Henry County Schools

2019-2020
High School Advisement Guide and Course Descriptions

This guide is for use with students entering ninth grade during the 2019-2020 school year.

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*Facility Number

Table of Contents

INTRODUCTION

High school is an exciting time and the decisions made in high school can have positive outcomes. The choices made regarding a student's course of study or pathway to complete requirements for a high school diploma are the gateway to post-secondary options. The High School Advisement Guide outlines graduation requirements specified by the Georgia Department of Education and Henry County Public Schools, providing comprehensive information for planning the high school course of study or pathway. This guide should be used by students, counselors, administrators, teachers, and parents/guardians to help prepare a four-year program and identify postsecondary goals. As future goals change and are refined, the high school program may be adjusted. It is important that students plan courses of study or pathways and allow the flexibility for change in those plans.

NOTICE OF EQUAL OPPORTUNITY

The Henry County Board of Education maintains a policy of equal educational, athletic, and employment opportunity. The Henry County Board of Education does not discriminate on the basis of race, color, national origin, sex, disability, religion, veteran status, genetic information, or age in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups. If students and/or parents have concerns, then they should bring such concerns, in writing, to the attention of the principal. If employees have concerns, then they should bring such concerns, in writing, to the attention of their immediate supervisor. The following persons have been designated to handle inquiries and concerns regarding the District's nondiscrimination policies:

Raymond Bryant, Title IV and Title IX
Coordinator Henry County Schools
Administrative Services
33 N. Zack Hinton Parkway
McDonough, Georgia 30253
770-957-6601

Dr. Jolie Hardin, Title II Coordinator
Henry County Schools
Leadership Services
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McDonough, Georgia 30253
770-957-7189

Wanda Williams, SECTION 504/ADA Coordinator
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Exceptional Student Education
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McDonough, Georgia 30253
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ADVISEMENT PROGRAM

One of the primary goals of Henry County Schools is to prepare students to be college, career, and life ready. The Henry County Student Advisement Program is designed to assist students in acquiring the knowledge and skills needed to make decisions that enable them to take full advantage of the well-balanced curriculum offered in our secondary schools. Through the presentation of current information concerning career/pathway selection, graduation requirements, and course offerings during individual and group advisement sessions, the professional educator becomes the mentor to the student. The following procedures are utilized in Henry County Schools to facilitate this process and promote college and career readiness while creating a seamless high school transition with the 8th grade students:

- During the 8th grade year, students and their parents/guardians and advisor/counselor will develop an Individual Graduation Plan (IGP) to be revised annually as prescribed by HB 186 (Bridge Bill).
- Advising students and parents on high school pathways and academic curriculum, preparing them for college applications, admissions, job readiness, soft skills (non-cognitive skills), and interview skills.
- Informing all students of Dual Enrollment and Advanced Placement courses to prepare students for the rigor of postsecondary education.
- Providing information to assist in the planning and preparation for college admissions tests, SAT and ACT and/or armed forces (ASVAB).
- Informing students about postsecondary financing that can be used to support post-secondary options and training.
- Assist students with developing goals, career portfolios, which include test and grades results, examples of student work, and resumes and cover letters to prospective employers.
- Annual advisement sessions are encouraged with students and parent(s)/guardian(s) to provide academic, career, social/emotional guidance, review progress in meeting graduation requirements and to assist in selecting high school courses for the following year. Sessions may be conducted individually or in groups as deemed appropriate by local school personnel.

COURSE REQUIREMENTS

All students are expected to complete a common set of requirements to earn a general diploma. The following units are required under the current graduation rule. *Students who enroll from another state must meet Georgia graduation requirements and the Georgia assessment requirements for the graduation class they enter.*

Areas of Study	Units Required
English/Language Arts*	4
Mathematics*	4
Science*	4
Social Studies*	3
CTAE and/or World Language/Latin and/or Fine Arts	3
Health and Physical Education*	1
Electives	4
TOTAL UNITS (MINIMUM)	23
*Required Courses and/or Core Courses	

CHOOSING ELECTIVES

In addition to the required courses that must successfully be completed to graduate from high school, it is recommended that students select elective courses that are related to their chosen career goals. Students may choose elective courses from areas of career interest and additional academic electives in mathematics, science, social studies, fine arts and foreign languages.

Career/Technology pathways are available in all 17 career clusters, including Agriculture, Architecture and Construction, Audio Video and Graphic Communications, Culinary Arts, Education, Energy Systems, Entrepreneurship, Finance and Accounting, Health Science, Human Services, Information technology, Law, Public Safety, Corrections and Security, JROTC, Marketing, Mechatronics, STEM, and Transportation, Distribution and Logistics. Students are encouraged to complete three courses in a selected pathway and take advantage of the End of Pathway Industry Credential exams. Students who wish to select electives emphasizing fine arts will find a variety available to them. Fine Arts selections may include band,

orchestra, chorus, theater, and visual arts, as well as other music and art courses.

ASSESSMENT PROCEDURES AND REPORTING

Secondary students are evaluated on a continuous basis and progress is reported by 9week grading periods. Several grade reports are available: at the end of nine (9) weeks, eighteen weeks (18), twenty-seven (27), and thirty-six (36) weeks. Grade reports are primarily made available through the Parent Portal, but may be printed at the request of the parent. Final course grades will be indicated upon course completion. Grade reports will show student progress for each subject in which the student is enrolled. These reports summarize the student's progress at that point of the grading period. Informal progress reports may be sent at times other than the system-wide grade report if a school chooses to do so. The letter equivalents for numerical grades are as follows:

90 – 100 = A 80 – 89 = B 74 – 79 = C 70 – 73 = D Below 70 = F

HONOR GRADUATES AND LATIN HONORS

Honor Graduates are those students who complete their senior year within the top 10% of their graduating class, based on the cumulative numeric average (CWNA) earned by the final Friday in April of the senior year*.

Beginning in the 2015-2016 school year, graduates will also have the opportunity to earn the following Latin Honors based on their grade point average (GPA):

Cum Laude	3.63-3.79
Magna Cum Laude	3.80-3.99
Summa Cum Laude	4.00 or higher

The Latin Honors system will be in place as a compliment to the Top 10% recognition for the graduating class of 2016-2017. Beginning with the class of 2018*, only the Latin Honors will be utilized to recognize the academic achievement of our students.

**subject to policy changes/revisions*

END-OF-COURSE Assessment (EOC)

The A+ Educational Reform Act of 2000, O.C.G.A. §20-2- 281, mandates End-of-Course assessments in grades nine through twelve for some core subjects. End-of-Course Test scores are calculated as part of a student's final numeric grade in a course. The End-of-Course Test requirement is also applicable to courses taken on-line and other off campus course options approved by school counselors. ***This Information is subject to change based on state legislation and/or Georgia Department of Education rules/policies.*** End-of-Course Tests will be administered near the end of the course sequence and will be calculated as 20% of the final grade. End-of-Course Testing is required in each of the following eight courses:

Mathematics	English Language Arts
* GSE Algebra	* Ninth Grade Literature and Composition
GSE Geometry	American Literature and Composition
Science	**Social Studies**
* Biology	United States History
Physical Science	Economics

***According to OCGA.20-2-149.2 or 20-2-161.3, any student enrolled in Dual Enrollment courses must also complete the EOC requirement marked with an (*) in the above chart to receive high school credit.**

PREPARING FOR COLLEGE ENTRANCE EXAMS

PSAT (Practice SAT) & PreACT (Practice ACT)

The best preparation for college entrance exams, and for college, is to take challenging courses with a strong academic curriculum. Students should consistently develop and enhance their vocabulary, reading, and writing skills. Students should stretch their thinking by reading a wide variety of challenging writing – fiction, nonfiction, news articles, and informational magazines. The more a student reads the better prepared he or she will be for college and 21st century

workforce skills.
Students are encouraged to study and prepare for entrance exams in order to exceed the minimum college entrance requirements. Students with disabilities requesting accommodations should contact their school counselor at least six weeks prior to registration. For information on college entrance exam practice opportunities on-line, visit: http://www.act.org/ and http://www.collegeboard.org/.

The Preliminary Scholastic Aptitude Test (PSAT/NMSQT) and Preliminary ACT Exam (PreACT) provide students with opportunities to take practice college entrance exams during the high school day. Freshmen, sophomores, and juniors may take the PSAT and PreACT at a nominal cost.

Results from the PSAT and PreACT should be used by students, parents/guardians, teachers, counselors, and other school personnel to help the student identify areas of needed improvement, to make decisions about Advanced Placement course selections, which college entrance exams to take in the future, and possible college choices. Henry County high schools personnel conduct useful test taking and score interpretation programs in conjunction with the annual administration of the PSAT and PreACT. For more information, visit:
SAT/PSAT:
https://collegereadiness.collegeboard.org
ACT/PreACT: http://www.act.org

END OF PATHWAY ASSESSMENTS
Students who successfully complete three (3) required courses in a given CTAE pathway will be provided the opportunity to take an End of Pathway Assessment. These assessments, selected by the Georgia Department of Education, are designed to directly link to industry validated credentials and may result in national industry certifications. Each test measures industry specific technical skills required for entry level employment in a career related to the pathway.

ENTRANCE TESTS FOR COLLEGES AND UNIVERSITIES

ACT
A national college admission and placement examination that is comprised of four curriculum-based tests that measure academic achievement in the areas of English, mathematics, reading, and science reasoning. The ACT is an achievement-based, curriculum-referenced exam designed to measure high school students' general educational development. ACT results are accepted by virtually all colleges and universities in the United States. In addition, the ACT college entrance exam includes an interest inventory that provides valuable information for career and educational planning and a student profile section that provides a comprehensive picture of a student's work in high school and his or her future plans. Scores for each section of the ACT are averaged to create a composite score. A perfect score on the ACT Assessment is 36. The writing portion of the ACT is recommended. Some colleges and universities require the writing portion of the ACT. Students should contact the college or university they plan to attend to determine college admission exam requirements. For more information, visit: www.act.org.

SAT (Scholastic Aptitude Test)
The SAT helps colleges make admissions and placement decisions. The New SAT includes sections on evidence-based reading and writing (reading test, writing, and language test), mathematics that covers a range of math practices, with an emphasis on problem solving, modeling, using tools strategically, and using algebraic structure, and there is an optional 50-minute essay portion.

Scores on each section range from 200-800 points. A perfect score on the SAT is 1600 (excluding the writing score). The SAT subject area tests consist of 20 subject tests, or achievement tests designed to measure subject-area knowledge. Some colleges and universities require one or more portions of the SAT II subject area tests. Students should contact the college or university they plan to attend to determine admission requirements. For more information, visit: www.collegeboard.com.

ENTRANCE ASSESSMENTS FOR TECHNICAL COLLEGES AND CAREER SCHOOLS

ACCUPLACER/Next Generation ACCUPLACER
The COMPASS test is the computerized version of the ASSET. It also has three tests of basic skills in writing, reading, and numerical reasoning, plus more advanced tests in algebra and geometry. The COMPASS test delivers fast and efficient scores to determine placement for a student applying to a technical college or school. For more information, visit: https://accuplacer.collegeboard.org/educator/next-generation or https://accuplacer.collegeboard.org/

ARMED SERVICES VOCATIONAL APTITUDE BATTERY (ASVAB)

The Armed Services Vocational Aptitude Battery is a multiple-aptitude battery, consisting of ten short individual tests that measure verbal, math, and academic ability. The ASVAB provides good indicators of how well students have developed academic and occupational abilities. Scores on the ASVAB can qualify students for certain jobs and training in the Armed Forces, but taking the ASVAB does not commit the student to service in the military. The ASVAB measures aptitudes that are related to success in different careers and provides students with an opportunity to explore career options. The ASVAB is offered on a voluntary basis. Students can contact their school counseling office for dates when the ASVAB will be offered at their high school. For more information, visit: http://official-asvab.com/

REQUIREMENTS FOR PROMOTION (GRADE PLACEMENT)

8^{th} - 9^{th} grade: Meet 8^{th} grade promotion requirements to be assigned to 9^{th} grade 9^{th} -10^{th} grade: Earn 5 units of credit
10^{th} -11^{th} grade: Earn 11 units of credit 11^{th} -12^{th} grade: Earn 17 units of credit

EXTRACURRICULAR ACTIVITIES AND ELIGIBILITY

A well-rounded student is one who has a variety of interests, including academic, social, recreational, and community service. Henry County Schools offer many different extracurricular activities. Students should try to incorporate at least one or two of these activities into their high school experiences. Many employers and colleges look at the student's total record, extracurricular activities as well as academics, when choosing the best candidate for employment or college admission. Students participating in extracurricular activities, including interscholastic activities, must meet the following athletic eligibility requirements as identified in **the Georgia High School Athletic Association Constitution and By Laws.** For more information, please visit: www.ghsa.net.

A. **First-year students** (entering 9^{th} grade) are eligible academically. Second semester **first-year students** must have **passed courses carrying at least 2.5 Carnegie units** the previous semester in order to participate.
B. **Second-year students** must have **accumulated five (5)** total Carnegie **units** in the first year, **AND passed courses carrying at least 2.5 Carnegie units** in the previous semester.
C. **Third-year students** must have **accumulated eleven (11)** Carnegie **units** in the first and second years, **AND passed courses carrying at least 2.5 Carnegie units** in the previous semester.
D. **Fourth-year students** must have **accumulated seventeen (17)** Carnegie **units** in the first three years, **AND passed courses carrying at least 2.5 Carnegie units** in the previous semester.
E. Students may accumulate the required Carnegie units for participation during the school year and eligibility will be reinstated at the beginning of the next semester.

CLUBS, ORGANIZATIONS AND SPORTS

Clubs, organizations and sports vary from school to school; contact your school for more information.

EARNING CREDITS

The secondary schools of Henry County operate on year-long system or semester system utilizing a block schedule.

Credit for Pre-Approved Off-Campus Experiences – units may be awarded for pre-approved off-campus experiences that are part of an approved apprenticeship/internship program, an approved Dual Enrollment, joint enrollment program, online, extended learning opportunities, or other course options. Please see the school counselor for additional information.

EARNING CREDIT THROUGH OFF-CAMPUS EXPERIENCES

WORK-BASED LEARNING

The Work-Based Learning Program is an extension of classroom instruction that enable students to apply skills learned in academic and technical classes to the workplace. School-based activities and work-based activities are planned and supervised by the school facilitator and selected employers to ensure the continuity of academic and technical skill training. Application of these skills is enhanced through the implementation of specific training agreements based on industry-validated skill standards. The Work-Based Learning Program is open to students in grades 11-12 through an application process.

ALTERNATIVE SCHOOL

Henry County Schools has an alternative education program located at EXCEL Academy. Students who have disciplinary infractions that result in long- term suspension or expulsion may have the opportunity to apply to attend the alternative school. The smaller class sizes, smaller school environment, and self-paced learning allow students to achieve academic success in an alternative setting.

ONLINE LEARNING OPTIONS

Learning online is different than learning in a traditional classroom. Courses taught online are just as academically rigorous as traditional classroom instruction but offer added flexibility and opportunity. Students must be self- motivated and able to work independently. Henry County Schools currently offers full-time and part-time online learning options for students in grades 6-12.

A. **Supplemental Courses** (less than half the student's schedule): are taken at the school as part of the regular school day. Supplemental Courses are offered through Henry County Impact Academy and Georgia Virtual School. Online learning opportunities provide students with flexibility to address coursework needed to complete graduation requirements. See the directions below for signing up for these courses.

   a. Henry County Schools will not pay for courses being taken for credit recovery, enrichment, or acceleration outside of the regular six (6)/seven (7) period school day or four (4) period school day. There will be no charge to the student or parent if the online course is taken in lieu of any of the regular school day. If an online course is chosen outside the school day, the student is responsible for the cost of the course -$250 for a full credit.
   b. High school students who qualify for hospital/ homebound instructional support may participate in online coursework for high school credit as appropriate.
   c. Henry County approved online courses are listed on the Henry County Online Academy website: www.henry.k12.ga.us/ia
   d. Students shall take the appropriate Georgia End-of- Course Test (EOC) for online courses that require an EOC for course credit.

B. **Impact Academy (All or Most Courses Online):** Impact Academy is a unique program that allows full-time online students in grades 6-12 to maintain their school enrollment and participate in extracurricular and co-curricular activities while receiving their education online. Impact Academy, a program of Henry County Schools, allows students to work from home through online coursework while ensuring a blended learning opportunity with a highly qualified and effective teacher. Visit the Impact Academy website for more detail: www.henry.k12.ga.us/ia. See the directions below for signing up for these courses.

PROCEDURES FOR STUDENTS REQUESTING AN ONLINE LEARNING OPPORTUNITY

A. Students Requesting Supplemental Online Courses

   a. Students seeking to take less than half their course schedule online will first seek advisement from their assigned school counselor.
   b. After students are registered, an email will be sent to the student with their username and password.
   c. The student remains at the zoned school and works on coursework during the assigned class period.
   d. EOC tests will be taken at the zoned school.

B. Students Requesting Online Courses through Impact Academy (All or Most Courses Online)

   a. Students who want to participate in a Henry County Schools Impact Academy course must seek first advisement from their assigned guidance counselor. Parents must register through the Impact Academy website during the three enrollment windows (early August, Mid-October, and early January)
   b. Impact Academy has limited enrollment and parents will be notified via email when their child has been accepted into the program.
   c. All EOC test will be taken at IA.

C. Students Requesting Online Courses from Other Institutions

   a. Students who want to participate in an online course from another institution must seek advisement and written authorization from their assigned school counselor prior to enrolling.
   b. Students seeking permission to participate in an online course from another institution must complete the Request for Approval to Take an Online Course form. Requests must be made a minimum of 14 calendar days prior to the start of the course. Forms must be fully completed and submitted to the Henry County Schools Curriculum

and Instruction Department where the course will be reviewed to assess whether it meets certain criteria:
c. It is from an accredited institution approved by the Henry County Schools Board
Policy. d. It meets the Henry County Schools curriculum standards.
e. After consulting with a school counselor, agreeing on the best course of action, and receiving appropriate written authorization from both the counselor and the Learning and Leadership Services, a student may register for a course offered through an institution other than the Henry County Schools Impact Academy.
f. It is the student's responsibility to complete all coursework and final exams within a time frame that enables the online institution to provide a course transcript to their home school seven (7) calendar days prior to the close of the semester.
g. Students who take one of the 8 courses that require an EOC must arrange with the counselor to take this test before credit can be awarded.
h. Students who participate in online coursework without appropriate prior authorization will not receive course credit. i. Students will be notified of the course status before the start date of the course.

CREDITS EARNED THROUGH DISTANCE LEARNING DELIVERY METHODS

Approved Course Providers

Students who wish to earn additional credits outside of the regular school day are encouraged to enroll in courses provided by Henry County Schools Impact Academy: www.henry.k12.ga.us/ia Additional learning opportunities are available through Henry County Schools Summer School. The district provides assurance that these courses meet local and state curriculum standards and assessment requirements.

Other Course Providers

When a student's academic or instructional needs cannot be met by the school where the student is enrolled or courses from the Henry County Online Academy, Henry County Schools will accept unit credit from other appropriately accredited institutions. These courses must meet local and state standards. The student is responsible for providing the enrollment application to the out of district course provider. Additionally, the student is responsible for obtaining and providing a copy of the institution's course description and outline for delivery. If required, a school official will sign the enrollment application. Please note that the signature of the school official only indicates that the course applied for will be accepted for credit based on Georgia High School Graduation requirements. The signature does not indicate that the course covers the Georgia Performance Standards (GPS or CCGPS) requirements, or that the course will adequately prepare the student for the End of Course (EOC). Students and parents are responsible for determining if the course is accepted by the NCAA Clearinghouse.

A. A copy of the application or other documentation will be filed in the student's permanent record. B. Grades earned will be posted on the student's transcript as transferred credit.
C. The student is responsible for notifying the local school if a course is dropped.
D. The student must take the EOC if enrolled in an EOC course before credit can be awarded and entered on the transcript.

In order to receive a high school diploma and/or participate in graduation ceremonies, the local school must receive transcripts no later than seven (7) days before graduation. The scheduling and administration of the sending school's final exam/end of course exam is the responsibility of the parent and/or student. All final exams must be proctored by a certificated Henry County Schools employee. All costs for course instruction, books and other materials are the responsibility of the parent and/or student. All books and study materials will be sent to the parent/student home address. Exams must be sent to the student's school of attendance, so that appropriate proctoring can be arranged for assessment administration. Henry County Schools' employees are not responsible for providing information concerning the policies of out-of-system educational institutions.

HIGH SCHOOL CREDIT IN MIDDLE SCHOOL

Students in middle school have the opportunity to earn high school credit in a number of classes. These classes may include math, science, world languages, English, and arts. Each middle school will determine which classes will be offered. Courses offered in middle school will follow the same standards, curriculum, and procedures found in high schools.

A. 80% of the student's grade will be determined by course work, assessments, and projects assigned in the class.
B. 20% of the student's grade will be determined through a Georgia Milestone End of Course Assessment or a final exam. a. In courses that have an assigned Milestones assessment course credit will not be granted unless the assessment is completed.
C. All coursework completed in middle school for high school credit will appear on the high school transcript and will impact the overall high school GPA.
D. Grades earned for coursework completed in middle school for high school credit will not be calculated in the HOPE GPA.
E. Students have the option to re-take high school courses attempted in middle school under the following circumstance:
    a. Student withdraws from the course at some time during the school year (thus not earning credit).
F. Students taking GSE Algebra I and/or Physical Science as 8th graders are strongly advised of the following:
    a. Replace an elective course with a 5th year of math as a senior (this is particularly essential for college bound students).
    b. Not taking a math course senior year greatly jeopardizes college entrance and will negatively impact student success on college entrance exams and applications.
    c. Replace an elective course with a 5th year of Science as a senior. Not taking enough rigorous science classes greatly jeopardizes college entrance and success on tests like the ACT or SAT.

CREDIT EARNED THROUGH DEMONSTRATING COMPETENCY or "TESTING OUT"

Students were offered the opportunity to earn up to three units of high school credit by demonstrating mastery on state End-of-Course Tests, or "Testing Out" of courses not yet attempted. In order to qualify for this opportunity, students must:

A. Earn a grade of "B" or better in the prerequisite course
B. Obtain recommendations from the prerequisite teacher and current
counselor C. Have parent permission
D. Make the request prior to attempting a course
E. Only attempt once per Georgia Milestones End of Course Assessment: A fee of $50 per test will be assessed for each test attempted. If the student demonstrates competency by earning a grade of 90 or better on the EOC ("Exceeds" performance level), the fee will be refunded and the student shall be awarded high school credit for the course based on the test score. If the student does not reach the "Exceeds" performance level, the fee will be paid to the state's testing vendor, and the student must take the required course.

Students and parents should work closely with their school counselor to consider all of the ramifications of this option, including class rank, NCAA eligibility and other academic considerations related to testing out.

OPPORTUNITIES FOR EXCELLENCE AND EARNING COLLEGE CREDIT
ADVANCED PLACEMENT

The Advanced Placement Program (AP) is an educational opportunity based on the reality that many students can successfully complete college-level courses while they are still in high school. The AP Program is administered by the College Board under the advisement of national groups of educators. AP courses are challenging but rewarding. They are designed to maximize and enhance the standard curriculum to the extent individual student ability and interest permits. Students who take Advanced Placement courses are expected to take the AP exams that are administered at the end of the courses. In addition to high school credit, and in accordance with individual policies of colleges and universities, college credit or advanced placement standing may be awarded to students whose examination grades are considered acceptable.

Results of the PSAT and the data from AP Potential may be used to help students accept the challenge to take Advanced Placement courses. Grades for AP courses receive ten additional numerical points at each grading period. These additional points are added by Henry County Schools only. These points are NOT used in the calculation of the HOPE scholarship GPA and are not used by many colleges. Colleges, universities, and the Georgia Student Finance Commission (HOPE) add their own uniform point values for Advanced Placement courses. For more information on the Advanced Placement courses, see the course descriptions section. The cost of the AP Examinations can be obtained from the student's zoned school. Please contact your school for additional information and provisions.

