester

Credit: ½ credit

(Practical Art)

Grade: 10, 11, 12

Prerequisite: Introduction to Business

Fee: None

This course will help students gain an understanding of basic functions of business marketing in a free enterprise system. Students will learn about promotion, advertising, selling, career exploration, financing, and basic business operations. An overview of different types of marketing will be explored.

## **BU2100 Marketing 2**

Length: 1 semester

Credit: ½ credit

(Practical Art)

Grade: 10, 11, 12

Prerequisite: Marketing 1

Fee: None

This course is designed to enhance the fundamental marketing skills acquired from Introduction to Marketing. Students will develop marketing plans and projects based on real-life situations. Students will have the opportunity to gain additional insights from local businesses. Collaboration with businesses will occur with help from the Marketing Advisory Board and District 49 School Business Alliance.

## **BU2200 Business Law**

Length: 1 semester

Credit: ½ credit

(Practical Art)

Grade: 10, 11, 12

Prerequisite: Introduction to Business

Fee: None

This course is designed to introduce students to the field of law and how it involves the business community. Students will learn about the court system, basic legal rights and responsibilities, and various areas specific to the business world. A variety of topics will be covered including contracts, purchasing, selling goods and services, consumer rights, business organizations and regulations, and insurance. Students will study case law and argue in a mock trial both sides of an issue decided on by the class.

## **BU2300 Business Management**

Length: 1 semester

Credit: ½ credit

(Practical Art)

Grade: 10, 11, 12

Prerequisite: Marketing 1

Fee: None

This course includes business ownership, marketing, financing, and the general business environment. Students learn about business organizations, human resource management, interpersonal skills, business communications, and the global industry that the business world functions in today.

### **BU2321 Principles of Finance I**

Length: 1 Semester

Credit: ½ credit  
(Practical Art)

Grade: 9, 10, 11, 12

Prerequisite: Introduction to Business  
Fee:

This class provides factual knowledge of financial institutions and the monetary system used in the United States in relation to the global economy. The students in this course will survey the principles and practices of the banking and credit industry in the United States. The students will learn and overview about the major functions of banks and other depository institutions, in-house operation and procedures, central banking through the Federal Reserve System and modern trends in the banking industry. Examines tools and techniques such as capital budgeting, time value of money, analysis of financial statements cost of capital, and risk analysis to analyze business decisions, plans and determine projects and firm value, and evaluate sources of financing.

### **BU2322 Principles of Finance II**

Length: 1 Semester

Credit: ½ credit  
(Practical Art)

Grade: 10, 11, 12

Prerequisite: Principles of Finance I  
Fee:

Principles of Finance II delve more deeply into the financial concepts introduced to students in previous courses. Students explore such key topics as cash flow, the business life cycle and capital. They learn to recognize the legal forms of business organization and grasp the pros and cons of business ownership. Students continue to develop and understanding of profit, and distinguish this measure of business success from the cost and revenue. Students learn about various financial analysis strategies while they evaluate financial documents. They learn the three most common methods by which businesses raise capital.

### **BU2400 Sports and Entertainment Marketing**

Length: 1 Semester

Credit: ½ credit  
(Practical Art)

Grade: 10, 11, 12

Prerequisite: Marketing I  
Fee:

In this course the students will expand their knowledge of basic marketing functions and transfer them into the exciting field of Sports and Entertainment Marketing. We will look at the common myths surrounding promotions and advertising, evaluate strategies used by successful sports and entertainment marketing firms, and examine legal and ethical issues that exist in this industry. We will also explore different career options in the sports and entertainment field.

### **BU3200 Accounting 1**

Length: 1 semester

Credit: ½ credit  
(Practical Art)

Grade: 11, 12

Prerequisite: Introduction to Business  
Fee: None

This course is designed to instruct the students in the basic principles of accounting. Students will learn skills that can be used in business, organizations, and personal record keeping.

### **BU3300 Accounting 2**

Length: 1 semester

Credit: ½ credit  
(Practical Art)

Grade: 11, 12

Prerequisite: Accounting 1  
Fee: None

This course teaches advanced principles of accounting. Introduction to computerized accounting using integrated software. Students learn skills pertaining to business, organizations, and personal record keeping.

**BU2701 & BU2702 ACE I**

Length: 2 semesters  
Credit: ½ per semester  
(Practical Art)

Grade: 10  
Prerequisite:  
Fee: None

This course is a career exploration course which will prepare students in search of employment. Students will be involved with various career exploration activities that include career surveys, job shadowing, mentorships and skills analysis. Skills analysis is meant to identify and understand the job and career for which they are suited. The students will also take part in various other activities as preparations for entering the work force.

**BU3501 & BU3502 ACE II**

Length: 2 semesters  
Credit: ½ per semester + work study  
(Practical Art)

Grade: 11  
Prerequisite: See course description  
Fee: None

This course helps students understand their strengths, interests, learning styles in order to share this information with employers and others to create the support they need to be successful. Students learn the skills necessary for successful job acquisition and retention. Students are required to participate in work based activities though-out the school year, a minimum of 90 hours of work per semester is required. These activities can be either paid or unpaid.

**Prerequisite:** Must enroll in Work-Study for 1, 2, or 3 credits and concurrently be employed.

**Credit:** Students will work in various positions in the community. They may be paid or unpaid. Students must take a minimum of 2 work-studies or 180 hours during the year. Students must have a 70% or better in ACE II to receive credit for the ACE II Work-study.

Credit for cooperative work program is issued as follows:

**BU3511 & BU3512** 1 credit per year – 100 hours worked per semester

**BU3521 & BU3522** 2 credits per year – 200 hours worked per semester

**BU3531 & BU3532** 3 credits per year – 300 hours worked per semester

**NOTE: Student will receive a failing grade upon five or more unexcused absences.**

**Length:** 1 year (students MUST commit to the program for one year)

**BU4001 & BU4002 ACE III**

Length: 2 semesters total  
Credit: ½ per semester + work study  
(Practical Art)

Grade: 12  
Prerequisite: See course description  
Fee: None

This course gives students experience in the world of work through classes and work study experience. Students are given information about various career opportunities as well as access to these careers. Students will learn about the 16 career clusters and opportunities for these careers. Students will also develop an electronic and hard copy portfolio. Students are required to participate in work based activities though-out the school year, a minimum of 90 hours of work per semester is required. These activities can be either paid or unpaid.

**Prerequisite:** Must enroll in Work-Study for 1, 2, or 3 credits and concurrently be employed.

**Credit:** Students will work in various positions in the community. They may be paid or unpaid. Students must take a minimum of 2 work-studies or work 180 hours during the year. Students must have a 70% or better in ACE III to receive credit for the ACE III Work-study.

Credit for cooperative work program is issued as follows:

**BU4511 & BU4512** 1 credit per year – 100 hours worked per semester

**BU4521 & BU4522** 2 credits per year – 200 hours worked per semester

**BU4531 & BU4532** 3 credits per year – 300 hours worked per semester

**NOTE: Student will receive a failing grade upon five or more unexcused absences.**

**Length:** 1 year (students MUST commit to the program for one year)

# English

---

## EN1001 & EN1002 English I

Length: 2 semesters  
Credit: ½ per semester  
*(English Requirement)*

Grade: 9  
Prerequisite: None  
Fee: None

Studies include the various literary genre integrated with composition, grammar, and vocabulary. **This is a required freshman course. NCAA approved.**

## EN1901 & EN1902 Honors English I

Length: 2 semesters  
Credit: ½ per semester  
(English)

Grade: 9  
Prerequisite: None  
Fee: None

Honors English 1 is an accelerated course for freshmen who are capable of an in-depth study of language arts. The course requires that students have a strong background in reading and writing skills and the capability and motivation to complete some independent study. Completion of summer assignment required. **NCAA approved.**

## EN2001 & EN2002 English II

Length: 2 semesters  
Credit: ½ per semester  
*(English Requirement)*

Grade: 10  
Prerequisite: None  
Fee: None

Studies include the various literary genre integrated with composition, grammar and vocabulary. **This is a required sophomore class. NCAA approved.**

## EN2901 & EN2902 Honors English II

Length: 2 semesters  
Credit: ½ per semester  
(English)

Grade: 10  
Prerequisite: None  
Fee: None

Honors English 2 is an accelerated course for sophomores who are capable of an in-depth study of language arts. The course requires that students have a strong background in reading and writing skills and the capability and motivation to complete some independent study. Completion of summer assignment required. **NCAA approved.**

## EN3001 & EN3002 American Literature III

Length: 2 semesters  
Credit: ½ per semester  
(English)

Grade: 11  
Prerequisite: English II  
Fee: None

This is a junior level course and is the recommended English class for the college bound student. Elements of this course will include American literature, composition, vocabulary development, and research study. **NCAA approved.**

### **EN4911 & EN4912 Advanced Placement English Language and Composition**

Length: 2 Semesters total  
Credit: ½ per semester  
(English)

Grade: 11  
Prerequisite: English II  
Fee: \$86.00 for AP Exam

AP English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. This accelerated course necessitates a high level of daily preparedness and independent study. Completion of summer assignment required. **NCAA approved.**

### **EN4011 & EN4012 English Literature**

Length: 2 semesters  
Credit: ½ per semester  
(English)

Grade: 12  
Prerequisite: American Literature III  
Fee: None

This course presents a chronological study of English literature and is the recommended English class for the college bound student. Content of this course will include English literature, essay development, research study, and vocabulary skills. **NCAA approved.**

### **EN4901 & EN4902 Advanced Placement English Literature and Composition**

Length: 2 semesters  
Credit: ½ per semester  
(English)

Grade: 12  
Prerequisite: American Literature III  
Fee: \$86.00 for AP Exam

AP English is an accelerated course for students who are dedicated to an in-depth study of English literature. The course is conducted in a seminar format, which necessitates a high level of daily preparedness and independent study. Completion of summer assignment required. **NCAA approved.**

### **EN2200 Broadcasting I**

Length: 1 semester  
Credit: ½ per semester  
**(Elective credit only)**

Grade: 10, 11, 12  
Prerequisite: None  
Fee: None

This is an introductory course on broadcasting journalism dealing with television news writing, story selection, basic reporting and objectivity in the news. This course includes some video production.

