CHAMBERSBURG AREA SENIOR HIGH SCHOOL
Program of Studies

2016-2017

www.casdonline.org

(717) 261-3322
PARENTS/GUARDIANS

The curricula offerings at Chambersburg Area Senior High School are reviewed and revised each year to meet the changing needs of students and society. Your interest and cooperation in preparing your child’s schedule for 2016-2017 will, therefore, possibly be one of the most important activities you complete together this year. The choices you make will impact on your child’s opportunity for further education and future work choices.

The staff and administration at CASHS are committed to providing each student with the best educational program and are available to provide you and your child assistance in reaching that goal. Please feel free to contact any of the staff and administrators listed if you have any questions.

Best wishes for a great 2016-2017 school year.

CASHS Administration

SCHEDULING

Each spring all students have an opportunity to select courses appropriate to their needs and future plans. An evening program is held, and a Program of Studies booklet is made available to students. The Program of Studies booklet can also be found on the Chambersburg Area School District’s website at www.casdonline.org. Members of the counseling department will be meeting with students to discuss their course selections for next year during their English classes and individual student planning conferences are available. Students are constantly encouraged to involve their parents in the course selection process.

In May, a master schedule is finalized for all high school students. After this time, schedule changes become extremely difficult because teachers, supplies, books and classroom spaces and class sizes have been arranged based on the courses students have selected. Thus schedule changes will be limited and only made for valid academic reasons. Please consider all decisions carefully.
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Secondary Options:

**CASHS**
- Over 100 elective courses are available for students for career exploration.
- Students interested in pursuing Music have the ability to participate in Choristers and Glee Club.
- Students learn entrepreneurship through the student enterprises: student store, student bank and coffee cart.
- On site dedicated College Counselor to guide students through the college selection process.
- Expansive Advance Placement courses offered (19) and International Baccalaureate (IB).
- College in the High School, JROTC, Varsity Sports (23) and over 30 clubs and activities.
- Freshman Academy that provides link leaders upperclassman mentors to assist in transitioning to the High School
- Teaming of Grade 9 for enhanced cross-curricular collaboration.

**Franklin Virtual Academy (FVA)**
- Self-Paced classes
- Multi-media rich, interactive courses
- District Diploma, unlike other online programs
- Accessible anytime, anywhere
- Free to CASD students
- PA-Certified Teachers Only
- Opportunity to participate online and in-school classes
- Student activities available

**Career Magnet**
- Flexible Scheduling
- Online Opportunities for electives and Advance Placement options
- Career Focused
- Career Exploratory Course for ALL 9th grade students
- STEM emphasis
- Individualized Instruction
- Smaller Class sizes
- Collaborative environment
- Project based learning
- Technology rich instruction through the use of IPADS for every student
- Possible early graduation through block scheduling
- Business Advisory Board partnership offers unique student learning opportunities

**Franklin County Career and Technology Center (FCCTC)**
- Hands-on learning, project based learning experiences offered in a variety of career and technical fields
- Opportunities for high-skilled, high wage occupations
- Capstone Cooperative Education options for senior students that often lead to full-time employment after graduation.
- Opportunity to participate in student led organizations that support classroom learning
- Potential to earn college credit will in high school through Articulation agreements and College in the High School
- Industry based learning opportunities that can lead to certifications
The Chambersburg Area Senior High School is located in a predominately agricultural community in south central Pennsylvania. The school serves to educate approximately 2400 students in grades 9 through 12 and operates with a total of seven principals; a head principal, two associate principals, and one assistant principal for each grade level. Eight counselors are on staff, 2 per grade level.

Grading System:

**A:** 92 – 100%  
4.0 Credits English

**B:** 83 – 91%  
4.0 Credits Math

**C:** 74 – 82%  
3.5 Credits of Social Studies

**D:** 65 – 73%  
3.0 Credits of Science

**F:** Below 64%  
1.0 Credits of Wellness/Fitness

**O:** Outstanding  
0.5 Credit Health

**S:** Satisfactory  
0.5 Credit of Information Communication Technology

**N:** Needs Improvement  
6.5 Credits of Elective Courses

**U:** Unsatisfactory

**W:** Withheld (may be changed to a passing grade with completion of work)

**I:** Incomplete (assigned for dropped courses only)

Class Rank & Quality Point Average: Both a weighted and unweighted QPA are calculated. Cumulative class rank is computed at the end of each marking period beginning in grade 9 and ending with the third marking period of grade 12. IB, AP, Honors, and College courses are weighted higher for rank and QPA purposes. Students who transfer to CASHS are ranked only for classes taken at our school.

Advanced Curriculum:

**21 Honors Level Course Offerings (1.2):** American Lit & Comp I & II, World Lit & Comp, Sr. Reading & Writing Portfolio, Chemistry, Biology, Physics, Trigonometry, Pre-Calculus, Music Theory I & II, German I, II, & III, Spanish I, II, & III, Latin I, & II, Accounting III, Advanced Communications


**1 College in the High School Course Offerings (1.2):** Human Anatomy & Physiology
TELEPHONE DIRECTORY
Chambersburg Area Senior High School
Administration

Mr. Burdette (Buddy) Chapel......................................................... 261-3322
Mr. Brad Ocker, Associate Principal, Blue House, Grades 11 and 12 ............... 261-3323
Mrs. Lisa Schoenleber, Assistant Principal, White House, Grade 11 ............... 709-2326
Mrs. Michelle Holtry, Head Teacher, Grade 12 ....................................... 709-4024
Mr. Brian Zimmerman, Assistant Principal, Blue House, Grades 9 and 10 ........ 262-2283
Mr. Stan Shilling, Assistant Principal, White House, Grade 9 ....................... 261-5621
Mrs. Jaime Vinglas, Assistant Principal, Blue House, Grade 10 ..................... 261-3345
Jeremy Flores, Athletic Director .................................................... 267-4460

Counseling
2016-2017 Assignments

Mr. Steven McNew Grade 9 - student’s last name beginning A-K ............... 261-3339
Mrs. Lindsay Leonard Grade 9 - student’s last name beginning L-Z ............... 261-5615
Ms. Suzanne Eyer Grade 10 - student’s last name beginning A-K .................. 261-3341
Ms. Alecia Nezat-Pyne Grade 10 - student’s last name beginning L-Z .......... 261-3340
Mrs. Lisa Hill Grade 11 – student’s last name beginning A-K ....................... 261-5623
Mrs. Maria Reed Grade 11 – student’s last name beginning L-Z ................... 261-3337
Mrs. Audra Hochreiter Grade 12 – student’s last name beginning A-K .......... 261-3338
Mrs. Crystal Fatyol Grade 12 – student’s last name beginning L-Z ............... 261-5660
Mrs. Mary Miller Registrar/Secretary, Grades 11-12 .................................. 261-3342
Ms. Debbie Brookens Secretary/White House, Grade 9-10 ............................ 261-5622

A MESSAGE FROM THE CASHS COUNSELORS
Please read the first section of this book carefully. It contains pertinent information regarding areas such as graduation requirements, reasons for schedule changes, NCAA requirements for athletes and hints for Career Magnet School students. Appropriate course selection by students is a primary concern to us and it involves a cooperative effort. We welcome your input and inquiries. Please contact the Counseling Office if you need additional information on any of our courses or courses of study.
EDUCATIONAL PATHWAYS AT CHAMBERSBURG AREA SENIOR HIGH SCHOOL

The Educational Pathways program is both a process and a structure providing comprehensive information and guidance so students can make better informed decisions in career planning and educational course selections.

Starting in eighth grade, the Chambersburg Area School District encourages students to think seriously about their futures and plan an educational program that will provide the necessary knowledge and skills to succeed.

Four career clusters show students how the world of work is divided into meaningful, identified educational pathways:
- Fine Arts and Humanities
- Business/Technology
- Engineering/Industrial
- Health, Science and Human Services

Students learn about current trends in career development and make tentative choices about a chosen career. Then they review courses that make the choice a reality. Long-term career development encourages students and parents to make course selections based on student aptitudes, interests, developed skills, and current career information. Because of this new direction, students must consider curriculum selections and career choices together. Students and school counselors annually review these decisions.

It is a win-win situation for all stakeholders: students, parents, funding sources, community, and faculty. Because parents and students are active participants in the process, constant communications is vital. Students may engage in work-based learning activities such as job shadowing, co-op, and work experiences.

COURSE SELECTION

You may take any course appropriate to your ability and interest. We suggest that you carefully follow the recommended prerequisites and program of studies for your educational pathway. Any student who would like to take any course, but does not meet the recommended prerequisites, must have parents sign a waiver form requesting enrollment in that course.

COURSE CHANGES

Changes to a selected course may be made through the student’s counselor until one week prior to the first day of school. During the first week of school, changes will be made only for the following scheduling issues: (1) scheduling error; (2) scheduling conflicts (3) academic misplacement. No other changes will be considered unless they are of an extreme circumstance. Final scheduling decisions are subject to the discretion of the counseling and administrative team.

Following the first 10 days of the course, a student may not drop a course without administrative approval. Dropping a course after this time will result in an “Incomplete” grade on the student’s transcript.
COURSE LOAD
It is recommended that all CASHS students carry 6 or 7 credits.

GRADUATION REQUIREMENTS
A total of 23.0 credits in grades 9-12 are required for graduation. Seventeen of the 23.0 credits must be in major subject areas exclusive of: Band, Instrumental Music, Jazz Band, Symphonic Orchestra, Glee Club, and Elective Physical Education. Additional requirements are Information Communication Technology - .50, Wellness & Fitness-1.5 and proficiency on the Keystone Assessments.

Core Courses:

4.00 Credit Units English
4.00 Credit Units Math
3.00 Credit Units Science
3.50 Credit Units Social Studies
1.00 Credit Units Wellness & Fitness
.50 Credit Units Health
6.50 Credit Units Elective
.50 Information Communication Technology Applications

23.00

REQUIREMENTS FOR COLLEGE ENTRANCE
Requirements for college admissions vary widely. Consult college catalogs, web sites, college software in the Career Center, and counselors for specific information.

CASHS EXPANDED EDUCATIONAL OPPORTUNITIES
Chambersburg Senior High School has a commitment to our students to provide an educational experience that will help them to discover their pathway in life. That pathway can lead to the job market, the military, a certificate program in a technical school, a community college or a 4-year college.

Another important piece of this exploration is the opportunity to leave the high school campus and make post-secondary connections before graduation. CASHS strongly encourages students to think beyond the 12th grade and make plans for after graduation.

To this end, CASHS has compiled a listing of post-secondary opportunities that students can access while still in high school. We encourage students and their parents to take advantage of these experiences to learn, grow, and plan for the future.

ADVANCED PLACEMENT BACKGROUND
It is imperative that we continue to provide multiple opportunities for students to gain college credentials while in high school, as post-secondary education costs continue to rise. As we look into the future to 2020, we see the continued blurring of the lines between grades eleven through fourteen. The opportunities continue to grow for students who are ready to tackle the challenges of advanced course work.

Chambersburg Area Senior High School currently has four ways for students to gain college credits while still in High School:

1. Students may take “College in the High School” class at approximately $150.00 per class and a one-time registration fee of $35.00. Classes are taught by CASD teachers that are certified by the Harrisburg Area Community College (HACC) as adjunct professors.
Upon successful completion of the course(s) students will receive a college transcript from HACC (Anatomy and Physiology).

2. Students can participate in the Early to College Program (Part Time Early Studies for 11th and 12th grade students; Full Time Early Studies for 12th grade students). Students/parents are responsible for all college costs however many local colleges and universities offer reduced rates for Early to College students. Interested students should contact their grade level principal for approval and contact the college/university they wish to attend to complete an Early to College Application.

3. Students may receive college credit for scoring 3 or higher on Advanced Placement (AP) tests depending upon the college/universities AP policy. The cost to take the AP test is approximately $91.00.

4. Students may receive college credit by scoring a 5, 6, or 7 on an IB Higher Level Exam or by earning the IB Diploma.

**Advanced Placement Exam Fees**

Students taking AP courses are required to participate in the AP exam for that course in May. The cost of the exam is approximately $91.00, and payment will be due to the AP course instructor no later than the last day of the second full week of school. Failure to complete the course or participate in the AP exam will result in an “incomplete” for the course on the student’s transcript. Chambersburg Area School District will provide assistance with payment for students qualifying for free and reduced lunch. Any CASHS student taking an Advanced Placement exam and receiving a score of 4 or 5 can request to be reimbursed for the cost of the exam. Students can obtain the Advanced Placement Testing Reimbursement fee form from the website or Student Services Office. *Forms are due by August 2, 2016 to the District Office.*

**Advanced Placement Summer Assignments**

Upon enrolling in an Advanced Placement class at CASHS, students will be expected to complete summer assignments, which are very important to the AP Program and serve 3 purposes:

- They will help acquaint students with the rigorous workload involved in an AP class.
- They will help students complete the additional amount of material contained in an AP class.
- They will help students remain sharp and mentally active over the summer. It is our philosophy that we create life-long learners and the learning does not stop in June and begin in late August.

*All assignments are due July 28th* – failure to complete will result in removal from course.

It is the responsibility of the student to see the teacher of an AP course before the end of the school year in June to receive the assignments and materials needed for the summer assignments. All summer assignments will be available by early May. Assignments will be due by July 28th - students must make themselves aware of the deadlines.

*Failure to submit the summer assignments before or on the specified due date will result in removal from the course.* Plagiarism on the summer assignment will also result in the removal from the course. Exceptions will be made for students who move into the district over the summer months.
INTERNATIONAL BACCALAUREATE (IB)

The International Baccalaureate is a rigorous, two-year course of study for the 16-19 age range. There is a strong emphasis on international understanding, inquiry based learning, while encouraging students to be caring and open-minded. The Diploma Programme promotes a positive attitude for learning, achievement, and success.

Financial responsibilities of the IB Programme
(2015-2016 fees)

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The CASD is currently and will continue to explore ways to financially assist students who are in the IB Diploma Programme. CASD will reimburse the subject fee for each exam on which students score a 5, 6, or 7.

EARLY TO COLLEGE

The Early to College Program offers full time studies to seniors and part-time studies to juniors and seniors. Students who want to experience college classes may apply to participating local colleges of their choice for admission. Students must meet the CASD requirement of a 3.5 QPA for full-time and a 2.5 QPA for part-time studies as well as any college entrance requirements. The student and/or guardian are responsible for tuition, fees, books, transportation and all other costs. Credit earned at the college is eligible for high school credit, also. The full policy of requirements is on file with the counseling department.

Full-Time Early Studies
To provide the student with the greatest opportunity for success in this transition, the student should have the following to receive the recommendation of the principal:

1. Successful completion of the eleventh grade
2. Class rank in the upper tenth (1/10) or
3. Cumulative Q.P.A. of 3.5 or better
4. Minimum SAT scores as required by the college or university
5. The student must meet all the requirements for the early studies program at the college or university for which s/he is seeking admission.
6. The student must take at least twelve (12) credit hours per semester at the college or university with one course being English
7. Counselor-parent-principal interview must take place.
8. Recommendation of at least three (3) teachers of academic subjects.
9. Recommendation of the counselor and the principal
10. Tuition/books/transportation will be the responsibility of the student/parent(s).
The early studies student may receive his/her high school diploma upon successful completion of the freshman year at the college or university and must have at least a 2.0 average at the completion of the freshman year.

Students will not be eligible for class rank and coinciding recognition.

Students will be eligible to participate in extra-curricular & co-curricular activities. The early studies student may also participate in the high school Baccalaureate and Commencement programs.

**Part-time Early Studies**
To provide the student with the greatest opportunity for success in this transition, the student should have the following to receive the recommendation of the principal:

1. Successful completion of the tenth grade
2. Class rank in the upper quarter (1/4) or
3. Cumulative Q.P.A. of 2.5 or better.
4. The student must meet all the requirements for the early studies program at the college or university for which s/he is seeking admission.
5. The student may take only one (1) course per semester at the college or university, with exceptions approved by the principal.
7. Recommendation of at least three (3) teachers of academic subjects.
9. Tuition, books, fees and transportation will be the responsibility of the students/parents(s).

Courses taken at approved college or university programs will appear on student’s transcript but will not be weighted.

Students will be eligible to participate in extra-curricular & co-curricular activities.

**SUMMIT HEALTHCARE CAREERS INSTITUTE**
Summit Health and the Chambersburg Hospital have designed a program to give juniors and seniors an opportunity to explore various health care careers. Selected students will engage in critical thinking, observation, inquiry, assessment and reflection on possible career choices through education presentations, mentor relationships with multiple health care professionals and volunteer service experiences in a variety of health care settings. The institute is offered for one semester per year from 7:30 a.m. to 9:00 a.m. Monday through Friday. The experience is free of charge and the student earns .50 – 1.0 credits. An application and interview are required.

**CAPSTONE COOPERATIVE EDUCATION WORK EXPERIENCE**
All students earn school credit and are paid for work related to their studies.

To qualify for the **Capstone Cooperative Education Work Experience** paid work experience program, students must have a recommendation from their guidance counselor, the Co-Op Coordinators and their Assistant Principal. They must carry two full-year courses (two credits) in their chosen major in both their junior and senior year. Employment must be directly related to their major; i.e., Business Major—job as an office assistant, in marketing, sales, banking, general office work, etc.
The Co-Op Coordinators will complete scheduled and unannounced supervisory on-site visits regularly. Employer Evaluations are to be completed each marking period by the student’s employer.

DIVERSIFIED OCCUPATIONS COOPERATIVE EDUCATION WORK EXPERIENCE

Students earn school credit for participating in paid and unpaid learning experiences that relate to the field of study or their career objective they plan to pursue after graduation.

To qualify for the Diversified Occupations Cooperative Education Work Experience paid and unpaid work experience program, students must have a recommendation from their guidance counselor, the Co-Op Coordinators and their Assistant Principal. Students are highly encouraged to take additional coursework related to their chosen career objective. Student Work Experience must be related to the career that the student wishes to pursue after graduation; i.e., speech therapy, Christian ministry, drafting/engineering, etc.

The Co-Op Coordinator/s will complete scheduled and unannounced supervisory on-site visits regularly. Employer Evaluations are to be completed each marking period by the student’s employer.

ELEMENTARY EDUCATION—INTERNSHIP

This is an unpaid work experience for students wishing to enter the field of elementary or secondary education after graduation. Students will be placed in classroom assignments. Students earn school credits for this assignment.

To qualify for the Elementary Education – Internship unpaid work experience program, students must have a recommendation from their guidance counselor, the Co-Op Coordinators and their Assistant Principal.

The Co-Op Coordinators will complete scheduled and unannounced supervisory on-site visits regularly. Employer Evaluations are to be completed each marking period by the cooperating teacher. The cooperating teacher will also complete attendance records once a week.