Advanced Placement (AP) courses are taught on the college level, and students will be expected to complete an average of one or two hours a night of homework in addition to other classroom assignments before school, after school, and potentially during the summer preceding the course. Students taking AP courses will be expected to take the AP exam for each AP course.

HONORS CLASSES

Students may take Honors level classes in English, mathematics, science, social studies and world languages. Honors courses are rigorous and challenging courses that prepare students for advanced coursework, such as AP and DE classes. Grades for Honors courses receive five additional numerical points at each grading period. These additional points are added by Henry County Schools only. These points are NOT used in the calculation of the HOPE scholarship GPA and are not used by many colleges.

Honors and Advanced Placement (AP) classes cover topics in greater depth than other courses and require more critical reading and analytical writing. Students will be expected to complete daily homework assignments as well as outside projects, including research projects, such as Science Fair, Science Symposium, Science Olympiad, and/or National History Day projects. Placement in Honors and AP classes will be for the entire year or semester, depending on the course. Parents/guardians are encouraged to provide support for their students to take these classes, and both parents/guardians and students are invited to attend informational meetings about Honors and AP opportunities.

COLLEGE CREDIT NOW – SECONDARY TO POST SECONDARY TRANSITIONS

Legislation passed by the Georgia General Assembly enables eligible public school students who are at least sixteen years old to take approved courses at Georgia public colleges, universities, or technical institutions. The student must be accepted by an eligible institution and courses must be approved and verified by his/her high school counselor. Students who successfully complete classes through this plan may earn both postsecondary credit hours and high school unit credit. Participating students are responsible for securing information about high school activities such as ordering class rings, invitations, caps and gowns, yearbooks, and graduation ceremonies. Each student must provide the home high school with evidence of successful completion of postsecondary course work. Participation in postsecondary programs does not excuse the student from meeting mandated assessment requirements such as the Georgia Milestones End- of-Courseassessments.

Students participating in any Postsecondary program are eligible to participate in competitive and other extracurricular activities, following the provisions of State Board Rule 160-5-1-.18 as long as their schedule can accommodate practices, games, etc. without interfering with their completion of postsecondary course requirements. However, conflicts could occur which could prevent students from participating in such activities.

Before enrolling in any course, students interested in Dual Enrollment (DE) or joint enrollment must contact the school counseling office for current information on eligible institutions, contact information, approved courses, and transferable credit. For more information, visit:

DUAL ENROLLMENT PROGRAMS

***Please visit http://schoolwires.henry.k12.ga.us/domain/8984 for the most complete and up to date information on all Post- Secondary and Dual Enrollment Programs.**

Dual Enrollment Programs provide opportunities for Georgia high school students to take college-level courses and earn concurrent credit toward a high school diploma and a college degree while still in high school. The student must meet all requirements for the DE program, be accepted by an eligible institution, and courses must be approved by his/her high school counselor. Students may enrolled full-time or part-time in credit-bearing college-level courses approved by the State Board of Education.

Participation in post-secondary programs does not excuse the student from meeting mandated assessment requirements. Each student must provide his/her home high school with evidence of successful completion of post-secondary course work. Participating students are responsible for securing information about high school activities such as ordering class rings, invitations, caps and gowns, yearbooks, and graduation ceremonies. Students participating in any post-secondary program are eligible to participate in competitive and other extracurricular activities, following the provisions of State Board Rule 160-5-1-.18, as long as their schedule can accommodate practices, games, etc. without interfering with their completion of post-secondary course requirements. However, conflicts could occur which could prevent students from participating.

Prior to enrollment, each student participating in any post-secondary program and the student's parent(s)/guardian(s) must sign a document at his/her high school stating they have a clear understanding of the student's responsibilities and a participation agreement. By signing the document, the student and parent(s)/guardian(s) acknowledge the possible consequences to the student's plans for completing requirements for a high school diploma, to the student's rank in class, and to the student's participation in extracurricular activities. If the student fails to enroll in the postsecondary institution as planned, withdraws from the postsecondary institution, the postsecondary institution removes the student, or the student drops a course at the postsecondary institution, then the student will not be allowed to replace or rejoin the course or courses at the high school until the beginning of the next semester.

Depending on the nature of the postsecondary program, there could also be financial implications as well as an inability to earn sufficient credits for graduation.

Before enrolling in any course, students interested in DE or joint enrollment programs must contact the school counseling office for current information on eligible institutions, contact information, approved courses, and transferable credit. You may also visit the Georgia Student Finance Commission website at www.GAfutures.org or the Henry County DE Handbook for more information.

DE, Online/Virtual, or other non-traditional programs of study credit earned for valedictorian and salutatorian will be included in the calculation using first semester grades only. Second semester or mid-term grades will not be included. All grades received from DE institutions must be placed on an official transcript from the institution to be awarded credit. The official awarding of credits for any postsecondary course must meet the requirements of the Henry County Board of Education Policy JBCD.

Academic grades reported from the college or university at the completion of each course is either alpha numeric grades or numeric grades and they are recorded as they appear on the official transcript. When the college/university provides numeric grades they may be used to report student progress. Grades reported as alpha numeric only (i.e. A, B, C, etc.) are converted to the numeric grade using the conversion table below:

DE/Dual Enrollment Grade Conversion		
Letter Grade	**Numerical Equivalent**	**Honors Points**
A+	98	108
A	95	105
A-	93	103
B+	88	98
B	85	95
B-	83	93
C+	78	88
C	75	85
C-	74	84
D+	73	83
D	71	81
D-	70	80
F/W	55	65

JOINT ENROLLMENT AND EARLY COLLEGE

The University System of Georgia recognizes the need to provide academically talented high school students with opportunities for acceleration of their formal academic programs. This recognition has led to the development of two organized programs: (1) a joint enrollment program and (2) an early college program.

The Joint Enrollment program provides students an opportunity to be concurrently enrolled in both high school and postsecondary school. Students must be accepted at the postsecondary institution in order to attend. Courses taken and credits received at the postsecondary school will not transfer to the high school and will not satisfy high school graduation requirements. These courses will count against the HOPE Scholarship and HOPE Grant hours cap. All associated tuition and fees are the responsibility of the student.

The Early College program allows students to enroll as full-time college students following the completion of their junior year of high school. Approved courses may earn both high school and college credit. This program is funded through DE, HOPE Grant, or FTE.

GOVERNOR'S HONORS PROGRAM

The Governor's Honors Program (GHP) is a summer instructional program designed to provide intellectually gifted and artistically talented high school students challenging and enriching educational opportunities not usually available during

the regular school year. GHP participants acquire the skills, knowledge, and attitudes to grow as independent, life-long learners. Sophomores and juniors in Georgia's public and private schools may be nominated by their teachers for the Governor's Honors Program.

Students are nominated in a specific instructional area based on their abilities, aptitudes and interests. Major instructional areas include communicative arts (English); world languages; mathematics; science; social studies; visual art; theater (performance and design); vocal and instrumental music; dance; mechanical design, mechanical and electrical engineering, computer science, and agriscience. While at the summer instructional program, students will chose an additional minor focus.

HOPE SCHOLARSHIP/GRANT PROGRAM

The Georgia Student Finance Commission, a state agency, calculates HOPE averages based on transcript information provided by Henry County Schools. Georgia's HOPE Scholarship is available to Georgia residents who have demonstrated academic achievement. The scholarship provides money to assist students with their educational costs of attending college in Georgia. The HOPE Scholarship includes tuition at approved Georgia public colleges and universities. To qualify, students must have graduated from a Georgia high school with a 3.0 cumulative grade point average on a 4.0 scale. Students must maintain a 3.0 GPA to keep the HOPE Scholarship while in in college. The GPA utilized for HOPE/Zell Miller can only be located on GAfutures and not the individual transcripts processed at the student's zoned school.

The Zell Miller Scholarship program is for students who have demonstrated academic achievement and are seeking a college degree. Generally, to become eligible, a student must graduate from an eligible high school with a 3.70 GPA combined with a minimum score of 1200 on the math and reading portions of the SAT test or a composite score of 26 on the ACT test in a single national test administration. Also, a student may become eligible for the Zell Miller Scholarship by being the designated valedictorian or salutatorian. Students must also meet the rigor requirements to become eligible for the Zell Miller Scholarship.

Beginning with students graduating from high school on or after May 1, 2017, in order to be eligible to receive a HOPE scholarship, a **student must earn four (4) full credits** in rigor courses from the following categories, prior to graduating from high school:

A. Advanced math, such as GSE Algebra II, GSE PreCalculus, Statistical Reasoning, or an equivalent or higher course;
B. Advanced science, such as Chemistry, Physics, Biology II, or an equivalent or higher course;
C. Advanced Placement courses in core subjects (English, math, science, social studies, and foreign language);
D. International Baccalaureate courses in core subjects (English, math, science, social studies and foreign language);
E. Courses taken at a unit of the University System of Georgia//DE in core subjects (English, math, science, social studies and foreign language) where such courses are not remedial and developmental courses; or
F. Advanced foreign language courses.

Please review the following site for a list of rigorous courses: https://www.gafutures.org.

The following is a list of requirements for eligibility to receive HOPE (*This information is subject to change based on action by the Georgia legislature*):

a. You must be a U.S. citizen or permanent resident alien.
b. You must be a legal Georgia resident, which in most cases means that you must have lived in Georgia for at least 12 consecutive months at the time you graduate from high school. Dependent children of military personnel stationed in Georgia are eligible if they graduate from a Georgia high school.
c. You must attend one of the 107 approved colleges, universities, or technical institutes in Georgia to be eligible for HOPE. **Out-of-state schools are not eligible.**
d. If you decide to attend a public postsecondary school in a degree program, you must meet GPA requirements to be eligible.

Georgia's HOPE Grant (a separate program from the HOPE Scholarship) is available to residents of Georgia who are attending eligible colleges or universities in Georgia to earn a certificate or diploma regardless of high school graduation date or grade point average. However, continuing education programs are not eligible. Beginning in the Fall 2011, the HOPE Grant Award Amount will cover a portion of a student's tuition.

This section reflects HOPE scholarship information from gafutures.org. During a student's high school career, students must make sure to stay informed about any changes to this statewide program. Additional information is available from your counseling office and through: Georgia Student Finance Commission 2082 East Exchange Place, Tucker, Georgia 30084, (770) 724-9003 or 1-800-505-4732 Web address: https://www.gafutures.org or https://gsfc.georgia.gov.

DEVELOPING YOUR EDUCATIONAL PLAN

Students should develop a personal education plan to identify the required and elective courses that will be taken while in high school. Having a planned program of study and reviewing the plan on an annual basis will help students be certain that all graduation requirements are met and that their high school program of study supports their post-high school education and career goals. Students and parents/guardians are encouraged to schedule an appointment with the student's school counselor to develop or review the personal education plan each year. As students' interests and plans change during the high school years, the educational plan may require some adjustment. A wide variety of materials are available to assist students in the career decision-making process. Career interest inventories such as the ASVAB are administered to assist students in examining the entire range of occupational possibilities. In addition, each middle school and high school provides career information planning software for student and parent/guardian use. Before developing the educational plan, there are some important points students must consider:

A. What careers are related to your interests and abilities? What are your personal and intellectual strengths and your areas of needed growth?
B. What things do you value most in life: Challenges? Creativity? Helping others? Income? Independence? Outdoor work? Prestige? Security? Variety? Working in a group? Physical activity?
C. What kind of life do you want to live? How do you plan to support yourself? What is your job or career goal for the next five to ten years? What are your life-long goals?
D. What kind of career training are you planning for after high school; college, technical school, specialty school, military on- the-job training?

For students planning to attend colleges or universities, certain courses are specified and a world language is often required. Many colleges require certain academic credits, including two years of the same world language. Students have several units from which to choose electives in their areas of interest. Students should discuss ideas and concerns with parents/guardians, teachers, friends, counselors, and anyone else who is involved in supporting the student's success.

GAfutures

GAfutures provides current and accurate educational information to schools and agencies throughout Georgia in order to help young people and adults make informed post-secondary choices. Features include individual portfolio building, test preparation, general career information, college planning, financial aid and scholarship information, military options, and personal skill and interest assessments. Each student establishes a GAfutures account in high school or upon enrollment and should maintain the same account through graduation. If a student needs a reminder about their username and/or password, they should contact their school counselor. For more information, visit: **www.gafutures.org.**

POSTSECONDARY EDUCATION

Employees are often paid more and have opportunities for promotion based upon their training and education. There is also a great deal of personal and intellectual satisfaction for achieving a college education or other post-secondary training. Upon your graduation from high school, the largest share of job openings, 48 percent, will require a high school diploma and/or up to four years of post-high school education, career/technology training, or specific work experience. Another 17 percent require a college degree or more. There are many options for students to continue their education after high school to be better prepared to enter the work force. In general, postsecondary schools can be divided into two major categories: career/technology training schools and colleges/ universities.

Industry Specific Training Programs Industry Specific Training Programs are privately owned and operated schools that offer a wide variety of training options in areas such as cosmetology, mechanical repair, court reporting, paralegal services, travel services, secretarial, and medical assistance. Typical vocational training programs are short, lasting from five to twelve months. However, some training programs (such as court reporting) can take up to two or three years to complete. The main appeal of these schools is their concentrated curriculum, job-training focus, and short course length.

Technical Colleges

Technical colleges are most often state/public supported and offer several different types of programs including applied associate degrees, technical diplomas, apprenticeships and certificates. Associate degree programs are typically designed to prepare students for a technical occupation and include occupational, general education, and elective courses. Technical diploma programs are often offered to meet the needs of businesses and industry to assist employees in meeting certification requirements for specific jobs. Apprenticeships are offered for those people interested in working in an industrial or service trade. The applicant enters into an agreement with an employer in which the employer assumes the responsibility of teaching the trade to the apprentice. Completion of certificate programs indicates that a particular person has completed coursework in a focused area of study.

Colleges and Universities

Two-year colleges generally offer programs of study with an associate's degree conferred upon completion. The courses are designed to transfer to four-year colleges, should community college students decide to pursue higher education. Some two-year colleges offer specialized job training in certain areas. These studies are designed to prepare students for the work force as soon as the program of study is complete.

Four-year colleges and universities offer bachelor's degrees and a much wider variety of studies and curriculum. Many also offer graduate studies (studies after a bachelor's degree is completed) with opportunities to earn a master's degree, doctorate, or professional degree (such as a medical doctor or lawyer). The curriculum is much broader than a two-year school and is designed to accommodate a variety of interests.

Public colleges and universities are subsidized by the states in which they are located and are generally less expensive than private colleges. However, some have significant differences between in-state and out-of-state tuition fees. Private colleges, on the other hand, are funded through endowments, tuition, and donations. They usually cost much more, but do not rule them out! Private colleges can often offer enough financial aid and scholarships to make attendance at a private college financially feasible for a student's budget.

For more information, visit: www.fastweb.com; www.scholarships.com; http://www.ncaa.org/student-athletes/future/eligibility-center

English/Language Arts Course Sequence

9th Grade	10th Grade	11th Grade	12th Grade
9th Grade Literature or Honors 9th Grade Literature	World Literature or Honors World Literature	American Literature or AP English Lang or Approved Dual Enrollment American Literature	British Literature or AP Literature/ Composition or Approved Dual Enrollment Course

4 Units of English/Language Arts required including:
*1 Unit of 9th Grade Literature Composition
*1 Unit of American Literature and Composition
*2 Additional Units

Students have the option to participate in DE based on the state eligibility course list. More information can be found at:
http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Transition-Career-Partnerships.aspx

Mathematics Course Sequence
2018 -2019 School Year for Ninth Graders

	Course 1	Course 2	Course 3	Course 4
Standard Path	GSE Algebra I	GSE Geometry	GSE Algebra II	Pre-Calculus or other fourth math course option**
Accelerated Path Option 1	GSE Geometry	GSE Algebra II	Pre-Calculus or other fourth math course option**	Fourth math course option** or DE
Accelerated Path Option 2	Advanced Algebra	Pre-Calculus or other fourth math course option**	Fourth math course option** or DE	Fourth math course option** or DE
Support Path	Foundations of Algebra	GSE Algebra I with GSE Algebra I Support	GSE Geometry with GSE Geometry Support	GSE Algebra II with GSE Algebra II Support

- Four units of Mathematics are required for all students for graduation. See counselor for details.
- Students must pass the designated prerequisite course before he/she can enroll in the next higher level course.
- Students must meet certain eligibility requirements in order to follow the accelerated paths or support path.
- Support courses are math electives designed for students who need additional support in GSE Algebra I, GSE Geometry or GSE Algebra II, regardless of path.
- Students can move between the standard and accelerated path at designated points (i.e. the semester) at the recommendation of the classroom teacher.
- AP Statistics can be taken simultaneously with Pre-Calculus or any other fourth math course option. The pre-requisite is Advanced Algebra/GSE Algebra II.
- Dual Enrollment (DE-Senate Bill 132/Senate Bill 2) is a program where students can earn college credit while working on their high school diploma. DE students can participate for 9^{th} – 12^{th} grade years. Students have the option to participate in DE based on the state eligibility course list. More information can be found at: http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Transition-Career-Partnerships.aspx. See counselor for details.
- Students are required to participate in state-mandated End of Course assessments in Coordinate Algebra/GSE Algebra I and Analytic Geometry/GSE Geometry except those who are enrolled in DE. DE students must complete Coordinate Algebra/GSE Algebra I End of Course Assessment. End of Course Assessments are twenty percent of the student's grade.
- HOPE Rigor Course List: https://www.gafutures.org/media/187520/rigor-course-list-september-2017.pdf . See counselor for more details regarding HOPE.

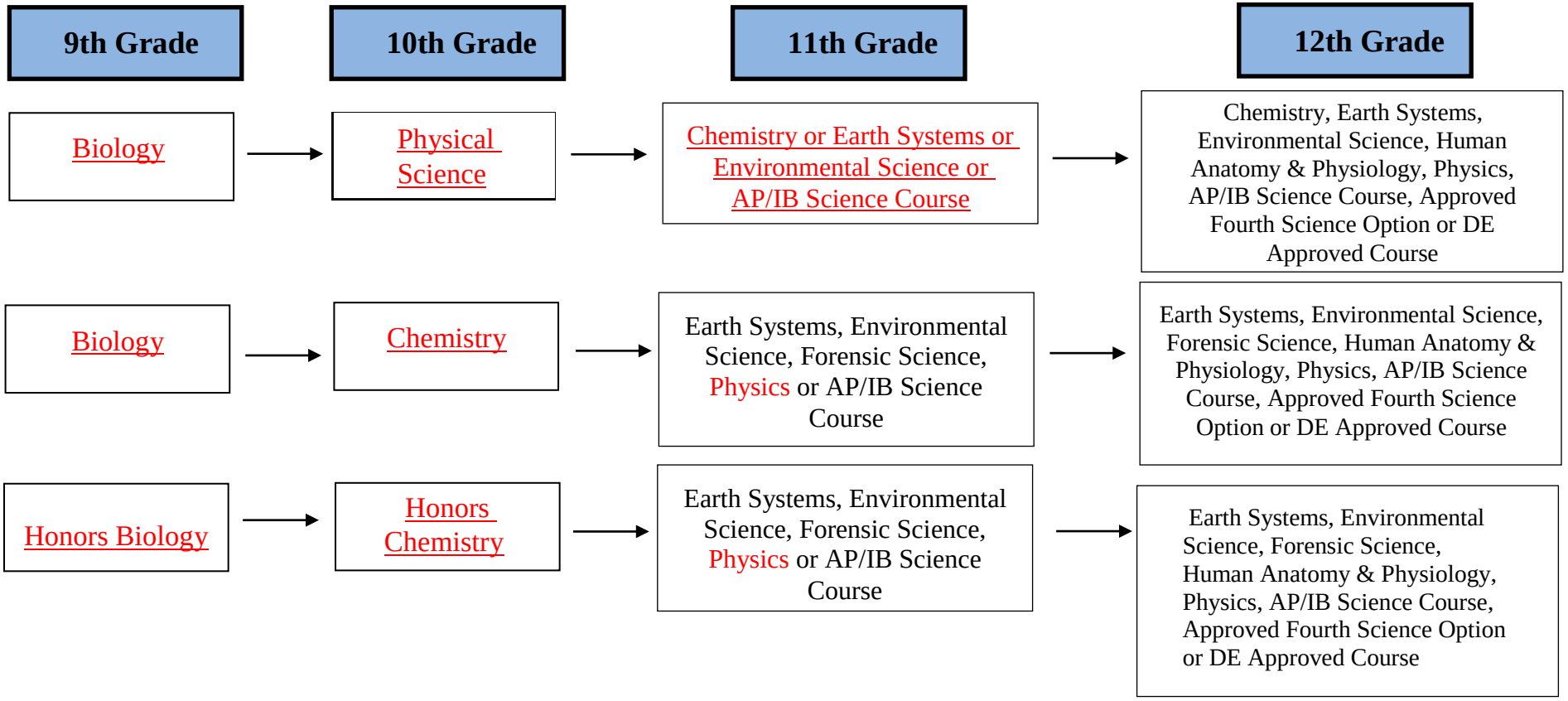
Fourth Mathematics Course Options in Henry County Schools**

Foundations of Algebra	Pre-Calculus	Advanced Mathematical Decision Making
Statistical Reasoning	Mathematics of Finance	AP Statistics
Calculus	AP Calculus AB	AP Calculus BC
Advanced Finite Mathematics	College Readiness Mathematics	Technical College Readiness Mathematics*

** Technical College Readiness Mathematics entrance requirements are located in the course descriptions.*

Course offerings vary per school. Check with colleges for varying admissions criteria. Some programs do not accept some of the courses as viable fourth mathematics course options. *Disclaimer: This is a suggested framework for courses; however, parents should always consult with their child's counselor for the optimal path for graduation*.

Science Course Sequence



All students are required to successfully complete four science units:

- Required - Biology;
- Required - Physical Science or Physics;
- Required – Chemistry or Earth Systems or Environmental Science or AP/IB Science course *(with respect to prerequisites)*
- Approved Fourth Science Option (with respect to prerequisites) or Dual Enrollment (DE) Science Course
  http://www.gadoe.org/Curriculum-Instruction-and-Assessment/Curriculum-and-Instruction/Pages/Science.aspx

There is not a state mandated sequence for earning science credits; however, course prerequisites should always be taken into consideration.