### **EN3150 Speech**

Length: 1 semester  
Credit: ½ credit  
(English)

Grade: 11, 12  
Prerequisite: English II  
Fee: None

This course introduces students to theories and practices of oral communication including verbal and non-verbal communication, oral interpretation, original oratory, extemporaneous, and impromptu speaking styles. Though the class focuses on the spoken word, reading and writing assignments are required of this course as well. **NCAA approved.**

### **EN3550 Mass Media**

Length: 1 semester  
Credit: ½ credit  
(English)

Grade: 10, 11, 12  
Prerequisite: English I  
Fee: None

This course presents a study of various communication areas: film, television, newspaper, periodicals/magazines, and the Internet. The course will consider the impacts and the effects of the media on our society and the individual. The course provides an opportunity to study varied aspects of our culture.

**NCAA approved.**

### **EN3700 & EN3701 Creative Writing**

Length: 2 semesters  
Credit: ½ credit per semester  
(English)

Grade: 10, 11, 12  
Prerequisite: English I  
Fee: None

The student will explore various creative writing forms such as poetry, short stories, nonfiction, and dramatic scripts. In addition, students will share writing with classmates and will submit manuscripts for contests.

**NCAA approved.**

### **EN2251 & EN2252 Journalism I**

### **EN4251 & EN4252 Journalism II**

Length: 2 semesters  
Credit: ½ per semester  
**(Elective credit only)**

Grade: 10, 11, 12  
Prerequisite: C or better in current English class  
Fee: none

This combined course teaches the intricacies of working on a newspaper. Students will learn how to write in various news genres, and will be responsible for production of *The Talon*. Students must be able to meet rigorous deadlines, work well both independently and in a group setting and possess above average writing skills.

### **EN2301 & EN2302 Yearbook**

Length: 2 semesters  
Credit: ½ per semester  
**(Elective credit only)**

Grade: 10, 11, 12  
Prerequisite: **Application Process**  
Fee: None

Yearbook is a year-long course in which students are responsible for the marketing and production of the high school yearbook. Students must be able to meet deadlines, sell advertising, and work well independently or with a group. Good writing skills are necessary; some photography experience and good computer skills are very beneficial. After applications are reviewed students will be contacted if they are selected.

# Foreign Languages

---

Students planning to enroll in a 4-year college/university are strongly encouraged to take three years of the same foreign language.

## FL1001 & FL1002 French I

Length: 2 semesters  
Credit: ½ per semester  
(Practical Art)

Grade: 9, 10, 11, 12  
Prerequisite: None  
Fee: \$11.00 Workbook

This course introduces students to the French language. Four basic areas of instructional emphasis comprise the course format: listening, speaking, reading and writing. Emphasis on oral work and daily participation is important. Students will be exposed to some cultural studies involving geography, history, and literature where applicable. **NCAA approved.**

## FL2001 & FL2002 French II

Length: 2 semesters  
Credit: ½ per semester  
(Practical Art)

Grade: 10, 11, 12  
Prerequisite: French I  
Fee: \$12.00 Workbook

This course allows student to continue language study in the four basis areas of emphasis (listening, speaking, reading and writing), to develop more fluency in conversation, and to learn more in the area of cultural studies. **NCAA approved.**

## FL3001 & FL3002 French III

Length: 2 semesters  
Credit: ½ per semester  
(Practical Art)

Grade: 11, 12  
Prerequisite: French II  
Fee: \$12.00 Workbook

Student use more oral French in this class. Allows students to read more advanced stories and study advanced vocabulary and grammar. Practice in composition, translation and conversation, as well as some study in geography, history, current events, literature and culture. Students are expected to do more independent work. **NCAA approved.**

## FL3011 & FL3012 French IV

Length: 2 semesters  
Credit: ½ per semester  
(Practical Art)

Grade: 12  
Prerequisite: French III  
Fee: \$12 Workbook

This course allows the student to improve his/her ability to speak, read, write and understand French. The course will concentrate on improving pronunciation and fluency of spoken French. Authentic French literature, art and plays will be used to inspire speech. The students will continue to study the French history and culture but now they will study them in the French language. Students choosing to take this course should be prepared to make a concentrated effort to speak French only in class. **NCAA approved.**

## FL1201 & FL1202 Spanish I

Length: 2 semesters  
Credit: ½ per semester  
(Practical Art)

Grade: 9, 10, 11, 12  
Prerequisite: None  
Fee: \$11.00 Workbook

This course is an introduction to the Spanish language specifically to four basic areas of instructional emphasis: listening, speaking, reading and writing. Students will be exposed to some cultural studies involving geography, history, and literature where applicable. **NCAA approved.**

### **FL2201 & FL2202 Spanish II**

Length: 2 semesters  
Credit: ½ per semester  
(Practical Art)

Grade: 9, 10, 11, 12  
Prerequisite: Spanish I  
Fee: \$12.00 Workbook

This course is a semi-immersion class allowing students to continue language study in the four basic areas of emphasis (listening, speaking, reading and writing) to develop more fluency in conversation, to learn more in the area of cultural studies and to prepare more in reading for literature. **STUDENTS ARE REQUIRED TO HAVE THEIR OWN SPANISH-ENGLISH DICTIONARY. NCAA approved.**

### **FL3201 & FL3202 Spanish III**

Length: 2 semesters  
Credit: ½ per semester  
(Practical Art)

Grade: 10, 11, 12  
Prerequisite: Spanish II  
Fee: \$12.00 Workbook

Conducted mostly in Spanish, this course allows students to read more stories and review previously learned and more advanced vocabulary and grammar. Practice in composition, translation and conversation, as well as study in geography, history, current events, literature and culture. **STUDENTS ARE REQUIRED TO HAVE THEIR OWN SPANISH-ENGLISH DICTIONARY. NCAA approved.**

### **FL4901 & FL4902 Spanish IV**

Length: 2 semesters  
Credit: ½ per semester  
(Practical Art)

Grade: 11, 12  
Prerequisite: Spanish III  
Fee: \$14.00 Workbook

This course reflects our commitment to a student-centered, communicative, proficiency based language learning environment. Students will be presented with a wide variety of literature and authentic language in context. This course addresses the four basic language skills; reading, writing, listening, and speaking. **NCAA approved.**

### **FL1101 & FL1102 German I**

Length: 2 semesters  
Credit: ½ per semester  
(Practical Art)

Grade: 9, 10, 11, 12  
Prerequisite: None  
Fee: \$11.00 Workbook

This course is an introduction to the German language specifically to four basic areas of instructional emphasis: listening, speaking, reading and writing. Students will be exposed to some cultural studies involving geography, history and literature where applicable. **NCAA approved.**

### **FL2101 & FL2102 German II**

Length: 2 semesters  
Credit: ½ per semester  
(Practical Art)

Grade: 10, 11, 12  
Prerequisite: German I  
Fee: \$12.00 Workbook

German II is a continuation course geared toward exploring the concepts of the German language. This includes but is not limited to grammar, culture, history, listening, speaking, reading and writing. The course is a semi-immersion format which should provide a basic ability to converse and develop fluency. **NCAA approved.**

**FL3301 & FL3302 German III**

Length: 2 semesters  
Credit: ½ per semester  
(Practical Art)

Grade: 11,12  
Prerequisite: German II  
Fee: \$12.00 Workbook

Conducted mostly in German, this course allows students to study the language more in depth, review previously learned materials and develop more advanced vocabulary and grammar. Practice in composition, translation and conversation, as well as study in geography, history, current events, literature and culture. STUDENTS ARE REQUIRED TO HAVE THEIR OWN GERMAN-ENGLISH DICTIONARY. **NCAA approved.**

**FL3311 & FL3312 German IV**

Length: 2 semesters  
Credit: ½ per semester  
(Practical Art)

Grade: 12  
Prerequisite: German III  
Fee: \$12.00 Workbook

Conducted completely in German, this course allows students to student the language in more depth, review previously learned materials and develop more advance vocabulary, grammar, reading and communication skills. STUDENTS ARE REQUIRED TO HAVE THEIR OWN GERMAN-ENGLISH DICTIONARY. A verb book is also highly recommended. **NCAA approved.**

# **General Areas of Student Services**

---

## **GA1001 & GA1002 Academic Advisory**

Length: 1 semester  
Credit: **NONE**

Grade: 11, 12  
Prerequisite: Current on Credits for Graduation  
Fee: None

This is a silent study hall to be used for studying and completing homework.