CHILD DEVELOPMENT—INTERNSHIP

Students in the high school child development program can earn high school credits through this unique unpaid learning experience. All assignments are in a nursery school environment. Upon
completion of the classes and work experience, students can earn a level one childcare certificate. CASHS child development program is recognized by the state to award this certificate.

**TINY TROJANS PRE-SCHOOL LEARNING LAB**

Students in the high school child development program can earn high school credits through this unique unpaid learning experience. All assignments are in a nursery school environment. Upon completion of the classes and work experience, students can earn a level one childcare certificate. CASHS child development program is recognized by the state to award this certificate.
NCAA Eligibility Rules

What is the NCAA Eligibility Center? Why is it Important?
The NCAA Eligibility Center took over operations for the NCAA Initial-Eligibility Clearinghouse in November 2007. The Eligibility Center certifies the academic and amateur credentials of all students who want to play sports at an NCAA Division I or II institution as freshmen. In order to practice, play and receive an athletics scholarship, students need to meet certain academic benchmarks. An additional certification process exists to make sure the student is still an amateur, which is necessary in order for the student to compete.

\[
\text{Academic Credentials + Amateurism Status = College Eligible}
\]

What are the Academic Initial-Eligibility Requirements?
The following requirements must be met in order for a student to be able to practice, play and receive a scholarship at an NCAA Division I or II college or university.

**Division I**
1. Graduate from high school;
2. Complete a minimum of 16 core courses;
3. Present the required grade-point average (GPA) (see the sliding scale in the Guide for the College-Bound Student-Athlete for Division I);
4. Present a qualifying test score on either the ACT or SAT (see the sliding scale in the Guide for the College-Bound Student-Athlete); and
5. Complete the amateurism questionnaire and request final amateurism certification.

**Division I Core-Course Breakdown (Courses Must Appear on your List of Approved Core Courses)**
- 4 years of English
- 3 years of math (Algebra 1 or higher)
- 2 years of natural or physical science (including one year of lab science if offered by your high school)
- 1 extra year of English, math, or natural or physical science
- 2 years of social science
- 4 years of extra core courses from any category above, or foreign language, nondoctrinal/comparative religion/philosophy

**Division II**
1. Graduate from high school;
2. Complete a minimum of 14 core courses (Note: increase to 16 core courses for class of 2013 and beyond);
3. Present a minimum 2.000 core-course grade-point average (GPA);
4. Present a minimum 820 SAT score (critical reading and math only) or 68 sum ACT score qualifying test score on either the ACT or SAT; and
5. Complete the amateurism questionnaire and request final amateurism certification.

**Division II Core-Course Breakdown: (Courses Must Appear on your List of Approved Core Courses)**
- 3 years of English
- 2 years of math (Algebra 1 or higher)
- 2 years of natural or physical science (including one year of lab science if offered by your high school);
- 2 additional years of English, math, or natural or physical science (3 years required in 2013 and beyond)
- 2 years of social science
- 3 years of extra core courses from any category above, or foreign language, nondoctrinal/comparative religion/philosophy (4 years required in 2013 and beyond)
NCAA Division I Initial-Eligibility Requirements

Core Courses: (16)
- Initial full-time collegiate enrollment before August 1, 2016:
  - Sixteen (16) core courses are required (see chart below for subject-area requirements).
- Initial full-time collegiate enrollment on or after August 1, 2016:
  - Sixteen (16) core courses are required (see chart below for subject-area requirements).
  - Ten (10) core courses completed before the seventh semester; seven (7) of the 10 must be in English, math or natural/physical science.
  - These courses/grades are "locked in" at start of the seventh semester (cannot be repeated for grade-point average [GPA] improvement to meet initial-eligibility requirements for competition).
  - Students who do not meet core-course progression requirements may still be eligible to receive athletics aid and practice in the initial year of enrollment by meeting academic redshirt requirements (see below).

Test Scores: (ACT/SAT)
- Students must present a corresponding test score and core-course GPA on the sliding scale (see Page No. 2).
  - SAT: critical reading and math sections.
    - Best subscore from each section is used to determine the SAT combined score for initial eligibility.
  - ACT: English, math, reading and science sections.
    - Best subscore from each section is used to determine the ACT sum score for initial eligibility.
  - All ACT and SAT attempts before initial full-time collegiate enrollment may be used for initial eligibility.
  - Enter 9999 during ACT or SAT registration to ensure the testing agency reports your score directly to the NCAA Eligibility Center. Test scores on transcripts will not be used.

Core Grade-Point Average:
- Only core courses that appear on the high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org) will be used to calculate your core-course GPA. Use this list as a guide.
- Initial full-time collegiate enrollment before August 1, 2016:
  - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.0) on Sliding Scale A (see Page No. 2).
  - Core-course GPA is calculated using the best 16 core courses that meet subject-area requirements.
- Initial full-time collegiate enrollment on or after August 1, 2016:
  - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B (see Page No. 2).
  - Core-course GPA is calculated using the best 16 core courses that meet both progression (10 before seventh semester; seven in English, math or science; "locked in") and subject-area requirements.

### Division I

**Core Course Requirement (16)**
- 4 years of English
- 3 years of math (Algebra I or higher)
- 2 years of natural/physical science
- 1 year of additional English, math or natural/physical science
- 2 years of social science
- 4 years of additional courses (any area above, foreign language or comparative religion/philosophy)

### Division I - 2016 Qualifier Requirements

- 16 core courses
  - Ten (10) core courses completed before the start of seventh semester. Seven (7) of the 10 must be in English, math or natural/physical science.
  - "Locked in" for core-course GPA calculation.
- Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B (see Page No. 2).
- Graduate from high school.

### Division I - 2016 Academic Redshirt Requirements

- 16 core courses
  - No grades/credits "locked in" (repeated courses after the seventh semester begins may be used for initial eligibility).
- Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.000) on Sliding Scale B (see Page No. 2).
- Graduate from high school.
Division II Initial-Eligibility Requirements

Core Courses

- Division II currently requires 16 core courses. See the chart below.
- Beginning August 1, 2018, to become a full or partial qualifier for Division II, all college-bound student-athletes must complete the 16 core-course requirement.

Test Scores

- Division II currently requires a minimum SAT score of 820 or an ACT sum score of 68. Beginning August 1, 2018, Division II will use a sliding scale to match test scores and core-course grade-point averages (GPA). The sliding scale for those requirements is shown on Page No. 2 of this sheet.
- The SAT score used for NCAA purposes includes only the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a sum of the following four sections: English, mathematics, reading, and science.
- When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.

Grade-Point Average

- Be sure to look at your high school’s List of NCAA Courses on the NCAA Eligibility Center’s website (www.eligibilitycenter.org). Only courses that appear on your school’s approved List of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.
- The current Division II core GPA requirement is a minimum of 2.000. Division II core GPA required to be eligible for competition on or after August 1, 2018, is 2.000 (corresponding test-score requirements are listed on the Sliding Scale on Page No. 2 of this sheet).
- The minimum Division II core GPA required to receive athletics aid and practice as a partial qualifier on or after August 1, 2018, is 2.000 (corresponding test-score requirements are listed on the Sliding Scale on Page No. 2 of this sheet).
- Remember, the NCAA core GPA is calculated using NCAA core courses only.

**DIVISION II**

**16 Core Courses**

1. 3 years of English.
2. 2 years of mathematics (Algebra I or higher).
3. 2 years of natural/physical science (1 year of lab if offered by high school).
4. 3 years of additional English, mathematics or natural/physical science.
5. 2 years of social science.
6. 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy).
## AGRICULTURE EDUCATION MASTER COURSE LISTING

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Weighted Value</th>
<th>Credit Value</th>
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<tbody>
<tr>
<td>G101</td>
<td>CP Veterinary Science I</td>
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<tr>
<td>G103</td>
<td>CP Veterinary Science II</td>
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<tr>
<td>G111</td>
<td>Supervised Agriculture Ed Experience Project I</td>
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<td>1.0</td>
</tr>
<tr>
<td>G114</td>
<td>Small Animal Care and Management</td>
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<td>G118</td>
<td>Small Engine Theory and Repair</td>
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</tr>
<tr>
<td>G119</td>
<td>Welding Practices &amp; Processes</td>
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<tr>
<td>G124</td>
<td>Agriculture Mechanics and Technology</td>
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<td>Large Animal Science</td>
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<td>Greenhouse Systems Management</td>
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<tr>
<td>G130</td>
<td>Floral Design and Arrangement</td>
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<tr>
<td>G131</td>
<td>Forest &amp; Wildlife Management</td>
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<tr>
<td>G132</td>
<td>Introduction to Modern Horticulture</td>
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<tr>
<td>G134</td>
<td>Supervised Ag Ed. Experience Project II</td>
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<td>G135</td>
<td>Supervised Ag Ed. Experience Project III</td>
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<td>G136</td>
<td>Aquatics and Natural Resource Management</td>
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<td>G137</td>
<td>Landscape Design &amp; Installation/Turfgrass Mgmt.</td>
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<tr>
<td>G140</td>
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### Traditional Academics

#### Grade 9:
- Introduction to Modern Horticulture
- Small Animal Care & Management

#### Grade 10:
- Large Animal Science
- Greenhouse Systems Mgmt
- Supervised Agricultural Experience I

#### Grade 11:
- CP Veterinary Science I
- Floral Design and Arrangement
- Supervised Agricultural Experience II

#### Grade 12:
- CP Veterinary Science II
- Aquatics & Natural Resource Mgmt.
- Supervised Agricultural Experience III

### Technical Academics

#### Grade 9:
- Agricultural Mechanics & Technology
- Forestry & Wildlife Mgmt

#### Grade 10:
- Small Engine Theory & Repair
- Greenhouse Systems Mgmt
- Landscape Design & Turfgrass Mgmt
- Supervised Agriculture Ed Experience I

#### Grade 11:
- Welding Process & Practices
- Aquatics & Natural Resource Mgmt.
- Supervised Agricultural Experience II

#### Grade 12:
- Welding II
- Supervised Agricultural Experience III
- Agriculture Work Experience - COOP
AGRICULTURE EDUCATION DEPARTMENT

CP VETERINARY SCIENCE I

G101  .5 credit
PREREQUISITE: Recommended to take at least one of the following courses prior to this course - Algebra, Biology, Small Animal Care Mgmt., Large Animal Science. Recommended for Major/Elective non-major interested in a career in animal health.

This course is designed to explore careers in animal health by studying various physiological systems of animals, disease and parasites, pest control and effective treatment of health problems in animals. The course will address guidelines to career opportunities.

CP VETERINARY SCIENCE II

G103  .5 credit
PREREQUISITE: CP Veterinary Science I. Recommended for Major/Elective non-major interested in a career in animal science.

This course will investigate more deeply the anatomy and physiology of animal systems and diseases associated with the systems. Also studied will be specific pathogens and preventative management. The course will address guidelines to career opportunities.

AQUATICS AND NATURAL RESOURCE MANAGEMENT

G136  .5 Credit
PREREQUISITE: None

Students interested in utilizing/protecting our natural resources or studying aquatics habitats are encouraged to enroll in this course. The course incorporates wetland projects. The course is designed to appeal to students that are interested in Pennsylvania aquatic ecosystems and outdoor activities. Students will gain hands-on experience while learning the basics about the practical management of fisheries and utilizing various types of natural resources in a sustainable fashion. Careers in land use/planning, soil/resource conservation, and water resources will be explored. The course will address guidelines to career opportunities.

LANDSCAPE DESIGN AND INSTALLATION/TURFGRASS MANAGEMENT

G137  .5 Credit
PREREQUISITE: Grades 10, 11 and 12

This course is recommended for students interested in pursuing careers in the landscape/turf maintenance industry as well as hobby gardeners interested in home landscaping. Topics covered in this course include landscape design, plant propagation, soils, hardscaping, and more. Students will also become familiar with plant materials used in landscaping as well as create a scale landscape model as a final project.

GREENHOUSE SYSTEMS MANAGEMENT

G129  .5 Credit
PREREQUISITE: Recommended that students successfully complete the Introduction to Modern Horticulture course prior to enrolling in this course.

Recommended for students interested in growing, using, and marketing plants for both aesthetic and food purposes. Students in this course will learn how to utilize various types of greenhouse production systems to efficiently and correctly produce plant crops. Hydroponic growth systems will be a large focus of the class in addition to greenhouse environmental control and basic principles of plant management. Students will have the opportunity to oversee the production of various greenhouse crops and develop practical skills necessary in the greenhouse production industry. The course will address guidelines to career opportunities.
FLORAL DESIGN & ARRANGEMENT

G130
PREREQUISITE: None
Recommended for students interested in flower production and designing floral arrangements. Students will learn flower identification and how to construct corsages, boutonnieres, bud vases, centerpieces, symmetric and asymmetric designs, dish gardens, swags, wreaths, and wedding planning and designs. This class focuses on hands-on experience in the construction of flower arrangements. The course will address guidelines to career opportunities.

FORESTRY AND WILDLIFE MANAGEMENT

G131
PREREQUISITE: None
Recommended for students interested in wildlife and forestry. This course is designed to appeal to students who enjoy the environment and outdoor activities such as hunting and hiking. This will be a project based course. Students will be designing projects for wildlife studies. Students will gain hands-on experience while learning the basics about practical management of forests and Pennsylvania wildlife. Topics such as habitat conservation, population management and land use planning will be discussed. Careers in forestry, soil conservation, and wildlife law enforcement will be explored. The course will address guidelines to career opportunities.

SUPERVISED AGRICULTURAL EDUCATIONAL EXPERIENCE PROJECT I

G111
PREREQUISITE: None
This course is designed for the student wishing to study agricultural and environmental subjects in the agriculture community. A student may receive up to one credit per school year. A supervised agricultural experience project record program shall document 180 hours of experience in the agricultural industry, or a combination totaling 180 hours of project experience, community service and leadership activities. The course will address guidelines to career opportunities.

SUPERVISED AGRICULTURAL EDUCATIONAL EXPERIENCE PROJECT II

G134
PREREQUISITE: Completion of Supervised Agricultural Educational Experience Project I
As a continuation of or addition to Supervised Agricultural Experience I, this course is designed for the student wishing to study agricultural and environmental subjects in the agricultural community. A student may receive up to one credit per school year. A supervised agricultural experience project record program shall document 180 hours of experience in the agricultural industry, or a combination totaling 180 hours of project experience, community service and leadership activities. The course will address guidelines to career opportunities.
SUPERVISED AGRICULTURAL PROJECT III

G135   1 Credit
PREREQUISITE: Successful completion of Supervised Agricultural Educational Experience II
As a continuation of or addition to Supervised Agricultural Experience I and II, this course is
designed for the student wishing to study agricultural and environmental subjects in the
agriculture community. A student may receive up to one credit per school year. A supervised
agricultural experience project record program shall document 180 hours of experience in the
agricultural industry, or a combination totaling 180 hours of project experience, community
service and leadership activities. The course will address guidelines to career opportunities.

SMALL ANIMAL CARE AND MANAGEMENT

G114     .5 Credit
PREREQUISITE: None
This course is for students interested in the care and management of pets and companion
animals. Study will include mammals, birds and fish. Hands on experiences will come
from lab and the daily maintenance of in-class pets. Health, safety, feeding and careers
will be emphasized with each specie studies. The course will address guidelines to
career opportunities.

LARGE ANIMAL SCIENCE

G127    1 Credit
PREREQUISITE: None
Recommended for students interested in large animals including horses. This course is designed
to give students a look at all types of livestock & horse production. Includes
industry history, careers, safety, environmental considerations, and details of
production management, feeding, health, genetics, and unique animal
enterprises. Plus, addresses issues in food safety, and animal rights. Hands on
experiences including food preparation, dissection, and animal handling are a
part of this course.

WELDING PRACTICES AND PROCESSES

G119    .5 Credit
PREREQUISITE: Grades 10, 11 and 12
In this course, students will study basic theory and concepts regarding modern metalworking and
welding. Students will explore career opportunities in the welding industry. The goals of this
course is to learn and practice basic methods of arc welding, oxyacetylene cutting, plasma cutting
and MIG Welding as well as develop shop management and organization skills. This course is a
great introductory course for a career in welding, fabrication, repair, and maintenance.

WELDING II

G140    .5 Credit
PREREQUISITE: Completion of Welding Practices and Processes, Grades 10, 11 and 12
In this course, students will apply basic theory and concepts learned in the Welding I course.
Students will continue to explore career opportunities in the welding industry. The goal of this
course is to utilize previously learned skills in an advanced context, as well as learn and practice
basic MIG/TIG welding and plasma cutting. This course is a great follow-up course for students
seriously pursuing a career in welding, fabrication, repair, and maintenance.
SMALL ENGINE THEORY AND REPAIR

G118 .5 Credit
PREREQUISITE: None
Recommended for students interested in the safe operation of small engines widely used in the United States today. In this course, students will study basic engine theory and operation. Students will also practice disassembling/reassembling engines as well as develop shop management and organization skills. This course is a great introductory course for a career in engine design, fabrication, repair, and maintenance.

AGRICULTURAL MECHANICS AND TECHNOLOGY

G124 1 Credit
PREREQUISITE: None
This course is designed for students interested in gaining knowledge and skills in agricultural mechanics. The student will gain skills in safe operation and handling of equipment. Students will explore skills in carpentry, building construction, electricity, plumbing, tractors, welding, and metal fabrication. The course will address guidelines to career opportunities.

INTRODUCTION TO MODERN HORTICULTURE

G132 .5 Credit
PREREQUISITE: None
Designed for students interested in plants, this course will provide a comprehensive view of the modern horticultural industry. Topics such as flower/bedding plant production, food crops, floral design, basic plant science/physiology, and soil science will be addressed. Through various hands-on activities, students will learn valuable skills needed for a career in various components of the horticultural industry. It is suggested that students complete this course before enrolling in the "Greenhouse Systems Management" course.