Social Studies Course Sequence

9th Grade	10th Grade	11th Grade	12th Grade
World Geography	**World History**	**United States History**	**United States Government and Economics**
Honors World Geography or AP Human Geography/ or Honors World History or AP World History	Honors World History or AP World History or Honors United States History or AP United States History or AP Government and Politics: US and Comparative or DE World History or DE US History	Honors United States History or AP United States History or AP Micro and Macroeconomics or AP Government and Politics: US and Comparative or DE US History or DE Government	AP Micro and Macroeconomics or AP Gov and Politics: US and Comparative or DE Econ or DE Micro or Macro

Additional electives in Social Studies may be taken as space is available in the student's schedule and are offered by the individual school. These electives are:

- AP Psychology
- AP European History
- Psychology
- Sociology
- African American Studies

Career, Technical, and Agricultural Education
Career Pathways and Course Offerings

Agriculture Cluster

Agriscience

Yr. 1 – Basic Agriculture Science
Yr. 2/3 – Plant Science & Biotech*+
Yr. 2/3 – Animal Science & Biotech+
Yr. 4 - Biotechnology

Veterinary Science – AAS only
Yr. 1 – Basic Agriculture Science
Yr. 2 – Pre-Veterinary Science
Yr. 3 - Veterinary Science

Landscape Management Systems – AAS Only
Yr. 1-Basic Agriculture Science
Yr. 2-General Horticulture and Plant Science
Yr. 3-Turf Production and Management
Yr. 4-Nursery Management and Landscape Design

Architecture and Construction Cluster

Architectural Drawing and Design
Yr. 1 – Intro to Drawing & Design
Yr. 2 – Arch. Drawing and Design I
Yr. 3 – Arch. Drawing and Design II

Construction – AAS only
Yr. 1 – Industry Fund. & Occupational Safety
Yr. 2 – Intro to Construction
Yr. 3 – Carpentry, Masonry, Electrical or Plumbing (student will select specialty)

Welding – AAS only
Yr. 1 – Industry Fund. & Occupational Safety
Yr. 2 – Intro to Metals
Yr. 3 – Welding I

Arts, A/V Tech and Communications Cluster

Audio/Video Technology & Film I
Yr. 1 – A/V Technology and Film 1
Yr. 2 – A/V Technology and Film II
Yr. 3 – A/V Technology and Film III

Audio/Video Technology & Film II
Yr. 1 – A/V Technology and Film I
Yr. 2 – A/V Technology and Film II
Yr. 3 – Broadcast Video Production Applications

Graphic Design– AAS only
Yr. 1 – Introduction to Graphics & Design
Yr. 2 – Graphics Design & Production
Yr. 3 – Adv. Graphic Design or Adv. Graphic Output Processes

Graphic Communication – AAS only
Yr. 1 – Introduction to Graphics & Design

Education & Training Cluster

Early Childhood Care & Education I
Yr. 1 – Early Childhood Education I
Yr. 2 – Early Childhood Education II
Yr. 3 – Early Childhood Education III

Early Childhood Care & Education II- AAS only
Yr. 1 – Early Childhood Education I
Yr. 2 – Early Childhood Education II
Yr. 3 – Early Childhood Practicum

Teaching as a Profession – AAS only
Yr. 1 - Examining the Teaching Profession
Yr. 2 - Contemporary Issues in Education
Yr. 3 - Teaching as a Profession Practicum

Energy Cluster

Energy & Power: Generation, Transmission, and Distribution – AAS only
Yr. 1 – Found. of Energy Technologies
Yr. 2 – Energy & Power: Generation, Transmission, and Distribution
Yr. 3 – Energy Systems Applications

Finance Cluster

Advanced Accounting – AAS only
Yr. 1 – Intro to Business & Technology
Yr. 2 – Financial Literacy
Yr. 3 – Accounting and Banking
Yr. 4 – Accounting and Investing

Basic Accounting
Yr. 1 – Intro to Business & Technology
Yr. 2 – Financial Literacy
Yr. 3 – Principles of Accounting I

Banking, Investing and Insurance
Yr. 1 – Intro to Business & Technology
Yr. 2 – Financial Literacy
Yr. 3 – Banking, Investing and Insurance

Business Mgmt. and Admin. Cluster

Small Business Development

Yr. 1 – Intro to Business & Technology
Yr. 2 – Legal Environ. of Business
Yr. 3 – Entrepreneurship

Government and Public Admin Cluster

Air Force JROTC – DH and OHS
Yr. 1 – JROTC Aerospace Science I
Yr. 2 – JROTC Aerospace Science II
Yr. 3 – JROTC Aerospace Science III
Yr. 4 – JROTC Aerospace Science IV

Navy JROTC – ELH, MH, LH, SH, UGH Yr. 1 – JROTC Navy I
Yr. 2 – JROTC Navy II
Yr. 3 – JROTC Navy III
Yr. 4 – JROTC Navy IV

Health Science Cluster

Allied Health and Medicine

Yr. 1 - Intro to Healthcare
Yr. 2 – Essentials of Healthcare+
Yr. 3 – Allied Health and Medicine

Emergency Medical Responder – AAS only
Yr. 1 - Intro to Healthcare
Yr. 2 – Essentials of Healthcare +
Yr. 3 - Emergency Medical Responder

Exercise Physiology-AAS only
Yr. 1-Intro to Healthcare
Yr. 2-Essentials to Healthcare +
Yr. 3-Fundamentals of Exercise Physiology

Health Information Technology – AAS only
Yr. 1 – Intro to Healthcare
Yr. 2 – Essentials of Health IT
Yr. 3 – Applications of Health IT

Pharmacy – AAS only
Yr. 1 – Intro to Healthcare
Yr. 2 – Essentials of Healthcare +
Yr. 3 – Pharmacy Operations & Fundamentals

Phlebotomy – AAS only
Yr. 1 – Intro toHealthcare
Yr. 2 – Essentials of Healthcare+
Yr. 3 – Diagnostics Phlebotomy

Sports Medicine – AAS only
Yr. 1 – Intro to Healthcare
Yr. 2 – Essentials of Healthcare+
Yr. 3 – Principles of Sports Medicine+

Surgical Technician I – AAS only
Yr. 1 – Intro to Healthcare
Yr. 2 – Essentials of Healthcare+
Yr. 3 – Surgical Tech I

Hospitality & Tourism Cluster

Culinary Arts – AAS only
Yr. 1 – Intro to Culinary Arts
Yr. 2 – Culinary Arts I
Yr. 3 – Culinary Arts II

Human Services Cluster

Nutrition and Food Science

Yr. 1 - Food, Nutrition, and Wellness
Yr. 2 – Food for Life+
Yr. 3 - Food Science*+

Personal Care Services - Cosmetology – AAS only
Yr. 1 – Intro to Personal Care Services
Yr. 2 - Cosmetology II
Yr. 3 - Cosmetology III

Information Technology Cluster *IT Support and Services* – AAS only

Yr. 1 – Intro to Information Technology
Yr. 2 – IT Essentials
Yr. 3 – IT Support

Networking – AAS only
Yr. 1 – Intro to Information Technology
Yr. 2 – Networking Fundamentals
Yr. 3 – Networking Systems & Support

Programming
Yr. 1 – Intro to Digital Technology
Yr. 2 – Computer Science Principles+
Yr. 3 – Programming, Games, Apps & Society+

Advanced Programming
Yr. 1 – Intro to Digital Technology
Yr. 2 – Computer Science Principles+
Yr. 3 – AP Computer Science+

Cybersecurity – AAS only
Yr. 1 – Intro to Information Technology
Yr. 2 – Intro to Cybersecurity
Yr. 3 – Advanced Cybersecurity

Law, Public Safety, Corrections & Security Cluster

Law Enforcement Services

Yr. 1 - Intro to Law, Public Safety, Corrections & Security
Yr. 2 – Criminal Justice Essentials
Yr. 3 - Forensic Science and Criminal Investigations

Firefighting-AAS only

Yr. 1-Introduction to Fire & Emergency Services
Yr. 2-Essentials of Fire & Emergency Services
Yr. 3-Applications of Firefighting
Yr. 4-Emergency Medical Technician-Basic Level

Legal Services-Application of Law-AAS only

Yr. 1-Intro to Law, Public Safety, Corrections & Security
Yr. 2-Essentials of Legal Services
Yr. 3-Applications of Law

Manufacturing Cluster

Mechatronics – AAS only
Yr. 1 – Intro to Mechatronics
Yr. 2 – AC Theory, Electric Motors, and Hydraulic Systems
Yr. 3 – Semiconductors, Mechanical Systems, and Pump and Piping Systems

Marketing Cluster

Marketing Communications & Promotions – AAS only
Yr. 1 – Marketing Principles
Yr. 2 – Promotion and Professional Sales
Yr. 3 – Marketing Communications Essentials

Marketing and Management

Yr. 1 – Marketing Principles
Yr. 2 – Marketing & Entrepreneurship
Yr. 3 – Marketing & Management

Game Design-AAS Only

Yr. 1-Intro to Digital Technology
Yr. 2-Computer Science Principles+
Yr. 3-Game Design: Animation & Simulation

Science, Technology, Engineering & Mathematics Cluster

Engineering and Technology

Yr. 1 - Found. of Engineering & Technology
Yr. 2 - Engineering Concepts
Yr. 3 - Engineering Applications
Yr. 4 - Research, Design, and Project Mgmt.

Electronics – AAS only
Yr. 1 - Foundations of Electronics
Yr. 2 - Advanced AC and DC Circuits+
Yr. 3 - Digital Electronics*

Engineering Graphic and Design – AAS only
Yr. 1 – Intro to Mechanical Drafting and Design
Yr. 2 – Survey of Engineering Graphics
Yr. 3 – 3D Modeling and Analysis

Transportation, Distribution & Logistics Cluster

Automobiles Maintenance & Light Repair – AAS only
Yr. 1 – Basic Maintenance and Light Repair
Yr. 2 – Maintenance and Light Repair II
Yr. 3 – Maintenance and Light Repair III

Automotive Service Technology – AAS only
Yr. 1 – Automobile Service Technology IV
Yr. 2 – Automobile Service Technology V
Yr. 3 – Automobile Service Technology VI

Diesel Maintenance – AAS only
Yr. 1 – Intro to Diesel Mechanics
Yr. 2 – Diesel I
Yr. 3 – Diesel II

Supply Chain Management – AAS only
Yr. 1 – Logistics Fundamentals
Yr. 2 – Logistics Operations
Yr. 3 – Materials Management

~Work-Based Learning opportunities are available in all pathways~

AAS only – this pathway is available exclusively at the Academy for Advanced Studies

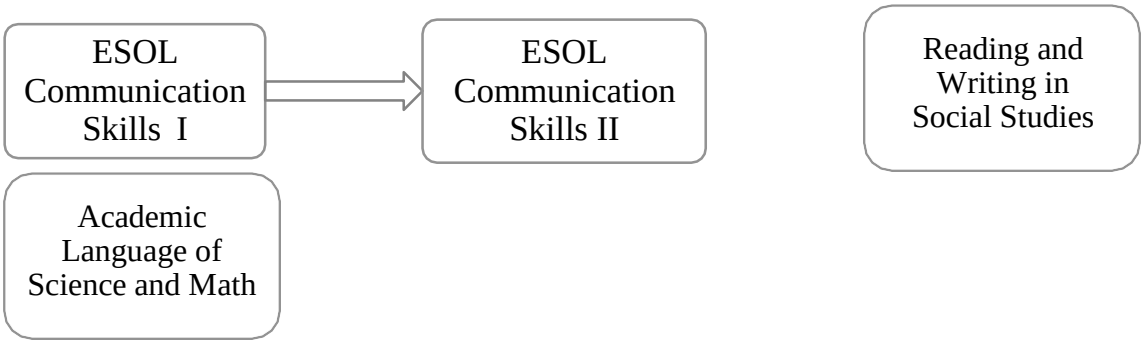
*Designates CTAE courses that will count toward satisfying the fourth science requirement and are recognized by the Board of Regents as a fourth science

+ Designates CTAE courses that will count toward satisfying the fourth science requirement but are not recognized as a fourth science by the Board of Regents

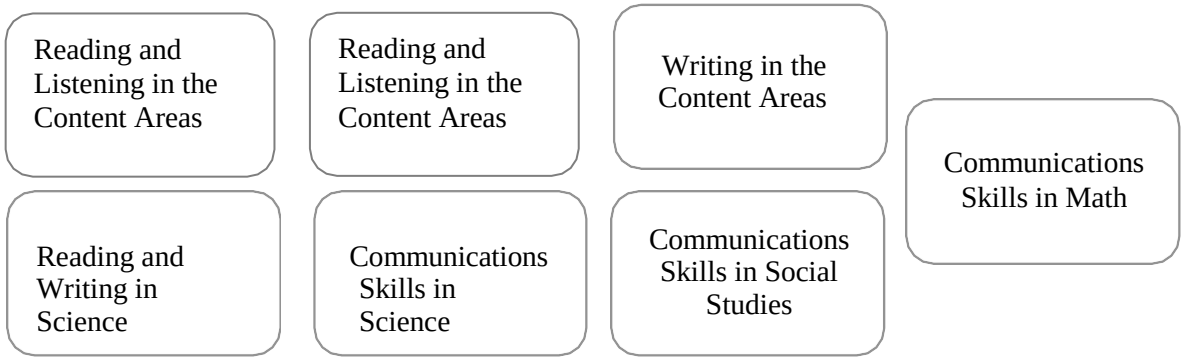
http://www.gadoe.org/Curriculum-Instruction-and-Assessment/Curriculum-and-Instruction/Documents/Science/Science-Fourth-Science-Options.pdf

English to Speakers of Other Languages (ESOL)

ESOL Language Acquisition Courses for Newcomers (*No prescribed sequence for these courses**)**



ESOL Language Acquisition Courses (*No prescribed sequence for these courses**)**



***Please consult ESOL teacher before scheduling ESOL courses.**

[1] The ESOL I-IV courses will be utilized as elective support courses. English ESOL courses CANNOT be blended with other ESOL English/ or ESOL elective courses. Students who need course credit for English credit should select an ELA core course for credit and receive language support in ESOL elective course. District approval is required for all English ESOL courses to ensure that the requisite number of students will be participating in an English ESOL segment.

[2] ESOL I-IV courses **may not be substituted** as core credit for the American Literature and Composition, which is a required course. Students entering ninth grade for the first time in 2008-09 and thereafter **may not substitute** one of the ESOL courses for core credit for Ninth Grade Literature and Composition, which is a required course for these students. District approval is required for all English ESOL courses.

Fine Arts Course Sequence - ART

9th Grade	10th Grade	11th Grade	12th Grade
Comp. Art I	Comp. Art I* Comp. Art II Ceramics/ Pottery I Drawing/ Painting I Printmaking I Sculpture I Photography I	Comp. Art II* Drawing/ Painting II Ceramics/ Pottery II Printmaking II Sculpture II Photography II AP Drawing AP: 2D	AP Drawing* AP: 2D* AP: 3D AP: Art History

** May be taken if not taken in previous year*

Fine Arts Course Sequence - BAND

9th Grade	10th Grade	11th Grade	12th Grade
Con. Band I Gen. Band I+ Percussion I+	Con. Band II Jazz I Instrumental I Gen. Band II+ Percussion II+	Sym. Band Jazz II Instrumental II Gen. Band III+ Percussion III+	Wind Symphony Adv. Jazz Adv. Instr. Gen. Band IV+ Percussion IV+ AP Theory

+ Not a pathway course

Fine Arts Course Sequence - CHORUS

9th Grade	10th Grade	11th Grade	12th Grade
Beg. Chorus I	Beg. Chorus II Inter. Chorus I	Inter. Chorus I* Inter. Chorus II Adv. Chorus I	Inter. Chorus II* Adv. Chorus I* Adv. Chorus II Select Ensemble AP Theory

** May be taken if not taken in previous year*

+++ALL sequences include Women's and Men's Chorus sequences+++

Fine Arts Course Sequence - ORCHESTRA

9th Grade	10th Grade	11th Grade	12th Grade
Orchestra I	Orchestra II	Adv. Orchestra	Select Orchestra AP Theory

Fine Arts Course Sequences
Piano, Guitar, & Dance

9th Grade	10th Grade	11th Grade	12th Grade
Keyboarding Technique I Guitar Technique I Dance I	Keyboarding Technique I Guitar Technique II Dance II	Keyboarding Technique I Guitar Technique III Dance III	Advanced Piano Advanced Guitar AP Theory** Dance IV

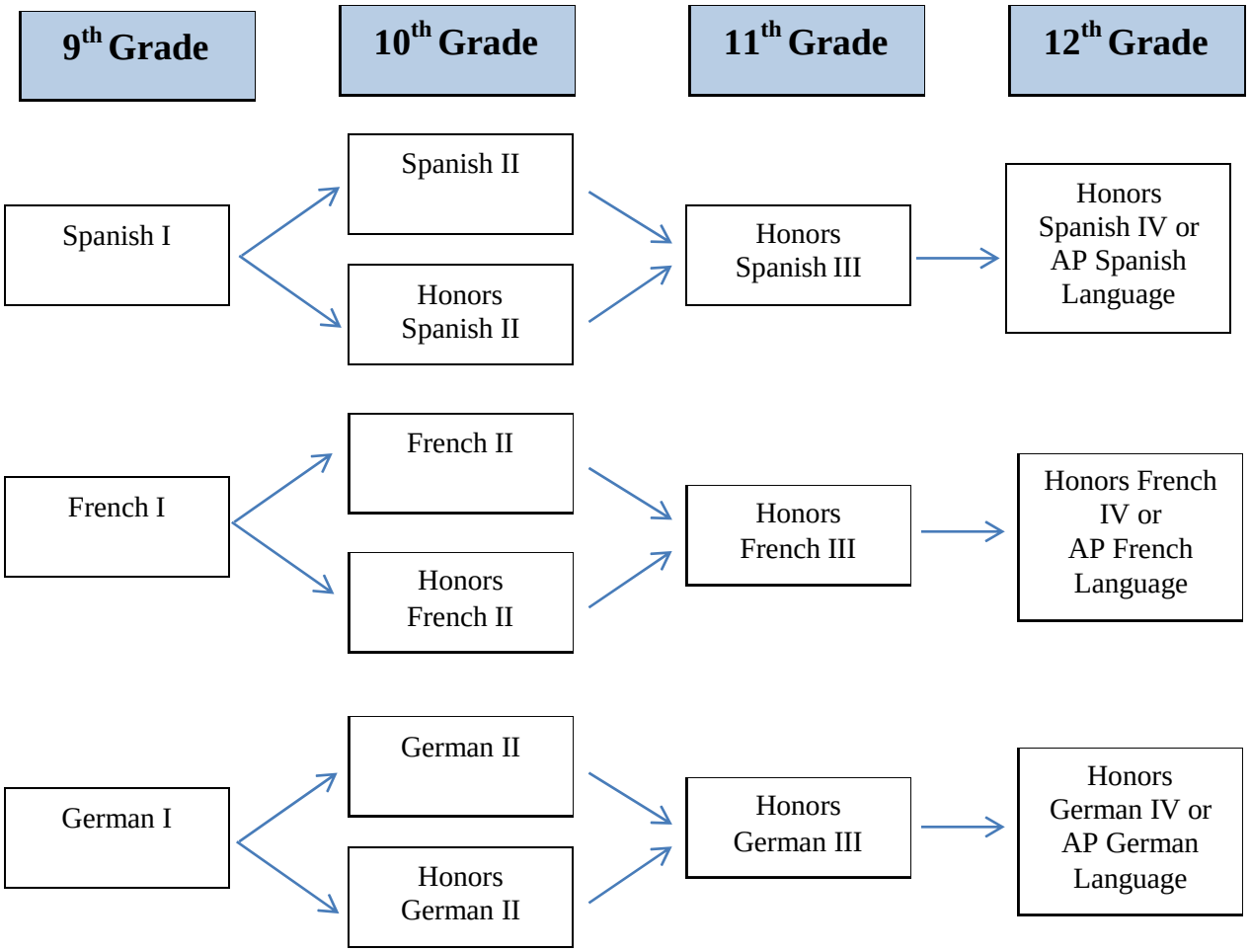
***Piano & guitar pathway option only*

Fine Arts Course Sequence - THEATRE

9th Grade	10th Grade	11th Grade	12th Grade
Theatre Fund. I	Theatre Fund. II Acting I	Acting I* Acting II Adv. Drama I Musical Theatre I Technical Theatre I	Acting II* Adv. Drama II Musical Theatre II Technical Theatre II

** May be taken if not taken in previous year*

World Language Course Sequence



Students who enter high school with one credit in a World Language may begin the high school sequence at Level II. It is recommended that they take Honors Level II.

CORE COURSE LIST and DESCRIPTIONS

LANGUAGE ARTS

Course Title	Ninth-Grade Literature and Composition
Course Number	3553 (Also Offered Online)
Course Description	Students are expected to increase their analytical skills, reading increasingly complex texts across all genres and writing cogent, well-supported analysis and argument essays using evidence from those texts. Students at this level can trace the development of a theme or argument through a text and provide an objective summary of the text without editorial bias. Through reading and writing and the use of appropriate reference materials, the student acquires academic and other contextual vocabulary, showing independence in acquisition and usage. In the early high school years, particular focus is brought to world culture and how points of view can vary with cultural experience, as well as how interpretations can vary between artistic mediums. In Grade nine students will create more complex arguments, addressing counter-arguments and using sophisticated structures and formal manuscript styles. Their expository essays will convey increasingly complex ideas, excluding extraneous details and using graphic and digital elements to convey information. Narratives will develop personal experiences employing dialogue, pacing, description, reflection, and multiple plot lines. Students are proficient in all steps of the writing process editing effectively and using digital publishing options. Research using appropriate formats for citation and evaluating sources is routine. Through repeated exposure students will become confident presenters and participants in discourse with both peers and experts.
Prerequisite	None

Course Title	Honors Ninth Grade Literature and Composition
Course Number	3750
Course Description	Honors English is a college prep course that takes a global, more thematic, approach to the study of literature and composition. This is a highly academic course and requires extensive outside reading, writing, and research, as well as summer reading.
Prerequisite	None

Course Title	10th-World Literature
Course Number	3633 (Also Offered Online)
Course Description	Students in grade 10 are expected to continue to increase their analytical skills, reading increasingly complex texts across all genres and writing cogent, well-supported analysis and argument essays using evidence from those texts. Students at this level can trace the development of a theme or argument through a text and provide an objective summary of the text without editorial bias. Through reading and writing and the use of appropriate reference materials, the student acquires academic and other contextual vocabulary, showing independence in acquisition and usage. In the early high school years, particular focus is brought to world culture and how points of view can vary with cultural experience, as well as how interpretations can vary between artistic mediums. In grade10 students will create more complex arguments, addressing counter-arguments and using sophisticated structures and formal manuscript styles. Their expository essays will convey increasingly complex ideas, excluding extraneous details and using graphic and digital elements to convey information. Narratives will develop personal experiences employing dialogue, pacing, description, reflection, and multiple plot lines. Students are proficient in all steps of the writing process editingeffectively and using digital publishing options. Research using appropriate formats for citation and evaluating sources is routine. Through repeated exposure students will become confident presenters and participants indiscourse with both peers and experts.
Prerequisite	Ninth Grade Literature and Composition

Course Title	Honors World Literature
Course Number	3752 (Also Offered Online)
Course Description	This college prep course emphasizes an in-depth analysis of World Literature, personal and expository compositions, vocabulary development (i.e., SAT preparation), public speaking skills, and utilization of research skills. A variety of methods will be used to enhance students' critical thinking skills. Extensive reading is required throughout the entire course. A research paper and summer reading are required.
Prerequisite	Honors Ninth Grade Literature and Composition

Course Title	Eleventh-Grade American Literature
Course Number	3713 (Also Offered Online)
Course Description	Students in grade eleven are consolidating and internalizing the core skills of the CCGPS as they near the end of their high school careers, fulfilling the vision of a college- and career- ready individual with strong twenty-first century literacy skills and the ability to think critically. They undertake close, attentive reading of complex works of literature and informational texts, and are able to navigate confidently through significant amounts of information in a variety of formats. Eleventh graders have developed a very broad vocabulary that includes content-specific and technical terms along with a fluent and sophisticated grasp of the English language. Their growing understanding of the nuances of language will aid them in analyzing an author's point of view, recognizing the rhetorical elements of an argument, and in the development of tone and mood in works of literature. Students at this level of development will apply their critical thinking skills to the comparison and analysis of a variety of works in different artistic and digital mediums, and to the transformation of classical source works such as Shakespeare or Homer into modern pieces. By grade eleven students are able to identify and understand the interplay of more than one central idea within a single text, appreciating the way that ideas can build upon one another to achieve a complexity of thought. Students at this level can effectively evaluate primary and secondary source material from a variety of resources including digital resources and historic documents. Students can introduce and support arguments with valid reasoning, use accepted formatting and citation styles with ease, and convey complex ideas effectively using appropriate structures. Sustained research projects should be common-place by grade eleven and students are comfortable presenting findings to both large and small groups in multi-modal formats.
Prerequisite	World Literature

Course Title	Honors American Literature
Course Number	3754
Course Description	In this college prep course students will be introduced to the American experience as shared by a diverse and select group of writers. Students will be able to study, analyze, and thoughtfully discuss (orally and in writing) literature that spans from the Puritan and pre-Puritan (Native American) eras through the 20th Century. Emphasis is on reading comprehension, study skills, and techniques for strengthening writing skills. Extensive reading is required throughout the entire course. A research paper and summer reading are required.
Prerequisite	Honors World Literature

Course Title	Advanced Placement English Language (III)
Course Number	9109
Course Description	Advanced Placement is unique in our high school curriculum. Students undertake close, attentive reading of complex works of literature and informational texts, and are able to navigate confidently through significant amounts of information in a variety of formats. Students continue to develop a very broad vocabulary that includes content-specific and technical terms along with a fluent and sophisticated grasp of the English language. Their growing understanding of the nuances of language will aid them in analyzing an author's point of view, recognizing the rhetorical elements of an argument, and in the development of tone and mood in works of literature. Students at this level of development will apply their critical thinking skills to the comparison and analysis of a variety of works in different artistic and digital mediums, and to the transformation of classical source works such as Shakespeare or Homer into modern pieces. Students are able to identify and understand the interplay of more than one central idea within a single text, appreciating the way that ideas can build upon one another to achieve a complexity of thought. Students at this level can effectively evaluate primary and secondary source material from a variety of resources including digital resources and historic documents. Students can introduce and support arguments with valid reasoning, use accepted formatting and citation styles with ease, and convey complex ideas effectively using appropriate structures. Sustained research projects are common-place and students are comfortable presenting findings to both large and small groups in multi-modal formats.
Prerequisite	World Literature

Course Title	Honors British Literature
Course Number	3791
Course Description	The overall goal of this class is to interpret, analyze, evaluate, and critique British literature with a concentration on developing writing and analytical reading skills. The literary pieces studied in this course include a variety of short stories, essays, poems, plays, and novels. Students will effectively evaluate the philosophical, political, religious, ethical, and social influences of each historical/literary period. Students will demonstrate their understanding of literature through class discussion, presentations, essays, and other formats. It is a "college gateway" class that will encourage student independence, multi-tasking, and time management.
Prerequisite	

Course Title	12th Grade British Literature
Course Number	3793
Course Description	Students are consolidating and internalizing the core skills of the CCGPS as they near the end of their high school careers, fulfilling the vision of a college- and career-ready individual with strong twenty-first century literacy skills and the ability to think critically. They undertake close, attentive reading of complex works of literature and informational texts, and are able to navigate confidently through significant amounts of information in a variety of formats. Students continue to develop a very broad vocabulary that includes content-specific and technical terms along with a fluent and sophisticated grasp of the English language. Their growing understanding of the nuances of language will aid them in analyzing an author's point of view, recognizing the rhetorical elements of an argument, and in the development of tone and mood in works of literature. Students at this level of development will apply their critical thinking skills to the comparison and analysis of a variety of works in different artistic and digital mediums, and to the transformation of classical source works such as Shakespeare or Homer into modern pieces. Students are able to identify and understand the interplay of more than one central idea within a single text, appreciating the way that ideas can build upon one another to achieve a complexity of thought. Students at this level can effectively evaluate primary and secondary source material from a variety of resources including digital resources and historic documents. Students can introduce and support arguments with valid reasoning, use accepted formatting and citation styles with ease, and convey complex ideas effectively using appropriate structures. Sustained research projects are common place, and students are comfortable presenting findings to both large and small groups in multi-modal formats.
Prerequisite	American Literature

Course Title	Reading Enrichment (Does not count as an English unit of credit)
Course Number	9126
Course Description	This course is an extension of Communication Skills 23.081. It provides additional remediation for students who have still not mastered the language arts objectives for the Georgia Milestones. It enhances essential reading skills necessary to promote continual development in reading. This course should meet the guidelines for Remedial Education Program.
Prerequisite	This course requires recommendation by the student's teacher.