## **GA1011 & GA1012 Freshman Seminar**

Length: 2 semesters total  
Credit: ½ per semester  
(Elective)

Grade: 9  
Prerequisite: None  
Fee: None

This **required course for incoming freshmen** is offered the entire year to give students the necessary skills and knowledge of what will be expected of them socially and academically as they move through the curriculum toward graduation. Students will practice the study skills, time management skills, social skills, and human relation skills they need in everyday life and in their major academic subjects.

## **GA1101 & GA1102 Student Council**

Length: 2 semesters total  
Credit: ½ per semester  
(Elective)

Grade: 9, 10, 11, 12  
Prerequisite: **Application process**  
Fee: \$15.00

**This course is required for elected representatives to Student Council** in grades 9-12. Students will learn how to conduct meetings, speak in public, delegate responsibility, and organize programs and activities. This is a one-year class with different requirements depending on how many years the student has been on Student Council. Students must maintain a **3.5 GPA** to remain on the Council. After applications are reviewed students will be contacted if they are selected.

## **GA2001 & GA2002 Student Aide**

Length: 2 semesters total  
Credit: ½ per semester  
(Elective)

Grade: 11,12  
Prerequisite: **Application process**  
Fee: None

Student aides perform vital functions in a library, administrative office or counseling office setting only. By the same token, student aides gather insight and knowledge about practical functioning of the school as both an educational institution and as an operating business. While staff receives substantial assistance from student aides, there are areas of responsibility to which aides do not have access: files and file cabinets, grade books, confidential student and staff records, supervisory duties, instructional duties, and/or fiduciary obligations.

**The following guidelines must be met throughout a student's high school career in order to be considered:**

- **Minimum cumulative GPA of 2.8**
- **No more than 3 absences per semester, to exclude doctor's notes**
- **Zero discipline referrals**

Students will be required to complete an application and obtain 2 teacher recommendations. After applications are reviewed students will be contacted if they are selected.

# Health Care Academy

---

Academy of Health Science students should adhere to the following track:

<u>9<sup>th</sup></u>	<u>10<sup>th</sup></u>	<u>11<sup>th</sup></u>	<u>12<sup>th</sup></u>
<b>Health Health II</b>	<b>Health Careers</b>	<b>Medical Terminology Legal/Ethical Issues Health Occupation/CNA EMS First Responder</b>	<b>EMT Basic</b>

## HA1000 Health II

Length: 1 semester  
Credit: ½ credit  
(Elective)

Grade: 9, 10  
Prerequisites: Health  
Fee: None

This course addresses family & social health, growth & development, communicable & chronic diseases, consumer and community health, and environmental health. An introduction of professional organizations with the intent of explaining the various health occupations today will be discussed. Upon successful completion of this course, students will: (1) have knowledge of basic health content areas; (2) comprehend concepts to health promotion and disease prevention; (3) be exposed to the various health occupations today.

## HA4010 Health Careers

Length: 1 Semester  
Credit: ½ credit

Grade: 10, 11, 12  
Prerequisite: Health II

This is a course for students considering a career in health. The students will explore different healthcare occupations and their settings. Employability skills will be introduced using a variety of applications.

## EN2121 & EN2122 Legal and Ethical Issues in Health Care

Length: 1 semester  
Credit: ½ credit  
(Elective)

Grade: 11, 12  
Prerequisite: **Health Academy Students ONLY**  
Fee: None

This class is not designed for any one opinion to be the dominant opinion, rather, all students will be taught how to research, debate/convey opinions with facts, and they will learn to agree to disagree on issues. Some concepts covered will include hormones in the food we eat, child abuse, emotional/physical impact of loss of limb due to war, having a child to help another child live, euthanasia, medical decisions, etc. **Pending NCAA approval.**

## HA2000 Medical Terminology

Length: 1 semester  
Credit: ½ credit  
(Elective)

Grade: 11, 12  
Prerequisite: **Health Academy Students ONLY**  
Fee: \$68.00

This course will introduce the student to the structure of medical terms with emphasis on combining and the most common prefixes, roots, and suffixes. Includes terms related to major body systems. Classroom structure provides accepted pronunciation of terms and their use in the healthcare setting.

### HA2200 Health Occupation/CNA

Length: 1 Semester

Credit: ½ credit

(Elective)

Grade: 11, 12

Prerequisites: **Medical Terminology, Teacher Interview and AHA Healthcare Provider or Red Cross Professional Rescuer CPR Certification current through May 2010**

Fee: \$56.00

This course prepares the student to perform the fundamental skills of a nurse's aide. The basic nursing skills, restorative services, personal care skills, safety, and emergency care issues are covered in theory and lab. The student will learn skills that address mental health needs as well as patient/resident/client rights. **This is a college level course taught in conjunction with Pikes Peak Community College and requires a financial obligation contract be signed by parents.** Students will have the opportunity to do a summer clinical in June, working 60 hours in a health care facility with a clinical instructor.

### HA3000 EMS First Responder

Length: 1 Semester

Credit: ½ credit

(Elective)

Grade: 11, 12

Prerequisites: **Medical Terminology, Teacher Interview and AHA Healthcare Provider or Red Cross Professional Rescuer CPR Certification current through May 2010**

Fee: TBD

Provides the student with core knowledge and skills to function in the capacity of a first responder arriving at the scene of an emergency, providing supportive care until advanced EMS help arrives. For students who would like to take EMT Basic in their senior year this is a class should be taken as preparation for such. **This is a college level course taught in conjunction with Pikes Peak Community College and requires a financial obligation contract be signed by parents. Grading is assessed on a college scale; therefore students must earn an 80% or better to pass the class.**

### HA4001 & HA4002 EMT Basic

Length: 2 semesters

Credit: ½ per semester

(Elective)

Grade: 12

Prerequisites: **Medical Terminology, Teacher Interview and AHA Healthcare Provider or Red Cross Professional Rescuer CPR Certification current though May 2009**

Fee: \$56.00

This course enables the student after successful completion of the course to take the EMT Certification Examination subject to the requirements of the Colorado Department of Health and Environment. Includes written and practical examinations. **Students must turn 18 years of age by the end of June of their senior year in order to take the course.** The clinical for this class is done individually during the spring semester. **This is a college level course taught in conjunction with Pikes Peak Community College and requires a financial obligation contract be signed by parents. Grading is assessed on a college scale; therefore students must earn an 80% or better to pass the class.**

# Instrumental Music

---

## **IM1001 & IM1002 Concert Band**

Length: 2 semesters  
Credit: ½ per semester  
(Fine Arts)

Grade: 9, 10, 11, 12  
Prerequisite: None  
Fee: \$25.00

This course is designed to offer the beginning or intermediate music instrumentalist a variety of musical experiences. Required performances include, but are not limited to concerts, solo and ensemble contests, large group contest, school functions and public events.

## **IM3021 & IM3022 Jazz Band**

Length: 2 semesters  
Credit: ½ per semester  
(Fine Arts)

Grade: 9, 10, 11, 12  
Prerequisite: Audition  
Fee: \$25.00

This course is designed for the clearly advanced instrumental musician who wants to learn to play in the Jazz/Big Band genre. This class includes the study of styles of jazz as well as learning to play improvisational solos. Required performances will include, but are not limited to a concert each quarter, contest, school functions and public events. **Students are required to be enrolled in another FHS instrumental music course unless an exception is granted by the instructor.**

## **IM4001 & IM4002 Symphonic Band**

Length: 2 semesters  
Credit: ½ per semester  
(Fine Arts)

Grade: 9, 10, 11, 12  
Prerequisite: Audition  
Fee: \$25.00

This course is designed to offer the experienced music instrumentalist a variety of musical experiences. Required performances include, but are not limited to concerts, solo and ensemble contests, large group contest, school functions and public events.

## **IM3031 & IM3032 Wind Ensemble**

Length: 2 semesters  
Credit: ½ per semester  
(Fine Arts)

Grade: 9, 10, 11, 12  
Prerequisite: Audition  
Fee: \$25.00

This course is designed to offer the advanced music instrumentalist a variety of musical experiences. Required performances include, but are not limited to concerts, solo and ensemble contest, large group contest, school functions and public events.