LEADERSHIP

G138 .5 Credit
PREREQUISITE: None
This course is designed for students who have an interest in being a leader in their chosen field. The focus is on agriculture, but the course can be applied to many disciplines. Students enrolled in this course will develop individual area of study based around their personal interests while still meeting course guidelines. Students examine highly successful leaders and learn about themselves as developing leaders. Student projects include planning agriculture related lessons and presenting them at area elementary schools in 5th grade classrooms, they will develop and implement budgets, practice public speaking skills, as well as focus their attention on preparing for Career Development Events and Competitions. Leadership within the career and college context is a main focus of this course.
ART MASTER COURSE LISTING

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Weighted Value</th>
<th>Credit Value</th>
</tr>
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<tbody>
<tr>
<td>A100</td>
<td>Design and Communication</td>
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<tr>
<td>A101</td>
<td>Drawing and Painting I</td>
<td>1.0</td>
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<td>A102</td>
<td>Drawing and Painting II</td>
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<td>1.0</td>
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<tr>
<td>A104</td>
<td>Portfolio Art</td>
<td>1.0</td>
<td>2.0</td>
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<tr>
<td>A105</td>
<td>Art Exploration</td>
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<td>0.5</td>
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<tr>
<td>A109</td>
<td>3-D Design and Sculpture</td>
<td>1.0</td>
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<tr>
<td>A110</td>
<td>Advanced 9th Grade Art</td>
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<tr>
<td>A111</td>
<td>Clay I</td>
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<tr>
<td>A112</td>
<td>Clay II</td>
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<tr>
<td>A500</td>
<td>AP Studio Art</td>
<td>1.4</td>
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</table>

SUGGESTED SEQUENCES IN ART

**Light Interest in Art**

Grade 9:
- Art Exploration

Grade 10:
- 3D Design and Sculpture
- Design and Communication

Grade 11:
- 3-D Design and Sculpture
- Design and Communication
- Clay I

Grade 12:
- Clay II
- 3-D Design and Sculpture
- Design and Communication

**Strong Interest in Art**

Grade 9:
- *Advanced 9th Grade Art
- Design and Communication

Grade 10:
- *Drawing and Painting I
- 3D Design and Sculpture

Grade 11:
- *Drawing and Painting II
- Clay I
- 3-D Design and Sculpture

Grade 12:
- *Portfolio Art/AP Studio Art
- Clay II
- 3-D Design and Sculpture

*courses that should be taken in sequence for serious art students
ART DEPARTMENT
DESIGN AND COMMUNICATION

**A100**  
**.5 Credit**  
**PREREQUISITE:** None  
This course explores media and techniques, the study of color and design. Emphasis is on two-dimensional design, mixed media, and cultural and career exploration. Appreciation units and critiques teach the language of design.

**DRAWING AND PAINTING I**  
**A101**  
**1 Credit**  
**PREREQUISITE:** None - Grades 10-12 Only  
This course is designed for students wishing to pursue upper level art courses. An emphasis on developing an understanding of the Elements of and Principles of Design and how to apply them in their work is an area of great focus in this course. Students will develop more mature compositions and complete written critical assessments of artworks to gain a greater understanding of the visual arts. Homework will be assigned in addition to in-class work. Still-life, landscape, perspective, portraiture, figures and nature are developed in pencil, charcoal, pastel, pen and ink, watercolor and acrylic. Units of art appreciation include Renaissance Art, Impressionism. This includes field trips to Washington, DC art museums. *Ninth Grade students may not enroll in this course.*

**DRAWING AND PAINTING II**  
**A102**  
**1 Credit**  
**PREREQUISITE:** Drawing and Painting I  
This course emphasizes creativity and developing individuality in artistic style. Media used in Drawing and Painting I will be further explored and additional media experienced, such as oil pastel, scratchboard, airbrush, digital media, and canvas stretching for acrylic painting. Units of art appreciation cover art through the late 19th century through Modern Art. This course includes field trips to Washington, DC art museums.

**3-D DESIGN AND SCULPTURE**  
**A109**  
**.5 Credit**  
**PREREQUISITE:** None  
This course is designed for students with a serious interest in exploring sculptural art forms and the thought that goes into them. The course combines making, discussing, and writing about various sculptural approaches with assorted media. Areas of exploration include constructed forms, modeled forms, sculpted forms, and casting. Media include cardboard, foam board, clay, carving media, plaster. Outside drawings are required, critiques and journals are used to teach the language of art and design.

**PORTFOLIO ART**  
**A104**  
**2 Credits**  
**PREREQUISITE:** Drawing and Painting II  
This course is an independent study course for the art student seriously interested in art and in the development of a portfolio of work for college entrance or job opportunity. Students have a choice of projects, media, and art appreciation reports which meet the variety requirements of the portfolio. There are no project introductions or demonstrations. Individual responsibility for productive work habits in class is required. Instruction is entirely by individual assistance and critical evaluation.
ART EXPLORATION

*A105*  
.5 Credit  
PREREQUISITE: None  
This course is designed as a general overview of Fine Arts. The course will introduce students to a variety of art making materials and techniques. Students will be introduced to art history and art theory. Homework will be assigned and a textbook may be included in the experience. Students should finish the course with a mastery of tool usage and basic drawing/painting/design techniques.

ADVANCED 9th GRADE ART

*A113*  
.5 Credit  
PREREQUISITE: None – 9th Grade Students Only  
This course is designed to challenge creative individuals and is primarily for 9th grade students interested in continuing their art studies through high school and beyond. Students will be introduced to areas of art & 3-D design that will be further developed at the high school level. Advanced drawing and design techniques will be taught and developed. Students will be assigned sketchbooks and will have weekly assignments. Course will focus on the creation of works of art and the perception and understanding of it. *This course is designed for the serious art student who is willing to complete outside assignments, be self-motivated and desires to take Drawing and Painting I in 10th grade.*

CLAY I

*A111*  
.5 Credit  
PREREQUISITE: None  
Clay I is a semester-long course offered by the Art Department. In this hands-on course, students will learn about the basic fundamentals and principles of clay and its use as an artistic medium. Students will make a variety of functional containers through the application of various hand-building techniques. Additionally, students will learn to make clay pots with the aid of an electric potter’s wheel. Students will also have the opportunity to create sculptural pieces with clay.

CLAY II

*A112*  
.5 Credit  
PREREQUISITE: Clay I  
Clay II is a semester-long course. Success completion of Clay I. Students will focus on creating various forms on the potter’s wheel in addition to learning complex hand-building techniques. All skills learned in Clay I will be utilized and expanded upon as students develop functional and sculptural artwork. Additionally, students will focus more on the glazing process to refine their fired clay work.

AP STUDIO ART

*A500*  
(1.4 Weight)  
2 Credits  
PREREQUISITE: Drawing and Painting II; Completion of Summer Assignment by Deadline.  
This course is an independent study program for students seriously committed to studying art. The course follows guidelines and requirements set by the College Board, which includes submitting a portfolio to the College Board for review and grading. This submission requires an Advanced Placement Examination fee. AP course will have summer assignments. Due to possible scheduling conflicts, students may have to choose among the various AP offerings. *Taking an AP course requires payment for the AP exam and all students enrolled in an AP course must take the AP exam. Reimbursement is available as per school policy.*
## BUSINESS AND TECHNOLOGY MASTER COURSE LISTING

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
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<td>Diversified Occupations –COOP</td>
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<td>B122</td>
<td>HealthCare Careers Institute</td>
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<td>B125</td>
<td>Dollars and Sense: Teen Finance (e-learning online course)</td>
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<td>Sports and Entertainment Marketing</td>
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<td>Community Service Learning</td>
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<td>B139</td>
<td>Mobile Application Development</td>
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## SUGGESTED SEQUENCES IN BUSINESS AND TECHNOLOGY

### Accounting

**Traditional Academics**

**Grade 9:**
- Information Communication Technology (ICT)
- Dollars and Sense: Teen Finance

**Grade 10:**
- Accounting I
  - Follow recommended course selection for pathway.

**Grade 11:**
- Accounting II
  - Follow recommended course selection for pathway.

**Grade 12:**
- Accounting III
  - Business Law
  - Follow recommended course selection for pathway.

**Technical Academics**

**Grade 9:**
- Information Communication Technology (ICT)
- Dollars and Sense: Teen Finance

**Grade 10:**
- Accounting I
- Business 101
  - Follow recommended course selection for pathway.

**Grade 11:**
- Accounting II
  - Entrepreneurship
  - Follow recommended course selection for pathway.

**Grade 12:**
- Accounting III
  - Web MultiMedia Production
  - Follow recommended course selection for pathway.
### Traditional Academics

#### Grade 9:
- Information Communication Technology (ICT)
- Dollars and Sense: Teen Finance

#### Grade 10:
- Accounting I
- Business 101
  - Follow recommended course selection for pathway.

#### Grade 11:
- Sports and Entertainment Marketing
  - Personal Finance Management
  - Entrepreneurship
- Adv. Computer Application Skills
  - Follow recommended course selection for pathway.

#### Grade 12:
- Business Law
- Acct II
- Sports and Entertainment Marketing
  - Follow recommended course selection for pathway.

### Technical Academics

#### Grade 9:
- Information Communication Technology (ICT)
- Dollars and Sense: Teen Finance

#### Grade 10:
- Accounting I
- Sports and Entertainment Marketing
  - Personal Finance Management
  - Follow recommended course selection for pathway.

#### Grade 11:
- Sports and Entertainment Marketing
- Accounting
  - Follow recommended course selection for pathway.

#### Grade 12:
- Business Law
- Mobile Apps or Web Multimedia Production
  - Follow recommended course selection for pathway.

### Computer Information Management

### Traditional Academics

#### Grade 9:
- Information Communication Technology (ICT)

#### Grade 10:
- A+ Computer Repair or C++
  - Follow recommended course selection for pathway.

#### Grade 11:
- C++ Computer Programming
- Web MultiMedia Production
  - Follow recommended course selection for pathway.

#### Grade 12:
- C++
- Mobile Apps
  - Follow recommended course selection for pathway.

### Technical Academics

#### Grade 9:
- Information Communication Technology (ICT)

#### Grade 10:
- A+ Computer Repair
  - Follow recommended course selection for pathway.

#### Grade 11:
- C++ Computer Programming
- Web MultiMedia Production
  - Follow recommended course selection for pathway.

#### Grade 12:
- C++
- Mobile Apps
  - Follow recommended course selection for pathway.
BUSINESS AND TECHNOLOGY DEPARTMENT

ACCOUNTING I
B100  1 Credit
PREREQUISITE: Recommended for 9th and 10th grade students
Accounting is an excellent foundation course for students who plan to enroll in the accounting curriculum or related business programs (accounting, business, finance, law, management, or marketing) in college as well as for those students who plan to enter the business world upon high school graduation. Students learn the theory of accounting and receive practice in recording business transactions. Students will prepare income and expense statements and determine profit earnings of a business. Students will learn the complete accounting cycles of proprietorships and partnerships. A real life simulation involving the preparation of records for business is included. The use of computer technology is integrated throughout this course.

ACCOUNTING II
B101  1 Credit
PREREQUISITE: Accounting I
Accounting II provides advanced level of study of accounting principles, concepts, procedures, and terminology associated with corporations. Students will learn departmentalized accounting and accounting control systems including inventory management. Students will work on accounting simulations and projects to gain competence in this field. The use of computer technology is integrated throughout this course.

ACCOUNTING III
B300  1 Credit
PREREQUISITE: Accounting I and II
Accounting III with Computer Applications is designed for students who are planning to pursue a career in accounting directly upon graduation, or for students who are planning to continue their accounting education at a two or four year institution. This course explores various aspects of accounting, including accounting control systems, accounting adjustments, management accounting, cost accounting, not-for-profit accounting, and financial analysis. The use of computer technology is integrated throughout this course.

BUSINESS LAW
B118  1 Credit
PREREQUISITE: Recommended for 11th and 12th Grade
Few subjects are as dramatic and challenging as the law. This course is designed to introduce students with the basic legal principles common to business and personal activities. Topics include evaluating contracts, family and consumer issues, credit law, buying and selling, employment contracts, and real estate. Because laws grow from human conflict, lawsuits are often emotional, complex, and costly. An awareness of legal problems that may confront young adults is one of the objectives of this course.
WEB MULTIMEDIA PRODUCTION  
(Desktop Publishing & Web Design)  
B136  
PREREQUISITE: None; Recommended for 11th and 12th Grade  
This fun course provides students with the opportunity to learn WEB PAGE DESIGN, creation of DIGITAL GRAPHICS and ANIMATION for the web and DESKTOP PUBLISHING. Students will learn the following software: Adobe Photoshop, HTML programming, Flash & Dreamweaver. Students will publish hands-on projects such as creating, designing and posting web sites, designing magazine covers and music CD’s creating animations and rollover effects.

SPORTS AND ENTERTAINMENT MARKETING  
B128  
PREREQUISITE: Recommended for 11th and 12 Grade Major  
Sports & Entertainment Marketing will take a hands-on look at the tactics used to promote events and products to fans. You will investigate the resources and means that marketers use to get into the buyers head and convince you that their product is superior. This course will also use Virtual Business Sports software to run and manage a football franchise.

PERSONAL FINANCIAL MANAGEMENT  
B109  
PREREQUISITE: Recommended for 10th, 11th and 12th Grade – Follow up class to Dollars and Sense Course  
Students will learn practical money skills. Students will design their own personal financial plan, select between various saving and investment options, find and use investment information, and recognize and victim-proof against investment fraud. Topics of study include budgeting, credit, investing (stocks, bonds, annuities, mutual funds, pensions), employment benefits, and labor laws. This course will teach students how financial markets work. Students will learn how to successfully manage their money now and in their future.

ENTREPRENEURSHIP  
B130  
PREREQUISITE: 10th, 11th and 12th Grade  
The Entrepreneurship course will teach the students the skills necessary to become a successful entrepreneur through a hands-on approach. Those students with an interest in being his or her own boss someday or have a skill or an idea that could make lots of money, should enroll in this course. Students will develop entrepreneurial knowledge, skills, and attitudes, while learning the process of choosing, researching, planning, and operating a small business of their own design. Student will identify and develop necessary business skills, scan the community for small business opportunities, and prepare a business plan for their own future business idea.

A+ COMPUTER REPAIR AND MAINTENANCE  
B110  
PREREQUISITE: Recommended for 11th and 12th Grade  
The A+ computer hardware and operating systems program is a one-year course. The class allows students to learn what is in the computer and how it works. The first half of the year the students learn all about the hardware in a PC from the motherboard and power supply to the disk drives. The second half of the year the students will learn about the operating systems of the computer (DOS/Windows). Students will be able to apply their knowledge by building and networking computers together. This program prepares the student to sit for their A+ certification.
The students who successfully complete this course will get a 50% discount on the price of the test when they take it. Course may be articulated to local post-secondary institutions.

EMPLOYABILITY SKILLS FOR THE 21ST CENTURY

*B132* .5 Credit

**PREREQUISITE:** Grades 9-12

Entering the world of work can be exciting. This one semester (18 week) course is designed to prepare students to meet the needs of the employment community and to develop awareness of trends that are occurring in our global markets. Learning employability skills is an essential investment required for success in the 21st century. **This course is required for all students who are enrolled in the Co-Op program at CASHS.**

DOLLARS AND SENSE: TEEN FINANCE

*B125* .5 Credit

**PREREQUISITE:** Recommended for 9th, and 10th Grade

This interactive course will develop your understanding of personal money management and financial planning skills along with how to “Be Your Own Boss.” You will use fun, interactive, computer-based materials including personal finance simulations. The class makes use of teamwork and group-oriented activities that will help you to develop your personal strengths and interpersonal skills. You will learn about *Living on Your Own*, *Earning a Paycheck*, *Car Buying* and *Costs of Owning a Car*, *Using Credit Cards and Loans*, and *Planning Your Future*. This class will benefit all students on a personal level and especially those who plan to enter the business world at some point in time. New hands-on simulation “Personal Finance,” allows students to run their personal finance simulation on the computer, from beginning to end of their career.

BUSINESS 101

*B136* .5 Credit

**PREREQUISITE:** Recommended for grades 9-11

School Based Enterprises is a semester long course designed to teach and guide students with the knowledge needed to participate in a School Based Enterprise experience. The course will be designed for students to prepare themselves to work within one of the CASHS School Based Enterprises (Student Store, Yearbook, Greenhouse, Credit Union, Vending or Coffee Shop). The course will highlight the elements of establishing, operating, and financing a small entrepreneurial business. Marketing, management, accounting, and operation of a small school based business will be emphasized in the course. Throughout the course work, the students will research all of the above criteria based upon the school based enterprise for their career path, and begin work designing the framework for their school based enterprise experience. Students will cover materials associated with Human Resources, job search/application, and other employability skills.

MOBILE APPLICATION DEVELOPMENT

*B139* 1 Credit

**PREREQUISITE:** Grades 10, 11 and 12

This course is an introduction to the Android object-oriented platforms. This project-based course introduces students to multi-platform digital media and environments. Students will gain an understanding of mobile application development through the study of development platforms, programming languages, and software design standards. Students learn to problem solve, work in project teams, and how to ethically use digital media to solve real-world problems. Course will include business focus on foundational business principles including needs assessment, market research, beta testing, and marketing and selling the product.
INFORMATION COMMUNICATION TECHNOLOGY APPLICATIONS

B140  .5 Credit
PREREQUISITE: Grade 9 Only
This class is designed to address 21st century learning. In this semester-long course, students will learn the skills and disposition necessary to navigate and contribute to today’s information-rich society. Students will learn to access and research high-quality information from diverse perspectives and to make sense of it to draw their own conclusions or create new knowledge. Students will share their new knowledge through oral presentations, multi-media presentations, and written formats.

CAPSTONE COOPERATIVE EDUCATION EDUCATION WORK EXPERIENCE

B119 Up to 3 Credits
PREREQUISITE: Seniors Only; the student must initiate the process of entering the Cooperative Education Program by completing a resume, the Co-op Program Student Recommendation, and the Application for Cooperative Education. Both forms are included in the Co-Op Scheduling Packet. Students also must participate in a formal interview. **ALL DEADLINES MUST BE FOLLOWED.**

Cooperative Education is one segment of the school-to-work system that enables students to combine academic instruction with occupational instruction through learning on the job in a career area of their choice.

Students have the opportunity to earn school credit in a paid work experience directly related to their educational pathway and career objective in one of the following areas: business, agriculture, construction technology, art or music. Students must carry two full-year courses (two credits) in their chosen career path in both their junior and senior year.

***All programs within Cooperative Education require complete student commitment. Any student starting a program and not completing all curriculum, portfolio and time requirements will receive an “I” grade recorded on their transcript.

COOPERATIVE EDUCATION DIVERSIFIED OCCUPATIONS

B121 Up to 3 Credits
PREREQUISITE: Seniors only; the student must initiate the process of entering the Cooperative Education Program by completing a resume, the Co-op Program Student Recommendation, and the Application for Cooperative Education. Both forms are located in the Co-Op Scheduling Packet. Students earn school credit for participating in paid and unpaid learning experiences that relate to the field of study or their career objective they plan to pursue after graduation. **ALL DEADLINES MUST BE FOLLOWED.**

Cooperative Education is one segment of the school-to-work system that enables students to combine academic instruction with occupational instruction through learning on the job in a career area of their choice.

Seniors have the opportunity to earn school credit in a paid or unpaid work experience and/or internships directly related to their educational pathway and career objective that they wish to pursue after graduation or after completing post-secondary training.