Course Title	Basic Reading/Writing I (BRWI) (Does not count as an English unit of credit)
Course Number	9127
Course Description	Provides fundamental skills development in all areas of English/Language Arts in a language lab setting; includes drill and practice opportunities in writing, organizing, speaking, reading, and critical thinking.
Prerequisite	This course requires recommendation by the student's teacher.

Course Title	Basic Reading/Writing II (BRWII) (Does not count as an English unit of credit)
Course Number	9128
Course Description	Enhances level-one skills in a language lab setting. Provides further application of skills in writing, organizing, speaking, reading, and critical thinking activities. Includes preparation for various required state assessments.
Prerequisite	This course requires recommendation by the student's teacher and/or completion of Basic Reading/Writing I

Course Title	Basic Reading/Writing III (BRWIII) (Does not count as an English unit of credit)
Course Number	9129
Course Description	Enhances level-two skills through an intensive small group environment. Focuses on writing, organizing, speaking, reading, and critical thinking and includes preparation for various required state assessments (e.g., Georgia Milestones).
Prerequisite	This course requires recommendation by the student's teacher and/or completion of Basic Reading/Writing II

Course Title	Basic Reading/Writing IV (BRWIV) (Does not count as an English unit of credit)
Course Number	9130
Course Description	Enhances level-three skills. Provides in-depth concentration on writing, organizing, speaking, reading, and critical thinking activities. Includes preparation for various required state assessments (e.g., Georgia Milestones Assessment, Georgia Writing Assessment).
Prerequisite	This course requires recommendation by the student's teacher and/or completion of Basic Reading/Writing III

Course Title	Advanced Placement English Literature (IV)
Course Number	3834 (Also Offered Online)
Course Description	AP English IV is a college-level course, which gives students the opportunity to analyze, read, discuss, and write about challenging selections in world literature. It provides the practice and guidance needed to fully prepare for the AP examination in English Literature. Students will take the College Board Advanced Placement English Literature and Composition Examination in early May for college credit and/or advanced standing. Summer reading is required.
Prerequisite	American Literature

Course Title	Scholastic Assessment Test (SAT) Preparation (Does not count as an English unit of credit)
Course Number	9120
Course Description	The Verbal semester of SAT Preparation is an elective course designed for students who have completed 9th Grade Literature/English I or Honors 9th Grade Literature/English I. The major topic of study will be the Evidenced Based Reading and Writing section of the SAT. Students will become familiar with SAT format and the concepts tested on the SAT. Students will be introduced strategies and key test taking skills. They will also take full- length practice tests and learn about the scoring of the SAT.
Prerequisite	Completion of Ninth Grade Literature or Honors Ninth Grade Literature

Course Title	English Study Skills (Does not count as an English unit of credit)
Course Number	6615
Course Description	This course is designed to support freshmen in the areas of reading, writing, and communication. The instructional setting will consist of varied teaching strategies that address multiple learning styles. Students enrolled in this course will receive instruction that focuses on reading, writing, speaking, critical thinking, and organization.
Prerequisite	This course requires recommendation by the student's counselor.

Course Title	Writer's Workshop (Does not count as an English unit of credit)
Course Number	3850
Course Description	The Writer's Workshop course will offer opportunities for students to enhance their grammar and style techniques toward maturity as writers. Students will delve into traditions and complexities of writers, gaining insight into analytical skills and thematic connections between past and current voices. In addition, students will compose their own creative works, and will also be responsible for editing and publishing either a literary journal or a school paper. The student population should be highly motivated 11th and 12th graders who have an interest in the study of creative writing. The course may count as an elective only for students.
Prerequisite	None

Course Title	Lit/ History of New Testament
Course Number	3862
Course Description	The purpose of the course shall be to accommodate the rights and desires of those teachers and students who wish to teach and study the New Testament and to familiarize students with the contents of the New Testament, the history recorded by the New Testament, the literary style and structure of the New Testament, the customs and cultures of the peoples and societies recorded in the New Testament and the influence of the New Testament upon law, history, government, literature, art, music, customs, morals, values, and culture. The topics may include the historical background and events of the period; the life of Jesus of Nazareth; the parables of Jesus; the life and travels of Paul; and the influence of New Testament history and literature on subsequent art, music, literature, law, and events.
Prerequisite	None

MATHEMATICS

Course Title	GSE Algebra I (Students entering 9th grade in 2017-2018 school year and beyond)
Course Number	4450 Honors Course: 4451
Course Description	GSE is the first mathematics course of three required for graduation. The critical areas, organized into units, deepen and extend understanding of linear relationships, lay a foundation in quadratic and exponential reasoning, and compare and contrast the functions for a greater depth of knowledge. The final unit in the course deals with describing data and interpreting linear models. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.
Prerequisite	Successful completion of Grade 8 Mathematics

Course Title	GSE Geometry (Available in 2018-2019 for students entering 9th grade in 2017-2018 school year and beyond)
Course Number	4460 Honors Course: 4461
Course Description	The focus of Geometry on the coordinate plane is organized into 6 critical areas. Transformations on the coordinate plane provide opportunities for the formal study of congruence and similarity. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. The study of circles uses similarity and congruence to develop basic theorems relating circles and lines. The need for extending the set of rational numbers arises and real and complex numbers are introduced so that all quadratic equations can be solved. The use of previous geometric concepts such as distance, midpoint, and slope will be used to verify algebraically geometric relationships of figures in the coordinate plane. The link between probability and data is explored through conditional probability. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.
Prerequisite	Successful completion of GSE Algebra I

Course Title	GSE Algebra II (Available in 2019-2020 for students entering 9th grade in 2017-2018 school year and beyond)
Course Number	4470 Honors Course: 4471
Course Description	It is in GSE Algebra II that students pull together and apply the accumulation of learning that they have from their previous courses, with content grouped into six critical areas, organized into units. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include polynomial, rational, and radical functions. They expand their study of right triangle trigonometry to model periodic phenomena. And, finally, students bring together all of their experience with functions and geometry to create models and solve contextual problems. The Mathematical Practice Standards apply throughout each course and together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes uses of their ability to make sense of problem situations.
Prerequisite	Successful completion of GSE Geometry

Course Title	GSE Geometry
Course Number	4510 Honors Course: 4517
Course Description	The focus of Analytic Geometry on the coordinate plane is organized into 6 critical areas. Transformations on the coordinate plane provide opportunities for the formal study of congruence and similarity. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. The study of circles uses similarity and congruence to develop basic theorems relating circles and lines. The need for extending the set of rational numbers arises and real and complex numbers are introduced so that all quadratic equations can be solved. Quadratic expressions, equations, and functions are developed; comparing their characteristics and behavior to those of linear and exponential relationships from Coordinate Algebra. Circles return with their quadratic algebraic representations on the coordinate plane. The link between probability and data is explored through conditional probability. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.
Prerequisite	Successful completion of CCGPS Coordinate Algebra

Course Title	GSE Advanced Algebra
Course Number	4520 Honors Course: 4527
Course Description	It is in Advanced Algebra that students pull together and apply the accumulation of learning that they have from their previous courses, with content grouped into six critical areas, organized into units. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include polynomial, rational, and radical functions. They expand their study of right triangle trigonometry to model periodic phenomena. And, finally, students bring together all of their experience with functions and geometry to create models and solve contextual problems. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.
Prerequisite	Successful completion of CCGPS Analytic Geometry

Course Title	GSE Pre-Calculus
Course Number	4530 Honors Course: 4537
Course Description	Pre-Calculus focuses on standards to prepare students for a more intense study of mathematics. The critical areas organized in seven units delve deeper into content from previous courses. The study of circles and parabolas is extended to include other conics such as ellipses and hyperbolas. Trigonometric functions are further developed to include inverses, general triangles and identities. Matrices provide an organizational structure in which to represent and solve complex problems. Students expand the concepts of complex numbers and the coordinate plane to represent and operate upon vectors. Probability rounds out the course using counting methods, including their use in making and evaluating decisions. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.
Prerequisite	Successful completion of CCGPS Advanced Algebra

Course Title	Advanced Finite Mathematics
Course Number	
Course Description	Advanced Finite Mathematics is designed to meet the needs of advanced students who have completed Pre-Calculus. The course will examine mathematics in set theory, number theory, combinatorics, and graph theory.
Prerequisite	Successful completion of Pre-Calculus or its equivalent

Course Title	Calculus
Course Number	4762
Course Description	Calculus is a fourth year mathematics course option that includes problem solving, reasoning and estimation, functions, derivatives, application of the derivative, integrals, and application of the integral.
Prerequisite	Successful completion of Pre-Calculus or its equivalent

Course Title	Advanced Placement Calculus (AB / BC) Course Number:
Course Number	**AB:** 4764 **BC:** 4766
Course Description	These courses are comparable to the first and second college level calculus courses. Students will be required to take the Advanced Placement Calculus AB or BC Exam. The courses include a study of elementary functions, limits and continuity, and differential and integral calculus.
Prerequisite	Successful completion of CCGPS Pre-Calculus or its equivalent

Course Title	AP Statistics
Course Number	4893
Course Description	This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students study four broad conceptual themes: 1. exploring data by observing patterns and departures from patterns, 2. planning a study, including deciding what and how to measure, 3. anticipating patterns by producing models using probability theory and simulation, and 4. statistical inference through modeling
Prerequisite	Successful completion of CCGPS Advanced Algebra or higher.

Course Title	Foundations of Algebra
Course Number	4534
Course Description	This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students study four broad conceptual themes: A. exploring data by observing patterns and departures from patterns, B. planning a study, including deciding what and how to measure, C. anticipating patterns by producing models using probability theory and simulation, and D. statistical inference through modeling.
Prerequisite	Eligibility criteria encompassing previous standardized test scores and grades

Course Title	GSE Algebra I Support (This is a mathematics elective.)
Course Number	4452
Course Description	This course is designed for students needing additional support in the area of mathematics. The course will assist students in mastering the skills necessary for success in GSE Algebra I.
Prerequisite	Recommendation by an administrator, teacher, or counselor. Must be taken with GSE Algebra I. (Does not earn math core academic credit.)

Course Title	GSE Geometry Support (This is a mathematics elective.)
Course Number	4462 (Available in 2018-2019)
Course Description	This course is designed for students who have passed GSE Algebra I, but continue to need additional support in the area of mathematics. The course will assist students in mastering the skills necessary for success in GSE Geometry.
Prerequisite	Recommendation by an administrator, teacher, or counselor. Must be taken with GSE Geometry. (Does not earn math core academic credit.)

Course Title	GSE Algebra II Support (This is a mathematics elective.)
Course Number	Available in 2019-2020
Course Description	This course is designed for students who have passed GSE Geometry, but continue to need additional support in the area of mathematics. The course will assist in mastering the skills necessary for success in GSE Algebra II.
Prerequisite	Recommendation by an administrator, teacher, or counselor. Must be taken with GSE Algebra II. (Does not earn math core academic credit.)

Course Title	Advanced Algebra Support (This is a mathematics elective.)
Course Number	4522.1
Course Description	This course is designed for students who have passed CCGPS Analytic Geometry but continue to need additional support in the area of mathematics. The course will assist students in mastering the skills necessary for success in CCGPS Advanced Algebra.
Prerequisite	Recommendation by an administrator, teacher, or counselor. Must be taken with CCGPS Advanced Algebra. (Does not earn math core academic credit.)

Course Title	Mathematics of Finance
Course Number	4839
Course Description	Mathematics of Finance is a course designed to follow the completion of CCGPS Advanced Algebra. The course concentrates on the mathematics necessary to understand and make informed decisions related to personal finance. The mathematics in the course will be based on many topics in prior courses; however, the specific applications will extend the student's understanding of when and how to use these topics. In this course, students will learn the mathematics involved in: amortization of loans, stock transactions, credit cards, taxes, budgets, automobile purchases, fuel economy, Social Security, Medicare, retirement planning, checking and savings accounts, transportation, budgeting, home rental or ownership, other related finance applications. Students will also use basic functions to solve and model problems related to stock transactions, banking and credit, employment and taxes, rent and mortgages, retirement planning, and other related finance applications.
Prerequisite	Successful completion of CCGPS Advanced Algebra
Special Note	This course is not recognized by the Board of Regents

Course Title	Advanced Mathematical Decision Making
Course Number	4855
Course Description	Advanced Mathematical Decision Making is provided as a fourth-year course to follow CCGPS Advanced Algebra. Its primary purpose is to prepare students for college majors that are not math intensive, for technical training, or for a range of career options. The primary focal points of Advanced Mathematical Decision Making include: the analysis of information using statistical methods and probability, modeling change and mathematical relationships, mathematical decision making in finance and society, and spatial and geometric modeling for decision making. In Advanced Mathematical Decision Making, students will learn to become critical consumers of the quantitative data that surround them every day, knowledgeable decision makers who use logical reasoning, and mathematical thinkers who can use their quantitative skills to solve problems related to a wide range of situations.
Prerequisite	Successful completion of CCGPS Advanced Algebra

Course Title	Statistical Reasoning
Course Number	4894
Course Description	Statistical Reasoning is a fourth mathematics course option for students who have completed Advanced Algebra. The course provides experiences in statistics beyond the GSE sequence of courses, offering students opportunities to strengthen their understanding of the statistical method of inquiry and statistical simulations.
Prerequisite	Successful completion of Advanced Algebra or GSE Algebra II

Course Title	College Readiness Mathematics
Course Number	4896
Course Description	College Readiness Mathematics is designed to serve as a bridge for high school students who will enroll in non-STEM post-secondary study and will serve to meet the high fourth course graduation requirement. This course will meet the needs of college bound seniors who will not pursue STEM fields.
Prerequisite	Successful completion of Advanced Algebra or GSE Algebra II

Course Title	Technical College Readiness Mathematics
Course Number	4495
Course Description	This course is designed for students who need significant math support. Technical College Readiness Mathematics can be offered as a third or fourth course option to 11th and/or 12th grade students who must meet ALL of the following criteria: A. Have earned math credit in Coordinate Algebra/Algebra I, and B. Have earned math credit or are currently enrolled in Analytic Geometry/Geometry, and C. Score less than 34 on the Arithmetic ACCUPLACER Placement Test. Technical College Readiness Mathematics will examine numeracy, algebra, and geometry in a variety of contexts, including number sense, linear and no-linear relationships, functions and their graphs, and measurement and geometry. The course will provide an opportunity for students to review mathematics skills needed for success in Technical College. To find out more information about the ACCUPLACER Placement test click the following links: https://accuplacer.collegeboard.org/ and https://accuplacer.collegeboard.org/student/inside-the-test.
Prerequisite	Successful completion of GSE Algebra I/Coordinate Algebra and GSE Geometry/Analytic Geometry or concurrent enrollment in GSE Geometry/Analytic Geometry. Qualification through the ACCUPLACER Placement Assessment must be adhered to in order to be enrolled.

SCIENCE

Course Title	Biology I
Course Number	5633
Course Description	The Biology curriculum is designed to continue student investigations of the life sciences that began in grades K-8 and provide students the necessary skills to be proficient in biology. This curriculum includes more abstract concepts such as the interdependence of organisms, the relationship of matter, energy, and organization in living systems, the behavior of organisms, and biological evolution. Students will investigate biological concepts through experience in laboratories and field work using the processes of inquiry. ***The state mandated Georgia Milestones End of Course Assessment is required and counts 20% of the student's overall course grade.***
Prerequisite	None

Course Title	Biology I Honors
Course Number	5665
Course Description	The Biology curriculum is designed to continue student investigations of the life sciences that began in grades K-8 and provide students the necessary skills to be proficient in biology. This curriculum includes more abstract concepts such as the interdependence of organisms, the relationship of matter, energy, and organization in living systems, the behavior of organisms, and biological evolution. Students will investigate biological concepts through experience in laboratories and field work using the processes of inquiry. Honors Biology is a more detailed study of life than Biology. Students in this laboratory-based course will explore the same topics covered in Biology, but with more detail in all areas of biological study. Other topics and instructional methods specific to preparing students for the rigors of future honors science courses, Advanced Placement, and IB science courses are also included. Science fair projects or other designated national or state recognized science activities are required. ***The state mandated Georgia Milestones End of Course Assessment is required and counts 20% of the student's overall course grade.***
Prerequisite	Teacher Recommendation, Passed Coordinate Algebra and Enrolled in Analytic Geometry/GSE Geometry

Course Title	Chemistry I
Course Number	5673
Course Description	The Chemistry curriculum is designed to continue student investigations of the physical sciences that began in grades K-8 and provide students the necessary skills to be proficient in chemistry. This curriculum includes more abstract concepts such as the structure of atoms, structure and properties of matter, characterization of the properties that describe solutions and the nature of acids and bases, and the conservation and interaction of energy and matter. Students investigate chemistry concepts through experience in laboratories and field work using the processes of inquiry.
Prerequisite	Passed Biology and Coordinate Algebra/GSE Algebra I

Course Title	Chemistry I Honors
Course Number	5723
Course Description	The Chemistry curriculum is designed to continue student investigations of the physical sciences that began in grades K-8 and provide students the necessary skills to be proficient in chemistry. This curriculum includes more abstract concepts such as the structure of atoms, structure and properties of matter, characterization of the properties that describe solutions and the nature of acids and bases, and the conservation and interaction of energy and matter. Students investigate chemistry concepts through experience in laboratories and field work using the processes of inquiry. Honors Chemistry is designed to cover many of the same topics as the Chemistry course, but in more detail. Substantial lab time is also required in order to accomplish the objectives set for this course. Other topics specific to preparing students for the rigors of an Advanced Placement course will be integrated throughout the course. Science Fair projects or other designated national or state recognized science activities are required.
Prerequisite	Teacher Recommendation, Passed Honors Biology and Coordinate Algebra/GSE Algebra I

SCIENCE

Course Title	Earth Systems
Course Number	5903
Course Description	Earth Systems Science is designed to continue student investigations that began in K-8 Earth Science and Life Science curricula and investigate the connections among Earth's systems through Earth history. These systems – the atmosphere, hydrosphere, geosphere, and biosphere – interact through time to produce the Earth's landscapes, ecology, and resources. This course develops the explanations of phenomena fundamental to the sciences of geology and physical geography, including the early history of the Earth, plate tectonics, landform evolution, the Earth's geologic record, weather and climate, and the history of life on Earth. Instruction should focus on inquiry and development of scientific explanations, rather than mere descriptions of phenomena. Case studies, laboratory exercises, maps, and data analysis should be integrated into units. Special attention should be paid to topics of current interest (e.g., recent earthquakes, tsunamis, global warming, price of resources) and to potential careers in the geosciences.
Prerequisite	None

Course Title	Environmental Science
Course Number	5852
Course Description	The Environmental Science curriculum is designed to extend student investigations that began in grades K-8. It integrates the study of many components of our environment, including the human impact on our planet. The concepts integrated into this course include: flow of energy & cycling of matter, interconnection of all life, stability and change in an ecosystem, conservation and resource allocation, and evaluation of human activity and technology. The scientific principles and related technology will assist the student in understanding the relationships between local, national, and global environmental issues.
Prerequisite	None

Course Title	Forensic Science (not offered at each high school)
Course Number	5920
Course Description	In this course students will learn the scientific protocols for analyzing a crime scene, how to use chemical and physical separation methods to isolate and identify materials, how to analyze biological evidence and the criminal use of tools, including impressions from firearms, tool marks, arson, and explosive evidence. Students investigate Forensic Science concepts through experience in laboratories and field work using the processes of inquiry.
Prerequisite	Passed Biology, Chemistry and Coordinate Algebra/GSE Algebra I

Course Title	Human Anatomy/Physiology
Course Number	5833
Course Description	The human anatomy and physiology curriculum is designed to continue student investigations that began in grades K-8 and high school biology. Areas of study include organization of the body; protection, support and movement; providing internal coordination and regulation; processing and transporting; and reproduction, growth and development. The course integrates careers related to medicine, research, health-care and modern medical and utilizes case studies concerning diseases, disorders and ailments. Human Anatomy and Physiology is performance and laboratory based, with Chemistry integrated throughout. Required in the course are various detailed mammalian dissections. Important components of the course are various projects, review of medical issues, and application of knowledge to technology and society.
Prerequisite	Passed Biology, and Physical Science or Chemistry

Course Title	Physical Science
Course Number	5533
Course Description	The Physical Science curriculum is designed to continue student investigations of the physical sciences that began in grades K-8 and provide students the necessary skills to have a richer knowledge base in physical science. This course is designed as a survey course of chemistry and physics. This curriculum includes the more abstract concepts such as the conceptualization of the structure of atoms, motion and forces, and the conservation of energy and matter, the action/reaction principle, and wave behavior. Students investigate physical science concepts through experience in laboratories and field work using the processes of inquiry. ***The state mandated Georgia Milestones End of Course Assessment is required and counts 20% of the student's overall course grade***
Prerequisite	None

SCIENCE

Course Title	Physics
Course Number	5754
Course Description	The Physics curriculum is designed to continue student investigations of the physical sciences that began in grades K-8 and provide students the necessary skills to be proficient in physics. This curriculum includes more abstract concepts such as interactions of matter and energy, velocity, acceleration, force, energy, momentum, and charge. Students investigate physics concepts through experience in laboratories and field work using the process of inquiry.
Prerequisite	Passed Coordinate Algebra/GSE Algebra I, and Analytic Geometry/GSE Geometry; enrolled in Advanced Algebra/ GSE Algebra II or above