## **IM1301 & IM1302 Strings Class**

Length: 2 semesters total  
Credit: ½ per semester  
(Fine Arts)

Grade: 9, 10, 11, 12  
Prerequisite: None  
Fee: \$25.00

Students who play the following String instruments are eligible to participate in this class: Violin, Viola, Cello and String Bass. Students must provide their own correctly sized instruments and the required method book. The curriculum will include skills and technique development specific to each instrument. Students will have an opportunity to perform in concerts, solo and ensemble contests, large group contest, school functions and public events. A beginning student who would like to learn one of these instruments is welcome to join after consulting with the instructor.

**IM1100 Guitar**

Length: 1 semester  
Credit: ½ credit  
(Fine Arts)

Grade: 9, 10, 11, 12  
Prerequisite: None  
Fee: \$25.00

**Students must own or purchase an Acoustic Guitar & a required Method Book to participate in this class.** This class is designed for the beginning acoustic guitar player. Students will learn to read and notate music/rhythm as well as read chords and tablature. Students will also develop fundamental skills in rock, classical, and folk songs through a variety of repertoire. The class will include a public performance.

**IM1200 Guitar II**

Length: 1 semester  
Credit: ½ credit  
(Fine Arts)

Grade: 9, 10, 11, 12  
Prerequisite: **Audition**  
Fee: \$50.00

**Students must own or purchase an Acoustic Guitar.** This class will provide an opportunity for advanced guitar players to improve their skills in reading music, playing chords, and playing as part of an ensemble. The focus of the group will be on ensemble playing. Students will have several opportunities for public performance.

# Math

---

The required course sequence is **Algebra I, Geometry and Algebra II** followed by these options:

- College Bound Students should take **Pre-Calculus, AP Calculus and AP Statistics**
- Non-college Bound Students can take **Math Analysis, Introduction to Statistics and Applied Math**

## **MA1001 & MA1002 Algebra I**

Length: 2 semesters  
Credit: ½ per semester  
(Math)

Grade: 9  
Prerequisite: None  
Fee: None

***A scientific calculator is highly recommended for this course.*** Application and structure of concepts of algebra, which include problem-solving, graphing, using relations, functions, radical expressions, mathematical sentences, and building algebraic language. Students must register for both semesters of this course. **NCAA approved.**

## **MA2101 & MA2102 Geometry**

Length: 2 semesters  
Credit: ½ per semester  
(Math)

Grade: 9, 10, 11  
Prerequisite: Algebra I  
Fee: None

***A scientific calculator is highly recommended for this course.*** This course will extend the study of Algebra. In addition, this course includes the study of triangles, circles and other shapes with an emphasis analytic geometry and basic right-triangle trigonometry. Students must register for both semesters of this course. **NCAA approved.**

## **MA2001 & MA2002 Algebra II**

Length: 2 semesters  
Credit: ½ per semester  
(Math)

Grade: 9, 10, 11, 12  
Prerequisite: Geometry  
Fee: None

***TI-83/84 graphing calculator is highly recommended for this course.*** Algebra 2 includes the study of concepts and properties of polynomials, matrices, radicals, and linear and quadratic equations and functions. Emphasis is placed on graphing. With Department Chair approval, students may take this course simultaneously with Geometry. Students must register for both semesters of this course. **NCAA approved.**

## **MA3321 & MA3322 Applied Math: Real World**

Length: 2 semesters  
Credit: ½ each semester  
(Math)

Grade: 11, 12  
Prerequisite: Geometry  
Fee: none

***A scientific calculator is highly recommended for this course.*** This course will survey common applications of mathematical reasoning that is used in the real world. Critical thinking and problem solving approaches will be learned. Applications will include financial management, statistical reasoning, probability, modeling, politics, business, and scheduling. **NCAA approved.**

### **MA4931 & MA4932 Math Analysis**

Length: 2 semesters  
Credit:  $\frac{1}{2}$  each semester  
(Math)

Grade: 10, 11, 12  
Prerequisite: C or D in Algebra II  
Fee: none

***TI-83/84 graphing calculator is highly recommended for this course.***

This course is a bridge between Algebra II and Pre-Calculus. It is designed to meet the needs of those students who need a third or fourth year of math, but are not fully prepared for the algebraic rigors of Pre-Calculus. This course allows students to strengthen their algebraic skills while learning upper level concepts in the comfort of the CPM system, with the spiraling from previous years of the program. **NCAA approval pending.**

### **MA3200 Introduction to Statistics**

Length: 2 semesters  
Credit:  $\frac{1}{2}$  each semester  
(Math)

Grade: 10, 11, 12  
Prerequisite: Geometry  
Fee: none

***TI-83/84 graphing calculator is highly recommended for this course.***

The course includes the study of descriptive statistics, probability, probability distributions, confidence intervals, and hypothesis testing. The foundation of course projects and assignments are in the application of statistics and provide a strong foundation for further study.

### **MA3911 & MA3912 Pre-Calculus**

Length: 2 semesters  
Credit:  $\frac{1}{2}$  each semester  
(Math)

Grade: 10, 11, 12  
Prerequisite: A or B in Algebra II  
Fee: none

***TI-83/84 graphing calculator is highly recommended for this course.***

In this course, students will study the geometric and analytic properties of several families of functions to include linear, quadratic, exponential, logarithmic, trigonometric, polynomial, and rational functions. Students will use advanced mathematical concepts and methods, including symmetry, compositions, and combinations of functions. Successful completion of this course is necessary for enrollment in AP Calculus. Students must register for both semesters of this course. **NCAA approved.**

### **MA3611 & MA3612 Calculus I**

Length: 2 semesters  
Credit:  $\frac{1}{2}$  each semester  
(Math)

Grade: 11, 12  
Prerequisite: Pre-Calculus  
Fee: none

***TI-83/84 graphing calculator is highly recommended for this course.*** Students will study differential and integral calculus. Algebraic skills are required along with a familiarity with polynomial, rational, exponential, logarithmic, trigonometric, and piecewise functions. The course includes investigations of graphic, numeric, and analytic techniques of problem solving. The content of this course is identical to MA4901/MA4902, but course material is covered at a slower pace. Students will not receive a weighted grade for completing both semesters of the course. **NCAA approved.**

### **MA4901 & MA4902 Advanced Placement Calculus**

Length: 2 semesters  
Credit: ½ per semester  
(Math)

Grade: 11, 12  
Prerequisite: Pre-Calculus and Teacher  
Recommendation.  
Fee: \$86.00 for AP Exam

***TI-83/84 graphing calculator is highly recommended for this course.*** Students will study differential and integral calculus, stressing formal approaches to the analysis of functions. Excellent algebraic skills are required along with a strong familiarity with polynomial, rational, exponential, logarithmic, trigonometric, and piecewise functions. The course includes investigations of graphic, numeric, and analytic techniques of problem solving. Focus will be on preparation for the Advanced Placement test in May. The content of this course is identical to MA3611/MA3612, but course material is covered at a quicker pace to accommodate the AP Exam, which may allow students to receive college credit. Completion of a preparatory summer assignment is required. **NCAA approved.**

### **MA4921 & MA4922 Advanced Placement Statistics**

Length: 2 semesters  
Credit: ½ per semester  
(Math)

Grade: 11, 12  
Prerequisite: Algebra II and Teacher  
Recommendation **or** Pre-Calculus  
Fee: \$86.00 for AP Exam

***TI-83/84 graphing calculator is highly recommended for this course.*** Students will explore data by describing patterns and departures from patterns, collect experimental samples and analyze the results, anticipate patterns using probability and simulation, make statistical inferences by estimating population parameters and testing hypotheses. The study of these topics will culminate in the Advanced Placement test in May. Statistics is a required course for college students who major in business, agriculture, social science, journalism, or laboratory/research sciences. Completion of a preparatory summer assignment is required. A preparatory summer assignment is required. **NCAA approved.**

# Physical Education

---

ALL PE CLASSES REQUIRE THE PURCHASE OF A UNIFORM FOR \$9.00.

NOTE: DUE TO THE LARGE NUMBER OF STUDENTS NEEDING PHYSICAL EDUCATION AS A REQUIRED CLASS, STUDENTS MAY ENROLL IN ONLY ONE PE CLASS PER SEMESTER.

## **PE1000 Introduction to PE**

Length: 1 semester

Credit: ½ per semester

(PE; Can be repeated for credit)

Grade: 9

Prerequisite: None

Fee: None

This class is designed for all students. The class includes physical fitness testing, team sports, and recreational sports. Cardiovascular development will be a daily emphasis also. Students will be introduced to game rules and strategies. Written tests will be given to test students' knowledge of these rules and regulations. Much of the student's grade will be based on dressing out and participation.

## **PE1600 Aerobics and Exercise**

Length: 1 semester

Credit: ½ per semester

(PE; Can be repeated for credit)

Grade: 9, 10, 11, 12

Prerequisite: None

Fee: None

This course is designed for the students who wish to develop muscle tone, muscle endurance, and their cardiovascular systems. Students will cover the five elements of fitness: cardiovascular endurance, muscular strength, muscular endurance, flexibility and body composition. Activities will include various styles of aerobics as well as other cardiovascular work-outs.