***All programs within Cooperative Education require complete student commitment. Any student starting a program and not completing all curriculum, portfolio and time requirements will receive an “I” grade recorded on their transcript.
**COOPERATIVE EDUCATION - ELEMENTARY INTERNSHIP**

*B120  Up to 3 Credits*

**PREREQUISITE:** Seniors only; the student must initiate the process of entering the Cooperative Education Program by completing a resume, the Co-Op Program Student Recommendation, and the Application for Cooperative Education.

Both forms are included in the Co-Op Scheduling Packet. Students must also participate in a formal interview. **ALL DEADLINES MUST BE FOLLOWED.**

Cooperative Education is one segment of the school-to-work system that enables students to combine academic instruction with occupational instruction through learning on the job in a career area of their choice.

Seniors have the opportunity to earn school credit in an unpaid internship for students who plan to enter the field of elementary or secondary education after graduation and after completing post-secondary training. Students will be placed in a classroom assignment.

***All programs within Cooperative Education require complete student commitment. Any student starting a program and not completing all curriculum, portfolio and time requirements will receive an “I” grade recorded on their transcript.***

**COOPERATIVE EDUCATION - HEALTHCARE CAREERS INSTITUTE**

*B122  Up to 1 Credit*

**PREREQUISITE:** Application Process and Interview, Grades 11 and 12

This course is designed to direct Franklin County freshman, sophomore, juniors and seniors in the exploration of various healthcare careers in real life experience. The 18-week HCI course places emphasis on the development of patient care and responsibility, personal strengths and skills, as well as vital soft skills for employment. Students are required to observe in a minimum of 20 departments of the hospital for a period of one or two days, and then spend a concentrated period of time in the one or two departments for the remainder of the semester hours. Students will also be required to attend orientation and information classes, as well as meet class requirements. The entire program takes place on the site of Chambersburg Hospital or at satellite Summit Healthcare offices. Students are responsible for their own transportation to the facilities. Classes meet from 7:30 a.m. – 9:30 a.m., Monday through Friday. The institute is free of charge and the student earns school credit. An application and interview are required.

***All programs within Cooperative Education require complete student commitment. Any student starting a program and not completing all curriculum, portfolio and time requirements will receive an “I” grade recorded on their transcript.***

**COOPERATIVE EDUCATION  
CHAMBERSBURG HOSPITAL VOLUNTEER PROGRAM**

*B131  1 Credit*

**PREREQUISITE:** Seniors Only

Students have the opportunity to gain unpaid work experience and high school credit working in a hospital setting through volunteering at Chambersburg Hospital. Students volunteer to: man information desks, perform messenger services, deliver patient mail and flowers, staff the hospital auxiliary shop, help transport patients in wheelchairs, help in various departments, visiting patients, and help people who need prescription assistance.
***All programs within Cooperative Education require complete student commitment. Any student starting a program and not completing all curriculum, portfolio and time requirements will receive an “I” grade recorded on their transcript.

COOPERATIVE EDUCATION - COMMUNITY SERVICE LEARNING

B129  Up to 2 Credits
PREREQUISITE: Recommended for 10th, 11th and 12th Grade
Students have the opportunity to earn high school credits and gain valuable experience by integrating community service with academic learning. This experience promotes learning through hands-on participation and provides opportunities to use skills and knowledge in real-life situations such as: Healthcare, Athletic Training, U.S. Military, Horticulture, Elementary and Secondary Education and Pre-School, to name a few. This experience fosters a sense of caring for others by providing a service to the community as volunteers. **Specific criteria are required for participation in the Service Learning Program.

***All programs within Cooperative Education require complete student commitment. Any student starting a program and not completing all curriculum, portfolio and time requirements will receive an “I” grade recorded on their transcript.

AGRICULTURE WORK EXPERIENCE

G125  1 Credit
PREREQUISITE: Seniors Only
Upon successful completion of the necessary major course work and with staff approval, students may schedule a work or career exploration experience. Specific instruction about who qualifies for these experiences are given by the department. Students must contact a counselor or a member of the appropriate department for information about qualifications and the scheduling process. The course will address guidelines to career opportunities.
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ENGLISH DEPARTMENT

CP AMERICAN LITERATURE AND COMPOSITION I

E134 1 Credit

PREREQUISITE: None; Grade 9 Only

This course covers the study, analysis, and comparison of American Literature. Writing skills are emphasized with a focus on rigorous compositions including critical essays and multi-media projects. Students will gain the necessary strategies to prepare them for success on the Keystone Composition Exam. Overall, students will gain experience in reading, writing, speaking, listening, and critical thinking while studying a wide range of literary works representative of America’s rich history. The reading of a self-selected book is required over the summer in preparation for an assignment the first week of school.

CP AMERICAN LITERATURE AND COMPOSITION II

E135 1 Credit

PREREQUISITE: None; Grade 10 Only

A summer assignment comprised of reading a self-selected novel is required. This course covers the study, analysis, and comparison of Modern and Contemporary American Literature from World War I to present day. Reading strategies are emphasized with a focus on reading for meaning, interpreting drama, short stories, novels and poems, as well as analyzing author’s purpose. Students will gain the necessary skills to prepare them for success on the Keystone Literature Exam. Overall, students will gain experience in reading, writing, speaking, listening, and critical thinking while studying a range of literary works representative of America’s modern diverse society.
HONORS AMERICAN LITERATURE AND COMPOSITION I

E305  
(1.2 Weight)  
1 Credit

PREREQUISITE:  Grade 9 Only; CP English 8 or teacher recommendation
Summer reading assignment of at least one novel is required.
In addition to the expectation of CP American Literature and Composition I, students enrolled in
the honors curriculum are expected to apply higher order thinking skills to supplemental
selections of literary works. Along with rigorous composition, in-depth knowledge of grammar is
also expected. Student independence and self-motivation are key components to success in this
course.

HONORS AMERICAN LITERATURE AND COMPOSITION II

E306  
(1.2 Weight)  
1 Credit

PREREQUISITE:  Grade 10 Only; Honors American Literature and Composition I or teacher
recommendation in English 9.
A summer assignment based on a course text is required, and the accompanying assignment
is due on the first day of school. In addition to the expectations of American Literature and
Composition II, students enrolled in the honors curriculum are expected to read supplemental
selections of literary works. Rigorous composition is also expected. Student independence and
self-motivation are key components to success in this course.

CP WORLD LITERATURE AND COMPOSITION I

E136  
1 Credit

PREREQUISITE:  None; Grade 11 Only
This course covers the study, analysis, and comparison of literature from around the world
representing the history of human civilization from ancient cultures through present day. Reading
strategies are emphasized with a focus on nonfiction narratives, as well as fictional plays, poems,
novels and short stories. A variety of writing assignments will stem directly from the readings to
seek improvement of students’ creative, analytical, critical and persuasive skills. In addition,
students will review strategies for high stakes standardized tests such as the SAT and ACT, with
an emphasis on vocabulary development.

HONORS WORLD LITERATURE AND COMPOSITION

E307  
(1.2 Weight)  
1 Credit

PREREQUISITE:  None; Grade 11 Only
In addition to the expectations of World Literature and Composition, students enrolled in the
honors curriculum are expected to read supplemental selections of literary works. Rigorous
composition is also expected. Student independence and self-motivation are key components to
success in this course. Honors World Literature requires the completion of a summer assignment.

CP SENIOR READING AND WRITING PORTFOLIO

E137  
1 Credit

PREREQUISITE:  NONE
To prepare for this course over the summer, students will be required to write a personal essay
based on prompts assigned by the teacher the previous spring. In this course, students will
investigate new ways of analyzing literature. Literary theories will be explored and applied.
Furthermore, students will make thematic connections across genres including poetry, drama,
non-fiction texts, longer prose, and literature. Heavy emphasis will be placed upon improving
student’s writing, critical thinking, and discussion techniques. The course will challenge students
to hone their reading, thinking, writing, speaking, and listening skills in order to develop, clearly
communicate, and defend original conclusions. This course is ideal for students preparing to
enter the workforce, the military, or a 2-year post-secondary educational experience. The
summer assignment will include the comprehension and connection of a novel to real life experiences.

HONORS SENIOR READING AND WRITING SEMINAR

E308  (1.2 Weight)  1 Credit
PREREQUISITE: NONE
In addition to the expectations of CP Senior Reading and Writing Seminar, students enrolled in
the Honors curriculum are expected to read supplemental selections of literary works. The
summer assignment will include the comprehension and connection of a novel to a personal
essay. Rigorous composition is also expected. Student independence and self-motivation are key
components to success in this course. This course aims to prepare students for the rigors of a 4-
year collegiate academic program.

ADVANCED PLACEMENT LITERATURE AND COMPOSITION

E500  (1.4 Weight)  1 Credit
PREREQUISITE: 11th grade AP English, Honors or CP English class or Teacher
Recommendation
To prepare for this course over the summer, students will be required to read two major works
and write an essay for each, with prompts based off previous AP English exams. This course is
offered to seniors with exceptional competence in reading comprehension, grammar, and
composition skills. In this course, students will read and analyze an extensive list of works in
different genres: novels, plays, short stories, and poetry. As this is a composition course, students
will do frequent writing and rewriting activities that emphasize critical analysis, structure, and
elements of style. The course work is intense and designed for students who can work
independently and are highly motivated. AP students are required to take the AP English
Literature and Composition exam in May.

ADVANCED PLACEMENT LANGUAGE AND COMPOSITION (11th or 12th grade)

E501  (1.4 Weight)  1 Credit
PREREQUISITE: Honors or CP English class, Teacher Recommendation
Students enrolled in this rigorous and challenging college-level course read and carefully analyze
a broad range of nonfiction and fictional prose selections in order to deepen their awareness of
rhetoric and of language’s influence. Students in this course develop the ability to decipher a text
with greater recognition of the author’s purpose, syntax, word choice, and tone. Students work on
strengthening their own writing skills, including writing with a purpose, addressing and appealing
to an audience, creating effective text structures, and developing an appropriate style while
learning to recognize the same in the writing of others. Course readings and materials cover many
different genres including essays, letters, speeches, images, films, advertisements, comic strips,
music videos, as well as expository, analytical, personal, and argumentative texts from a variety
of authors and historical contexts. The course work is intense and designed for highly motivated
students who can work independently. AP students are required to take the AP English
Language and Composition exam in May, which can result in earning college credit. A summer assignment
is required for entry into this course.

CREATIVE WRITING

E106  1 Credit
PREREQUISITE: A GENUINE Interest in Writing; English 10 or 11
Creative writing focuses on the tools and techniques of writing, how to get ideas
and how to apply them creatively in poems, stories, and essays. The course
encourages self-discovery, freedom of expression, discipline of form, and
attainment of style. Various types of writing
will be explored through criticism and modeling of established literary works. Mastery of poetic
devices and short story techniques will be followed by an independent writing project. Students
will engage in the selection process for *CASHS Collections*, the high school literary magazine.

**MODERN FICTION**

*E107*  
PREREQUISITE: English 9  
Students in grades 10, 11 and 12 who enjoy reading and sharing ideas about a variety of
nonfiction and fiction should consider enrolling in Modern Fiction. The major emphasis of the
course is reading and discussing outstanding short stories, poems, novels, and plays written from
1900 to the present. Students will also select topics of interest or favorite authors for independent
reading and projects. A genuine interest in reading and discussing books is required for this
course.

**DRAMATICS I**

*E108*  
PREREQUISITE: English 9  
Dramatics is offered to students interested in theater. The course offers opportunities to learn and
polish basic acting techniques and skills. Class activities include learning stage movement and
terminology; developing improvisational technique; acting, directing, and critiquing scenes or
short one-act plays; as well as writing, directing and producing a children's theater production for
elementary school audiences.

**DRAMATICS II**

*E109*  
PREREQUISITE: English 9  
This class will explore more acting and theatre production than Dramatics I. Students will be
expected to perform monologues from memory, participate in stage movement, games, lip-
synching and improvisational activities. Students will formalize a resume and cover
letter for college programs and perfect auditioning techniques. Students will
participate in a stage performance for the general public in a recital format,
research new playwrights, and perform in a musical theater number. This class will
be very helpful to students planning on a theater major or minor. If a student is interested in
learning more about acting and is eager to participate, this class will engage actors of all levels.
Dramatics I is recommended but not necessary as a prerequisite to this class.

**INTRODUCTION TO VIDEO PRODUCTION**

*E110*  
PREREQUISITE: Grades 11 and 12 Only. Successful completion of English 10 or 11  
This course is designed to teach interested students basic video production
techniques. While going through the video making process of pre-production,
videotaping, and post-production (editing), students will develop organizational
and communications skills and build critical thinking skills. Along with group
work, this course will require out of class and out of school time to be spent on the
completion of project.

**ADVANCED COMMUNICATIONS**

*(1.2 Weight)*  
PREREQUISITE: Grades 11 and 12 Only. Successful completion of English 10 or 11.  
Oral communications is offered to grades 10-12 proficient in speech who want to gain self-
confidence by communicating effectively. The course focuses on events recognized by the
Pennsylvania High School Speech League. Interviewing techniques, as well as writing, editing,
and broadcasting for radio and television are an integral part of the course. Students are expected to critique each other's presentations and offer positive suggestions. Attention is given to individualized projects to meet students' career goals.

**ENGLISH AS A SECOND LANGUAGE I**

*E114  Level I  2 Credits*

Designed for those students whose home language is not English and whose English language skills are minimal or non-existent. Basic listening, speaking, reading, and writing will be stressed. Focus will be on pronunciation, listening skills, grammatical usage, vocabulary acquisition, writing sentences and guided writing. Aspects of American culture will also be addressed.

**ENGLISH AS A SECOND LANGUAGE II**

*E115  Level II  2 Credits*

PREREQUISITE: English as a Second Language Level I or a score of 2 on the W-APT or WIDA ACCESS Exam

Designed for those students whose home language is not English and whose English language skills are beginning to develop but who lack the proficiency to participate in a mainstream English class. The four domains of listening skills, grammatical usage, vocabulary acquisition, paragraph development, reading comprehension, and short oral presentations. Aspects of America culture will also be addressed.

**ENGLISH AS A SECOND LANGUAGE III**

*E116  Level III  1 Credit*

PREREQUISITE: English as a Second Language Level II or a score of 3 on the W-APT or WIDA ACCESS Exam. Designed for those students whose home language is not English and who lack the proficiency to participate in a mainstream English class. The four domains of listening, speaking, reading, and writing will be emphasized. Focus will be on pronunciation, listening skills, correct usage, vocabulary acquisition, reading short stories, articles, and shorter novels, sentence combining, and developing paragraph. Additional aspects of American culture will also be addressed.

**ENGLISH AS A SECOND LANGUAGE IV**

*E121  Level IV  1 Credit*

PREREQUISITE: English as a Second Language Level III or a score of 4 on the W-APT or WIDA ACCESS Exam

Designed for those students home language is not English and who lack the proficiency to participate in a mainstream English class. The four domains of listening, speaking, reading, and writing will continue to be emphasized. Particular attention will be paid to idioms and other nuances of the English language, completing applications and resumes, and development of the multi-paragraph essay. Novels will be read at this level; aspects of culture will also continue to be addressed. Some materials from the mainstream will be integrated into course work at this level.
ENGLISH AS A SECOND LANGUAGE V

E130 Level V 1 Credit
PREREQUISITE: English as a Second Language Level IV or a score of above a 4.5 on the W-APT or WIDA ACCESS Exam
Designed for those students home language is not English. The four domains of listening, speaking, reading, and writing will continue to be emphasized. Novels will be read at this level; aspects of culture will also continue to be addressed. Students may be integrated into a general English class with ESL support.

ENGLISH AS A SECOND LANGUAGE NEWCOMER

E133 .5 Credit
PREREQUISITE: None
Designed for those students who are new to the United States with little English ability. Fundamental skills such as school and culture acclimation as well as language basics will be explored.

INFORMATION COMMUNICATION TECHNOLOGY APPLICATIONS

E138 .5 Credit
PREREQUISITE: Grades 11 and 12 Only – Required for all students
This class is designed to address 21st century learning. In this semester-long course, students will learn the skills and disposition necessary to navigate and contribute to today’s information-rich society. Students will learn to access and research high-quality information from diverse perspectives and to make sense of it to draw their own conclusions or create new knowledge. Students will share their new knowledge through oral presentations, multi-media presentations, and written formats.

ON-LINE YEARBOOK PUBLICATION

B111 1 Credit
PREREQUISITE: Completion of formal application and interview. Completion of 9th, 10th, or 11th grade English.
In this course, students will learn basic yearbook production which includes understanding the basic tenets of publication as it applies to yearbook; recognize and analyze purposes, structure, and coverage of a yearbook; understand basic layout and design of a yearbook; understand and develop the skills involved in writing copy, captions, and headlines for yearbooks; explore basic graphic design using Studio Works and using the Adobe Suite of software, which includes PhotoShop. Design activities will include creating a portfolio of yearbook layouts to be published in the school yearbook. Students may take this course during their sophomore, junior, and senior year. Maximum credits students can receive are two.
FAMILY AND CONSUMER SCIENCES MASTER COURSE LISTING

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Weighted Value</th>
<th>Credit Value</th>
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<tr>
<td>C104</td>
<td>Child Development I</td>
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<td>Child Development II</td>
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<td>Child Care Internship</td>
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<tr>
<td>C107</td>
<td>Culinary I</td>
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<tr>
<td>C108</td>
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<tr>
<td>C110</td>
<td>Interior Design</td>
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SUGGESTED SEQUENCES IN FAMILY AND CONSUMER SCIENCES

Traditional Progression of Courses

<table>
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<tr>
<th>Grade 9:</th>
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<tbody>
<tr>
<td>Culinary I</td>
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<tr>
<td>Child Dev I</td>
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<td>Interior Design</td>
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<tr>
<th>Grade 10:</th>
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<td>Child Dev I</td>
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<tr>
<th>Grade 11:</th>
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<td>Child Development II</td>
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<td>Culinary II</td>
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<th>Grade 12:</th>
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<td>Culinary II</td>
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<tr>
<td>Child Development Lab</td>
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</table>

FAMILY AND CONSUMER SCIENCES DEPARTMENT

CHILD DEVELOPMENT I

C104

PREREQUISITE: None

This course will provide an introduction to the study of children and families. Students will also study career opportunities in child development, parenting, prenatal development, pregnancy and the arrival of a baby. Some of the activities will be class projects and the parenting of the Real Care Baby for a weekend.