Course Title	Scientific Research I
Course Number	5912
Course Description	Students taking the Scientific Research I course will develop projects that are mostly suggested or required by their teacher. It is expected that these students will receive strong support from their teacher and their research projects could be completed on a time frame of weeks. Presentation of the projects developed at this level will happen mostly in a classroom setting or school site science fair. ***Note: This course has not been approved as a fourth science by the Board of Regents.***
Prerequisite	None

Course Title	Scientific Research II
Course Number	5914
Course Description	Students taking the Scientific Research II course will develop projects based on their interests. These projects may be related to topics that they are covering in any of their science courses or could expand on those ideas. It is expected that the students will receive some support from their teachers, but they will be working mostly independently. Projects at this level could be completed on a time frame of weeks to months. Presentations of the projects developed at this level could take place at regional or state science fair competitions for example. ***Note: This course has not been approved as a fourth science by the Board of Regents.***
Prerequisite	Passed Scientific Research I

Course Title	Scientific Research III
Course Number	5916
Course Description	Students taking the Scientific Research III course will develop projects based on their interests. Projects at this level would be original in nature and will investigate students' ideas to solve a particular problem. It is expected that the students will work with someone outside the school setting as they work towards the solution of their problem. This type of project may take the whole length of the course to be completed. Students completing these projects are expected to present their solutions to the appropriate interests groups (i.e. a particular company, an interest group, etc.) or on settings like the Best Robotics competitions, Siemens, the High School Engineering Competition, etc.
Prerequisite	Passed Scientific Research I and Scientific Research II

ADVANCED PLACEMENT SCIENCE

Course Title	Advanced Placement Biology
Course Number	5654
Course Description	This course conforms to the College Board topics for the Advanced Placement Biology Examination. The major themes of the course as indicated by the AP Biology course guide include molecules and cells (emphasis on biological chemistry, cell structure and function and energy transformations with biological systems), genetics and evolution (molecular genetics, DNA, RNA, heredity, origin of life, natural selection, patterns of evolution), organisms and populations (principles of taxonomy, plants and animals, structure and function of various tissues and organs, population dynamics, ecosystems and community dynamics, and bio-geo-chemical cycles). This course requires a rigorous college level lab component and utilizes a college text. Students are expected to take the AP Biology exam in May, and college credit may be awarded for this course upon successfully passing the respective exam.
Prerequisite	Passed Biology I and Chemistry I

Course Title	Advanced Placement Chemistry
Course Number	5694
Course Description	This course conforms to the College Board topics for the Advanced Placement Chemistry Examination. The major themes for this course as indicated by the AP Chemistry course guide include the structure of matter, the states of matter, reactions, descriptive chemistry, and college level chemistry laboratories (substantial lab time is required in order to accomplish the objectives set for this course). This course requires a rigorous college level lab component and utilizes a college text. Students are expected to take the AP Chemistry exam in May, and college credit may be awarded for this course upon successfully passing the respective exam.
Prerequisite	Passed Chemistry I; enrolled in Advanced Algebra/GSE Algebra II

Course Title	Advanced Placement Environmental Science
Course Number	5854
Course Description	This course conforms to College Board topics for the Advanced Placement Environmental Science Examination. The major themes for this course as indicated by the AP Environmental Science course guide include Earth systems and resources, the living world, populations, land and water use, energy resources and consumption, pollution, and global change. This course requires a rigorous college level lab component and utilizes a college text. Students are expected to take the AP Environmental Science exam in May, and college credit may be awarded for this course upon successfully passing the respective exam.
Prerequisite	Passed Biology I and Chemistry I

Course Title	Advanced Placement Physics I
Course Number	5767
Course Description	This course conforms to College Board topics for the Advanced Placement Physics 1 Examination. AP Physics 1: Algebra-Based is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. This course requires a rigorous college level lab component and utilizes a college text. Students are expected to take the Advanced Placement Physics I Exam in May, and college credit may be awarded for this course upon successfully passing the respective exam.
Prerequisite	Passed Coordinate Algebra/GSE Algebra I, Analytic Geometry/GSE Geometry; and enrolled in Advanced Algebra/GSE Algebra II or above

SCIENCE

Course Title	Advanced Placement Physics II
Course Number	5771
Course Description	This course conforms to College Board topics for the Advanced Placement Physics 2 Examination. AP Physics 2: Algebra-Based is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. This course requires a rigorous college level lab component and utilizes a college text. Students are expected to take the Advanced Placement Physics I Exam in May, and college credit may be awarded for this course upon successfully passing the respective exam.
Prerequisite	Passed Coordinate Algebra/GSE Algebra I, Analytic Geometry/GSE Geometry; and enrolled in Advanced Algebra/GSE Algebra II or above

SOCIAL STUDIES

Course Title	World Geography
Course Number	6522
Course Description	World Geography investigates regions of the world and how these regions influence the historical, economic, political, and cultural development in an interdependent world. The five themes of geography (place, location, region, movement, and human-environment interaction) are used to study the various regions of the world. Emphasis is placed on decision-making, cultural diversity, and the interdependency of today's world.
Prerequisite	None

Course Title	Honors World Geography
Course Number	6527
Course Description	World Geography investigates regions of the world and how these regions influence the historical, economic, political, and cultural development in an interdependent world. The five themes of geography (place, location, region, movement, and human-environment interaction) are used to study the various regions of the world. Emphasis is placed on decision-making, cultural diversity, and the interdependency of today's world. This course is similar to World Geography, except students examine geography in more detail and analyze topics in greater depth.
Prerequisite	None

Course Title	Advanced Placement Human Geography
Course Number	6548
Course Description	The course will follow the instructional goals and descriptions from the College Board. The purpose of the AP Course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice.
Prerequisite	None

Course Title	World History
Course Number	6532
Course Description	World History is a required course for graduation that emphasizes the political, cultural, economic, and social development and growth of civilizations. It examines the development of change beginning with ancient civilizations, the emergence of nations through trade/communications, intellectual development, scientific /technological development, emergence of nation states, nations in conflict, and the emerging interdependence of nations in the twentieth century.
Prerequisite	None

Course Title	Honors World History
Course Number	6543
Course Description	Honors World History is a required course for graduation that emphasizes the political, cultural, economic, and social development and growth of civilizations. It examines the development of change beginning with ancient civilizations, the emergence of nations through trade/communications, intellectual development, scientific/technological development, emergence of nation states, nations in conflict, and the emerging interdependence of nations in the twentieth century. This course is similar to World History, except students examine history in more detail and analyze events in greater depth.
Prerequisite	None

Course Title	Advanced Placement World History
Course Number	6545
Course Description	Advanced Placement World History conforms to College Board topics for the Advanced Placement World History Examination. The course explores the dynamics of continuity and change across the historical periods that are included in the course. Students will analyze the processes and causes involved. The course will focus on five overarching themes (1) interaction between humans and the environment; (2) development and interaction of cultures; (3) state-building, expansion, and conflict; (4) creation, expansion, and interaction of economic systems; (5) development and transformation of social structures which serve as unifying threads to help students put periods into a large framework.
Prerequisite	AP Human Geography or Honors Geography suggested

Course Title	U.S. History
Course Number	6552
Course Description	United States History is a required course for graduation. Topics include the social, political, technological, and economic issues relating to the history of the United States from the colonial era through the present. Basic social studies skills and critical thinking are integrated and reinforced into each area of United States History.
Prerequisite	None

Course Title	Honors U.S. History
Course Number	6554
Course Description	United States History is a required course for graduation. Topics include the social, political, technological, and economic issues relating to the history of the United States from the colonial era through the present. Social studies skills and critical thinking are integrated and reinforced into each area of United States History. This course is similar to U.S. History, except students examine U.S. history in more detail and analyze topics in greater depth.
Prerequisite	None

Course Title	Advanced Placement U.S. History
Course Number	6574
Course Description	Advanced Placement United States History conforms to College Board topics for the Advanced Placement United States History Examination. The course explores themes which help students to think conceptually about the American past and focus on historical change over time. The course focuses on themes such as American diversity, American identity, culture, demographic changes, economic transformations, environment, globalization, politics and citizenship, reform, religion, slavery and its legacy, and war and diplomacy that will help students put time periods into larger framework.
Prerequisite	AP Human Geography or AP World History recommended

Course Title	Advanced Placement European History
Course Number	6590
Course Description	Advanced Placement European History conforms to the College Board topics for the Advanced Placement European History Examination. The study of European History since 1450 examines cultural, economic, political, and social developments that played a fundamental role in shaping the world. In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop (a) an understanding of some of the principal themes of European History, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing.
Prerequisite	AP Human Geography, Honors Geography, Honors or AP World History, Honors or AP United States History suggested

Course Title	Economics
Course Number	6632 (1/2 Credit Offered Online)
Course Description	Economics is a survey course that is required for graduation and is taken in the 12th grade. Topics include fundamental concepts, microeconomics, macroeconomics, international economics, and personal finance. Economics integrates and reinforces critical thinking and social studies skills.
Prerequisite	None

Course Title	Honors Economics
Course Number	6634
Course Description	Economics is a survey course that is required for graduation and is taken in the 12th grade. Topics include comparative economic systems, U.S. economic institutions, fiscal policy, international interdependence, business and market structure, scarcity, supply and demand, and consumerism. Economics integrates and reinforces critical thinking and basic social studies skills. This course is similar to Economics, except students examine economics in more detail and analyze topics in greater depth.
Prerequisite	None

Course Title	Advanced Placement Microeconomics
Course Number	6651
Course Description	Economics is a survey course that is required for graduation and is taken in the 12th grade. The purpose of an AP course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the
Prerequisite	None

Course Title	Advanced Placement Macroeconomics
Course Number	6640
Course Description	Economics is a survey course that is required for graduation and is taken in the 12th grade. The purpose of an AP course in macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price-level determination and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth and
Prerequisite	None

Course Title	American Government
Course Number	6512 (1/2 Credit Offered Online)
Course Description	Government is a survey course that is required for graduation and is to be taken in the 12th grade. Topics covered include the origins of government, the English influence on the American system, the U.S. Constitution, individual rights of citizens, citizenship, the election process, state and local governments, and the three branches of government. It integrates and reinforces the basic social studies skills and critical thinking.
Prerequisite	None

Course Title	Honors American Government
Course Number	6516
Course Description	Government is a survey course that is required for graduation and is to be taken in the 12th grade. Topics covered include the origins of government, the English influence on the American system, the U.S. Constitution, individual rights of citizens, citizenship, the election process, state and local governments, and the three branches of government. It integrates and reinforces the basic social studies skills and critical thinking. This course is similar to American Government, except students examine American government in more detail and analyze topics in greater depth.
Prerequisite	None

Course Title	Advanced Placement Government and Politics: US Focus
Course Number	6513
Course Description	Government is a survey course that is required for graduation and is to be taken in the 12th grade. Advanced Placement Government and Politics: US Focus is a one-semester course that conforms to College Board topics for the AP Examination. This course explores constitutional underpinnings of the United States government, political beliefs and behaviors, political parties, interest groups and mass media, institutions of national
Prerequisite	AP or Honors United States and/or World History recommended.

Course Title	Advanced Placement Government and Politics: Comparative Focus
Course Number	6520
Course Description	Government is a survey course that is required for graduation and is to be taken in the 12th grade. Advanced Placement Government and Politics: Comparative Focus is a one-semester course that conforms to College Board topics for the AP Examination. The AP course in Comparative Government and Politics introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to
Prerequisite	AP or Honors United States and/or World History recommended.

Course Title	Psychology
Course Number	6642
Course Description	Psychology is an elective survey course. Topics include the history of psychology, the study of learning, memory and thought, theories of personality, insights into stress and conflict, factors influencing motivation and emotion, social and moral development, and types of mental illnesses and their treatment. It integrates and reinforces the basic social studies skills and critical thinking.
Prerequisite	None

Course Title	Advanced Placement Psychology
Course Number	6644
Course Description	Advanced Placement Psychology conforms to College Board topics for the Advanced Placement Psychology Examination. The course explores the systematic and scientific study of the behavior and mental processes of human beings and other animals. Psychological facts, principles, and phenomena associated with the various subfields of psychology will be introduced.
Prerequisite	AP World History, AP United States History recommended.

Course Title	Sociology
Course Number	6672
Course Description	Sociology is an elective survey course. Topics include the background of sociology, sociological research and methods, insights into culture, socialization skills and influences, and social institutions. It integrates and reinforces the basic social studies skills and critical thinking.
Prerequisite	None

Course Title	African American Studies
Course Number	6730
Course Description	African American Studies is an elective course that will serve to teach student about contributions made by individual African-Americans in government, the arts, humanities, and science. The students will examine African-American participation in the development of the United States and Africa, African-American pursuit of equal treatment under the laws. Major topics of this course are slavery and Reconstruction, the Harlem Renaissance, Civil Rights Movement, African-American Literature, Education and African-Americans, social issues and African-Americans in the 21st Century. This course is for juniors and seniors.
Prerequisite	None

CAREER, TECHNICAL, & AGRICULTURAL EDUCATION
All courses may not be available in all schools. Please check with your school for course offerings.

Agriculture, Food & Natural Resources Cluster Courses

Course Title	Basic Agriculture Science
Course Number	2542
Course Description	The course introduces the major areas of scientific agricultural production and research; presents problem solving lessons and introductory skills and knowledge in agricultural science and agri-related technologies. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities. This course is the prerequisite for all AFNR pathways. The following are examples of topics that can be covered: Veterinary Medicine, Plant Science, Animal Science, Natural Resources, Biotechnology, and Aquaculture.
Prerequisite	None

Course Title	Plant Sciences and Biotechnology
Course Number	2540
Course Description	Plant science is a basic component of the AgriScience pathway. This course introduces students to the scientific theories, principles, and practices involved in the production and management of plants for food, feed, fiber, conservation and ornamental use. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities. This course gives an overview of the plant science industry. The following are examples of topics that can be covered: Greenhouse Management, Nursery/Landscape Design, Plant Physiology, Plant Taxonomy, Genomics and Plant Genetics, and Hydroponics.
Prerequisite	Basic Agriculture Science

Course Title	Animal Science and Biotechnology
Course Number	2560
Course Description	As part of the AgriScience pathway program of study, this course is designed to introduce students to the scientific principles that underlie the breeding and husbandry of agricultural animals, and the production, processing, and distribution of agricultural animal products. Introduces scientific principles applied to the animal industry; covers reproduction, production technology, processing, and distribution of agricultural animal products. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities. This course gives an overview of the animal science industry. The following are examples of topics that can be covered: Animal Physiology, Agricultural Animal Science Industry, Small Animal Care & Management, Equine Management, Pre-Veterinary Medical Practices, Wildlife Management, Aquaculture, and Genomics & Animal Genetics.
Prerequisite	Basic Agriculture Science

Course Title	Biotechnology
Course Number	2520
Course Description	The capstone project is a culminating learning experience requiring the application of knowledge and skills from the agriscience pathway. The capstone project comprises independent work culminating in a solution to an issue or problem that is presented through scholarly writing and presentation. Students will participate in Henry County Schools Science Fair and FFA Science fair.
Prerequisite	Basic Agriculture Science, Plant Sciences and Biotechnology, and Animal Science and Biotechnology

Course Title	Pre-Veterinary Science - Academy for Advanced Studies only
Course Number	2547
Course Description	The goal of this course is to the pre-requisite knowledge utilized in the veterinary field. The following are examples of topics that can be covered: zoonotic diseases, proper handling procedures of animals, animal rights and animal welfare, and laboratory procedures and safety.
Prerequisite	Basic Agriculture Science

Course Title	Veterinary Science – Academy for Advanced Studies only
Course Number	2550
Course Description	This course is designed to provide students with the basic skills and knowledge utilized in the veterinary field. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities. This course gives and overview of veterinary procedures and practices: Hospital Procedures, Laboratory Procedures, Anatomy, Physiology, Animal Handling, and Biotechnology.
Prerequisite	Basic Agriculture Science and Pre-Veterinary Science

Course Title	General Horticulture and Plant Science – Academy for Advanced Studied only
Course Number	2512
Course Description	This course will introduce students to the major concepts of plant and horticulture science. Topics covered include: plant growth and reproduction, basic uses of soil and plant growth media, proper used of fertilizers and fertilizing methods, diseases and pests, and irrigation.
Prerequisite	Basic Agriculture Science

Course Title	Turf Production and Management – Academy for Advanced Studies only
Course Number	TBD
Course Description	This course introduces procedures to establish, manage, and maintain ornamental or recreational turf, to prepare and maintain athletic fields and playing surfaces, and to produce a market turf.
Prerequisite	Basic Agriculture Science and General Horticulture and Plant Science

Course Title	Nursery Management and Landscape Design – Academy for Advanced Studies only
Course Number	TBD
Course Description	This course is designed to provide students with the basic skills and knowledge utilized by the green industry in nursery production and management and landscape design and management.
Prerequisite	Basic Agriculture Science, General Horticulture and Plant Science, and Turf Production and Management

Architecture and Construction Cluster Courses

Course Title	Introduction to Drafting and Design
Course Number	2624
Course Description	Emphasis is placed on safety, geometric construction, fundamentals of computer-aided drafting, and multi-view drawings. Students learn drafting techniques through the study of geometric construction at which time they are introduced to computer-aided drafting and design. The standards are aligned with the national standards of the American Design Drafting Association (ADDA).
Prerequisite	None

Course Title	Architectural Drawing and Design I
Course Number	2214
Course Description	Architectural Drawing and Design I introduces students to the basic terminology, concepts, and principles of architectural design. Emphasis is placed on house designs, floor plans, roof designs, elevations (interior and exterior), schedules, and foundations. The standards are aligned with the drafting and design standards in Georgia's technical colleges, thus helping students qualify for advanced placement should they continue their education at the postsecondary level.
Prerequisite	Introduction to Drafting and Design

Course Title	Architectural Drawing and Design II
Course Number	2224

Course Description	Architectural Drawing and Design II builds on the skills developed in Architectural Drawing and Design I. Emphasis is placed on schedules, plumbing, heating and air, graphic presentations, plot/site plans, specifications, and building estimations. While the term computer-aided design (CAD) does not appear in each competency, CAD tools and software should be used extensively throughout the course. The standards are aligned with the drafting and design standards in Georgia's technical colleges, thus helping students qualify for advanced placement should they continue their education at the postsecondary level. Further, the standards are aligned with the national standards of the American Design Drafting Association (ADDA).
Prerequisite	Introduction to Drafting and Design, and Architectural Drawing and Design I

Course Title	Industry Fundamentals and Occupational Safety – Academy of Advanced Studies only
Course Number	(2758 Construction) (2774 Welding)
Course Description	This course is designed as the foundational course in the Carpentry, Plumbing, Electrical, Masonry, Machining, and Welding pathways to prepare students for pursuit of any career in construction. The course prepares the trainee for the basic knowledge to function safely on or around a construction site and in the industry in general and will provide the trainee with the option for an Industry Certification in the Construction Core.
Prerequisite	None

C**ourse Title**	Introduction to Construction – Academy of Advanced Studies only
Course Number	2950
Course Description	This course offers an opportunity for students to build on their knowledge and skills developed in Occupational Safety. The goal of this course is to introduce students to the history and traditions of the carpentry, masonry, plumbing, and electrical craft trades. Students will explore how the various crafts have influenced and been influenced by history. The student will also learn and apply knowledge of the care and safe use of hand and power tools as related to each trade. In addition, students will be introduced to, and develop skills to differentiate between blueprints, as is related to each individual craft area.
Prerequisite	Industry Fundamentals and Occupational Safety

Course Title	Carpentry – Academy for Advanced Studies only
Course Number	2760
Course Description	This course provides the student a solid foundation in carpentry skills and knowledge. The course provides an overview of the building materials used in the carpentry craft, as well as teaching techniques for reading and using blueprints and specifications related to the carpentry craft. The course provides specific knowledge and skills in site layout and floor and wall framing systems, and includes basic industry terminology for a carpentry craftsperson.
Prerequisite	Industry Fundamentals and Occupational Safety and Introduction to Construction

Course Title	Masonry – Academy for Advanced Studies only
Course Number	2764
Course Description	This course provides students with a solid foundation in masonry skills and knowledge. The course provides knowledge and skills related to types and properties of mortar and concrete mixtures, as well as skills needed to operate hand tools, power tools, and equipment used in mixing mortar. Additional course components include knowledge and skills related to cutting, laying, and finishing of masonry units.
Prerequisite	Industry Fundamentals and Occupational Safety and Introduction to Construction

Course Title	Plumbing – Academy for Advanced Studies only
Course Number	2766
Course Description	This course provides students with a solid foundation in plumbing. This course provides basic skills and knowledge needed to apply Occupational Safety and Health Administration (OSHA) and Environmental Protection Agency (EPA) safety concepts and practices relating to the plumbing trade. The student is introduced to the basic knowledge and application of plumbing codes, as well as the handling, estimating, and storing of materials used in the plumbing trade. Involved in this process is the correct interpretation and application of architectural and construction drawings, related to plumbing installation.
Prerequisite	Industry Fundamentals and Occupational Safety and Introduction to Construction

Course Title	Electrical – Academy for Advanced Studies only
Course Number	2762
Course Description	This course provides the student a solid foundation in electrical skills and knowledge. The course builds on the concepts of electrical safety introduced in Occupational Safety and provides knowledge and basic skills of the hardware and systems used by an electrician. The course incorporates general knowledge of the National Electrical Code and electrical systems, including series, parallel, and series-parallel circuits. In additional, students will be provided an introduction to the skills and knowledge of conduit bending and installation.
Prerequisite	Industry Fundamentals and Occupational Safety and Introduction to Construction

Course Title	Introduction to Metals – Academy for Advanced Studies only
Course Number	2768
Course Description	The metals technology curriculum, Introduction to Metals, is designed to acquaint students with the three major technical occupations (welding, sheet metal, and machining). The various activities equip high school students with the skills needed to select a metal industry occupation, enter the work force, and continue to advance in one of these specialized metals occupations. Experiences include an introduction to the basic requirements of each of these fields, exposure to the structure and nature of career opportunities, and an introduction to types of training and skills required and the use of specialized tools, equipment, and materials. This course is designed to familiarize students with fundamentals of various metal occupations for the purpose of preparing them to select either welding, sheet metal, or machining for more highly specialized training in subsequent courses.
Prerequisite	Industry Fundamentals and Occupational Safety

Course Title	Welding I – Academy for Advanced Studies only
Course Number	2770
Course Description	This course is designed to provide students with the basic knowledge and safe operating skills needed to demonstrate proper set of equipment in oxyfuel, shielded metal arc welding (SMAW), and gas metal arc welding (GMAW). The students will perform oxyfuel cuts using acetylene and propane gases. The students will select electrodes and performs welds using SMAW and GMAW to current industry standards. Welding symbols will be used to interpret detailed drawing used for fabrication. American Welding Society codes will be used to determine the soundness of welds.
Prerequisite	Welding Industry Fundamentals and Occupational Safety and Introduction to Metals

Arts, Audio-Video and Communications Cluster Courses

Course Title	Audio-Video Technology and Film I
Course Number	0478
Course Description	The course prepares students for employment or entry into a postsecondary education program in the audio and video technology career field. Topics covered may include, but are not limited to: terminology, safety, basic equipment, script writing, production teams, production and programming, lighting, recording and editing, studio production, and professional ethics.
Prerequisite	None

Course Title	Audio-Video Technology and Film II
Course Number	3175
Course Description	This course is the second in a series to prepare for a career in Audio & Video Technology and Film and/or to transfer to a postsecondary program for further study. Topics include: Planning, Writing, Directing and Editing a Production; Field Equipment Functions; Operational Set-Up and Maintenance, Advanced Editing Operations, Studio Productions, Performance, Audio/Video Control Systems, Production Graphics, Career Opportunities, and Professional Ethics. Skills USA-VICA and the Georgia Scholastic Press Association are appropriate organizations for providing leadership training and for reinforcing specific career and technical skills and are considered an integral part of the instructional program.
Prerequisite	Audio-Video Technology and Film I