## **PE1400 Beginning Personal Training**

Length: 1 semester

Credit: ½ per semester

(PE; Can be repeated for credit)

Grade: 9, 10, 11, 12

Prerequisite: None

Fee: None

This class is for the beginning weight lifter and those who are interested in learning how to weight lift correctly. Students enrolled in this class will learn essential techniques about how to perform each lifting exercise correctly. Students will learn the muscles of each lifting exercise to better understand muscle development and training.

## **PE1450 Advanced Personal Training**

Length: 1 semester

Credit: ½ per semester

(PE; Can be repeated for credit)

Grade: 9, 10, 11, 12

Prerequisite: Beginning Personal Training

Fee: None

This class is for serious students and athletes who are interested in improving overall body strength and conditioning. Students enrolled in this class will learn essential techniques in weight training, along with anatomy and physiology. Personal programs will be set up for each student so he/she may develop to his/her fullest potential. Students will be participating in a cross training (lifting/conditioning) program daily. Strength testing will also be included.

**PE1700 Health**

Length: 1 semester

Credit: ½ credit

**(PE requirement)**

Grade: 9, 10

Prerequisite: None

Fee: None

This course is designed to provide high school students knowledge, skills, and understandings that will enable them to act on behalf of themselves and others to enhance health and health awareness. This course promotes encouragement of present and future health practices among students that will lead them to make significant contributions to the well-being of families, schools, and communities to which they belong.

**PE1300 Life Long Fitness**

Length: 1 Semester

Credit: ½ credit

**(PE; Can be repeated for credit)**

Grade: 10, 11, 12

Prerequisite:

Fee: None

This course provides the knowledge students need to live a long and healthy life. With the health and wellness being the foundation, students will learn the various sports and activities that can be done throughout one's lifetime. Students will master golf, racquet sports, ping pong, archery, as well as other wellness activities and exercises.

**PE1601 Yoga plus Pilates 1**

Length: 1 semester

Credit: ½ per semester

**(PE; Can be repeated for credit)**

Grade: 9, 10, 11, 12

Prerequisite: None

Fee: None

This class involves the practice of safety stretching, relaxing and breathing. Students will learn the origin and benefits of Yoga which include weight loss, better posture, circulation, digestion, breathing, stress reduction and better balance. Pilates is the training method that dancers, skaters, and Pro athletes use. Our emphasis is on form. Core conditioning strengthens the torso muscle, helping to prevent back pain and can change the shape of your body. Students must provide their own Yoga mat.

**PE1550 Women's Personal Training**

Length: 1 semester

Credit: ½ per semester

**(PE; Can be repeated for credit)**

Grade: 9, 10, 11, 12

Prerequisite: None

Fee: None

This course is designed for women who want to learn how to lift and improve their bodies through various programs that target precise muscle groups for overall muscle strength and development.

**PE1650 Nutrition and Weight Training**

Length: 1 semester

Credit: ½ per semester

**(PE; Can be repeated for credit)**

Grade: 9, 10, 11, 12

Prerequisite: None

Fee: None

This course is designed to provide students with the following: Nutrition information (how to maintain a healthy diet); Information on what causes weight gain, weight loss, and weight maintenance; Information on muscle toning, endurance and strength to include how to increase strength and size; Proper techniques for lifting exercises; Emphasis on the five core lifts: bench press, squat, dead lift, power clean, and push press.

**PE1200 Team Sports**

Length: 1 semester

Credit: ½ per semester

(PE; Can be repeated for credit)

Grade: 10, 11, 12

Prerequisite: None

Fee: None

This class is designed for all students. The class includes physical fitness testing, team sports, and recreational sports. Cardiovascular development will be a daily emphasis also. Students will be introduced to game rules and strategies. Written tests will be given to test students' knowledge of these rules and regulations. Much of the student's grade will be based on dressing out and participation.

**PE2010 Athletic Training**

Length: 1 semester

Credit: ½ credit

**(Elective credit only)**

Grade: 10, 11, 12

Prerequisite: None

Fee: \$15.00

This course is designed to help with the basic understanding of sports injuries. Of particular interest to those students interested in becoming a physician, physician's assistant, physical therapist, nurse, EMT or Certified Athletic Trainer. Instruction includes the evaluation, treatment and rehabilitation of sports injuries, and the opportunity to work with athletic teams. CPR Certification through the American Red Cross is offered.

**PE2300 Power Lifting**

Length: 1 semester

Credit: ½ per semester

(PE; Can be repeated for credit)

Grade: 10, 11, 12

Prerequisite: Beg. &amp; Adv. Personal Training

Fee: None

This course is designed for the serious weight lifter who wants to participate in power lifting competitions. Students should be disciplined, committed, and competitive. You will be required to compete in a power lifting meet. Students need to be able to complete the following lifts: bench, squat and dead.

# Science

---

## SC1001 & SC1002 Biology

Length: 2 semesters  
Credit: ½ per semester  
(*Science Requirement*)

Grade: 9  
Prerequisite: None  
Fee: \$10.00

This required course emphasizes three biological concepts: 1) Molecules and Cells, 2) Heredity and Evolution, and 3) Organisms and Populations. Laboratory investigations, selected group projects and dissection are required. **NCAA approved.**

## SC2101 & SC2102 Chemistry

Length: 2 semesters  
Credit: ½ per semester  
(Science)

Grade: 10, 11, 12  
Prerequisite: Geometry (or concurrent with  
Teacher Approval)  
Fee: \$10.00

This course is rigorous and challenging and is recommended for students who are strong in math and science. High School Chemistry will give you a fundamental baseline of knowledge from which you can build upon later in your academic pursuits. Topics to be covered include Properties of Matter, Scientific Measurement, Atomic Theory, The Periodic Table, Compounds, Moles, Chemical Reactions, Stoichiometry and Behavior of Gasses, and Thermochemistry. **NCAA approved.**

## SC2001 & SC2002 Chemistry in the Community (ChemCom)

Length: 2 semesters  
Credit: ½ per semester  
(Science)

Grade: 10, 11, 12  
Prerequisite: Biology  
Fee: \$10.00

Chemistry in the Community is a conceptual chemistry course designed to teach the fundamental concepts of chemistry in connection with real-world applications. ChemCom is structured around societal issues related to chemistry rather than around specific chemical concepts. Seven units of study cover concepts explained in the context of societal issues, with an emphasis on organic, bio-, environmental and industrial chemistry. Unit topics include water and solutions, structure and use of materials, Petroleum products, atmospheric chemistry, industry and chemical reactions, atomic structure, and food chemistry. ChemCom features decision-making investigations and activities that give students practice applying their chemical knowledge in various problem-solving situations. **NCAA approved.**

## SC3211 & SC3212 Physics

Length: 2 semesters  
Credit: ½ per semester  
(Science)

Grade: 11, 12  
Prerequisite: Pre-Calc (or concurrent  
with teacher approval)  
Fee: \$10.00

Students will study the laws and concepts that govern the physical behavior of matter. This course will stress a problem solving approach. Good mathematical skills and laboratory techniques are required, along with a basic understanding of physical phenomena. The course will focus on mechanics, electricity and magnetism, and behavior and properties of waves. **NCAA approved.**

### **SC3111 & SC3112 Anatomy/Physiology**

Length: 2 semesters  
Credit: ½ per semester  
(Science)

Grade: 11, 12  
Prerequisite: Chemistry (or concurrent  
with teacher approval)  
Fee: \$25.00

This course includes an in-depth study of the structures of and mechanisms used within the human body. Basic elements of the human anatomy are identified and introduced. Topics include: review of biology, organic vs. inorganic compounds, muscle tissue, neural tissue, sensory functions, integumentary system, skeletal system, muscular system, and circulatory system. This is a fast paced and rigorous course that requires a great deal of effort on the part of the student. Lab activities (dissections) required. **NCAA approved.**

### **SC3600 Astronomy**

Length: 1 semester  
Credit: ½ credit  
(Science)

Grade: 11, 12  
Prerequisite: None  
Fee: \$10.00

This one semester course deals with historical and current Astronomy topics to include: the history of Astronomy, sky motion, the solar system, our sun, stars and galaxies, cosmology, and the search for extraterrestrial life. Laboratory and reading activities will illustrate the experimental and observational nature of Astronomy. This course will be a survey course and is intended for both college and non-college bound students. **NCAA approved.**

### **SC3630 Genetics**

Length: 1 semester  
Credit: ½ credit  
(Science)

Grade: 10, 11, 12  
Prerequisite: None  
Fee: TBD

This course is a survey of molecular genetics and classical genetics. This course will conduct an in-depth examination of inheritance patterns, DNA, cloning, stem cell, genetic diseases, cancer, and the application of genetic concepts through lab investigations using living organisms – fruit flies, fast plants, and wasps. Applications in this course are designed to strengthen abstract reasoning and critical thinking skills.