CHILD DEVELOPMENT II

C105

PREREQUISITE: Child Development I

This course is an in-depth study of infants, toddlers, and preschoolers. Students will study how children develop emotionally, socially, physically and intellectually. Childcare options and early childhood education will be explored. Information relating to careers in childcare and educational services will be incorporated in the course.
**CHILD DEVELOPMENT LAB**

*C103*  
**PREREQUISITE:** Child Development II, 11th and 12th Grade Only  
Students will participate in an on-site preschool program. Students will plan and prepare lessons for the children under the supervision of the Family and Consumer Science teacher. *This is a double period class.*

**CHILD CARE INTERNSHIP**

*C106*  
**PREREQUISITE:** Seniors Only  
This is an unpaid work experience for students in the Child Development Program at CASHS. All assignments are in a nursery school environment. School credit is also earned. Qualifications and supervision for this program is under the direction of the CASHS Child Development Coordinator.

**CULINARY ARTS I**

*C107*  
**PREREQUISITE:** None  
In this course students will study food preparation, emphasizing baking principals as well as cooking skills in a hands-on setting. Students will gain knowledge in basic nutrition, food science and consumerism. Students will also examine career choices.

**CULINARY ARTS II**

*C108*  
**PREREQUISITE:** Successful completion of Culinary I  
In addition to using cooking techniques learned in Culinary I, students will learn more complicated skills to prepare more elaborate meals. Students will explore the fundamentals of nutrition, meal planning and preparation for large groups. Activities are designed to help students explore current issues, choices and techniques of food preparation that are compatible with today’s lifestyle. This course is recommended for those who want to learn an independent living skill as well as for those who are considering a food-related career.

**INTERIOR DESIGN**

*C110*  
**PREREQUISITE:** Recommended for grades 9 and 10  
This is an introductory course which enables students to explore their creativity in the field of Interior Design. This course emphasizes the elements and principals of design. Other topics included are the basics of furniture arrangement, floor plan evaluations, as well as careers.
FITNESS AND WELLNESS
MASTER COURSE LISTING

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Weighted Value</th>
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<tbody>
<tr>
<td>W139</td>
<td>Adaptive Physical Education</td>
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<tr>
<td>W140</td>
<td>Strength and Conditioning</td>
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<tr>
<td>W141</td>
<td>PIAA Sports</td>
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<tr>
<td>W142</td>
<td>Health</td>
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<tr>
<td>W143</td>
<td>Exercise Science</td>
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<tr>
<td>W144</td>
<td>Cardio Endurance/Personal Fitness</td>
<td>1.0</td>
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<tr>
<td>W145</td>
<td>Team Sports (Skills and Concepts)</td>
<td>1.0</td>
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<tr>
<td>W146</td>
<td>Advanced Team Sports</td>
<td>1.0</td>
<td>0.50</td>
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<tr>
<td>W147</td>
<td>Lifelong Fitness</td>
<td>1.0</td>
<td>0.50</td>
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<tr>
<td>W148</td>
<td>Dynamic Motions/Dance</td>
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SEQUENCE CHART FOR FITNESS AND WELLNESS

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<tr>
<th>Traditional Progression of Courses</th>
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<td>Strength Training and Conditioning</td>
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FITNESS AND WELLNESS DEPARTMENT

STRENGTH AND CONDITIONING

W140 .5 Credit
PREREQUISITE: None
This course provides an opportunity to further engage in activities designed to achieve peak performance by developing the health and skill related components of fitness, with an emphasis on resistance and cardiovascular training to include the measurement and evaluation of each component. Students will be exposed to more advanced training methods and techniques applying the principles of exercise science. Students will maintain a daily log of workouts and will design an individualized training program to be completed by the end of the first (or third) marking period and performed and evaluated during the second (or fourth) marking period.

PIAA SPORTS

W141 .5 Credit
PREREQUISITE: Application Required
Students may utilize a PIAA sport or JROTC PT as .5 credit toward their Fitness and Wellness requirement. Sophomores and juniors may have this .5 credits applied toward their following year’s Fitness and Wellness requirement after successful participation in a PIAA team or JROTC PT. This option may only be used one time either during their junior or senior year. PIAA sanctioned sports are: Cross Country, Football, Softball, Basketball, Volleyball, Wrestling, Cheerleading, Track, Baseball, Softball, Golf, Field Hockey, Soccer, Tennis, Gymnastics, Swimming, Lacrosse and JROTC PT. PIAA or JROTC PT classes will not be calculated in QPA and class rank.

HEALTH

W142 .5 Credit
PREREQUISITE: None
This is a comprehensive health course that covers a variety of health topics including components of health, nutrition, drug and alcohol use/abuse, preventive violence and abuse, reproductive health, diseases and disorders, and community environment and its effects on health. The course is aimed to promote healthy lifestyles and lifestyle choices by providing students with thorough information on each topic.

EXERCISE SCIENCE

W143 .5 Credit
PREREQUISITE: Health (recommended for 11th and 12th grades)
This is a classroom-based advanced health course that focuses on the study of human movement and of systems, factors, and principals involved in human movement. Students will learn about the effects of physical activity in health and performance, and the factors that influence an individual’s participation in physical activity. This challenging course aims to promote enthusiasm or an active and healthy lifestyle and to emphasize the importance of effective lifestyle practices along with exposing students to various career fields associated with biomechanics and human performance.

CARDIO ENDURANCE/PERSONAL FITNESS

W144 .5 Credit
PREREQUISITE: None
This course’s primary focus is on examining the benefits of and improving cardiovascular endurance and its impact on a healthy lifestyle. Students will learn to set their own goals and develop their own personal fitness plan and learn to assess that plan. Students will use fitness principles to meet their fitness goals in both
cardio exercise but also a variety of circuit training activities. Students will also learn the value and benefits of lifetime fitness activities.

**TEAM SPORTS (SKILLS AND CONCEPTS)**

**W145**  
*5 Credit*  
**PREREQUISITE:** None  
This course will concentrate on strategies, concepts, terminology, and skill development with an emphasis on teamwork and cooperation. Students will develop a knowledge base of rules for multiple sports including equipment needs. Activities may include, but are not limited to: volleyball, football, softball, soccer, floor hockey, basketball, hardball and ultimate Frisbee.

**ADVANCED TEAM SPORTS**

**W146**  
*5 Credit*  
**PREREQUISITE:** Team Sports or active participation in PIAA sport.  
This course expands on concepts and strategies from Team Sports. Students will be involved in the planning and instruction of activities. Students will develop a team sport lesson plan including instruction and assessment of a sport. Students will also apply coaching strategies within the course.

**LIFELONG FITNESS**

**W147**  
*5 Credit*  
**PREREQUISITE:** None  
The emphasis of this course is encouraging students to explore and participate in lifelong fitness activities. Students will analyze the history of activities, terminology, and community resources. Students will explore skills necessary for each activity and incorporate fitness testing into chosen activities. Activities may include, but are not limited to: volleyball, tennis, badminton, pickleball, fitness walking, Frisbee (ultimate and disc), dynamic motion, table tennis and weightlifting.

**DYNAMIC MOTIONS/DANCE**

**W148**  
*5 Credit*  
**PREREQUISITE:** None  
This course includes a variety of low, moderate, and high impact aerobic activities. Students will explore movements associated with dance (hip-hop, country, zumba), modern line dances, party dances, yoga, kickboxing, step aerobics, Pilates, and tae-bo. Students will design and implement their own dynamic motion compositions.

**ADAPTIVE PHYSICAL EDUCATION**  
*Counselors recommend students for this course*

**W139**  
*5 Credit*  
**PREREQUISITE:** Adaptive PE must be required in the student’s IEP  
The Adaptive Physical Education course applies to all populations with special disabilities. School counselors, in adherence with Special Education requirements, will place students in this course as appropriate. Objectives will be consistent with those of regular physical education. Movement skills, fitness skills and sports should be learned, but class size, equipment, rules, and environmental structure may need to be modified to allow for maximum participation and benefit.
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<tr>
<td>IB600</td>
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<tr>
<td>IB601</td>
<td>IB History of the Americas HL</td>
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<tr>
<td>IB602</td>
<td>IB Psychology HL</td>
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<tr>
<td>IB603</td>
<td>IB Biology HL</td>
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<td>IB604</td>
<td>IB Chemistry HL</td>
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<td>IB300</td>
<td>IB Language B: Spanish SL</td>
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<td>IB301</td>
<td>IB Language B: German SL</td>
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<tr>
<td>IB302</td>
<td>IB Latin HL</td>
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<td>IB303</td>
<td>IB Spanish ab initio</td>
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<td>IB Math SL</td>
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<td>IB306</td>
<td>IB Sports, Exercise &amp; Health Science</td>
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<td>IB307</td>
<td>IB Information Technology in a Global Society</td>
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<td>IB Music</td>
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<td>IB100</td>
<td>IB Creativity Action and Service</td>
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<td>IB101</td>
<td>IB Theory of Knowledge</td>
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<tr>
<td>IB102</td>
<td>IB Extended Essay</td>
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INTERNATIONAL BACCALAUREATE (IB) PROGRAMME

Group 1: Studies in language and literature

**IB LANGUAGE A: LITERATURE HL (2 YEAR COURSE)**

*IB600 (1.5 Weight) 1 Credit*

**PREREQUISITE:** NONE

The IB Diploma Program language A: literature is a two year course that promotes the ability to form and support independent literary judgments. This course demands a rigorous reading schedule which will be the vehicle for developing both written and spoken analysis (students will read approximately 6 large works each year). The reading selections are chosen from the IB prescribed list of authors and are suitable for college freshmen in both content and reading level. The works studied include works originally published in English and also translations. Overall, this course promotes a personal appreciation of literature and broadens cultural perspective.

**Year 1:**
The students begin with the *Options* unit and study three works to set class expectations. During the second semester the students complete the *Detailed Study* unit and study three works that were all originally published in English and are each from a different genre.

**Year 2:**
The students complete the *Works in Translation* unit and study three works originally published in another language. During the second semester the students will study four works from the same genre.

**Group 2: Language acquisition**

**IB LANGUAGE B SL: SPANISH AND GERMAN (2 YEAR COURSE)**

*(1.2 Weight) 1 Credit*

**PREREQUISITE:** Successful completion of the Honors 1 and 2 levels of language B (German, Spanish)

The focus of this course is language acquisition and intercultural understanding. The language B syllabus approaches the learning of language through meaning. Through the study of the core, students build the necessary skills to reach the assessment objectives of the language B course through the expansion of their receptive, productive and interactive skills. The core is divided into three areas and is a required area of study: Communication and media, Global issues and Social relationships, In addition, teachers select two from the following five options: Cultural Diversity, Customs and Traditions, Health, Leisure, Science and Technology.

**IB LATIN HL (2 YEAR COURSE)**

*IB302 (1.5 Weight) 1 Credit*

**PREREQUISITE:** Honors Latin II with at least a “B” average

The IB HL course consists of studies in poetry and prose. Students will read, translate, understand, analyze, and interpret selections from Ovid’s *Metamorphoses* and *Heroides*, Livy’s *Ab Urbe Condita*, Vergil’s *Aeneid* and *Georgics*, Horace’s *Carmina*, Cicero’s *Pro Caelio*, Catullus’ *Carmina*, and Propertius’ *Elegies*. In addition, students will complete an IB-required Internal Assessment. The Internal Assessment consists of a research assignment relating to a topic in classical history, literature, language, religion, mythology, art, archaeology, or some aspect of classical influence. Students must complete a summer assignment that is due at the beginning of August and they will be required to take the IB examinations at the end of the 2nd year of the course.
SPANISH AB INITIO SL (2 YEAR COURSE)

IB303  1 Credit

PREREQUISITE: Spanish ab initio is intended for motivated students who have no previous experience in Spanish, or the maximum of one year. The IB DP language ab initio course is designed to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where Spanish is spoken. The objective of Spanish ab initio is to prepare students to effectively communicate in basic, everyday situations in Spanish. These skills include written and oral expression as well as understanding various forms of literature and speech. This course aims to foster the development of open-minded learners. Students will not only learn to communicate effectively but also appreciate cultural perspectives different from their own. An independent research paper and an oral assessment are required components of the course.

Year 1:
Topics: The individual/identity- self, family, home, celebrations
Education/social relations- classes, school activities, friends, pastimes
Travel- maps, directions, transportation, cities and countries
Food- basic foods, restaurants, markets
Health- body parts, doctor’s office, daily routine

Year 2:
Topics: Leisure/vacations- countryside, city, beach, Spanish-speaking countries, cultural events, directions
Healthy living- health, diet, visiting the ER
Food/drink- grocery shopping, cooking at home, restaurant etiquette
Employment/technology- jobs, salaries, media
Global challenges- environmental concerns, stereotypes

Group 3: Individuals and societies

IB HISTORY OF THE AMERICAS HL (2 YEAR COURSE)

Ib601 (1.5 Weight)  1 Credit

PREREQUISITE: AP World History is a recommended prerequisite course, as well as the ability to analyze and critique sources, work independently, and produce high-level essays. The DP HL history course aims to promote an understanding of history as a discipline, including the nature and diversity of sources, methods, and interpretations. Students are encouraged to comprehend the present by reflecting critically on the past. They are further expected to understand historical developments at national, regional and international levels and learn about their own historical identity through the study of the historical experiences of different cultures.

Year 1:
HL Option #1: Independence movements
HL Option #2: Nation-building and challenges
HL Option #4: The development of modern nations (1865-1929)

Year 2:
20th Century World History Topic #1: Causes, practices, and effects of wars
Prescribed Subject #1: Peacemaking, peacekeeping – international relations (1918-1936)
20th Century World History Topic # 5: The Cold War

IB PSYCHOLOGY HL (2 YEAR COURSE)

IB602 (1.5 Weight)  1 Credit

PREREQUISITE: “C” or better in Biology
The HL Psychology course aims to develop an awareness of how psychological research can be applied to understand human behavior. There will be a focus on developing an understanding of behaviors through differing perspectives, biological, cognitive, and sociocultural. Students will
also understand and use diverse methods of psychological inquiry with sensitivity to the varying ethical issues involved. Topics such as neuroscience, research methods, states of consciousness, sensation, perception, heritability, life-span development, cognition, conditioning and learning, memory, motivation, emotion, personality, and health will be examined using various perspectives. In addition areas of abnormal psychology, the psychology of human relationships will be studied with more depth. Students will also apply research methodology in the collection of data, analysis of data, testing of hypotheses, and interpretation of complex data and source material. Experimental research methodology will be introduced, along with statistical methods involved in qualitative research in psychology.

IB INFORMATION TECHNOLOGY IN A GLOBAL SOCIETY SL (1 YEAR COURSE)

IB307 (1.2 Weight) 1 Credit

Technology plays an increasingly important role in today's global society. In the Information Technology in a Global Society (ITGS) course, students experience first-hand what to expect in a 21st century world that will become increasingly interconnected in technology and the sharing of information. They learn to think critically about the role technology plays in the United States, as well as about its effect on nations and cultures all over the world. The impact and significance of the information age is explored in several social contexts including economic, political, cultural, legal, environmental, historical, ergonomic, and psychological.

Aims:
1. To appreciate the key elements of continuity and change that information technology has affected throughout history.
2. To analyze and evaluate social and ethical considerations arising from technology's proliferation in today's society.
3. To understand the various methods and technologies for data collection, description, and analysis used in studies of society and the ways in which complex data can be interpreted.
4. To become familiar with technologies and information tools that enhance communication, facilitate life-long learning, and expand a student's worldview.
5. To demonstrate how technology adds to the integration of disciplines and facilitates the problem-solving process.

Group 4: Sciences

IB BIOLOGY HL (2 YEAR COURSE)

IB603 (1.5 Weight) 1 Credit

PREREQUISITE: Successful completion of Honors or CP Biology. High level writing skills suggested.

The IB Curriculum is designed for students with strong critical thinking and problem solving skills. It is an intensive international, inquiry based curriculum that covers all of the material normally covered in the first and second semester of college level biology classes. An independent research project and paper are a required component of the course. The research topic is developed during the first year and must be approved by the instructor by April at the end of the first year. The research and performance of the data collection will take place over the summer and during the 2nd year of the course with completion of the paper reporting the results submitted by the end of February in the second year. A 3-part exam will be conducted in May of the second year. A collaborative Group Project with IB Chemistry and IB Sports, Health, and Exercise Science is also a required component.

Year 1
Topics: Cell Biology, Molecular Biology, Genetics, Ecology, Evolution and Biodiversity, Human Physiology, and Independent Research topic development.
Year 2

**IB CHEMISTRY HL (2 year course)**

*IB604 (1.5 Weight)*

**PREREQUISITE:** Successful completion of Honors Chemistry. Completion of Honors or AP Physics are also suggested but not required. Completion of Algebra II with a C or higher. High level writing skills suggested.

The IB Curriculum is designed for students with strong critical thinking and problem solving skills. It is an intensive international, inquiry based curriculum that covers all of the material normally covered in the first and second semester of college level chemistry classes, plus an in depth introduction to Organic Chemistry and Energy of fuels. An independent research project and paper are a required component of the course. The research topic is developed during the first year and must be approved by the instructor by April at the end of the first year. The research and performance of the data collection will take place over the summer and during the 2nd year of the course with completion of the paper reporting the results submitted by the end of February in the second year. A 3-part exam will be conducted in May of the second year.

**Year 1**
Topics: Atomic Structure, Quantum electronic configuration, trends of the periodic table, Covalent and Ionic Bonding, Intermolecular forces, hybridization, stoichiometry, thermodynamics, Redox reactions, Acid and Base reactions, and Independent Research topic development.

**Year 2**

**IB SPORTS, EXERCISE AND HEALTH SCIENCE SL (ONE YEAR COURSE)**

*IB306* 

**PREREQUISITE:** No prerequisites required. Successful completion of health education, Exercise Science, and Anatomy and Physiology encouraged.

This course was initially designed for Olympic athletes during training, but is now a one year course that is an exciting way to study and apply science to human movement and performance. Topics students will study include: anatomy, exercise physiology, energy systems, movement analysis, skill in sport, and measurement and evaluation of human performance. Additionally, the course will also cover optimizing physiological performance and psychology of sport. This course is not entirely classroom based, but will also spend time conducting labs that involve designing experiments, collecting and processing data, and drawing conclusions. High level writing, analyzing, and communication skills are encouraged.

**Group 5: Mathematics**

**IB MATH SL (2 YEAR COURSE)**

*IB304 (1.2 Weight)*

**PREREQUISITE:** Completion of Pre-Calculus. High level writing skills suggested.

Math SL is intended for students who are seeking a math or science related degree. The purpose of the math standard level course is to provide students with a sound mathematical background to prepare for future studies. Students will be introduced to important mathematical concepts through the development of mathematical techniques in a way that emphasizes subject comprehension. Students should, where possible, apply the acquired mathematical knowledge to
solve realistic problems. The syllabus is chosen to provide the students with a wide range of applicable advanced mathematical topics that will serve as a basis for their project. Mathematical topics will include Algebra, Functions, Circular Functions, Statistics, Trigonometry, Vectors, Statistics, Probability, and Calculus. Graphing calculators are used extensively in this course. The course also includes the internal assessment of project work: two pieces of written work based on personal research, guided and supervised by the teacher. The external assessments include Paper 1; short- and extended-response questions without a graphing calculator; and Paper 2; short- and extended-response questions with a graphing calculator required.