Course Title	Audio-Video Technology and Film III
Course Number	3177
Course Description	This course is designed to allow the student to participate in an Audio & Video Technology and Film environment and develop news and feature broadcasts for use throughout the school. Competencies will be obtained in a laboratory setting on the school campus. Topics include: Production; Communication Skills; and Professional Ethics. Skills USA-VICA and the Georgia Scholastic Press Association are appropriate organizations for providing leadership training and for reinforcing specific career and technical skills and are considered an integral part of the instructional program.
Prerequisite	Audio-Video Technology and Film I, and Audio-Video Technology and Film II

Course Title	Broadcast Video Production Applications 0475
Course Number	3177
Course Description	This course is designed to allow the student to participate in an Audio & Video Technology and Film environment and develop news and feature broadcasts for use throughout the school. Competencies will be obtained in a laboratory setting on the school campus. Topics include: Production; Communication Skills; and Professional Ethics. Skills USA-VICA and the Georgia Scholastic Press Association are appropriate organizations for providing leadership training and for reinforcing specific career and technical skills and are considered an integral part of the instructional program.
Prerequisite	Audio-Video Technology and Film I, and Audio-Video Technology and Film II

Course Title	Introduction to Graphics and Design – Academy for Advanced Studies only
Course Number	3179
Course Description	The Graphics and Design course provides students with the processes involved in the technologies of printing, publishing, packaging, electronic imaging, and their allied industries. In addition, the Graphics and Design course offers a range of cognitive skills, aesthetics, and crafts that includes typography, visual arts, and page layout.
Prerequisite	None

Course Title	Graphics Design & Production – Academy for Advanced Studies only
Course Number	3181
Course Description	This course builds on knowledge and skills learned in the Introduction to Graphics and Design course and focuses on procedures commonly used in the graphic communication and design industries. Students will gain more experience in creative problem solving and the practical implementation of those solutions across multiple areas of graphic design and graphic communications.
Prerequisite	Introduction to Graphics and Design

Course Title	Advanced Graphic Design – Academy for Advanced Studies only
Course Number	3185

Course Description	Students will continue to explore the principles of design and layout procedures as they relate to the field of graphic design in an increasingly independent manner from direct teacher control. Content will cover electronic systems and software programs used in graphic design, page composition, image conversion, and digital printing. Knowledge and skills in digital design and imaging will be enhanced through experiences that simulate the graphic design industry and school-based and work-based learning opportunities.
Prerequisite	Introduction to Graphics and Design and Graphics Design & Production

Course Title	Advanced Graphic Output Processes – Academy for Advanced Studies only
Course Number	3183
Course Description	Students will gain more advanced levels of experience to complete the output processes of various projects in an increasingly independent manner. Students also learn to manage the output and completion process as a whole including customer relations management, printing, finishing, and binding. Students will continue to accumulate work samples that will constitute their personal portfolio. Upon successful completion of the course, students are prepared to move into employment or a post-secondary educational environment where self-motivation and a high level of skill are expected.
Prerequisite	Introduction to Graphics and Design and Graphics Design & Production

Business Management and Administration Cluster Courses

Course Title	Introduction to Business and Technology
Course Number	0200
Course Description	The course is designed for high school students as an overview of business and technology skills required for today's business environment. Knowledge of business principles, the impact of financial decisions, and technology proficiencies demanded by business combine to establish the elements of this course. Emphasis is placed on developing proficient fundamental computer skills required for all career pathways. Students will learn essentials for working in a business environment, managing a business, and owning a business. The intention of this course is to prepare students to be successful both personally and professionally in an information-based society. Students will not only understand the concepts, but apply their knowledge to situations and defend their actions/decisions/choices through the knowledge and skills acquired in this course. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organization, Future Business Leaders of America (FBLA), are integral components of both the employability skills standards and content standards for this course.\.
Prerequisite	None

Course Title	Legal Environment of Business
Course Number	0202
Course Description	Students will get an overview of business law while concentrating on the legal aspects of business ownership and management. Legal issues addressed include court procedures, contracts, torts, consumer law, employment law, environmental law, international law, ethics, and the role of the government in business. Students will not only understand the concepts, but will also apply their knowledge to situations and defend their actions, decisions, and choices.
Prerequisite	Introduction to Business and Technology

Course Title	Entrepreneurship
Course Number	2684
Course Description	This course concentrates on the management skills necessary for successful business operation. Students will study management strategies for developing and implementing business plans; structuring the organization; financing the organization; and managing information, operations, marketing and human resources. International business principles are infused in the standards for Entrepreneurial Ventures. An integral component of the Entrepreneurial Ventures course is a school-based or community-based entrepreneurial venture that will engage students in the creation and management of a business and the challenges of being a small business owner. Mastery of these standards through project-based learning and leadership development activities of Future Business Leaders of America (FBLA) will help prepare students with a competitive edge for the global marketplace. .
Prerequisite	Introduction to Business and Technology and Legal Environment of Business

Education and Training Cluster Courses

Course Title	Early Childhood Education I
Course Number	2480
Course Description	The Early Childhood Education I course is the foundational course under the Early Childhood Care & Education pathway and prepares the student for employment in early childhood education and services. The course addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children.
Prerequisite	None

Course Title	Early Childhood Education II
Course Number	2717
Course Description	This course further prepares the student for employment in early childhood care and education services. The course provides a history of education, licensing and accreditation requirements, and foundations of basic observation practices and applications. Early childhood care, education, and development issues are also addressed and include health, safety, and nutrition education; certification in CPR/First Aid/Fire Safety; information about child abuse and neglect; symptoms and prevention of major childhood illnesses and diseases; and prevention and control of communicable illnesses.
Prerequisite	Early Childhood Education I

Course Title	Early Childhood Education III
Course Number	2719
Course Description	Early Childhood Education III is the third course in the Early Childhood Care & Education pathway and one option for program completers who may not have the opportunity of participating in the Early Childhood Education Practicum. The course provides in-depth study of early brain development and its implications for early learning, appropriate technology integration, and developmentally appropriate parenting and child guidance trends. Also addressed are collaborative parent/teacher/child relationships and guidance, child directed play, the changing dynamics of family culture and diversity, the causes and effects of stress on young children, and infant nutrition.
Prerequisite	Early Childhood Education I and Early Childhood Education II

Course Title	Early Childhood Education Practicum – Academy for Advanced Studies only
Course Number	2721
Course Description	The practicum offers a candidate in the Early Childhood Education career pathway a field experience under the direct supervision of a certified early childhood educator (mentor). This field experience may be used as partial requirements for the candidate to earn the nationally recognized CDA credential. The practicum stresses observing, analyzing, and classifying activities of the mentor and comparing personal traits with those of successful early childhood educators. The candidate intern will develop a portfolio of their skills, plan and teach a lesson or lessons, understand and practice confidentiality as it pertains to the teaching profession, meet the needs of students with special needs, maintain the safety of the students, practice professionalism, and demonstrate ethical behavior.
Prerequisite	Early Childhood Education I and Early Childhood Education II

Course Title	Examining the Teaching Profession – Academy for Advanced Studies only
Course Number	0011
Course Description	Examining the Teaching Profession prepares candidates for future positions in the field of education. Teaching Profession candidates study, apply, and practice the use of current technologies, effective teaching and learning strategies, the creation of an effective learning environment, the creation of instructional opportunities for diverse learners and students with special needs, and plan instruction based on knowledge of subject matter, students, community, and curriculum performance standards.
Prerequisite	None

Course Title	Contemporary Issues in Education - Academy for Advanced Studies only
Course Number	0014
Course Description	This course engages the candidate in observations, interactions, and analyses of critical and contemporary educational issues. The candidate will investigate issues influencing the social and political contexts of educational settings in Georgia and the United States and actively examine the teaching profession from multiple vantage points both within and outside of the school. Against this backdrop, the candidate will reflect on and interpret the meaning of education and schooling in a diverse culture and examine the moral and ethical responsibilities of teaching in a democracy.
Prerequisite	Examining the Teaching Profession

Course Title	Teaching as a Profession Practicum - Academy for Advanced Studies only
Course Number	0016
Course Description	The practicum offers a candidate in the Teaching as a Profession career pathway a field experience under the direct supervision of a certified teacher (mentor teacher). The internship stresses observing, analyzing, and classifying activities of the mentor teacher and comparing personal traits with those of successful teachers. The candidate intern will develop a portfolio of their skills, plan and teach a lesson or lessons, understand and practice confidentiality as it pertains to the teaching profession, meet the needs of special education students, maintain the safety of the students and practice professionalism and ethical behavior. .
Prerequisite	Examining the Teaching Profession and Contemporary Issues in Education

Energy Cluster Courses

Course Title	Foundations of Energy Technologies – Academy for Advanced Studies only
Course Number	3191
Course Description	This introductory course is designed to allow students to develop a broad understanding of the energy industry including infrastructure, generation, transmission and distribution of nonrenewable, renewable, and inexhaustible energy sources. Energy sources will be researched to include the regional and global economic implications, environmental, and sustainability issues. Students will explore future trends of energy and power. Students will develop, through research, an alternative energy system that will demonstrate their understanding of a unique, as well as appropriate, approach to energy and power generation.
Prerequisite	None

Course Title	Energy and Power: Generation, Transmission, & Distribution – Academy for Advanced Studies only
Course Number	2946
Course Description	In this course, students will continue to learn about energy and power industry fundamentals by furthering their knowledge regarding electric power generation, transmission and distribution. In addition, the students will gain knowledge about business models, regulations, and safety within the energy industry.
Prerequisite	Foundations of Energy Technologies

Course Title	Energy Systems Applications – Academy for Advanced Studies only
Course Number	2948
Course Description	This course explores the relationship between force, work, energy, and power. Students study the characteristics, availability, conversion, control, transmission, and storage of energy and power, as well as examine and apply the principles of electrical, fluid, and mechanical power. Students research renewable, non-renewable, and inexhaustible resources and conservation efforts. Using their course-acquired skills, students will further understand the many careers that exist in energy and related technologies.
Prerequisite	Foundations of Energy Technologies and Energy and Power Technology

Finance Cluster Courses

Course Title	Introduction to Business and Technology
Course Number	0200
Course Description	The course is designed for high school students as an overview of business and technology skills required for today's business environment. Knowledge of business principles, the impact of financial decisions, and technology proficiencies demanded by business combine to establish the elements of this course. Emphasis is placed on developing proficient fundamental computer skills required for all career pathways. Students will learn essentials for working in a business environment, managing a business, and owning a business. Students will not only understand the concepts, but apply their knowledge to situations and defend their actions/decisions/choices through the knowledge and skills acquired in this course. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organization, Future Business Leaders of America (FBLA), are integral components of both the employability skills standards and content standards for this course. Various forms of technologies will be highlighted to expose students to the emerging technologies impacting the business world. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are taught in this course as a foundational knowledge to prepare students to be college and career ready.
Prerequisite	None

Course Title	Financial Literacy
Course Number	0189
Course Description	Areas of study taught through application in personal finance including sources of income, budgeting, banking, consumer credit, credit laws and rights, personal bankruptcy, insurance, spending, taxes, investment strategies including savings accounts, mutual funds and the stock market, buying a vehicle, and living independently. Based on the hands-on skills and knowledge applied in this course, students will experience developing financial goals, creating realistic and measurable objectives to be MONEY SMART! Financial literacy places great emphasis on problem solving, reasoning, representing, connecting and communicating financial data throughout this course.
Prerequisite	Introduction to Business & Technology

Course Title	Principles of Accounting I
Course Number	0102
Course Description	Students perform accounting activities for sole proprietorships and corporations following generally accepted accounting procedures. Students analyze business transactions and financial statements, perform payroll, examine the global perspective of accounting, and evaluate the effects of transactions on the economic health of a business. Competencies for the co- curricular student organization Future Business Leaders of America (FBLA) are integral components of the performance standards. FBLA activities should be incorporated throughout instructional strategies developed for the course.
Prerequisite	Introduction to Business & Technology and Financial Literacy

Course Title	Accounting and Banking – Academy for Advanced Studies only
Course Number	0104
Course Description	Students perform accounting activities for sole proprietorships and corporations following generally accepted accounting procedures. Students analyze business transactions and financial statements, perform payroll, examine the global perspective of accounting, and evaluate the effects of transactions on the economic health of a business. Students will also integrate the skills and practices that undergird our banking system.
Prerequisite	Introduction to Business & Technology and Financial Literacy

Course Title	Accounting and Investing – Academy for Advanced Studies only
Course Number	0105
Course Description	Students build on the knowledge acquired in Principles of Accounting I as they further their studies in accounting. Students perform accounting activities for partnerships and corporations following generally accepted accounting procedures. Uncollectible accounts, plant assets, inventory, notes payable and receivable, prepared and accrued expenses, and unearned and accrued revenues are analyzed and related adjustments are calculated. Students apply accounting procedures to the formation, dissolution, and liquidation of business entities. In addition, students apply managerial accounting techniques. Competencies for the co-curricular student organization Future Business Leaders of America (FBLA) are integral components of the performance standards. FBLA activities should be incorporated throughout instructional strategies developed for the course.
Prerequisite	Introduction to Business & Technology, Financial Literacy, Accounting and Banking

Course Title	Banking, Investing and Insurance
Course Number	2670
Course Description	Explore the financial world as students dive into the main areas of financial services: banking, investing, and insurance. Basics of banking and credit including a brief history of money and banking, negotiable instruments, creation of credit, and the function of banks are explored. Methods for measuring the financial performance of financial institutions are analyzed. Students will be introduced to a variety of investment options and learn to determine the appropriate options for an investment goal. By analyzing financial reports and employing other tools to predict growth rates and return on investment, students will develop strategies to produce financial growth strategies for a business. Through projects students will determine the risks faced by individuals and businesses and decide on the proper risk management techniques to mitigate those risks. Investigating both personal and business insurance products and deciding which products are suitable for a specific customer profile. Ethical issues and case students involved in the financial services industry will be used to determine how industry regulations are developed. An investigation of careers in the financial services industry will be explored throughout this course.
Prerequisite	Introduction to Business & Technology and Financial Literacy

Government and Public Administration Cluster Courses

Course Title	JROTC Navy I – Located at AAS, ELHS, HCHS, LHS, SHS, and UGHS
Course Number	5012
Course Description	This course combines all information on military drill and ceremonies, uniform regulations, physical fitness, orienteering, principles of health, first aid, survival, leadership and communications, and helps students understand the mission, goals and opportunities available as members of the NJROTC program. Students develop an understanding of our nation, our values, traditions, heritage, respect for our laws, and becoming informed responsible citizens. Successful completion of three courses of credit will qualify the student for advanced placement in a college ROTC program or accelerated promotion in the military service.
Prerequisite	None

Course Title	JROTC Navy II - Located at AAS, ELHS, HCHS, LHS, SHS, and UGHS
Course Number	5032
Course Description	Naval Science II further develops the traits of citizenship and leadership in students and introduces cadets to the maritime history of the world and the United States from the American Revolution up to the present time. Core technical skills that are mastered through integration include geography, oceanography, astronomy, physical science, meteorology, and weather. Successful completion of three courses of credit will qualify the student for advanced placement in a college ROTC program or accelerated promotion in the military service.
Prerequisite	JROTC Navy I

Course Title	JROTC Navy III - Located at AAS, ELHS, HCHS, LHS, SHS, and UGHS
Course Number	5052
Course Description	Third year Naval Science further develops the foundation in citizenship and leadership providing classroom and contextual application in Naval Organization and ship, an expounding upon the virtues of United States citizenship with knowledge of uses of the world's waterways through the viewpoint of National power and International law. Successful completion of three courses of credit will qualify the student for advanced placement in a college ROTC program or accelerated promotion in the military service.
Prerequisite	JROTC Navy I and JROTC Navy II

Course Title	JROTC Navy IV - Located at AAS, ELHS, HCHS, LHS, SHS, and UGHS
Course Number	5072
Course Description	In Naval Science IV students take a more in-depth look at what leadership is, learn how to maximize leadership abilities, effective communication, and draw parallels to leadership in the unit to the school, community, and life. Successful completion of three courses of credit will qualify the student for advanced placement in a college ROTC program or accelerated promotion in the military service.
Prerequisite	JROTC Navy I, JROTC Navy II, JROTC III

Course Title	JROTC Aerospace Science I– Located at DHS and OHS
Course Number	5092
Course Description	The course is designed to enable the student to sort through the key aspects of the historical development of flight and the role of the military in history. Students develop and illustrate ideas about attempts to fly in ancient civilizations throughout the world, the first record of scientific study, first flights, and the impact aviation had on the conduct of war. The course enables the students to distinguish the United States' position at wartime and how wars brought about the development of new weapons, new methods of warfare, new aircraft, more pilots, and the need for pilot training. The course is designed for students to examine the historical development of flight and the role of the military in history. Students explore the U.S. policy of containing the spread of communism and the role of air power during the Korean War, the Cuban Missile Crisis, and the Vietnam War. The students review the peaceful roles and missions in support of national objectives in which the military is involved, and the value of air power during the Persian Gulf War.
Prerequisite	None

Course Title	JROTC Aerospace Science II - at DHS and OHS
Course Number	5112
Course Description	In this course, the students identify the history, mission, purpose, goals, objectives, and importance of the Air Force Junior Reserve Officer Training Corps (AFJROTC). They develop an understanding of the importance of attitude, discipline, respect, and practice values and ethics that are so important for self-growth. The students demonstrate the importance of individual self-control and how an effective stress management program improves the quality of life. The Leadership Education portion of the course explains why courtesies are rendered to the United States flag and the National Anthem. Students model being good, democratic citizens and study different forms of governments. The students practice wellness techniques and encourage others to live healthy lifestyles. The students use first aid techniques to minimize injury and harm to themselves and others. The importance of staying well permeates their studies. Students begin to conduct basic individual drill and ceremonies demonstrations, and must adhere to establish grooming standards by exemplifying proper wearing of the United States Air Force uniform. In Drill and Ceremonies students cover the basic aspects of drill. Students learn the importance, purpose, and meaning of military drill terms, the significance of the United States Flag, positions and movements required of each individual in forming elements, flights, and squadrons and the commands to execute those positions and movements. Students also learn about the drill of the flight and squadron.
Prerequisite	JROTC Aerospace Science I

Course Title	JROTC Aerospace Science III– Located at DHS, OHS
Course Number	5132
Course Description	This course focuses on the science of flight. Students explore the aerospace environment and the human requirements of flight. Students identify the basic facts and general principles of the atmosphere and the elements of weather. Learning the weather elements and a general understanding of how all these parts interact to give us the weather is critical to understanding the aerospace environment. After developing an understanding of the environment, how environment affects flight is introduced. The students study the human circulatory system, the effects of acceleration and deceleration, and protective equipment to understand their use in the aerospace environment. The course is designed to introduce the students to the principles of aircraft flight navigation, theory of flight and basic aeronautics. The students determine why the forces of lift, weight, thrust and drag are essential to successful flight. Students practice basic navigation, including map reading, course plotting, and the effects of wind. The performance standards in this course are based on the performance standards identified in the curriculum for the United States Air Force Junior Reserve Officer Training Corps (AFJROTC). Successful completion of at least 3 units of credit of the AFROTC programs will qualify the students for advanced placement in a college ROTC program or accelerated promotion in the military service.
Prerequisite	JROTC Aerospace Science I and JROTC Aerospace Science II

Course Title	JROTC Aerospace Science IV– Located at DHS and OHS
Course Number	5152
Course Description	In leadership education, written reports and speeches compliment the course material. The students develop communications skills and participate in cadet corps activities. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects. These activities emphasize the concepts of effective communication. The course work allows students to examine themselves in relation to others, and the society in which they live. The course also builds communication and interpersonal skills. The students focus on team building to improve quality and productivity. They develop an understanding of the complexity of leadership and its contribution to mission accomplishment. Unlocking Your Potential (UYP) prepares and inspires the students to succeed in life by setting goals. It explains how setting goals and creating positive habits pave the road to success. It also helps build self-esteem and motivates the student's inner strength. It shows the students they have the potential to believe and accomplish anything they desire.
Prerequisite	JROTC Aerospace Science I, JROTC Aerospace Science II, and JROTC Aerospace Science III

Health Science Cluster Courses

Course Title	Introduction to Healthcare
Course Number	8572
Course Description	Introduction to Healthcare is the foundational course for all Health Science pathways and is a prerequisite for all other Healthcare Science pathway courses. This course will enable students to receive initial exposure to the many Healthcare Science careers as well as employability, communication, and technology skills necessary in the healthcare industry. The concepts of human growth and development, interaction with patients and family members, health, wellness, and preventative care are evaluated, as well as the legal, ethical responsibilities of today's healthcare provider. Fundamental healthcare skills development is initiated including microbiology, basic life support and first aid. This course will provide students with a competitive edge to be the better candidate for either entry into the healthcare global marketplace and/or the post-secondary institution of their choice to continue their education and training.
Prerequisite	None

Course Title	Essentials of Healthcare
Course Number	2692
Course Description	Anatomy and Physiology is a vital part of most healthcare post-secondary education programs. The Essentials of Healthcare is a medical-focused anatomy course addressing the physiology of each body system, along with the investigation of common diseases, disorders and emerging diseases. The prevention of disease and the diagnosis and treatment that might be utilized are addressed, along with medical terminology related to each system. This course provides an opportunity to demonstrate technical skills that enforce the goal of helping students make connections between medical procedures and the pathophysiology of diseases and disorders. *An additional Human Anatomy and Physiology credit of the same grade awarded for Essentials of Healthcare will be posted to the transcript.*
Prerequisite	Introduction to Healthcare

Course Title	Allied Health and Medicine
Course Number	2696
Course Description	This course is designed to offer students the opportunity to become effective and efficient multi-skilled healthcare providers as they develop a working knowledge of various allied health opportunities. Students focusing on a career path in the healthcare field may apply classroom/lab knowledge and skills in the clinical setting as they participate in direct or simulated client care. The curriculum allows instructors to provide options for classroom/student growth opportunities in area(s) of interest to the student.
Prerequisite	Introduction to Healthcare, Essentials of Healthcare and instructor approval

Course Title	Emergency Medical Responder – Academy of Advanced Studies only
Course Number	2934
Course Description	The Emergency Medical Responder (EMR) course prepares the student to provide initial stabilizing care to the sick or injured prior to the arrival of Emergency Medical Services Professionals (EMS), and to assist EMS personnel in transporting patients for definitive care at an appropriate hospital/facility. Major areas of instruction include Introductory Medical Terminology and Anatomy & Physiology; Responder Safety; Incident Command; Blood-borne Pathogen Training; Basic Physical Assessment; and Treatment of Trauma and Medical Emergencies; Cardiopulmonary Resuscitation and the use of Automatic External Defibrillators. The course is a blend of lecture, hands on lab/learning, and practical scenario based learning/testing.
Prerequisite	Introduction to Healthcare, Essentials of Healthcare and instructor approval

Course Title	Fundamentals of Exercise Physiology – Academy of Advanced Studies only
Course Number	2702
Course Description	This course is appropriate for students wishing to pursue a career in personal training or for those who desire an introduction in the field of exercise physiology. The course will enable students to perform fitness assessments, and to use data to develop exercise and training routines, fitness plans, and nutritional programs to fit the needs of clients. Personal, professional, and ethical skills, as well as the guidelines, and safety practices required within the field of personal training, will be learned and practiced.
Prerequisite	Introduction to Healthcare, Essentials of Healthcare and instructor approval

Course Title	Pharmacy Operations and Fundamentals – Academy of Advanced Studies only
Course Number	2700

Course Description	This course is an introduction to pharmacy technology professions, employment opportunities, and basic pre-pharmacy technician skills which may be utilized in either clinical or community settings such as retail, home health care, and ambulatory care pharmacies. Intensive pharmacy specific safety and security training are provided including potential drug addiction and abuse issues relative to pharmaceutical care such as robberies and identification of forgeries. Students are required to adhere to Federal Regulatory Agencies and Acts guidelines including Food, Drug, and Cosmetic Act, Controlled Substances Act (CSA), Joint Commission on Accreditation of Healthcare Organizations (JCAHO), Drug Enforcement Administration (DEA) in addition to the pharmacy regulatory agencies within the state of Georgia. Technical skills in the preparation and administration of medications are practiced in simulated clinical labs. Students must demonstrate the utilization of all professional and safety guidelines as designated by applicable Federal and State regulatory agencies and acts such as the Drug Enforcement Administration (DEA) and the Controlled Substance Act while performing simulations. The impact of pharmaceuticals on the provision of healthcare and the importance of client education are integrated throughout thecourse.
Prerequisite	Introduction to Healthcare, Essentials of Healthcare and instructor approval