### **SC3670 Geology**

Length: 1 semester  
Credit: ½ credit  
(Science)

Grade: 11, 12  
Prerequisite: None  
Fee: \$10.00

Geology is the structure and origin of various rocks, landforms, and geologic events. Students in this course will be able to classify rocks and landforms into the major types of rocks (i.e. Igneous, Sedimentary and Metamorphic) and know the function and purpose of the Rock Cycle and its relationship to early and modern day earth. Students will also learn specifics of Colorado Geology and the formation of the Rocky Mountains through guest speakers and field experience. **NCAA approved.**

### **SC3700 Environmental Science**

Length: 1 semester  
Credit: ½ credit  
(Science)

Grade: 11, 12  
Prerequisite: None  
Fee: \$10.00

This one semester course will develop the students understanding of and appreciation for the problems that exist in the environment and the complexities each problem presents. The course consists of lecture, debate, independent reading, field trips, research and exams. Studies include extinction of organisms, endangered species, conservation measures and relationships between science, technology and society. **NCAA approved.**

### **SC3751 Epidemiology (Public Health)**

Length: 1 semester  
Credit: ½ credit  
(Science)

Grade: 11, 12  
Prerequisite: None  
Fee: TBD

Epidemiology is the scientific method used to investigate, analyze and prevent or control a health problem in a population. That population could be the entire world, as may be the case with an influenza epidemic. Or it can be a relatively small group of people – a single high school, for example, with an unusually high number of kids with asthma. Epidemiology is a cross between CSI and CIA. Students will study the distribution and determinants of selected chronic and infectious diseases. Using case studies, students apply epidemiological methods in order to investigate outbreaks, determine source, determine mode of transmission, identify exposure, analyze risk factors, and design strategies for public health prevention.

### **SC4901 & SC4902 AP Chemistry**

Length: 2 semesters  
Credit: ½ per semester  
(Science)

Grade: 11, 12  
Prerequisite: Chemistry and Algebra 2  
Fee: \$15.00 + \$86.00 AP Exam Fee

AP Chemistry builds students' understanding of the nature and reactivity of matter. After studying structure, students move on to solve complex quantitative chemical problems, examine molecular composition, and learn to predictably transform substances through chemical reactions. The equivalent of an introductory college-level chemistry course, AP Chemistry prepares students for the AP Exam and for further study in science, health sciences, or engineering. It is assumed that the student will spend at least five hours a week in unsupervised individual study. Extra time before or after school will be required for students to complete more complex laboratory investigation. Completion of summer assignment is required. **NCAA approved.**

### **SC4911 & SC4912 AP Biology**

Length: 2 semesters  
Credit: ½ per semester  
(Science)

Grade: 11, 12  
Prerequisite: Chemistry  
Fee: \$15.00 + \$86.00 AP Exam Fee

AP Biology emphasizes three of the biological concepts: 1) Molecules and Cells, 2) Heredity and Evolution, and 3) Organisms and Populations. The equivalent of an introductory college-level biology course, AP Biology prepares students for the AP Exam and for further studies in the science field. The course includes a laboratory component that will require students to spend extra time before or after school. Students will also be expected to spend at least five hours per week in self-directed study. Completion of summer assignment is required. **NCAA approved.**

# Social Studies

---

## SO1050 Civics

Length: 1 semester

Credit: ½ credit

**(Social Studies requirement)**

Grade: 9

Prerequisite: None

Fee: None

This course provides a basic understanding of the design and operation of federal, state, and local governments. Relationships between the citizen and the government are explored and the student develops an understanding of the significant role of the citizen in American democracy. The students become familiar with the American legal system and their rights and responsibilities as citizens. **NCAA approved.**

## SO1060 Geography

Length: 1 semester

Credit: ½ credit

**(Social Studies requirement)**

Grade: 9

Prerequisite: None

Fee: None

This course focuses on selected regions of the world in terms of the geography and culture, and investigates issues in the news to understand impacts in the world today. The 5 Themes of Geography are examined: location, place, relationships within places, and regions. **NCAA approved.**

## SO2001 & SO2002 World History/Geography

Length: 2 semesters

Credit: ½ per semester

**(Social Studies requirement)**

Grade: 10

Prerequisite: None

Fee: None

This course will emphasize the study of regional history and geography of the world and how they are interrelated. Students will analyze political, economic, geographical, historical and cultural aspects to draw conclusions about how regional issues influence the present. **NCAA approved.**

## SO4931 & SO4932 AP World History

Length: 2 semesters

Credit: ½ per semester

(Social Studies)

Grade: 10

Prerequisite: None

Fee: \$86.00 AP Exam fee

This course is designed to develop a greater understanding of the evolution of the global processes and contents, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of change in international frameworks and their causes and consequences, as well as compromises. Completion of a summer assignment is required. **NCAA approved.**

*\*\*A separate Geography component is required for admission to various colleges. Therefore, students registering for this course will automatically be enrolled in SO1060 Geography.*

## SO3001 & SO3002 U.S. History

Length: 2 semesters

Credit: ½ per semester

**(Social Studies requirement)**

Grade: 11

Prerequisite: None

Fee: None

This course deals with thematic coverage of the development of the United States. The class will focus on six themes: wars, civil unrest / reform, women/minorities, industrialization / technology, expansion / exploration and culture. **NCAA approved.**

### **SO3911 & SO3912 AP U.S. History**

Length: 2 semesters  
Credit: ½ per semester  
(Social Studies)

Grade: 11, 12  
Prerequisite: None  
Fee: \$86.00 AP Exam

This is a college-level seminar course focusing on analysis, writing and problem-solving in American History. It is strongly recommended, but not required, that students who enroll in AP U.S. History also enroll in AP English Language and Composition. Due to the nature of course design, enrolling in both classes may enhance learning opportunities along with increased success on the AP Exam. Completion of a summer assignment is required. **NCAA approved.**

### **SO4000 American Government**

Length: 1 semester  
Credit: ½ credit  
(***Social Studies requirement***)

Grade: 12  
Prerequisite: None  
Fee: None

This required senior level survey course will focus on the current political system and how it was developed. The class will study the Constitution, three branches of government, including state and local, as well as civil rights and social responsibility. **NCAA approved.**

### **SO4901 & SO4902 AP United States Government & Politics**

Length: 2 semesters  
Credit: ½ per semester  
(Social Studies)

Grade: 12  
Prerequisite: None  
Fee: \$86.00 AP Exam

This college level seminar course focuses on the current political system and its development. Students must register for both semesters of this course. Completion of summer assignment is required. **NCAA approved.**

### **SO1060 Geography**

Length: 1 semester  
Credit: ½ credit  
(Elective)

Grade: 10, 11, 12  
Prerequisite: None  
Fee: None

This is a one-semester elective social studies class focusing on selected regions of the world in terms of the geography and culture, and investigates issues in the news to understand impacts in the world today. The 5 Themes of Geography are examined: location, place, relationships within places, and regions. **NCAA approved.**

### **SO3400 Economics**

Length: 1 semester  
Credit: ½ credit  
(Elective)

Grade: 10, 11, 12  
Prerequisite: None  
Fee: None

This is a one-semester elective social studies class that examines the basic economics principles and concepts. It provides the background to better understand money, markets, business structures, different economic systems, the economic roles of government, the forces of supply and demand, and the U.S./world economy. **NCAA approved.**

**SO3500 Psychology**

Length: 1 semester  
Credit: ½ credit  
(Elective)

Grade: 10, 11, 12  
Prerequisite: None  
Fee: None

This course investigates the factors that affect human behavior. Students explore various theories about human development from early childhood through adolescence and adulthood. The purpose of this study rests with gaining greater insight towards personal growth and development, as well as insight into the behavior and changes in other people. **NCAA approved.**

**SO3600 Sociology**

Length: 1 semester  
Credit: ½ credit  
(Elective)

Grade: 10, 11, 12  
Prerequisite: None  
Fee: None

This course deals with the study of human relationships. Students examine the components that comprise our society, their origins and effects, thus gaining greater insight in to the what, when and why of relationships that exist between people.

**NCAA approved.**

**SO3700 Sociology and Psychology of Sport**

Length: 1 semester  
Credit: ½ credit  
(Elective)

Grade: 10, 11, 12  
Prerequisite: None.  
Fee: None

This class will investigate the sociological and psychological ramifications of sport. Topics of study will be performance of athletes, behavior of fans and parents, the influence of mass media and the inter-relationship between sport and the American way of life. **NCAA approved.**

**SO4911 & SO4912 AP Psychology**

Length: 2 semesters  
Credit: ½ per semester  
(Elective)

Grade: 11, 12  
Prerequisite: none  
Fee: \$86.00 AP Exam

This course allows students to analyze a college text and various primary and secondary sources dealing with the mental process and emotional behaviors of individuals. Topics will include methods and approaches to psychology, biological bases of behavior, sensations and perception, states of consciousness, learning, cognition, motivation and emotion, developmental psychology, personality, testing abnormal psychology, forms of treatment and social psychology. Students are expected to take the Advanced Placement Exam. Completion of summer assignment is required. **NCAA approved.**

**BU2300 & BU2311 AP Macroeconomics**

Length: 2 semesters  
Credit: ½ per semester  
(Elective)

Grade: 11, 12  
Prerequisite: none  
Fee: \$86.00 AP Exam

The purpose of an AP course in microeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics.