**IB MATH STUDIES SL (2 YEAR COURSE)**

*IB305 (1.2 Weight) 1 Credit*

**PREREQUISITE:** Completion of Algebra. High level writing skills suggested.

Math Studies is intended for students who are not seeking a math related degree. The purpose of the math studies standard level course is to give students who already have fundamental skills an overall awareness and appreciation for how mathematics is used throughout the world. The course concentrates on mathematics that can be applied to contexts related to home, work, and leisure situations. The syllabus is chosen to provide the students with a wide range of applicable advanced mathematical topics that will serve as a basis for their project. Mathematical topics will include Algebra, Statistics, Geometry, Trigonometry and some Calculus. Graphing calculators are used extensively in this course. The course also includes the internal assessment of project work; written work based on personal research, guided and supervised by the teacher. The external assessments include Paper 1: a 15 question short-answer exam based on topics from the course syllabus and Paper 2: five extended response questions. Students likely to seek a mathematically related degree should be advised to consider SL Math.

**Group 6: Arts**

**IB MUSIC**

*IB308 (1.2 Weight) 1 Credit*

**REQUIREMENTS:** In order to complete the performance component of this course, students must enroll or be enrolled in Glee Club, Band, Symphony or study music privately. Students do not need to be enrolled in the IB Program to select IB Music.

IB Music is designed for the student who wants to know more about the components of music and its historical development. Emphasis is on Theory, Music History, World Music, Performance and Composition. By developing a better understanding of the art of music through studying its basic tools, its historical background, and cultural connections the student will possess a better aesthetic appreciation for quality music of the past and present. IB Music is a rigorous elective designed to be of value to all students who are genuinely interested music. For all students, this course will provide a foundation for future study and an appreciation of a wide variety of music. For students who are active in choral or instrumental performing organizations, this course will provide both historical and theoretical insight into the music they are performing. For students who plan continued study of music after graduation from high school, IB Music should provide the necessary preparation.

**DP Core Requirements**

**THEORY OF KNOWLEDGE, TOK (2 YEAR COURSE)**

*IB101 .25 credit*

**Time allotment:** The TOK course is designed solely for those students enrolled in the IB Diploma Programme. As a semester course, students take TOK during their junior year in the Spring semester, and they take their second and final TOK course during the Fall semester of their senior year.

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Theory of Knowledge offers students and their teachers the opportunity to:

- reflect critically on diverse ways of knowing and on areas of knowledge
- consider the role and nature of knowledge in their own culture, in the cultures of others and in the wider world.

In addition, it prompts students to:

- be aware of themselves as thinkers, encouraging them to become more acquainted with the complexity of knowledge
- recognize the need to act responsibly in an increasingly interconnected but uncertain world.

As a thoughtful and purposeful inquiry into different ways of knowing, and into different kinds of knowledge, TOK is composed almost entirely of questions. The most central of these is "How do we know?". It is a stated aim of TOK that students should become aware of the interpretative nature of knowledge, including personal ideological biases, regardless of whether, ultimately, these biases are retained, revised or rejected. TOK also has an important role to play in providing coherence for the student as it transcends and links academic subject areas, thus demonstrating the ways in which they can apply their knowledge with greater awareness and credibility.

**Spring Semester Junior Year:**
Students are introduced to and become proficient in the 8 Ways of Knowing (WOK): language, reason, sense perception, emotion, faith, intuition, imagination and memory. Additionally students are given opportunities to explore to what extent the WOKs affect the 6 Areas of Knowledge (AOK): Natural Sciences, Human Sciences, Mathematics, the Arts, History, and Ethics.

**Assessment:** The semester culminates in a presentation in which students demonstrate their knowledge of how the WOKs and AOKs are inextricably linked.

**Fall Semester Senior Year:** Students actively engage themselves in various texts, film clips, poetry, debates, and other miscellaneous media in order to further build their understanding of the inter-relatedness of the WOKs and the AOKs.

**CREATIVITY ACTION SERVICE**

*IB100*  .5 credit

**PREREQUISITE:** NONE

Creativity, Action, Service (CAS) is a the heart of the DP, involving students in a range of activities that take place alongside their academic studies. The component’s three strands, often interwoven with particular activities, are characterized as follows:

- **Creativity** – exploring and extending ideas leading to an original or interpretive product or performance. This may include visual and performing arts, digital design, writing, film, culinary arts and crafts.
- **Action** – physical exertion contributing to a healthy lifestyle. Pursuits may include individual and team sports, dance, outdoor recreation, fitness training, and any other form of physical exertion that purposefully contributes to a healthy lifestyle.
- **Service** – collaborative and reciprocal engagement with the community in response to an authentic need. Through Service, students develop and apply personal and social skills in real-life situations involving decision-making, problem solving, initiative, responsibility, and accountability for their actions.

Students will work with a CAS Advisor (CASHS Faculty member) over a period of 18 months to fulfill the CAS responsibilities.

*The successful completion of CAS will also fulfill a Diploma Programme student’s ICT graduation requirement for the CASD.*
EXTENDED ESSAY

IB102  .25 credit

PREREQUISITE: NONE

The extended essay is an in-depth study of a focused topic chosen from the list of approved DP subjects. It is a compulsory, externally assessed piece of independent research/investigation. Presented as a formal piece of scholarship containing no more than 4,000 words, it is the result of approximately 40 hours of student work, and concluded with a short interview, with the supervising teacher. The supervising teacher will be a CASHS Faculty member who advises the student over the 18 month time period.
## JROTC

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*Students are selected by the grade level counselor for the classes listed above*
## MATHEMATICS DEPARTMENT

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<tr>
<td>M107</td>
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<td>M302</td>
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<td>M500</td>
<td>AP Calculus AB</td>
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<td>M501</td>
<td>AP Statistics</td>
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<td>M502</td>
<td>AP Calculus BC</td>
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<tr>
<td>M503</td>
<td>AP Computer Science</td>
<td>1.4</td>
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**Students selected by counselors for this course**

### Guidelines for the Mathematics Department

- Students are required to receive 4 math credits.
- It is recommended that all students take Algebra II.
- A student will receive 2 CASD math credits for any double period math class; i.e., Algebra I.
- Any student that takes Algebra I or Algebra II prior to 9th grade and earns a “C” will be able to count this credit toward the 4 high school math credits.
- Any student that enrolls in a course in which the student receives college credit (Dual Enrollment or College in the High School) will receive one CASD math credit.
- For the fourth math credit students may use:
  - C++ Computer Programming 1 credit
  - Entrepreunership 0.5 Credit
  - Accounting 1, 2, 3 with Computer Applications 1 credit
  - Personal Financial Management 0.5 credit
  - AP Chemistry
  - AP Physics
  - AP Macroeconomics
  - AP Computer Science
Chambersburg Area School District Mathematics Continuum

All students will complete Algebra 2. Students that meet certain criteria (low grades, non-proficiency, teacher recommendation) can enroll in a double period of Algebra 1.

A student that takes Algebra 1 or Algebra 2 prior to 9th grade will receive credit toward the 4-year credit requirement. Any course in which a student receives college credit (Dual Enrollment or HACC College in the High School) will receive 1 CASD math credit regardless of length of time.
MATHEMATICS DEPARTMENT

ALGEBRA I

M104 1 Credit
PREREQUISITE: Completion of Pre-Algebra
This course is designed to reinforce arithmetic concepts and help the student make the transition from arithmetic to algebra. Topics include the traditional arithmetic areas: whole numbers, fractions, decimals, percents, ratio and proportion, and measurement. Throughout the course, integers, introductory algebraic concepts, solving equations, and introductory coordinate geometry are introduced.

GEOMETRY

M105 1 Credit
PREREQUISITE: Successful completion of Algebra I
Geometry provides students with experiences that deepen the understanding of two and three-dimensional objects and their properties. Deductive and inductive reasoning as well as investigative strategies in drawing conclusions study of: (1) points, lines, angles and planes; (2) polygons, with a special focus on quadrilaterals, triangles, right triangles and; (3) circles. An understanding of proof and logic is developed.

ALGEBRA II

M106 1 Credit
PREREQUISITE: Successful completion of Algebra I
Algebra II builds on the foundation of Algebra I. Interdisciplinary connections show how math is related to other areas of study. Students will relate algebraic models to the real world, analyze nonlinear equations/inequalities, relate exponential and logarithmic functions, perform operations with radicals and complex numbers and study relations, functions, rational expressions, quadratic functions and equations, complex numbers, conic sections, sequences and series.

TRIGONOMETRY

M112 .5 Credit
PREREQUISITE: Successful completion of Algebra II
This course is a standard two-credit college course in trigonometry. The primary objective is to help you fully understand the fundamental concepts of trigonometry and to show how trigonometry can be used to model real-life problems. This course covers trigonometric functions, their basic properties and graphs, identities, inverse trigonometric functions, solving trigonometric equations, and solutions of triangles.

PROBABILITY & STATISTICS

M113 .5 Credit
PREREQUISITE: Successful completion of Algebra II
An introduction to elementary methods and techniques in probability and statistics. Topics include sampling, frequency distributions, elementary probability, discrete and continuous probability distributions, interval estimation, hypothesis testing, and simple correlation.
**PRE-CALCULUS**

*M302* (1.2 weight) 1 Credit

**PREREQUISITE:** Successful completion of Algebra II

This course is intended to prepare the student for Calculus and covers advanced mathematical concepts. Topics in the curriculum include: systems of equations and inequalities, rational functions, continuity of functions, polynomial functions, trigonometry, polar coordinates and complex numbers, exponential and logarithmic functions, vectors, parametric equations, conic sections and derivatives. A graphing calculator is required for this course.

**AP CALCULUS AB**

*M500* (1.4 Weight) 1 Credit

**PREREQUISITE:** Successful Completion of Pre-Calculus; Completion of Summer Assignment

The major concepts in differential and integral calculus will be illustrated and interrelated; the many types of problems evolving from these concepts will be presented and practiced. A goal of the course is to provide an opportunity to successfully complete the AP exam, and possibly receive advanced placement and/or credit in college. Toward this end, additional review, practice and help sessions will be scheduled for “out-of-class” time. Students choosing an AP course may have summer assignments. Due to possible scheduling conflicts, students may have to choose among the various AP offerings. Taking an AP course does not automatically guarantee that a student will score high enough to receive AP credit on the college level. Check with individual colleges for their policy on AP exam scores. **Taking an AP course requires payment for the AP exam and all students enrolled in an AP course must take the AP exam. Reimbursement is available as per school policy.**

**AP CALCULUS BC**

*M502* (1.4 Weight) 1 Credit

**PREREQUISITE:** Successful Completion of Pre-Calculus; Completion of Summer Assignment

AP Calculus BC is designed for the able and diligent mathematics student who has successfully completed coursework through College Calculus and/or AP Calculus AB. Material covered includes: a review of all AB topics and further topics involving continuity, differentiation, integration, infinite series, and polar/parametric/vector functions. Students completing this course are prepared, and expected, to take the BC level of the Advanced Placement Examination. A graphing calculator is required for this course and should be brought to class every day. The TI-83, TI-83 plus, TI-84, TI-86, or TI-89 are all good choices. **Taking an AP course requires payment for the AP exam and all students enrolled in an AP course must take the AP exam. Reimbursement is available as per school policy.**

**AP COMPUTER SCIENCE**

*M503* (1.4 Weight) 1 Credit

**PREREQUISITE:** Successful Completion of Summer Assignment, Successful completion of Algebra II

The AP Computer Science A course is an introductory course in computer science. Because the design and implementation of computer programs to solve problems involve skills that are fundamental to the study of computer science, a large part of the course is built around the development of computer programs that correctly solve a given problem. These programs should be understandable, adaptable, and, when appropriate, reusable. At the same time, the design and implementation of computer programs is used as a context for introducing other important aspects of computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, the study of standard algorithms and typical applications, and the use of logic and formal methods. In addition, the responsible use of these systems is an integral part of the course.
• design and implement solutions to problems by writing, running, and debugging computer programs.
• use and implement commonly used algorithms and data structures.
• develop and select appropriate algorithms and data structures to solve problems.
• code fluently in an object-oriented paradigm using the programming language Java. Students are expected to be familiar with and be able to use standard Java library classes from the AP Java subset.
• read and understand a large program consisting of several classes and interacting objects. Students should be able to read and understand a description of the design and development process leading to such a program. (An example of such a program is the AP Computer Science Case Study.)
• recognize the ethical and social implications of computer use.

Taking an AP course requires payment for the AP exam and all students enrolled in an AP course must take the AP exam. Reimbursement is available as per school policy.

**AP STATISTICS**

*M501*  
(1.4 Weight)  
1 Credit

**PREREQUISITE:** Successful Completion of Probability & Statistics; successful completion of Pre-Calculus or taking concurrently; Completion of summer assignment is required.  
The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be exposed to four broad conceptual themes: observing patterns and departures from patterns, deciding what and how to measure, producing models using probability theory and simulation and confirming models. Due to possible scheduling conflicts, students may have to choose among the various AP offerings. Taking an AP course does not automatically guarantee that a student will score high enough to receive AP credit on the college level. Check with individual colleges for their policy on AP exam scores. **Taking an AP course requires payment for the AP exam and all students enrolled in an AP course must take the AP exam. Reimbursement is available as per school policy.**

**C++ COMPUTER PROGRAMMING**

*M107*  
1 Credit

**PREREQUISITE:** Successful completion of Algebra I or Algebra II  
This course will teach the basics of the C++ programming language. The students will learn to write programs that include computer input and output, decision-making, branching, looping, numeric and string functions and arrays. Establishing, sorting and searching files will also be discussed. Projects will be a major part of the course.
MUSIC MASTER COURSE LISTING

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<tr>
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<td>Music Theory II</td>
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SUGGESTED SEQUENCE IN MUSIC

**Grade 9:**
- Band
- Symphony
- Glee Club – 9/10
- Jazz Band – 9/10
- Electives

**Grade 10:**
- Glee Club – 9/10
- Band
- Symphony
- Jazz Band – 9/10
- Electives

**Grade 11:**
- Glee Club – 11/12
- Jazz Band – 11/12
- Band
- Symphony
- Electives

**Grade 12:**
- Glee Club – 11/12
- Jazz Band – 11/12
- Band
- Symphony
- Electives

*Career Magnet School and Career Tech Students May enroll in Band and/or Symphony only.*

MUSIC DEPARTMENT

**BAND A**

**J105**

**PREREQUISITE:** Instrumental Ability and Audition

Members of the band are selected by audition with the band director. Band rehearses each morning from 7:25 to 8:04. Participation in other instrumental ensembles requires being in band. Participation includes band camp, football games, parades, formal concerts, and exhibitions. Some extra rehearsals are required. Students in grades...
9, 10, 11 and 12 are eligible. Career Technology and Career Magnet students may be scheduled in the band.

**BAND B**

**J106**  
.75 Credit  
PREREQUISITE: Instrumental Ability and Audition  
Members of the band are selected by audition with the band director. Band rehearses each morning from 7:25 to 8:04. Participation in other instrumental ensembles requires being in band. This band course is designed solely for Fall athletes. Given the demands and rigor of athletic participation, the extra-curricular component of regular marching band is complicated and difficult to fulfill. Students electing this course may attend and participate in travel, games, and parades as their schedules permit, pending approval of the director. Participation includes 2nd, 3rd, and 4th marking periods along with respective parades, formal concerts, and exhibitions. Some extra rehearsals are required. Students in grades 9, 10, 11 and 12 are eligible. Career Technology and Career Magnet students may be scheduled in the band.

**BAND C**

**J119**  
.5 Credit  
PREREQUISITE: Audition into Guard or Auxiliary Units  
Members of the band are selected by audition with the band director and guard advisors. Band rehearses each morning from 7:25 to 8:04. Participation in other instrumental ensembles requires being in band. This band course is designed solely for Guard and Auxiliary Units that participate in Fall and Spring Marching but not the indoor season. Career Technology and Career Magnet students may be scheduled in the band.

**JAZZ BAND – GRADES 9/10**

**J107**  
1 Credit  
PREREQUISITE: Band A or Band B, instrumental ability, audition, proper instrumentation  
Membership in the jazz band is determined by audition. Only those instruments used in such an ensemble are screened and students must show an above-average ability in reading, sight-reading, and overall ability.

**JAZZ BAND – GRADES 11/12**

**J107**  
1 Credit  
PREREQUISITE: Band A or Band B, instrumental ability, audition, proper instrumentation  
Membership in the jazz band is determined by audition. Only those instruments used in such an ensemble are screened and students must show an above-average ability in reading, sight-reading, and overall ability.

**GLEE CLUB 11th and 12th**

**J103**  
1 Credit  
PREREQUISITE: Audition  
Members are selected by audition with the Choral Director. All students in grades 11-12 are eligible to audition and are advised to check the announcements for information concerning these auditions. Glee Club is a scheduled class during the school day with concerts in December and May. Students learn and perform a wide variety of music including Classical, Multicultural, Jazz, and Pop while gaining vocal and music reading skills.
GLEE CLUB 9th and 10th

J111

PREREQUISITE: Audition
Members are selected by audition with the Choral Director. All students in grades 9-10 are eligible to audition and are advised to check the announcements for information concerning these auditions. Chorus is a scheduled class during the school day with concerts in December and May. Students learn and perform a wide variety of music including Classical, Multicultural, Jazz, and Pop while gaining vocal and music reading skills.

MUSIC THEORY I

J300

(PREREQUISITE: Students must also be currently enrolled in band, chorus, or orchestra or studying music privately with an approved performance concentration taught by an approved certified instructor. The ability to read and perform music is essential for development in this class. Guitar students that read tabulature only will find this class very difficult.

GRADES: 9, 10, 11, 12

Previously titled “MUSIC SIGHT-SINGING & DICTATION,” this course is designed for students that want to strengthen basic music fundamental skills and improve their ability to sing music at sight. Dictation is used as part of the course to help with aural skills and the reading of melody, harmony and rhythm. This course is of great value to students involved in musical organizations in or out of school and those students planning to pursue further training in music after graduation. Fundamentals of Music Theory I are essential components of university auditions and placement exams.

AP MUSIC THEORY

J501

(PREREQUISITE: MUSIC THEORY I or Music Supervisor Approval; Completion of summer assignment is required.

Students must have an approved performance concentration which includes daily application of theoretical knowledge through music notation. Guitar tablature and “playing by ear” are not acceptable. Suitable concentrations include singing in chorus or performing on a musical instrument in band, orchestra, or studio lessons. It is highly recommended that CASHS Music Theory I is taken prior to scheduling this class. If that is not possible, CASHS has supplementary workbooks that can prepare musically literate students for AP Music Theory.