Course Title	Diagnostics Phlebotomy – Academy of Advanced Studies only
Course Number	2698
Course Description	This course is designed to help students be prepared for the phlebotomy technician certification exam, upon completion of all required components. Topics covered in this course include: employability skills, careers, terminology and equipment, safety and compliance, quality assurance, site specific anatomy, patient preparation for venipuncture, performing venipuncture, and special processing and transport. During this course, simulated venipuncture may be performed. However, for national certification, live sticks are required. If school systems choose not to allow live sticks during this course, the certifying agencies may choose to allow a provisional certification with the live stick requirement being completed after high school graduation.
Prerequisite	Introduction to Healthcare, Essentials of Healthcare and instructor approval

Course Title	Principles of Sports Medicine – Academy of Advanced Studies only
Course Number	2704
Course Description	The course is appropriate for students who wish to pursue a career in healthcare with a focus on the musculoskeletal system, injury assessment, injury prevention, or rehabilitation including careers in Sports Medicine and Rehabilitative Services. This course will enable students to receive initial exposure to therapeutic services skills and attitudes applicable to the healthcare industry. The concepts of anatomy and physiology, assessment, preventative and rehabilitative care are introduced. Fundamental healthcare skills development is initiated, including medical terminology, kinesiology, patient assessment, record keeping, and basic life support.
Prerequisite	Introduction to Healthcare, Essentials of Healthcare and instructor approval

Course Title	Surgical Tech I – Academy of Advanced Studies only
Course Number	2936
Course Description	The goal of this course is to provide fundamental surgical technician skills and knowledge to include the knowledge, skills, and attitudes necessary to succeed in the Surgical Technology profession including safety, infection control, pharmacology, surgical equipment, perioperative procedures, instruments and sterilization. Students will have the opportunity to explore careers in the operating room and the education required at each level.
Prerequisite	Introduction to Healthcare, Essentials of Healthcare and instructor approval

Course Title	Essentials of Health IT – Academy of Advanced Studies only
Course Number	2940
Course Description	Health IT is a growing and expanding industry in our state and across the country. This course takes an overall look at the current state of healthcare in the United States. Students will analyze the larger role that technology and information technology will play in our healthcare system, the impact that technology has on the healthcare field and what careers will be available due to these changes. Terminology utilized in Health IT including Electronic Medical Records (EMR), Electronic Health Records (EHR), Health Informatics, and Health Information Management (HIM) will be discussed. The impact of American Recovery and Reinvestment Act (ARRA), Health Information Technology for Economic and Clinical Health Act (HITECH), and future legislation act will be evaluated. Students will also investigate the advancement of mobile technology (mhealth) and telemedicine, and the benefits of its use.
Prerequisite	Introduction to Healthcare

Course Title	Applications of Health IT – Academy of Advanced Studies only
Course Number	2940
Course Description	In this course, students will analyze the three main groups of HIT applications in hospitals and the clinical functions. The importance of patient confidentiality and security will be analyzed. The challenges with the Health Information Exchange implementation will be evaluated. Students will research the HIT project life cycle and HIT project management components and stages. Further exploration of telemedicine and theuse of electronic health records will be demonstrated in this course.
Prerequisite	Introduction to Healthcare, Essentials of Health IT

Hospitality and Tourism Cluster Courses

Course Title	Introduction to Culinary Arts –Academy for Advanced Studies only
Course Number	2420
Course Description	Introduction to Culinary Arts is a course designed to introduce students to fundamental food preparation terms, concepts, and methods in Culinary Arts where laboratory practice will parallel class work. Fundamental techniques, skills, and terminology are covered and mastered with an emphasis on basic kitchen and dining room safety, sanitation, equipment maintenance and operation procedures. Course also provides an overview of the professionalism in the culinary industry and career opportunities leading into a career pathway to Culinary Arts.
Prerequisite	None

Course Title	Culinary Arts I –Academy for Advanced Studies only
Course Number	2422
Course Description	Culinary Arts I is designed to create a complete foundation and understanding of Culinary Arts leading to post-secondary education or a foodservice career. Building from techniques and skills learned in Foundation of Culinary Arts, this fundamentals course begins to involve in- depth knowledge and hands on skill mastery of Culinary Arts.
Prerequisite	Introduction to Culinary Arts

Course Title	Culinary Arts II –Academy for Advanced Studies only
Course Number	2424
Course Description	Culinary Arts II is an advanced and rigorous in-depth course designed for the student who has continued the Culinary Arts Pathway and wishes to continue their education at the post- secondary level or enter the foodservice industry as a proficient and well-rounded individual. Strong importance is given to refining hands on production of the classic fundamentals in the commercial kitchen.
Prerequisite	Introduction to Culinary Arts and Culinary Arts I

Human Services Cluster Courses

Course Title	Introduction to Personal Care - Academy for Advanced Studies only
Course Number	8174
Course Description	This course introduces both fundamental theory and practices of the personal care professions including nail technicians, estheticians, barbers, and cosmetologists. Emphasis will be placed on professional practices and safety. Areas addressed in this course include: state rules and regulations, professional image, bacteriology, decontamination and infection control, chemistry fundamentals, safety, Hazardous Duty Standards Act compliance, and anatomy and physiology. Students will experience basic hands on skills in each area to help them determine the pathway they are most interested in pursuing. By completing courses in the personal care services pathways, students can potentially earn credit toward the hours required by the Georgia State Board of Barbering and/or Cosmetology or hours toward their license as an esthetician or nail technician.
Prerequisite	None

Course Title	Cosmetology II - Academy for Advanced Studies
Course Number	3187
Course Description	This course, as well as additional advanced cosmetology courses, aligns with the Georgia State Board of Cosmetology requirements and licensure as well as with the Technical College System of Georgia. This course is designed to enhance the understanding of anatomy of the skin and hair and how it relates to the Cosmetology Industry. Students will master shampooing, permanent waving, haircutting, basic skin care and make-up application while maintaining safety and sanitation in the workplace set forth by OSHA standards.
Prerequisite	Introduction to Personal Care

Course Title	Cosmetology III - Academy for Advanced Studies
Course Number	3189
Course Description	This course will cover haircutting, hair color, and relaxers. Both theory and practical work will be implemented for students to have basic entry level skills in the field of cosmetology. Safety and infection control will be applied throughout this course. Professional work ethics, communication skills, critical thinking skills, soft skills and professional image will be utilized during this course. This course aligns to the regulations and requirements of the State Board of Cosmetology.
Prerequisite	Introduction to Personal Care and Cosmetology II

Course Title	Food, Nutrition, & Wellness
Course Number	2493
Course Description	Food, Nutrition and Wellness is the foundational course in the nutrition and food science pathway. The focus of the course is centered on healthy food and lifestyle choices. Students will investigate the interrelationship of food, nutrition and wellness to promote good health. Mastery of standards through project-based learning, technical skills practice, and leadership development activities of Family, Career and Community Leaders of America (FCCLA) will provide students with a competitive edge for either entry into the education global marketplace and/or the post-secondary institution of their choice to continue their education and training.
Prerequisite	None

Course Title	Food for Life
Course Number	2709
Course Description	Food for Life is an advanced course in food and nutrition that addresses the variation in nutritional needs at specific stages of the human life cycle: pregnancy, lactation, infancy, childhood, adolescence, and adulthood, including old age. The most common nutritional concerns, their relationship to food choices and health status, and strategies to enhance well-being at each stage of the life cycle are emphasized. This course provides knowledge for real life and offers students a pathway into dietetics, consumer food, and nutrition science careers with additional education at the post-secondary level.
Prerequisite	Food, Nutrition and Wellness

Course Title	Food Science
Course Number	2497
Course Description	Food Science integrates many branches of science and relies on the application of the rapid advances in technology to expand and improve the food supply. Students will evaluate the effects of processing, preparation, and storage on the quality, safety, wholesomeness, and nutritive value of foods. Building on information learned in Nutrition and Wellness and Chemistry, this course illustrates scientific principles in an applied context, exposing students to the wonders of the scientific world. Careers in food production and handling will be explored.
Prerequisite	Food, Nutrition & Wellness and Food for Life

Information Technology Cluster Courses

Course Title	Introduction to Digital Technology
Course Number	2592
Course Description	Introduction to Digital Technology is the foundational course for Web & Digital Communications, Programming, and Advanced Programming pathways. This course is designed for high school students to understand, communicate, and adapt to a digital world as it impacts their personal life, society, and the business world. Exposure to foundational knowledge in hardware, software, programming, web design, IT support, and networks are all taught in a computer lab with hands-on activities and project focused tasks. Students will not only understand the concepts, but apply their knowledge to situations and defend their actions/decisions/choices through the knowledge and skills acquired in this course. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organization, Future Business Leaders of America (FBLA), are integral components of both the employability skills standards and content standards for this course. Various forms of technologies will be highlighted to expose students to the emerging technologies impacting the digital world. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are taught in this course as a foundational knowledge to prepare students to be college and career ready. The knowledge and skills taught in this course build upon each other to form a comprehensive introduction to digital world.
Prerequisite	None

Course Title	Computer Science Principles
Course Number	2628
Course Description	This course emphasizes the content, practices, thinking and skills central to the discipline of computer science. Through both its content and pedagogy, this course aims to appeal to a broad audience. The focus of this course will fall into these computational thinking practices: connecting computing, developing computational artifacts, abstracting, analyzing problems and artifacts, communicating, and collaborating.
Prerequisite	Introduction to Digital Technology

Course Title	AP Computer Science
Course Number	4890
Course Description	The AP Computer Science "A" course is designed to provide students with a learning experience equivalent to that of an introductory college course in Computer Science. The AP Computer Science A course emphasizes object-oriented programming using the Java programming language with a concentration on problem solving and algorithm development, and includes the study of data structures, design, and abstraction. Other topics covered include an overview of the history of computing, basics of computing systems, ethics in computing, syntax/semantics in Java, subroutines, selection, repetition, classes, and their methods, and an introduction to the GridWorld Case Study. The GridWorld case study provides a graphical environment in which students can experiment with different types of objects and observe how programming changes will affect the behavior of those objects. It is a required part of the AP Computer Science A curriculum. This is a two-semester course that will culminate in the AP Examination in Computer Science A.
Prerequisite	Introduction to Digital Technology and Computer Science Principles

Course Title	Programming, Apps, and Society
Course Number	2638
Course Description	The course is designed for high school students to strategize, design, and develop games and mobile and desktop applications that can be produced in the real world. Students will learn about life-cycles of project development and use models to develop applications. Attention will be placed on how user interfaces affect the usability and effectiveness of a game or an application. Programming constructs will be employed which will allow students' applications to interact with "real world," stimuli. The course exposes students to privacy, legality, and security considerations with regards to the software industry.
Prerequisite	Introduction to Digital Technology and Computer Science Principles

Course Title	Introductory to Cybersecurity – Academy for Advanced Studies only
Course Number	2640
Course Description	This course examines how the concept of security integrates into the importance of user involvement, security training, ethics, and trust, application of cybersecurity practices and devices, and best practices management. The fundamental skills cover internal and external threats to network security and design, how to inforce network level security policies, how to protect an organization's information, and a broad range of other topics. Students will operate in a virtual network environment during this course.
Prerequisite	Introduction to Digital Technology

Course Title	Advanced Cybersecurity – Academy for Advanced Studies only
Course Number	2641
Course Description	This course explores the field of cybersecurity with updated content including new innovations in technology and methodologies. It builds on existing contents introduced in Introduction to Cybersecurity and expands into malware threats, cryptography, organizational security, and wireless technologies. Students will conduct risk assessments and learn network protocols. Students will operate in a virtual network environment during this course.
Prerequisite	Introduction to Digital Technology and Intro to Cybersecurity

Course Title	IT Essentials – Academy for Advanced Studies only
Course Number	2662
Course Description	Students taking this course will develop a skill set to solve computer problems, perform preventive maintenance, and explain functions of purposes of computer elements. Existing in a world full of computer technology, students will gain practical experience in assembling a computer system, installing an operating system, troubleshooting computers and peripherals, and using system tools and diagnostic software.
Prerequisite	Introduction to Digital Technology

Course Title	IT Support – Academy for Advanced Studies only
Course Number	2664
Course Description	How do you make the device work? Students will apply Information Technology Essentials skills to diagnose and correct computer problems. By building knowledge and skill, students will install, build, upgrade, repair, configure, troubleshoot, and perform preventative maintenance on computer hardware, operating systems, laptops and portable devices. Practical and hands-on experience of troubleshooting and maintenance will allow students to demonstrate mastery of skills.

Prerequisite	Introduction to Digital Technology and IT Essentials

Course Title	Networking Fundamentals – Academy for Advanced Studies only
Course Number	2680
Course Description	This course is designed to provide students with the background necessary to understand the local area networking information on workstations and networking. Students will learn the processes involved in designing, implementing, upgrading, managing, and otherwise working with networks and network technologies.
Prerequisite	Introduction to Digital Technology

Course Title	Networking Systems and Support – Academy for Advanced Studies only
Course Number	2682
Course Description	Students will apply a variety of fundamental skills utilized in entry-level computer network systems administration positions. Exposure to various aspects of network hardware and software maintenance and monitoring, configuring and supporting a local area network (LAN) and a wide area network (WAN), Internet systems and segments of network systems will allow students to develop a strong knowledge base for networking systems and support. Students will be involved in designing, implementing, upgrading, managing, and working with networks and network technologies.
Prerequisite	Introduction to Digital Technology and Networking Fundamentals

Course Title	Game Design: Animation & Simulation – Academy for Advanced Studies only
Course Number	2688
Course Description	Students will gain an understanding of the fundamental principles used at every stage of the game creation process. Topics include: game genres and modes of play, virtual characters and non-player characters, level design, storytelling, and animation, and the understanding of player motivation and augmented reality.
Prerequisite	Introduction to Digital Technology and Computer Science Principles

Law, Public Safety, Corrections and Security Cluster Courses

Course Title	Introduction to Law, Public Safety, Corrections, and Security
Course Number	8527
Course Description	Introduction to Law, Public Safety, Corrections, and Security (LPSCS) is the pre-requisite for multiple pathways within the Career Cluster. This course provides students with career focused educational opportunities in various LPSCS fields. It examines the basic concepts of law related to citizens' rights and the responsibilities, and students will receive instruction in critical skill areas including: communicating with diverse groups, conflict resolution, ethics, CERT (Citizens Emergency Response Training, or similar program), basic firefighting, report writing, terrorism, civil and criminal law. Career planning and employability skills will be emphasized.
Prerequisite	None

Course Title	Criminal Justices Essentials
Course Number	2723
Course Description	Criminal Justice Essentials provides an overview of the criminal justice system. Starting with historical perspectives of the origin of the system, the course then reviews the overall structure. Students will then be immersed in criminal and constitutional law. Then the course gives students a review of basic law enforcement skills. The course ends with a mock trial to provide the participants with a firsthand experience of the criminal justice system.
Prerequisite	Introduction to Law, Public Safety, Corrections, and Security

Course Title	Criminal Investigations and Forensic Science
Course Number	2725
Course Description	Forensic Science and Criminal Investigations is a course designed to contextualize scientific principles within the career studies of students interested in criminal justice. Students will study the forensic application of principles of chemistry, biology, physics and other disciplines. Students will utilize chromatography, electrophoresis, microscopic observation and other scientific techniques in their studies. Students will also learn some investigative techniques and crime scene investigation skills all through the lens of the scientific method.
Prerequisite	Introduction to Law, Public Safety, Corrections, and Security and Criminal Justices Essentials

Course Title	Introduction to Fire and Emergency Services- Academy for Advanced Studies only
Course Number	TBD
Course Description	Introduction to Fire and Emergency Services is the pre-requisite for the Firefighting pathway. This course provides students with career focused educational opportunities in various firefighting fields. It examines the basic concepts of law related to citizens' rights and the responsibilities, and students will receive instruction in critical skill areas affecting many careers including firefighting, emergency medial responder, and public safety communications. Career planning and employability skills will be emphasized.
Prerequisite	None

Course Title	Essentials of Fire & Emergency Services – AAS only
Course Number	TBD
Course Description	This course addresses the essential components needed for fire and emergency services. Students will explore career options, interagency communications, medical services, and basic firefighting standards.
Prerequisite	Introduction to Fire and Emergency Services

Course Title	Applications of Firefighting – AAS only
Course Number	TBD
Course Description	This course, along with the preprequisite courses, is designed to meet the requirements of NFPA 101, Fire Fighter I. After completing this course, the student will be able to sit for exam to certify as a Firefighter I, per National Fire Protection Association (NFPA) 1001, Standard for Fire Fighter Professional Qualifications. This course is also based on the Basic Firefighting Training Program from the GA Public Safety Training Center. This course requires strenuous physical activity.
Prerequisite	Introduction to Fire and Emergency Services and Essentials of Fire & Emergency Services

Course Title	Emergency Medical Technician – Basic Level – AAS only
Course Number	TBD
Course Description	Emergency Medical Technician – Basic Level will prepare students to earn certification through Henry County Fire Department in Basic Level – Emergency Medical Technician. Successful participants of this course should be equipped to pursue immediate employment with the fire department, hospitals and Emergency Medical Services. This course is offered through a partnership with HCFD and may have costs associated with required uniforms, supplies, and CPR certification.
Prerequisite	Intro to Fire & Emergency Services, Essentials of Fire & Emergency Services, and Applications of

Manufacturing Cluster Courses

Course Title	Introduction to Mechatronics: DC Theory, Pneumatic Systems, and Programmable Logic Controllers – Academy for Advanced Studies only
Course Number	2711
Course Description	By completing this course, students will be introduced to direct current concepts and applications, pneumatic system fundamentals, and programmable logic controllers (PLCs). Topics include, but are not limited to, electrical laws and principles, magnetism, series, parallel, and simple combination DC circuits, pneumatic system principles and components, and PLC installation and programming. Theory and practical application concepts are discussed and illustrated through labs. Furthermore, this course introduces students to the operational theory, systems terminology, installation, and programming procedures for PLCs. Emphasis is placed on PLC programming, connections, installation, and start-up procedures. Other topics include timers and counters, relay logic instructions, and hardware and software applications.
Prerequisite	None

Course Title	AC Theory, Electric Motors, and Hydraulic Systems – Academy for Advanced Studies only
Course Number	2713
Course Description	This course further expands the student's knowledge and understanding of Mechatronics through introducing students to: alternating current theory and applications of varying sine wave voltages and current, inductance and capacitance, motor theory and operating principles, control devices, symbols and schematic diagrams, preventative maintenance and troubleshooting, and hydraulic system principles and components. Theory and practical application concepts are discussed and illustrated through labs.
Prerequisite	Introduction to Mechatronics – DC Theory, Pneumatic Systems, and Programmable Logic Controllers

Course Title	Semiconductors, Mechanical Systems, Pump and Piping Systems – Academy for Advanced Studies only
Course Number	2715
Course Description	By completing this course, students will be introduced to electronics theory, mechanical systems, and pump and piping systems. Topics include, but are not limited to, diodes and amplifiers, semiconductor fundamentals, mechanical drives, measurement processes and techniques, maintenance tools, manufacturing processes, bearing design and application, and pump and piping systems. Theory and practical application concepts are discussed and illustrated through labs.
Prerequisite	Introduction to Mechatronics – DC Theory, Pneumatic Systems, and Programmable Logic Controllers, and AC Theory, Electric Motors, and Hydraulic Systems

Marketing Cluster Courses

Course Title	Marketing Principles
Course Number	3001
Course Description	Marketing Principles addresses all the ways in which marketing satisfies consumer and business needs and wants for products and services. Students develop a basic understanding of Employability, Foundational and Business Administration skills, Economics, Entrepreneurship, Financial Analysis, Human Resources Management, Information Management, Marketing, Operations, Professional Development, Strategic Management, and Global Marketing strategies. Instructional projects with real businesses, School-Based Enterprises, and DECA application experiences should be incorporated in this course.
Prerequisite	None

Course Title	Marketing & Entrepreneurship
Course Number	2727
Course Description	Marketing and Entrepreneurship begins an in-depth and detailed study of marketing while also focusing on management with specific emphasis on small business ownership. This course builds on the theories learned in Marketing Principles by providing practical application scenarios which test these theories. In addition, Marketing and Entrepreneurship focuses on the role of the supervisor and examines the qualities needed to be successful.
Prerequisite	Marketing Principles

Course Title	Marketing & Management
Course Number	2729
Course Description	Students assume a managerial perspective by applying economic principles in marketing, analyzing operation's needs, examining channel management and financial alternatives, managing marketing information, pricing products and services, developing product/service planning strategies, promoting products and services, purchasing, and professional sales. This course also deals with global marketing in that students analyze marketing strategies employed in the United States versus those employed in other countries.
Prerequisite	Marketing Principles and Marketing & Entrepreneurship

Course Title	Promotion and Professional Sales – Academy for Advanced Studies only
Course Number	2731
Course Description	This course focuses on the performance of key responsibilities required in a retail environment. Students develop skills in pricing, visual merchandising, advertising, special promotions, professional sales, and customer service.
Prerequisite	Marketing Principles

Course Title	Marketing Communications Essentials – Academy for Advanced Studies only
Course Number	2942
Course Description	This course focuses on the communication aspects of the business in relation to customer/consumer relationships. Students develop knowledge and skills in advertising, direct marketing, public relations, sales promotions, and digital marketing communications. Students learn how communications affects budget considerations, marketing information decision-making, and all future business opportunities.
Prerequisite	Marketing Principles and Promotion and Professional Sales

Science, Technology, Engineering and Mathematics Cluster Courses

Course Title	Foundations of Electronics - Academy for Advanced Studies only
Course Number	2650
Course Description	This foundational course is designed for students who are interested in careers related to the design, production, analysis, repair, and operation of devices that use electronics. Students will study and apply using project based learning activities the fundamentals of electricity and electronic systems including the theory and operation of how the basic components function, how a variety circuits are connected, and how to design these circuits.
Prerequisite	None

Course Title	Advanced AC and DC Circuits - Academy for Advanced Studies only
Course Number	2652
Course Description	This course is designed for advanced students who are interested in careers related to the design, production, analysis, repair, and operation of devices that use electronics. The course is designed around major individual and class projects that promote critical thinking, problem solving, and abstract reasoning. Teachers should develop units around real-life work centered situations that integrate content across the curriculum. The integrated project should provide the student with opportunities to develop and demonstrate technical, academic, cognitive, and personal competencies. Job shadowing, interviews, and internships are encouraged.
Prerequisite	Foundations of Electronics

Course Title	Digital Electronics - Academy for Advanced Studies only
Course Number	2654
Course Description	Digital Electronics is the third course in the Electronics pathway. Students have opportunities to apply prior learning in electronics to the digital world in which they live. Students use applications of mathematics and science to predict the success of an engineered solution and complete hands-on activities with tools, materials, and processes as they develop functional devices and working prototypes aided by computer simulations.
Prerequisite	*Foundations of Electronics and* Advanced AC and DC Circuits

Course Title	Foundations of Engineering & Technology
Course Number	2603
Course Description	This STEM driven course provides the students with an overview of engineering and technology including the different methods used in the engineering design process developing fundamental technology and engineering literacy. Students will demonstrate the skills and knowledge they have learned through various project based activities while using an engineering design process to successfully master the "E" in STEM.
Prerequisite	None

Course Title	Engineering Concepts
Course Number	2607
Course Description	This course introduces students to the fundamental principles of engineering. Students learn about areas of specialization within engineering and engineering design, and apply engineering tools and procedures as they complete hands-on instructional activities.
Prerequisite	Foundations of Engineering & Technology