# Technology

---

Academy of Information Technology students should adhere to one of the following tracks:

Security	Programming	Networking
Intro to Computing Advanced Computers Intro to Networking Computer Operating Sys Principles of Info Security Guide to Comp Forensics	Intro to Computing Advanced Computers Java 1/Visual Basic Web Design I Web Design II Web Design III Programming with C++ Game Design & Develop	Intro to Computing Advanced Computers Web Design I Intro to Networking Computer Operating Sys MCP Java 1/Visual Basic

**When students have finished the course work at Falcon High School, they will be eligible for an exam, allowing them to obtain the following certifications:**

**A+ Certification** (Intro to Networking, Computer Operating Systems)

A+ Certification means that a person possesses the knowledge and skills essential to become a successful computer science technician. This Certification provides industry-recognized credentials, independent of specific product or vendor knowledge. To become A+ Certified you must pass two test modules: the A+ Core Hardware Exam and the A+ OS technologies exam module. Candidates who pass the two computer-based test modules must demonstrate basic knowledge of configuring, installing, diagnosing, repairing, upgrading, and maintaining microcomputers and associated technologies.

**MOS –Microsoft Office Professional** (Intro to Computers and Advanced Computers)

The MOS Certification group offers students certifications recognized as the standard for computer skills with the Microsoft Office suite, including: MS Word, MS Excel, MS Outlook, MS PowerPoint and MS Access. MOS is a productivity certification program designed to reflect the end users capabilities with a specific Office program. MOS certification is valuable not only to employees, but also to employers because they show the end users ability to use the program and apply that knowledge on the job.

**CIW –Certified Internet Webmaster** (Web Design 1 and Web Design 2)

The CIW Associate Certification offers students instruction in the areas of internet, networking and web page authoring fundamentals. The CIW Pathway includes two classes that compliment the A+ class track. The classes are Web Design 1 and Web Design 2 providing students a comprehensive knowledge of HTML, DHTML, XML, browser usage, search engine and security. Students will acquire the basic hands-on skills and knowledge that an Internet professional is expected to understand and use.

**MCP- The Microsoft Certified Professional (MCP)**

The MCP credential is the first step towards earning the MCSE, MCDBA, or MCAD certifications. It shows that students have demonstrated proficiencies and have the skills to successfully implement Microsoft software. The information technology (IT) industry, employers, clients, and peers will recognize the MCP credential as validation of the knowledge and skills gained through experience.

**IT1000 Introduction to Computing**

Length: 1 semester  
Credit: ½ credit  
(Practical Art)

Grade: 9, 10, 11, 12  
Prerequisite: None  
Fee: None

This course introduces the basics about computers. It includes the different modules of Microsoft Office, these include learning the basics of Microsoft Word, Excel and PowerPoint.

**IT1100 Advanced Computing**

Length: 1 semester  
Credit: ½ credit  
(Practical Art)

Grade: 9, 10, 11, 12  
Prerequisite: Intro to Computing  
Fee: None

This course provides detailed instruction on how to use the advanced commands and techniques of Microsoft Office 2000. This course is intended to help students demonstrate their proficiency in the Microsoft Office applications by preparing them to pass the Core level Microsoft Office User Specialist Exam for Microsoft Word 2000, Microsoft Excel 2000, Microsoft Access 2000, and Microsoft PowerPoint 2000.

**IT1200 JavaScript 1/ Visual Basic**

Length: 1 semester  
Credit: ½ credit  
(Practical Art)

Grade: 9, 10, 11, 12  
Prerequisite: Intro to Computing  
Fee: None

This course provides the student with an introduction to the design, theory and control structures used when developing JavaScript and MS Visual Basic programs. Topics include basic concepts of problem solving, analyzing problems, and designing an appropriate solution. It also examines the types of logic structures, data structures, Object-Oriented Programming, database management and file processing.

**IT2000 Introduction to Networking**

Length: 1 semester  
Credit: ½ credit  
(Practical Art)

Grade: 10, 11, 12  
Prerequisite: Intro to Computing  
Fee: None

This course presents the essential elements of computer networks, protocols of data communication and the role of network management software. Activities needed to maintain healthy network environments are investigated.

**IT2100 Computer Operating Systems**

Length: 1 semester  
Credit: ½ credit  
(Practical Art)

Grade: 10, 11, 12  
Prerequisite: Intro to Computing  
Fee: None

This course will discuss types of software, pc operating systems, systems terms and concepts along with an introduction to Windows 9x/2000XP interface and the Windows configuration.

**IT2200 Programming with C++**

Length: 1 semester  
Credit: ½ credit  
(Practical Art)

Grade: 10, 11, 12  
Prerequisite: JavaScript 1/Visual Basic  
Fee: None

This course provides the student with an introduction to the design, theory and control structures used when developing C++ programs. Topics include basic concepts of problem solving, analyzing problems, and designing an appropriate solution. It also examines the types of logic structures, data structures, Object-Oriented Programming, database management and file processing.

**IT2300 Web Design I**

Length: 1 semester  
Credit: ½ credit  
(Practical Art)

Grade: 10, 11, 12  
Prerequisite: Intro to Computing  
Fee: None

Students will learn the basics of web page and site development including the use of HTML, DHTML and JavaScript languages.

**IT2400 Web Design II**

Length: 1 semester  
Credit: ½ credit  
(Practical Art)

Grade: 10, 11, 12  
Prerequisite: Web Design I  
Fee: None

Students will learn additional languages utilized in the development of web page and sites including the use of XML, AJAX and XHTML.

**IT2500 Web Design III**

Length: 1 semester  
Credit: ½ credit  
(Practical Art)

Grade: 10, 11, 12  
Prerequisite: Web Design II  
Fee: None

Students will learn the basics of web page and site animation and graphics including the use of Macro Media Flash, FX, and Adobe suite, Poser 5, Bryce 6 and Audacity.

**IT2600 MCP Microsoft Certified Professional**

Length: 1 semester  
Credit: ½ credit  
(Practical Art)

Grade: 11, 12  
Prerequisite: Advanced Computing,  
JavaScript 1, and Web Design I  
Fee: None

This course is based upon the Microsoft MCSE CORE course for Exam 70-270 Installing, Configuring, and Administering Microsoft Windows XP Pro software. Upon completion of this course students will possess a strong foundation to use as the basis for further study and then successful completion of this CORE course exam.

### **IT???? Principles of Information Security**

Length: 1 Semester

Credit: ½ credit  
(Practical Art)

Grade: 10, 11, 12

Prerequisite: Intro to Computing  
Fee: None

An introduction to the various technical and administrative aspects of information security and assurance. This course provides the foundation for understanding the key issues associated with protecting information assets, determining the levels of protection and response to security incidents, and designing a consistent, reasonable information security system, with appropriate intrusion detection and reporting features.

### **IT2610 Guide to Computer Forensics**

Length: 1 semester

Credit: ½ credit  
(Practical Art)

Grade: 10, 11, 12

Prerequisite: Principles of Information Security  
Fee: None

This course introduces students to the techniques and tools of computer forensics investigations. Students will receive step-by-step explanations on how to use the most popular forensic tools. The course maps to the objectives of the International Association of Computer Investigative Specialists (IACIS) certification to provide credible, standards-based information. Topics include coverage of the latest technology including PDAs, cell phones, and thumb drives. Many hands-on activities are included, which allow students to practice skills as they are learned.

### **IT???? Gaming Design and Development**

Length: 1 Semester

Credit: ½ credit  
(Practical Art)

Grade: 11, 12

Prerequisite: Web Design I and C++ **or**  
Teacher Recommendation

Fee: None

This course will discuss Game Theory, principles of game design, genre-specific game design issues, storytelling, level design, puzzle design and conceptualization to provide students with a strong foundation before working with game development software programs. Students will next be exposed to GameMaker 7 and DarkBasic Pro game development software programs. Each program will be discussed in detail and students will be given the opportunity to develop game as part of the instructional process. The course will culminate in a capstone project where students will design and build their own web-based game.

# Theater Arts

---

## **TH1000 Theater I**

Length: 1 semester  
Credit: ½ credit  
(Fine Arts)

Grade: 9, 10, 11, 12  
Prerequisite: None  
Fee: None

This course is an overview of all aspects of theater, both acting and non-acting roles. Students will learn basic acting techniques, including pantomime and improvisation. Students will also be introduced to the basics of technical theater, including designing and directing.