Objectives:

➢ To learn basic musical language and grammar including notation, harmonic analysis, and part writing which will lead to thorough audiation skills. This will enable music composition and advanced music theory knowledge.

➢ To obtain and practice the dictation/ listening skills required for sight reading musical literature.

➢ To recognize the development of music from an historical and cultural perspective and extend musical awareness beyond music currently familiar to the student.

➢ To prepare for the AP Music Theory Exam taken upon completion of the course.

Taking an AP course requires payment for the AP exam and all students enrolled in an AP course must take the AP exam. Reimbursement is available as per school policy.
MUSIC THEORY II

J303  
(1.2 Weight)  
1 Credit

PREREQUISITE: “Music Theory I” or AP Music Theory  Students must also be currently enrolled in band, chorus, or orchestra or studying music privately with an approved performance concentration taught by an approved certified instructor. The ability to read and perform music is essential for development in this class.

Previously titled “MUSIC TECHNOLOGY” and Music Theory III. This course the highest level of the music learning sequence. It is all about music composition and an introduction to various elements of music technology, including synthesizer performance and programming and MIDI (musical instrument digital interface), and using notation and sequencing software to create compositions and arrangements. This is a "hands on" lab course. Students use computers, synthesizers and recording equipment to create individual and class projects. Recommended for students going into college music programs. The number of computers and synthesizers available limits class size.

SYMPHONY

J109  
1 Credit

PREREQUISITE: Instrumental Ability and Audition

Members of the orchestra are selected by audition with the orchestra director. Symphony Orchestra rehearses on Thursday’s after school from 3:30 – 5:10 p.m. and string players attend a group lesson for one full period each week. Students in grades 9, 10, 11 and 12 are eligible. Career Technical students may be scheduled for orchestra.

HISTORY AND LISTENING

J112  
.5 Credit

PREREQUISITE: None

GRADERS: 9th – 12th

Music History is the study of Western Art Music and involves listening to a great amount of music and studying its place in history. The objective of the course is to expose the student to many different styles of music through listening experiences and to study current trends in music. All students planning to attend college would do well to schedule this course in preparation for general studies requirements in higher education.

HIGH SCHOOL GENERAL MUSIC

J115  
.5 Credit

PREREQUISITE: None

Students will study music through the ages, world music, popular music, and learn to play the piano and write a melody.

Music through the ages – Students will create a “radio show” from a time period in history, play music and announce events from that time. Through this, students will learn what music was popular at a particular time.

World Music- Students will sing and play music of Latin America, African, African-American, Native American and Japanese cultures. Drumming and singing will be a large part of this.

Popular Music – Students will choose a style, artist, or group to research and present to the class.

Piano – Students will learn to play basic songs on the piano using the keyboards, and will write their own melody.

Students will gain a broad understanding of many music topics in a largely participation-based class.
**BELL CHOIR**

J104

PREREQUISITE: Glee Club membership, musical ability, willingness to rehearse during lunch

Membership is capped at 12 ringers in each choir to play three octaves of handbells.

Members are selected by the director from Glee Club Membership based on ability, experience and musicianship.

**INTRODUCTION TO PIANO**

J113

PREREQUISITE: None

Students will learn to play the piano from a beginner level. Within a given lesson, students will be able to progress at their own pace. Students will receive group and individual instruction while practicing individually on the keyboards with headsets. Students will participate in performance assessments and recitals. Students will also perform individually and in groups. Upon completion of this course, students will be able to play proficiently with both hands and read piano music. *This course is not for experienced piano students.*

**ADVANCED PIANO**

J110

PREREQUISITE: Students must also be currently enrolled in band, chorus, or orchestra or earned an “A” in Introduction to Piano The ability to read and perform music is essential for this class. It is designed to strengthen the advanced beginner to intermediate student’s keyboard skills. Students will study hand positions, fingering, rhythm, sight-reading, intervals, chords and scales. Students will perform in class recitals.

**BEGINNING GUITAR**

J114

PREREQUISITE: None

Students will learn to play the guitar from a beginner and intermediate level. Within a given lesson, students will be able to progress at their own pace. Guitarists will receive group and individual instruction while practicing individually. Students will participate in performance assessments and recitals, performing individually and in groups. Upon completion of this course, students will be able to play proficiently using chords and individual treble clef notes in first and second position. Students will also gain an understanding of basic music theory applicable to the guitar. *Experienced players should not take this class.*

**GUITAR ENSEMBLE**

J119

PREREQUISITE: Beginning Guitar or Teacher Approval

Students will learn to play guitars with other players in a musical performing ensemble at an intermediate to advanced level. Students must have their own guitars and optional amps. This is a performance based ensemble. Students must know how to read music. Concerts and recitals will be scheduled as well as limited engagements in the community. *Experienced players should take this class.*
PERFORMING ENSEMBLES

PREREQUISITE: Auditions in Band, Glee Club, Symphony
Membership in Choristers, Pep Band, Steel Cantamos Band, Bell Choir, Combo, and Symphonette is determined by the directors of Band, Glee Club and Symphony. Members of these groups should contact the director if interested in a performing ensemble.
## SCIENCE MASTER COURSE LISTING

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<td>AP Physics B2</td>
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## SUGGESTED SEQUENCES IN SCIENCE

### Traditional Academics

#### Grade 9:
- Biology - I
- Honors Biology

#### Grade 10:
- Biology or Honors Biology
- Honors Physics or Physics
- Biology – II

#### Grade 11:
- Biology
- Physical Science
- Physics or Honors Physics
- Chemistry or Honors Chemistry
- Electives

#### Grade 12:
- Earth Science
- Physical Science
- Chemistry or Honors Chemistry
- AP Electives
- Human Anatomy and Physiology

*Higher level courses available based on prerequisites*
SCIENCE DEPARTMENT

BIOLOGY I

S114  1 Credit
PREREQUISITE: None
Biology I is part one of a two course series in biology. Students enrolled in Biology I will receive instruction in basic biological principles, chemical basis for life, bioenergetics, and homeostasis and transport. Students in 9th grade who are not taking Honors Biology or CP Biology should select this course. Students in 10th grade should select this course if they have not taken a biology course, or failed biology in 9th grade. Students taking this course in 10th grade should also take Biology II concurrently.

BIOLOGY II

S115  1 Credit
PREREQUISITE: Successful completion of Biology I
Biology II is part two of a two course series in biology. Students enrolled in Biology II will receive instruction in cell growth and reproduction, genetics, theory of evolution, and ecology. Students who have taken Biology I should select this course. The Biology Keystone Exam will be administered at the conclusion of this course. Scoring proficient or advanced on the Biology Keystone Exam is a graduation requirement.

HONORS BIOLOGY

S301 (1.2 weight)  1 Credit
PREREQUISITE: 9th grade - or satisfactory completion of accelerated 8th grade Earth/Physical Science.
Honors Biology will receive instruction in basic biological principles, the chemical basis for life, bioenergetics, homeostasis and transport, cell growth and reproduction, genetics, the theory of evolution, and ecology. Topics in this one year honors class will be covered at an accelerated pace and with higher academic expectations of the student. Students who intend to enter college and pursue a STEM related career should select this biology course. The Biology Keystone Exam will be administered at the conclusion of this course. Scoring proficient or advanced on the Biology Keystone Exam is a graduation requirement.

HUMAN ANATOMY & PHYSIOLOGY

S303 (1.2 weight)  1 Credit
PREREQUISITE: Completion of Biology, Completion of a chemistry course is strongly recommended, may be concurrent. Completion of a summer assignment is required. The Human Anatomy and Physiology course is designed for students who want to learn more about the human body and how it works. Organization of the human body is discussed using anatomical and physiological terminology. The eleven major human body systems are examined with a particular emphasis on structure and function as well as disorders. The course applies principles of Anatomy and Physiology to real world medical conditions and incorporates inquiry based labs. The course is designed to develop critical thinking and analyzing skills consistent with an introductory college style experience. Students interested in medically related careers, exercise, or health would benefit from the content of this course. OPTIONAL HAAC CREDIT: Students can earn 3 college credits from Harrisburg Area Community College. Students wishing to earn college credits must take a placement test, submit
an admission form and payment to HACC to earn the credits. Students may see their Counselor for more information.

**AP BIOLOGY**

* S500 (1.4 weight) 1.5 Credit  
**PREREQUISITE:** Completion of Honors Biology or CP Biology; completion of a Chemistry course, may be concurrent. Completion of summer assignment is required.  
The AP Biology course is a college-level biology course designed to be the equivalent of a two-semester college introductory biology course usually taken by Biology majors during their first year. Students cultivate their understanding of biology through inquiry-based investigations as they explore the topics of evolution, cellular processes, genetics, information transfer, ecology, and interactions. This course requires that twenty-five percent of the instructional time be devoted to hands-on laboratory work with an emphasis on inquiry-based investigations. A summer assignment is required. *Taking an AP course requires payment for the AP exam and all students enrolled in an AP course must take the AP exam. Reimbursement is available as per school policy.*

**AP ENVIRONMENTAL STUDIES**

* S503 (1.4 weight) 1 Credit  
**PREREQUISITE:** Teacher Recommendation. Completion of a summer assignment is also required.  
The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risk associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental Studies is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. *Taking an AP course requires payment for the AP exam and all students enrolled in an AP course must take the AP exam. Reimbursement is available as per school policy.*

**PHYSICS**

* S102 1 Credit  
**PREREQUISITE:** Satisfactory completion of Algebra I  
The intent of this course is to help students better understand the “why” of things in science and provide information on a variety of physical topics. The course includes a conceptual and mathematical based study of motion, forces, energy, and waves. Demonstrations and laboratory exercises are used to help students understand the concepts and relationships between ideas. This course, with both descriptive and mathematical aspects, requires the student to have mastery of the solution processes involved with algebraic equations, successful experience in solving “word” problems, as well as abstract & critical thinking skills. Additional mathematical and manipulation skills such as use of trigonometry and experimental data analysis are included as a part of this course.
HONORS PHYSICS
S300
(1.2 weight) 1 Credit
PREREQUISITE: Satisfactory completion of Algebra II; concurrent Geometry or higher
The intent of this course is to provide the higher-level math/science student comprehensive coverage of Newtonian mechanics. Students must demonstrate critical thinking and problem solving abilities along with effective organizational skills. Due to the pace of the course, the student must be mathematically strong and able to solve symbolic algebraic equations and “word” problems with ease. Major topics include: kinematics, forces and momentum, work and energy, waves, light and sound properties. Demonstrations and laboratory exercises are used to help students understand the concepts and relationships between ideas. The use of a calculator is required.

CHEMISTRY
S105 1 Credit
PREREQUISITES: Satisfactory completion of Algebra I; Geometry (may be concurrent); completion of Physics is recommended
Intriguing activities introduce students to the world of chemistry. Students learn chemical facts and concepts using an application-based approach to learning. One of the goals of the course is to foster educated and informed decisions regarding chemical issues facing today’s society. Demonstrations and laboratory activities link abstract concepts to concrete observations. Topics of study include: matter & measurement; atomic structure; nomenclature; chemical reactions; solutions; stoichiometry; chemical bonding; gases; thermo chemistry; petroleum; food chemistry; and nuclear chemistry.

HONORS CHEMISTRY
S302
(1.2 weight) 1 Credit
PREREQUISITES: Honor’s Physics (may be concurrent), concurrent Algebra II
The Honors Chemistry course is designed to give students an understanding of the basic principles of chemistry. It does so with emphasis upon the most enjoyable aspect of chemistry—the laboratory experience. Chemical principles and descriptive chemistry are carefully balanced and illustrated by demonstrations and laboratory activities. A meaningful and coherent course includes kinetic theory, bonding, acid-base chemistry, redox chemistry, chemical equations, atomic & electronic structure, thermochemistry, intermolecular forces, and the behavior of gases. Additional topics may be introduced at appropriate times.

EARTH SCIENCE
S103 1 Credit
PREREQUISITES: Completion of Biology
The earth science course is divided into four basic areas of study: astronomy, geology, meteorology, and hydrology and oceanography. A general review of each area is explored. An emphasis is placed on relating these Earth Science concepts to our Pennsylvania environment and composition.

PHYSICAL SCIENCE
S111 1 Credit
PREREQUISITE: Grades 11 and 12 Only
Physical science is a survey of Physics and Chemistry. The purpose is to develop and use the scientific method in preparing, conducting and drawing conclusions for experiments. Students learn to manipulate and interpret mathematical procedures used in scientific data and analysis. Subjects include scientific measurements, force and motion, classification of matter, changes in matter, and various forms of energy.
ORGANIC CHEMISTRY

S109  .5 Credit

PREREQUISITES: Completion of Honors Chemistry - Seniors Only
Introduction to Organic Chemistry is designed to provide students with concepts and fundamentals taught in the first-year organic chemistry course at the college level. This course is designed for students intending to pursue a career in medicine, chemistry or biology, engineering, pharmacology, or research.

Topics may include: nomenclature, reaction mechanism, synthesis, chirality, functional groups, Lewis model, hybridization, structural formulas, bonding, nucleophiles and electrophiles.

AP CHEMISTRY

S501   (1.4 weight)   1.5 Credit

PREREQUISITE: Completion of Honors Chemistry - Completion of summer assignment is required.
The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. The course should attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course should contribute to the development of a student’s ability to think clearly and express ideas, orally and in writing, with clarity and logic. A summer assignment is required. Check with college and universities regarding policy on AP exam scores. Taking an AP course requires payment for the AP exam and all students enrolled in an AP course must take the AP exam. Reimbursement is available as per school policy.

AP PHYSICS B1

S502   (1.4 weight)   1.5 Credit

PREREQUISITE: Completion of Honors Biology, Honors Physics, and/ or Honors Chemistry
The College Board describes AP Physics 1 as “an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills.”

This is an extremely fast paced course geared towards the advanced, motivated learner. The course begins with the required summer assignment, continues through early May with the AP Exam and ends with special interest projects. Equal emphasis is placed on high level mathematical and verbal reasoning skills. Laboratory assignments are a critical component of the course and students are required to write formal labs maintained in a scientific portfolio. Taking an AP course requires payment for the AP exam and all students enrolled in an AP course must take the AP exam. Reimbursement is available as per school policy.

AP PHYSICS B2

S504   (1.4 weight)   1 Credit

PREREQUISITE: Completion of AP Physics 1
The College Board describes AP Physics 2 as “an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electric circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and
nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills.”

This is an extremely fast paced course which builds on concepts and scientific skills learned in AP Physics 1 and geared towards the advanced, motivated learner. The course begins with the required summer assignment, continues through early May with the AP Exam and ends with special interest projects. Equal emphasis is placed on high level mathematical and verbal reasoning skills. Laboratory assignments are a critical component of the course and students are required to write formal labs kept in a scientific portfolio. **Taking an AP course requires payment for the AP exam and all students enrolled in an AP course must take the AP exam. Reimbursement is available as per school policy.**
### SOCIAL STUDIES MASTER COURSE LISTING

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<th>Course No.</th>
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### SUGGESTED SEQUENCES IN SOCIAL STUDIES

#### Traditional Academics

**Grade 9:**
- Early American History
- CP Early American History
- AP US History

**Grade 10:**
- Modern American History or
- CP Modern American History or
- AP World History
- AP Government & Politics
- AP Psychology

**Grade 11:**
- CP World History or
- World History
- AP World History
- AP Government & Politics
- AP European History
- AP Psychology
- Elective choices below

**Grade 12:**
- Civics
- Electives: (based on graduation requirements)
- Psychology
- Sociology
- AP Psychology
- AP American Government and Politics
- AP Macroeconomics
- AP World History
- Economics
SOCIAL STUDIES DEPARTMENT

EARLY AMERICAN HISTORY

H115 1 Credit
PREREQUISITE: None
Early American History is a ninth grade social studies. Students are required to research selected topics and write about their research.

CP EARLY AMERICAN HISTORY

H116 1 Credit
PREREQUISITE: Recommended that students must have above average English grades in eighth grade College Prep (CP). CP Early American History is a ninth grade social studies course that covers the same material as the Early American History course, but in greater detail. Students are required to research selected topics and write about their research.

MODERN AMERICAN HISTORY

H102 1 Credit
PREREQUISITE: None
Modern American History is a survey course, which begins with 1914 and continues to the present. Students should gain an understanding of the meaning of past events to American history. Political themes and geographical knowledge are stressed. Students should come to develop an appreciation of their heritage through the study of the experiences of those who help shape the country.

CP MODERN AMERICAN HISTORY

H103 1 Credit
PREREQUISITE: None
This course is designed to meet the needs of the college bound student covering the time period of 1914 to present. It is a survey course presented in a chronological context. Emphasis is placed on exploring the concepts and issues that are a part of the American experience. Material is presented and evaluated in a manner that encourages the development of academic skills that are essential for success in college. Written expression of ideas, analytical thinking and note taking are examples of those requisite skills.

WORLD HISTORY

H100 1 Credit
PREREQUISITE: None
World history provides an indepth examination of the modern histories of Europe, Africa, The Middle East, and Asia since 1450 A.D. Students will examine traditional life, the impact of global connections, and the modern era in each of these regions. Students will be exposed to diverse historical perspectives on major events in world history.

CP WORLD HISTORY

H101 1 Credit
PREREQUISITE: Successful completion of English 9A or A in English 9B
See WORLD HISTORY for course description. This course is designed especially for students who have chosen the college preparatory curriculum. Stress is placed on the elements necessary for success in a college environment. For example, active reading, note taking and listening in class are basic skills students will be expected to acquire and demonstrate. Students should be aware that performance will be evaluated according to an academic standard.
AP WORLD HISTORY

H505  (1.4 weight)  1 credit

PREREQUISITES: Successful completion of 9th grade Honors or CP English Language Arts; CP Early American History; Successful completion of a summer assignment

The Advanced Placement World History can be elected to fulfill the 11th grade World History requirement. This course provides an in-depth study of the foundations of world historical patterns, major historical developments across cultures, and in-depth analysis of their impact on modern day society. Students will be expected to think critically, utilize analytical skills, and complete college level readings and assignments to gain an understanding of how the world’s history has come to shape today’s world. Students will be required to complete numerous reading and writing assignments. A satisfactory grade on this exam can earn up to three credits that are transferable to most colleges and universities. Taking an AP course requires payment for the AP exam and all students enrolled in an AP course must take the AP exam. Reimbursement is available as per school policy.

AP UNITED STATES HISTORY

H500  (1.4 Weight)  1 Credit

PREREQUISITE: 9th Grade – Teacher recommendation from 8th ELA and/or 8th Grade Social Studies. Completion of summer assignment

The Advanced Placement United States History course is designed for qualified students who wish to complete studies in secondary school equivalent to college introductory courses. College credit can be attained by achieving a qualifying grade on the AP exam administered nationwide in May. The course is structured to strike a balance between a survey approach, which teaches factual knowledge, and an interpretive format, which emphasizes critical analysis. A variety of resources are employed, including a general text, foreign policy text, several collections of primary sources and a number of monographs. Students must be able to take notes from printed material, lectures and video documentaries. It is also essential that students be able to express themselves with clarity and precision. AP course may have summer assignments. Due to possible scheduling conflicts, students may have to choose among the various AP offerings. Taking an AP course does not automatically guarantee that a student will score high enough to receive AP credit on the college level. Check with individual colleges for their policy on AP exam scores. Taking an AP course requires payment for the AP exam and all students enrolled in an AP course must take the AP exam. Reimbursement is available as per school policy.

AP EUROPEAN HISTORY COURSE

H501  (1.4 weight)  1 Credit

PREREQUISITE: Score of proficient or advanced on the 10th grade Keystone Literature Examination; Successful completion of 10th grade Honors or 10th grade College Preparatory English; AP World History and AP United States History; Successful completion of a pre-course summer assignment.

The Advanced Placement European History course can be selected to fulfill one of the required 3-1/2 Social Studies credits needed for graduation. It can also be selected to serve as an elective credit for graduation purposes. This course provides an in-depth analysis of the factors and ideologies which fueled the formation of the current European continent from the emergence of the Black Death in the 14th century to the formation of the modern European Union. It is a combination of a factual based survey based approach, and a more interpretative, evaluation based format which will assist students in understanding how events such as: the Italian Renaissance, the Scientific Revolution, and the causes and effects of WWI and WWII have helped to shape the current climate of not only European but global interactions between countries as well. Students will be expected to: think critically, utilize analytical skills, and complete college level readings and assignments, to help further their ability to interpret the historical significance of these events. Students will be required to complete numerous literature
and writing based assignments to reinforce their ability to successful apply the information they have learned, and must be prepared to take the AP European History exam in May of each school-year. A satisfactory grade on this exam can earn up to three (3) college credits, which are transferrable to most colleges and universities. **Taking an AP course also requires payment for the AP exam, and all students enrolled within the course, must take the exam in May. Reimbursement for successful completion on the exam is possible, per school policy.**

**ECONOMICS**

*H104* 
.5 Credit  
PREREQUISITE: Fine Arts and Humanities Pathway Elective  
The purpose of this course is to provide the student with an introduction to the basic principles of economics. In a world where most of the contemporary problems confronting mankind are essentially economic in nature, an understanding of analytical tools and general economic principles is a fundamental part of sound academic preparation. The course will provide the student with information that is practically useful both in the conduct of his personal affairs and in his general role as a citizen. Topics and issues to be presented include production and consumption activities in a modified capitalistic system, forms of business enterprise--from proprietorship to corporation, the role of labor and government, money and banking functions and specialized economic problems of contemporary society.

**SOCIOLOGY**

*H105* 
.5 Credit  
PREREQUISITE: Fine Arts and Humanities Pathway Elective  
This course is designed to acquaint students with man's behavior in society through the study of patterns of group behavior. Concentration will be upon basic values and the norms and institutions, which reflect these values. Problem areas in current society will be highlighted.

**PSYCHOLOGY**

*H106* 
.5 Credit  
PREREQUISITE: Fine Arts and Humanities Pathway Elective; Successful completion of Biology, Juniors and Seniors have priority in scheduling.  
Psychology is an elective survey course. The course provides a general introduction to the field of psychology for students who want some background in and understanding of the subject. Areas of study encompass a wide range of topics including the psychology of sensation and perception, intelligence, behaviorism, dreams and dream theory, abnormal behavior, life span psychology, stress and theories of personality. Students will gain some insight into the major trends, theories, important individuals and vocabulary associated with the field as we look at different approaches to the question of why people act as they do.

**CIVICS**

*H109* 
.5 Credit  
PREREQUISITE: Enrollment in or successful completion of 11th grade Modern American History.  
This course will cover the early formation of the US Government with an emphasis on the US Constitution, the three branches of government and the election process. Students are required to attend a local government meeting. There will also be a current events component incorporated into the semester.
**AP PSYCHOLOGY**

_H502 (1.4 Weight) 1 Credit_

**PREREQUISITE:** Successful completion of Biology, CP English, or CP Social Studies.

*Completion of summer assignment is required.*

AP Psychology is an elective survey course for students who intend to take the Advanced Placement test or who want to acquire helpful background in preparation for academic careers in which some basic understanding of psychology is necessary – nursing, law enforcement, physical/occupational therapy, education, law, etc. The course is approached as a discipline and follows the suggested guidelines promoted by the College Board and the American Psychological Association, which states the purpose of the course, should be “To introduce the AP student to the systemic and scientific study of the behavioral and mental processes of human beings and other animals.” Areas of study are the same as those in General Psychology, but are more concentrated. Students are expected to become conversant with the vocabulary, history, and theory and practice of psychology. In-depth readings, reaction/analysis assignments and practice essays will contribute to the acquisition of that knowledge. Due to possible scheduling conflicts, students may have to choose among the various AP offerings. **Taking an AP course requires payment for the AP exam and all students enrolled in an AP course must take the AP exam. Reimbursement is available as per school policy.**

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**AP AMERICAN GOVERNMENT AND POLITICS**

_H503 (1.4 Weight) 1 Credit_

**PREREQUISITE:** Recommend completion of CP World History, enrolled in or successfully completed CP/AP American History, Junior or Senior Year; Completion of summer assignment.

This AP course is designed to allow the student to develop a better understanding of our government through: examining how our government was established; the three branches of our government and their roles; the role of political parties, interest groups and the mass media; public policy making; the role of citizens within the government; and civil right and liberties. Students will need to check with individual colleges and universities for policies involving AP exam scores and credit. The Social Studies department offers various AP courses, which may create scheduling conflicts causing the student to choose from the courses offered. **Taking an AP course requires payment for the AP exam and all students enrolled in an AP course must take the AP exam. Reimbursement is available as per school policy.**

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**AP MACROECONOMICS**

_H504 (1.4 Weight) 1 Credit_

**PREREQUISITE:** Recommend completion of CP World History, enrolled in or successfully completed CP/AP American History; Completion of summer assignment. Open to juniors and seniors.

The purpose of an AP course in Macroeconomics is to give students thorough understanding of the principles of economic system as a whole. Particular emphasis is placed on the study of national income and price determination. The course also develops student familiarity with economic performance measures, economic growth, and international economics. **Taking an AP course requires payment for the AP exam and all students enrolled in an AP course must take the AP exam. Reimbursement is available as per school policy.**
### TECHNOLOGY EDUCATION MASTER COURSE LISTING

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Weighted Value</th>
<th>Credit Value</th>
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<tbody>
<tr>
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<td>T101</td>
<td>Wood Technology II</td>
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<tr>
<td>T102</td>
<td>Wood Technology III</td>
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<tr>
<td>T103</td>
<td>Manufacturing and Enterprise</td>
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<tr>
<td>T107</td>
<td>Residential Architectural Drawing</td>
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<tr>
<td>T108</td>
<td>Commercial Design Architect</td>
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<tr>
<td>T109</td>
<td>Computer Graphic Design in the Media</td>
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<tr>
<td>T110</td>
<td>Photography</td>
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<tr>
<td>T114</td>
<td>ePhotography</td>
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<tr>
<td>T115</td>
<td>Technical Design and Prototyping</td>
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<tr>
<td>T116</td>
<td>Graphic Communications</td>
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<tr>
<td>T117</td>
<td>Tech CAD 1: Computer Assisted Drawing</td>
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<tr>
<td>T118</td>
<td>Tech CAD 2: 3-D Solid Modeling</td>
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<tr>
<td>T119</td>
<td>Photography II</td>
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</tbody>
</table>

### SUGGESTED SEQUENCES IN TECHNOLOGY EDUCATION

#### Traditional Progression

**Grade 9:**
- Technical Design & Prototyping
- Computer Drawing & Technical Design
- Wood Technology I
- Computer Design in the Media
- Graphic Communications

**Grade 10:**
- Computer Drawing & Technical Design
- Residential Architecture
- Technical Design & Prototyping
- Wood Technology I
- Graphic Communications
- Computer Design in the Media

**Grade 11:**
- Residential Architectural Drawing
- Photography I
- Wood Technology II
- Manufacturing and Enterprise
- Computer Design in the Media
- Computer Drawing & Technical Design
- 3-D Solid Modeling
- Graphic Communications

**Grade 12:**
- Residential Architectural Drawing
- Commercial Design Architect
- 3-D Solid Modeling
- Manufacturing and Enterprise
- Computer Design in the Media
- Photography II
- Wood Technology III
- Computer Drawing & Technical Design
- Graphic Communications
TECHNOLOGY EDUCATION DEPARTMENT

WOOD TECHNOLOGY - Level I

T100
PREREQUISITE: None
A project centered course in basic woodworking offered to all students. Opportunities for design and problem solving skills are part of the experience with an emphasis placed on applied mathematics. Students will develop basic knowledge, skills, and safety practices using contemporary woodworking equipment. Students build their projects from plans, which include: wall shelves, puzzles, pictures frames, jewelry boxes and other similar products.

WOOD TECHNOLOGY – Level II

T101
PREREQUISITE: Wood Technology I
A project centered course in intermediate level woodworking. Intermediate tool and machine techniques will be applied in the design and construction of wood products. Project work is focused on small scale cabinet construction methods with an emphasis placed on design and engineering of wood products.

WOOD TECHNOLOGY – Level III

T102
PREREQUISITE: Wood Technology II
A project centered course in advanced woodworking with an emphasis on design. Students will also design and construct tooling that will be used to make their project.

MANUFACTURING & ENTERPRISE

T103
PREREQUISITE: Wood Technology I. Recommended Tech CAD I be taken previously or concurrently.
Students learn how manufacturing technology is applied in industry. Working in teams, students design and mass-produce a marketable product. Various aspects of manufacturing will be explored such as: safety, management, research and development, production, and marketing. Students will also be exposed to the world of automation and the role of robotics in manufacturing.

TECH CAD 1: COMPUTER DRAWING AND TECHNICAL DESIGN

T117
PREREQUISITE: None
An introductory course for all students. Topics include: engineering drawing techniques, technical drawing instruments, computer-assisted drawing using AutoCAD software. Emphasis is placed on applying engineering drawing techniques as a form of communication in a technological world.

TECH CAD 2: 3-D SOLID MODELING

T118
PREREQUISITE: Tech CAD 1
Students will advance the knowledge and skills learned in Tech CAD 1. Students will solve engineering problems using AutoCAD INVENTOR 3-dimensional design software. Emphasis is placed on developing higher-level technical communication skills.
RESIDENTIAL ARCHITECTURAL DRAWING

T107 1 Credit
PREREQUISITE: None – recommended Tech CAD 1
An introductory course in architectural drawing for all students. Topics include: basic technical drawing, scale measurement, room planning, basic house construction. Students will create technical drawings using AutoCAD software. Emphasis will be placed on understanding technical drawing as it applies to architectural design.

COMMERCIAL DESIGN ARCHITECTURAL

T108 1 Credit
PREREQUISITE: Residential Architectural Drawing.
This course is designed for the student interested in a career as a designer, architect, engineer, or other technical design professions. The activities in this course build upon skills students learned in residential architectural drawing. Students will build scale models of the designs they draw using AutoCAD REVIT architectural design software.

COMPUTER DESIGN IN THE MEDIA

T109 .5 Credit
PREREQUISITE: None
A course in graphic design, students will develop computer skills using: Adobe Photoshop, Illustrator and InDesign software. Applied design projects include designing advertisements, promotional brochures, CD case booklets, calendars, posters, flyers, newsletter and magazine layouts.

GRAPHIC COMMUNICATIONS

T116 .5 Credit
PREREQUISITE: Grades 9, 10, 11 and 12
A course in graphic design, students learn how offset lithography and advanced screen printing technology is used in a production environment. Project work includes students own design work and service production work for other school organizations.

TECHNICAL DESIGN AND PROTOTYPING

T115 .5 Credit
PREREQUISITE: None
An introductory course in applied design and engineering. Activities in this course involve solving technical problems, sketching and drawing designs of their solutions, building prototypes from their drawings and testing their prototypes to see if their solutions worked. Project work may include: designing and building model bridges, towers and cranes: designing and building model cars, boats, planes and other vehicles. Students will use high-tech methods including rapid prototyping and computer numerical control technologies.

PHOTOGRAPHY I

T110 .5 Credit
PREREQUISITE: Juniors and Seniors Only
This course is designed to equip the student with the basic skills needed in all phases of the photographic process. Camera operation, with emphasis on proper exposure and composition, will be stressed. Students will develop darkroom skills by completing various assignments using black and white film. Digital photography and Adobe PhotoShop will also be explored.
PHOTOGRAPHY II

T119

PREREQUISITE: Juniors and Seniors Only

Photography II is a semester course. Students who have successfully completed Photography I are eligible to take Photography II. Students will apply and enhance skills developed in all phases of the photographic process. Attention will be placed on the areas of light/exposure, camera technique, finishing and mounting prints. Students will also create and evaluate work concentration in the areas of artificial light photography, digital image capture, manipulations, output and special techniques. Students will be engaged in various laboratory exercises and the development of a student portfolio.
WORLD LANGUAGE MASTER COURSE LISTING

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Weighted Value</th>
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<tr>
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<td>F103</td>
<td>German II</td>
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<tr>
<td>F104</td>
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<td>F503</td>
<td>AP Spanish</td>
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SUGGESTED SEQUENCES IN WORLD LANGUAGE

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<tr>
<th>Traditional Academics</th>
<th>Grade 10:</th>
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<tr>
<td>Spanish I or Honors Spanish I</td>
<td>Honors Spanish I or II or III</td>
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<tr>
<td>German I or Honors German I</td>
<td>Honors German I or II or III</td>
</tr>
<tr>
<td>Honors Latin I</td>
<td>Honors Latin I or II</td>
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<table>
<thead>
<tr>
<th>Grade 11:</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP Spanish or German or Latin</td>
</tr>
<tr>
<td>Elective (based on graduation requirements)</td>
</tr>
<tr>
<td>Language courses may be continued or a new language may be started in these years.</td>
</tr>
</tbody>
</table>

WORLD LANGUAGE DEPARTMENT

MODERN WORLD LANGUAGES

GERMAN, SPANISH

LEVEL I
PREREQUISITE: None
This course introduces the student to the basic vocabulary and expressions, the rules of pronunciation, and the grammatical structures of the language. An introduction to the culture of the people is also covered.

LEVEL II
PREREQUISITE: Level I
This course reviews the basic vocabulary and grammar learned in the first level of the language. Grammar and vocabulary are expanded through work with reading selections. More emphasis is placed on the student's reading and writing ability and the culture of the people is also stressed.
HONORS LEVEL I
(1.2 Weight)  
I Credit
PREREQUISITE: CP or Honors English requirement or native speaker
This course introduces the student to the vocabulary and expressions, the rules of pronunciation, and the grammatical structures of the language. An introduction to the culture of the people is also covered. The course is designed to present the material in greater depth at a faster pace for the language learner who intends to continue language study during multiple years culminating in AP study.

HONORS LEVEL II
(1.2 Weight)  
I Credit
PREREQUISITE: Honors I or General Level
This course reviews the vocabulary and grammar learned in the first level of the language. Grammar and vocabulary are expanded through work with reading selections. More emphasis is placed on the student's reading and writing ability and the culture of the people is also stressed. The course is designed to present the material in greater depth at a faster pace for the language learner who intends to continue language study during multiple years culminating in AP study.

HONORS LEVEL III
(1.2 Weight)  
I Credit
PREREQUISITE: Honors II
This course reviews the vocabulary and grammar learned in Honors I and II of the language. Additional grammar points and vocabulary are studied in greater depth and detail. Students will read longer selections that include cultural material. Students are encouraged to express themselves through speaking and writing. This level is designed to continue the acceleration of language study in preparation for the AP study.

AP GERMAN
F502  
(1.4 Weight)  
I Credit
PREREQUISITE: Recommend Honors German III. Completion of a summer assignment is required.
The AP German course emphasizes the use of language for active communication through the development of the following competencies: having a strong command of vocabulary and structures; understanding spoken German in various conversational situations; reading newspaper and magazine articles, contemporary fiction, and non-technical writings without the use of a dictionary; and fluently and accurately expressing ideas orally and in writing. The course work is intense and designed for students who are independent and highly motivated. Although taking the AP course does not guarantee that a student will score high enough to receive AP credit at the college level. Students should check with individual colleges for their policy on AP exam scores. Taking an AP course requires payment for the AP exam and all students enrolled in an AP course must take the AP exam. Reimbursement is available as per school policy.

AP SPANISH
F503  
(1.4 Weight)  
I Credit
PREREQUISITE: Recommend Honors Spanish III. Completion of a summer assignment is required.
The AP Spanish Language course emphasizes the use of language for active communication through the development of: the ability to comprehend formal and informal spoken Spanish; the acquisition of vocabulary and a grasp of structure to allow the easy, accurate reading of newspaper and magazine articles, as well as Hispanic literature; the ability to compose expository passages; and the ability to express ideas who are independent and highly motivated. Taking an
AP course requires payment for the AP exam and all students enrolled in an AP course must take the AP exam. Reimbursement is available as per school policy.

CLASSICAL LANGUAGES

LATIN

HONORS LATIN I

F300   (1.2 Weight)   1 Credit

PREREQUISITE: CP English (8th grade) or Honors English (9th, 10th, 11th grade)

Honors Latin I emphasizes the basic grammar, vocabulary, and culture of classical Latin. Translation and discussion involves classical mythology, Roman entertainments, family culture, and the city of Rome.

HONORS LATIN II

F301   (1.2 Weight)   1 Credit

PREREQUISITE: Honors Latin I

Honors Latin II reviews the basic grammar and vocabulary learned in Honors Latin I and a strong emphasis is placed on learning new verb forms. The course is designed to continue the acceleration of language study in preparation for the IB course.

NON-DISCRIMINATION POLICY

It is the policy of the Chambersburg Area School District not to discriminate on the basis of race, age, color, religion, sex, handicap, disability or national origin in its admission, educational programs, activities or employment policies. For further information regarding these policies or if you need assistance in completing any forms or applications, please contact:

Director of Human Resources at 261-3303 (TDD 261-3317).

Si Vd no habla inglés y no hay nadie que pueda llamar en su lugar, favor de llamar a 261-3316 (TDD 261-3317), y dejar su numero de telefono. Comunicaremos con Vd, en español lo más pronto posible.

REVISED: January 2016