## **TH1100 Theater II**

Length: 1 semester  
Credit: ½ credit  
(Fine Arts)

Grade: 9, 10, 11, 12  
Prerequisite: Theater I  
Fee: None

This course builds on the acting basics taught in Theater 1. Students will focus on acting techniques including concentration, motivation, and character development. Actors will be taught how to play both humorous and serious scenes as well as write their own scenes. The history of theater will also be studied in this course.

## **TH1150 Technical Theater I**

Length: 1 semester  
Credit: ½ credit  
(Fine Arts)

Grade: 9, 10, 11, 12  
Prerequisite: None  
Fee: \$25.00

Students will learn the fundamentals of theater design and production. Including Set, prop, costume, makeup, lighting, and sound design. Students will practice the techniques and prepare designs for various plays. Class will include many hands on projects and activities, along with written tests and homework.

## **TH1160 Technical Theater II**

Length: 1 semester  
Credit: ½ credit  
(Fine Arts; Can be repeated for credit)

Grade: 10, 11, 12  
Prerequisite: Tech Theater I  
Fee: None

Students will take the information learned in Tech Theater 1 and build on it with more advanced techniques to design and create for the school play. Students will be required to work on the stage crew for the play, including after school practices and shows. Students in this class need to be self motivated and reliable. Use of power tools will be involved.

## **TH2021 & TH2022 One Act Play**

Length: 2 Semesters  
Credit: ½ per semester  
(Fine Arts; Can be repeated for credit)

Grade: 10, 11, 12  
Prerequisite: Theater II and Audition  
Fee: \$25.00

This course is designed for the serious acting student. Students will study schools of thought on acting technique and character development. Students will participate in performance of memorized plays and scenes, auditions, playwriting and directing. Participation in an advanced acting project will be required. A few after school or evening rehearsals may be required during the rehearsal process for these projects. Students will be encouraged to use their knowledge and skill in auditions for the real world (for parts or college scholarships). Auditions for parts in performances will be required.

# Visual Arts

Serious Art students should follow one of the suggested tracks below:

	<b>2-Dimensional Track</b>	<b>3- Dimensional Track</b>
<b>9th</b>	Beginning Drawing Intro to 2D Art	Intro to 3D Art Ceramics I
<b>10th</b>	Painting Art I	Ceramics II Advanced 3D Art
<b>11th</b>	Art II	AP Art
<b>12th</b>	AP Art	

## **AR1100 Beginning Drawing**

Length: 1 semester  
Credit: ½ credit  
(Fine Arts)

Grade: 9, 10, 11, 12  
Prerequisite: None  
Fee: \$10.00

This is an entry-level art class for the student who wishes to develop drawing skills. The course includes the design elements, art history, and various drawing techniques. Students will need to provide basic art supplies from a supplies list.

## **AR1000 Intro to 2D Art**

Length: 1 semester  
Credit: ½ credit  
(Fine Arts)

Grade: 9, 10, 11, 12  
Prerequisite: Beginning Drawing  
Fee: \$10.00

This basic art course is for students interested in exploring a variety of media (two and three-dimensional). Class content includes the elements of art, art history, critiquing and aesthetics. Students will need to provide basic art supplies.

## **AR1400 Intro to 3D Art**

Length: 1 semester  
Credit: ½ credit  
(Fine Arts)

Grade: 9, 10, 11, 12  
Prerequisite: None  
Fee: \$10.00

This course deals with the three dimensional form. Class will include elements of design, art history, critiques and aesthetics. Students will need to provide basic art supplies.

## **AR1410 Advanced 3D Art**

Length: 2 semesters  
Credit: ½ per semester  
(Fine Arts)

Grades 10, 11, 12  
Prerequisite: at least **two** of the following –  
Ceramics I, Ceramics II, or Intro 3-D  
Fee: \$25

The objective of this course is to allow students to develop skills learned in Intro to 3-D Art and introduce new sculptural techniques and media. Students will focus on creating more in-depth projects—in both size and level of difficulty. Projects will encompass a wide variety of media such as clay, fiber, glass, metal, paper, plastic, wood, etc. This class is studio based and includes art history and art criticism.

**AR1300 Painting**

Length: 1 semester  
Credit: ½ credit  
(Fine Arts)

Grade: 10, 11, 12  
Prerequisite: Intro to 2D Art and Beginning Drawing  
or Teacher Recommendation  
Fee: \$20

Students will learn the fundamentals of composition, art elements, principles of design, and developmental skills. Materials used for painting representational, expressive, or abstracted images include, but are not limited to tempera, watercolor, and acrylic paints. Students will experience art history through aesthetics and criticism through varied instructional media and resources.

**AR1200 Ceramics I**

Length: 1 semester  
Credit: ½ credit  
(Fine Arts)

Grade: 9, 10, 11, 12  
Prerequisite: None  
Fee: \$20.00

In this course students will use the elements of art and principles of design to create functional ceramic ware as well as ceramic sculpture. Students will gain knowledge of various historical, traditional, and modern cultures in relation to ceramics.

**AR1250 Ceramics II**

Length: 1 semester  
Credit: ½ credit  
(Fine Arts)

Grade: 9, 10, 11, 12  
Prerequisite: Ceramics I  
Fee: \$20.00

Students will develop advanced skills in throwing, hand building and ceramic sculpture.

**AR1001 & AR1002 Art I**

Length: 2 semesters  
Credit: ½ per semester  
(Fine Arts)

Grade: 10, 11, 12  
Prerequisite: Intro to 2D Art and Beginning Draw or  
Teacher Recommendation  
Fee: \$20.00

This upper level art class is designated for students who are planning to continue in advanced art classes. It will focus on more sophisticated art media involving more art knowledge, its application, aesthetics, art history and criticism. This course includes portfolio development.

**AR2001 & AR2002 Art II**

Length: 2 semesters  
Credit: ½ credit  
(Fine Arts)

Grade: 11, 12  
Prerequisite: Art I or Teacher Recommendation  
Fee: \$25.00

Second course designed for the advanced art student. This class includes portfolio development as well as increased development art knowledge, its application, aesthetics, art history and criticism.

**AR4901 & AR4902 AP Studio Art**

Length: 2 semesters  
Credit: ½ per semester  
(Fine Arts)

Grade: 11, 12  
Prerequisite: Art II or Teacher Recommendation  
Fee: \$30.00 + \$86.00 AP Exam fee

AP Studio Art is a course based on the production of a portfolio (Drawing; 2-D Design; or 3-D Design). The student will select the concentration portfolio that they are creating from the three categories listed. The course is conducted in an independent study format, with assignments designed, supervised and guided by the instructor.

# Vocal Music

---

## **VM1001 & VM1002 Beginning Choir**

Length: 2 semesters  
Credit: ½ per semester  
(Fine Arts)

Grade: 9  
Prerequisite: None  
Fee: \$25.00

This freshmen level class will provide an opportunity to learn basic choral singing, music theory and appreciation. Music from all genres will be performed. Students will be required to sing in at least two evening concerts per semester.

## **VM1201 & VM1202 Concert Choir**

Length: 2 semesters  
Credit: ½ per semester  
(Fine Arts)

Grade: 9, 10, 11, 12  
Prerequisite: None  
Fee: \$25.00

This course is an intermediate choral ensemble at Falcon High School. Music from all genres is performed including pop, contemporary, and some classics. Includes instruction focused on basic music theory, sight singing and music appreciation. Performances include, but are not limited to, evening concerts each semester.

## **VM2101 & VM2102 Women's Ensemble**

Length: 2 semesters  
Credit: ½ per semester  
(Fine Arts)

Grade: 9, 10, 11, 12  
Prerequisite: Beginning Choir/Concert Choir or  
Advanced Choir from Middle School  
Fee: \$25.00

This course is for young women who wish to expand their vocal skills. Music of all genres will be performed with a high degree of difficulty. Sight reading skills will be enhanced. Choreography skills and solo singing will also be incorporated into this class. Students will attend large group contest in the spring. Students will be required to sing in at least two evening concerts per semester.

## **VM2201 & VM2202 Chamber Choir**

Length: 2 semesters total  
Credit: ½ per semester  
(Fine Arts)

Grade: 9, 10, 11, 12  
Prerequisite: Beginning Choir/Concert Choir or  
Advanced Choir from Middle School  
Fee: \$25.00

This advanced choral ensemble is for the serious singer with emphasis on performance. Music of all genres will be performed with a high degree of difficulty including Music Theater, and classics of all major periods in music history. Sight reading skills are mastered over the year. Students will attend large group contest in the spring. Choreography skills and solo singing will also be incorporated into this class. This ensemble will enter choral contests.

## **VM3001 & VM3002 Jazz Choir**

Length: 2 semesters total  
Credit: ½ per semester  
(Fine Arts)

Grade: 10, 11, 12  
Prerequisite: Audition Only  
Fee: \$25.00

This class is designed for upperclassmen who can read music proficiently and want to explore the jazz genre. These students will be performing with the Chamber Choir and independently as the jazz choir.

## Notes