Course Title	Engineering Applications
Course Number	2611
Course Description	Students have opportunities to apply engineering design as they develop a solution for a technological problem. Students use the application of mathematics and science to predict the success of an engineered solution and complete hands-on activities with tools, materials, and processes as they develop working drawings andprototypes.
Prerequisite	Foundations of Engineering & Technology and Engineering Concepts

Course Title	Research, Design, and Project Management
Course Number	2619
Course Description	This is the fourth course in the engineering pathway. Students conduct research and/or design an engineering project. Research strategies, prototype testing and evaluation, and communication skills are emphasized.
Prerequisite	Foundations of Engineering & Technology, Engineering Concepts, and Engineering Applications

Course Title	Introduction to Mechanical Drafting and Design - Academy for Advanced Studies only
Course Number	2602
Course Description	Emphasis is placed on safety, geometric construction, fundamentals of computer-aided drafting, and multi-view drawings. Students learn drafting techniques through the study of geometric construction at which time they are introduced to computer-aided drafting and design. The standards are aligned with the national standards of the American Design Drafting Association (ADDA).
Prerequisite	None

Course Title	Survey of Engineering Drawing – Academy for Advanced Studies
Course Number	2618
Course Description	Survey of Engineering Graphics is designed to further the development of student knowledge and skills in the Engineering Drawing and Design field. Students learn to illustrate more complex objects using the Computer-Aided Drafting (CAD) system and develop skills in dimensioning, tolerancing, pictorials, sections, auxiliary views, and intersection and developments. While the term computer-aided design (CAD) does not appear in each competency, CAD tools and software should be used extensively throughout the course. Further, the standards are aligned with the national standards of the American Design Drafting Association (ADDA).
Prerequisite	Introduction to Drafting and Design

Course Title	3D Modeling and Analysis – Academy for Advanced Studies only
Course Number	2622
Course Description	Solid Modeling is designed to further the development of student knowledge and skills in engineering and related mechanical design drafting areas. Emphasis is placed on 3-D working and assembly drawings including rendering and animation. While the term computer-aided design (CAD) does not appear in each competency, CAD tools and software should be used extensively throughout the course. Further, the standards are aligned with the national standards of the American Design Drafting Association (ADDA).
Prerequisite	Introduction to Drafting and Design and Survey of Engineering Drawing

Transportation, Distribution and Logistics Cluster Courses

Course Title	Basic Maintenance and Light Repair – Academy for Advanced Studies only
Course Number	2740
Course Description	Students in this course will learn the basic skills needed to gain employment as a maintenance and light repair technician. Students will be exposed to courses in automotive preventative maintenance and servicing and replacing brakes, and steering and suspension components. In addition, student will learn how to do general electrical system diagnosis, learn electrical theory, perform basic tests and determine necessary action. In addition, students will learn how to evacuate and recharge air-conditioning systems using the proper refrigerant.
Prerequisite	None

Course Title	Maintenance and Light Repair II – Academy for Advanced Studies only
Course Number	2742
Course Description	Students will learn the basic skills needed to gain employment as a maintenance and light repair technician and will expose students to automotive preventative maintenance and servicing, as well as replacing brakes, and steering and suspension components. Students will also learn general electrical system diagnosis, electrical theory, basic test requirements, and determining necessary action. In addition, students will learn how to evacuate and recharge air-conditioning systems using the proper refrigerant.
Prerequisite	Basic Maintenance and Light Repair

Course Title	Maintenance and Light Repair III – Academy for Advanced Studies only
Course Number	2744
Course Description	Students will learn the basic skills needed to gain employment as a maintenance and light repair technician and will expose student to automotive preventative maintenance and servicing, replacing brakes, as well as steering and suspension components. Students will learn about general electrical system diagnosis, electrical theory, basic tests that are required, and determine the necessary action. In addition, students will learn how to evacuate and recharge air-conditioning systems using the proper refrigerant.
Prerequisite	Basic Maintenance and Light Repair and Maintenance and Light Repair II

Course Title	Automotive Service Technology IV – Academy for Advanced Studies only
Course Number	2746
Course Description	Students in this major will learn the basic skills needed to gain employment as a maintenance and light repair technician. This career major will expose the student to courses in automotive preventative maintenance and servicing and replacing brakes, and steering and suspension components. They will also learn how to do general electrical system diagnosis, learn electrical theory, perform basic tests and then determine necessary action. In addition, they will learn how to evacuate and recharge air-conditioning systems using the proper refrigerant.
Prerequisite	Basic Maintenance and Light Repair, Maintenance and Light Repair II, and Maintenance and Light Repair III

Course Title	Automotive Service Technology V – Academy for Advanced Studies only
Course Number	2748
Course Description	Students will learn the basic skills needed to gain employment as a maintenance and light repair technician and will expose students to automotive preventative maintenance and servicing, as well as replacing brakes, and steering and suspension components. Students will also learn general electrical system diagnosis, electrical theory, basic test requirements, and determining necessary action. In addition, students will learn how to evacuate and recharge air-conditioning systems using the proper refrigerant.
Prerequisite	Basic Maintenance and Light Repair, Maintenance and Light Repair II, Maintenance and Light Repair III and Automotive Service Technology IV

Course Title	Automobile Service Technology VI - Academy for Advanced Studies only
Course Number	2750
Course Description	Students in this course will learn the basic skills needed to gain employment as a maintenance and light repair technician and will explore students to automotive preventative maintenance, servicing and replacing brakes, and steering and suspension components. The students will learn how to do general electrical system diagnosis, learn electrical theory, perform basic tests and determine necessary action. In addition, students will learn how to evacuate and recharge air-conditioning systems using the proper refrigerant.
Prerequisite	Basic Maintenance and Light Repair, Maintenance and Light Repair II, Maintenance and Light Repair III, Automotive Service Technology IV, and Automotive Service Technology V

Course Title	Introduction to Diesel Mechanics – Academy for Advanced Studies only
Course Number	2706
Course Description	Students in this course will learn the basic skills needed to gain employment as a diesel mechanic technician. Students will learn the basic operations of a diesel engine and learn to diagnose and repair basic issues.
Prerequisite	None

Course Title	Diesel I – Academy for Advanced Studies only
Course Number	2707
Course Description	Students in this course will expand the skills learning in Intro to Diesel Mechanics as the learning general diagnosis, theory, and operations requirements. Students will interface with diesel engines and follow curriculum similar to curriculum used by industry partners for certification in Diesel Mechanics.
Prerequisite	Introduction to Diesel Mechanics

Course Title	Diesel II – Academy for Advanced Studies only
Course Number	2708
Course Description	Students will use skills learned in the first two courses as they diagnose and repair diesel engines. Students will work closely with industry partners to ensure they have the skill level needed to obtain certification in Diesel Mechanics.
Prerequisite	Introduction to Diesel Mechanics and Diesel I

Course Title	Logistics Fundamentals - Academy for Advanced Studies only
Course Number	2752
Course Description	The Logistics Fundamentals course is the foundational course for the Distribution and Logistics pathway. Employment opportunities in the transportation, distribution, and logistics fields will be explored. In this course the student will be exposed to all areas of distribution and logistics. Basic skills in all of the above mentioned areas will be taught.
Prerequisite	None

Course Title	Logistics Operations - Academy for Advanced Studies only
Course Number	2754
Course Description	This course will introduce students to global supply chain logistics covering topics, such as the global logistics environment, the importance of planning and logistics strategies, customer service, material handling safety and operations, global supply chain operations, and quality control. Students will be instructed through the use of lecture, guided inquiry, project-based learning, and interviews with industry professionals, authentic learning experiences, teamwork, simulations, and problem solving.
Prerequisite	Logistics Fundamentals

Course Title	Materials Management- Academy for Advanced Studies only
Course Number	2756
Course Description	Materials Management is concerned with planning, organizing, and control flow of materials from their initial purchase to destination. Topics include product receiving, proper materials storage, order processing in relation to warehouse operations, packaging materials, inventory control, safe handling of hazardous materials, transportation modes, dispatch, routing and tracking operations.
Prerequisite	Logistics Fundamentals and Logistics Operations

Work-Based Learning Programs

Program Description:	Work-Based Learning (WBL) placements represent the pinnacle of the Career-Related Education experience. To qualify for a WBL placement, a student must be in grades 11 or 12 and at least 16 years old. Students must also have a defined Career, Fine Arts, World Language, or Advanced Academic Pathway in order to participate in the Work-Based component of Career- Related Education. This is especially important for cooperative education students in that their job placement is directly related to the curriculum of the pathway in which they are concurrently enrolled. There are four different opportunities for CTAE students to participate in a work-siteinstruction.
Cooperative Education	Cooperative Education, an extension of the curriculum of a Career and Technical and Agricultural Education course, is a combination of technical and academic coursework and related worksite experiences. Students earn both course credit and pay, working in jobs secured through written cooperative training agreements and plans. Application required.
Youth Apprenticeship	Youth Apprenticeship is an articulated curriculum linking secondary and post-secondary education, incorporating employer-paid experiences and related worksite learning in high-skill, high wage occupations, incorporated in formal training plans. Students earn both course credit and pay. YA programs are based on the authorization provided by O.C.G.A. Code 20-2-161.2. Application required.
Internship	Internship - An internship or practicum (synonymous terms used for two similar models) can take two different forms. The first is a one-time, short-term placement which lasts any amount of time less than what would be required to earn 1/2 or more units of credit, typically one to six weeks. An effective Internship experience should run for at least 10 hours and no more than 120 hours per semester. The second, more involved internship may last for as long as one year. It should involve the equivalent number of hours that the student would have spent in class in order to qualify for course credit. Both of these experiences, which may be either paid or unpaid, can occur only after the completion of coursework related to the placement. If the intern is functioning as an unpaid worker, whether as a short term “observer” or for a longer period in a formal internship course, he or she would not be covered by Worker’s Compensation Insurance. Application required.
Note	Students participating in Work-Based Learning are expected to be drug-free, obtain accident insurance, and are required to provide their own transportation to and from the work site. Students must also be eligible for a work permit, including a letter of good standing for school attendance.

English to Speakers of Other Languages (ESOL)
ESOL courses are only available to English Language Learners who meet the state's criteria.

Course Title	ESOL English I*
Course Number	3937
Course Description	This course focuses on interpersonal communication, school and survival skills through short responses within structured contexts and participation in simple conversations. It focuses on fundamental skills in listening, speaking, reading, and writing and includes academic vocabulary drawn from the content areas and high-frequency vocabulary for everyday living. Course content is aligned with 9th grade Literature and Composition. This course must not be scheduled in the same period as any other ESOL class. An English ESOL I class should be composed solely of English language learners who are concurrently enrolled in English I and require additional language support. This course can also be scheduled as a push in course.
Prerequisite	***DISTRICT APPROVAL REQUIRED**; Eligibility for all ESOL courses is determined according to the state of Georgia's ESOL placement guidelines and testing procedures. ESOL courses are only available to English Language Learners who meet the state's criteria.

Course Title	ESOL English II*
Course Number	3939
Course Description	In this course, students continue developing proficiency in listening, speaking, reading, and writing English with opportunities to demonstrate their emerging skills in a stress free environment. ESOL II emphasizes sustained interpersonal communication of ideas, personal and safety needs, plus cognitive-academic language proficiency. In addition to reinforcing the skills taught in ESOL I, this course introduces the writing processes. Students study literature and authentic texts. This course must not be scheduled in the same period as any other ESOL class. An English ESOL II class should be composed solely of English language learners who are concurrently enrolled in English II and require additional language support.
Prerequisite	***DISTRICT APPROVAL REQUIRED**; Eligibility for all ESOL courses is determined according to the state of Georgia's ESOL placement guidelines and testing procedures. ESOL courses are onlyavailable to English Language Learners who meet the state's criteria.

Course Title	ESOL English III*
Course Number	3950
Course Description	This course presents the English language in more complex, cognitively-demanding situations. It emphasizes comprehension of detailed information with fewer contextual clues on unfamiliar topics. Students will produce, initiate, and sustain spontaneous language interactions, using circumlocution when necessary. The course includes interactions with increasingly complex written material such as descriptive, personal narrative, and expository writing which includes grammar, mechanics, and rhetorical coherence in written assignments. This course must not be scheduled in the same period as any other ESOL class. English ESOL III is NOT equivalent to English III. See Sheltered American Literature for the course equivalent to English III.
Prerequisite	***DISTRICT APPROVAL REQUIRED**; Eligibility for all ESOL courses is determined according to the state of Georgia's ESOL placement guidelines and testing procedures. ESOL courses are only available to English Language Learners who meet the state's criteria.

Course Title	ESOL English IV*
Course Number	3960
Course Description	This course emphasizes effective oral and written communication with various audiences on a wide range of familiar and new topics. It builds comprehension of concrete and abstract topics as well as recognition of language subtleties in a variety of communicative settings. Students work to develop reading skills at or near grade level with a limited number of comprehension difficulties. The course stresses full participation at or near grade level in all content areas. Some ESOL students may need to take English IV before attempting the required American Literature course (English III) in a regular classroom. This course must not be scheduled in the same period as any other ESOL class. An English ESOL IV class should be composed solely of English language learners who are concurrently enrolled in English IV and require additional language support.
Prerequisite	***DISTRICT APPROVAL REQUIRED**; Eligibility for all ESOL courses is determined according to the state of Georgia's ESOL placement guidelines and testing procedures. ESOL courses are only available to English Language Learners who meet the state's criteria.

Course Title	ESOL Sheltered America Literature
Course Number	3972
Course Description	Sheltered American Literature is designed to lead ELL students into a deeper study of American literature and history. Focusing on a study of American Literature, the student develops an understanding of chronological context and the relevance of period structures in American Literature. The student develops anunderstanding of the ways the period of work of literature affects its structure and how the chronology of a work of literature affects its meaning. Emphasis is on reading comprehension, study skills, and techniques for strengthening writing skills. This course will incorporate both the WIDA English Language Proficiency Standards and the content standards for English Language Arts (ELA). Instruction and tasks will be differentiated to accommodate English learners. This course may be offered to fulfill the American literature core curriculum requirement and any accompanying EOC must be administered accordingly. This course must not be combined with any other ESOL class. This class should be composed solely of 11^{th} or 12^{th} grade English language learners or scheduled as a push-in course.
Prerequisite	***DISTRICT APPROVAL REQUIRED**; Eligibility for all ESOL courses is determined according to the state of Georgia's ESOL placement guidelines and testing procedures. ESOL courses are only available to English Language Learners who meet the state's criteria.

Course Title	ESOL Communication Skills I
Course Number	3956
Course Description	This introductory ESOL course is designed for Newcomer English Language Learners who have little or no English and/or little or no formal schooling. Topics for this course may range from cultural survival skills to basic English for conversation, with instruction individualized for each student's needs.
Prerequisite	Little or no English language proficiency; Eligibility for all ESOL courses is determined according to the state of Georgia's ESOL placement guidelines and testing procedures. ESOL courses are only available to English Language Learners who meet the state's criteria.

Course Title	ESOL Communication Skills II
Course Number	3958
Course	This introductory ESOL course is designed for Newcomer English Language Learners who have little or no
	ESOL Communication Skills I; Eligibility for all ESOL courses is determined according to the state of

Course Title	ESOL Oral Communication in the Content Area
Course Number	3966
Course Description	This elective course provides individualized instruction for high school English Language Learners who need support and scaffolding with the academic language of content area classes. Content area reading and listening communication skills in the English language will be stressed.
Prerequisite	None; Eligibility for all ESOL courses is determined according to the state of Georgia's ESOL placement guidelines and testing procedures. ESOL courses are only available to English Language Learners who meet the state's criteria.

Course Title	ESOL Reading & Listening in the Content Area
Course Number	3968
Course Description	This course supports and enhances literacy and listening skills necessary for success in the content areas. Guiding the course are the five basic WIDA Standards with particular emphasis on reading and listening skills in language arts, science, social studies and mathematics.
Prerequisite	None; Eligibility for all ESOL courses is determined according to the state of Georgia's ESOL placement guidelines and testing procedures. ESOL courses are only available to English Language Learners who meet the state's criteria.

Course Title	ESOL Writing in the Content Area
Course Number	3970
Course Description	This course focuses on writing across the standards of English language arts, science, mathematics, and social studies. The domains of reading, listening and speaking are integral to the writing process, both actively and critically. The content addresses all five WIDA Standards.
Prerequisite	None; Eligibility for all ESOL courses is determined according to the state of Georgia's ESOL placement guidelines and testing procedures. ESOL courses are only available to English Language Learners who meet the state's criteria.

Course Title	Communication Skills in Math
Course Number	
Course Description	This course supports and enhances literacy and listening skills necessary for success in the mathematics content areas. Guiding the course are the five basic WIDA Standards with particular emphasis on vocabulary, speaking, listening and reading skills in mathematics. The content addresses all five WIDA Standards.
Prerequisite	None; Eligibility for all ESOL courses is determined according to the state of Georgia's ESOL placement guidelines and testing procedures.

Course Title	Communication Skills in Science
Course Number	
Course Description	This course supports and enhances literacy and listening skills necessary for success in the content area of science. Guiding the course are the five basic WIDA Standards with particular emphasis on vocabulary, speaking, listening and reading skills in science. The content addresses all five WIDA Standards.
Prerequisite	None; Eligibility for all ESOL courses is determined according to the state of Georgia's ESOL placement guidelines and testing procedures.

Course Title	Communication Skills in Social Studies
Course Number	
Course Description	This course supports and enhances literacy and listening skills necessary for success in the content area of social studies. Guiding the course are the five basic WIDA Standards with particular emphasis on vocabulary, speaking, listening and reading skills in social studies. The content addresses all five WIDA Standards.
Prerequisite	None; Eligibility for all ESOL courses is determined according to the state of Georgia's ESOL placement guidelines and testing procedures.

Course Title	Reading and Writing in Science
Course Number	
Course Description	This course supports and enhances reading and writing skills in Science and provides students with strategies for reading and comprehending scientific texts. Although the primary purpose of this course enables students to develop a means of comprehension and communication in a written format, listening and speaking skills should also be developed within the context of the course syllabus.
Prerequisite	None; Eligibility for all ESOL courses is determined according to the state of Georgia's ESOL placement guidelines and testing procedures.

Course Title	Reading and Writing in Social Studies
Course Number	
Course Description	This course focuses on reading and writing in social studies and provides students with interrupted or limited formal schooling the basic skills and background preparation to enable them to successfully complete required social studies content courses. The domains of reading and writing are integral to academic success in the social studies content courses and students must learn to develop both active and critical inferential skills to ensure academic success in the social studies content courses. Although the primary purpose of this course enables students to develop a means of comprehension and communication in a written format, listening and speaking skills should also be developed within the context of the course syllabus.
Prerequisite	None; Eligibility for all ESOL courses is determined according to the state of Georgia's ESOL placement guidelines and testing procedures.

Course Title	Academic Language of Math and Science
Course Number	
Course Description	This course focuses on teaching students with interrupted or limited formal schooling to decode the specialized vocabulary, symbols and text in science and mathematics. Reading comprehension of texts, listening and comprehending lectures, and using correct scientific and mathematical terminology when speaking and writing are integral to academic success in the mathematics and science content areas. The content addresses all five WIDA Standards.
Prerequisite	None; Eligibility for all ESOL courses is determined according to the state of Georgia's ESOL placement guidelines and testing procedures.

FINE ARTS

Course Title	Comprehensive Art I-II
Course Number	1006.0/0520.0
Course Description	This course introduces art history, art criticism, aesthetic judgment and studio production. It emphasizes the ability to understand and use elements and principles of design through a variety of media, processes, and visual resources. Coursework explores master artworks for historical and cultural significance.
Prerequisite	None

Course Title	Drawing and Painting I-II
Course Number	1014.0/0546.0
Course Description	This course introduces drawing and painting techniques and a variety of drawing and painting media. It stresses critical analysis of master paintings and drawings of different styles and historical periods; emphasizes problem-solving techniques to improve techniques and mastery of materials.
Prerequisite	Completion of comprehensive Art and Art teacher's approval are required

Course Title	Ceramics/Pottery I-II
Course Number	0566.0/0568.0
Course Description	This course introduces three-dimensional design through the use of clay and other sculptural materials. It explores techniques, construction, decoration, origins, and functions of Western and non-Western three dimensional art forms. Coursework includes surface decoration, additive, subtraction, and modeling methods using traditional and non-traditional materials.
Prerequisite	Completion of Comprehensive Art and Art teacher's approval are required

Course Title	Printmaking I-II
Course Number	0552.0/0554.0
Course Description	This course introduces a variety of printmaking techniques using processes such as relief printing (monoprint, callograph block), intaglio processes (etching and engraving) and serigraphy (silkscreen films, stencils, block-out). It investigates the historical development of printmaking in Western and non-Western cultures. Emphasizes design elements and principles; introduces art criticism approach applied to fine arts prints and crafts. Coursework will explore a variety of two and three dimensional fine art crafts. Explores historical origin and use of fine arts crafts in Western and non-Western cultures.
Prerequisite	Completion of Comprehensive Art and Art teacher's approval are required

Course Title	Drawing I-II
Course Number	0542.0/0544.0
Course Description	This course introduces drawing and painting techniques and a variety of drawing and painting media. It stresses critical analysis of master paintings and drawings of different styles and historical periods; emphasizes problem-solving techniques to improve techniques and mastery of materials.
Prerequisite	Completion of Comprehensive Art and Drawing, Painting or Ceramics and Sculpture, or Printmaking and Fine Crafts are required

Course Title	Painting I-II
Course Number	0548.0/0549.0
Course Description	Painting approaches include contour, value to model form, gesture, perspective and color. Art history, critics and aesthetics are incorporated with studio production of paintings.
Prerequisite	Completion of comprehensive Art and Art teacher's approval are required.

Course Title	Photography I-II
Course Number	1031.0/0560.0
Course Description	This course is an introduction to black and white photography and darkroom processing. Students will create a photographic portfolio as they learn the technical and artistic aspects of photography. Digital photography will be included. Photo history, critiques of photos, aesthetics and design will be addressed.
Prerequisite	Completion of comprehensive Art and Art teacher's approval are required

Course Title	Sculpture I-II
Course Number	0576.0/0578.0
Course Description	This course expands upon three-dimensional design through the use of clay and other sculptural materials. It explores techniques, construction, decoration, origins, and functions of Western and non-Western three dimensional art forms. Coursework includes surface decoration, additive, subtraction, and modeling methods using traditional and non-traditional materials
Prerequisite	Completion of comprehensive Art and Art teacher's approval are required

Course Title	Advanced Placement Studio Art: Drawing
Course Number	0536
Course Description	This course is intended for the highly motivated art student who plans on pursuing a career in visual arts and provides an opportunity for advanced preparation for college. Coursework utilizes an interdisciplinary approach linking classical styles and techniques to contemporary and future media. A combination of media are used to create the portfolio for this class. A great deal of work outside of class time is required for the development of a high-quality portfolio (both two and three dimensional designs) as well as required museum visits. In addition, summer drawing assignments and the development of a sketchbook are expected.
Prerequisite	Completion of Comprehensive Art, one additional art course (with completion of two additional art courses preferred) and Art teacher's approval are required

Course Title	Advanced Placement Studio Art:2-D
Course Number	0538
Course Description	This course is intended for the highly motivated art student who plans on pursuing a career in visual arts and provides an opportunity for advanced preparation for college. Coursework utilizes an interdisciplinary approach linking classical styles and techniques to contemporary and future media. A combination of media are used to create the portfolio for this class. A great deal of work outside of class time is required for the development of a high-quality portfolio as well as required museum visits. In addition, summer drawing assignments and the development of a sketchbook are expected. A combination of photography, computer art, drawing, and painting are accepted in this portfolio
Prerequisite	Completion of AP Drawing and/or Art teacher's approval are required

Course Title	Advanced Placement Studio Art:3-D
Course Number	0540
Course Description	This course is intended for the highly motivated art student who plans on pursuing a career in visual arts and provides an opportunity for advanced preparation for college. Coursework utilizes an interdisciplinary approach linking classical styles and techniques to contemporary and future media. A combination of media are used to create the portfolio for this class. A great deal of work outside of class time is required for the development of a high-quality portfolio as well as required museum visits. In addition, summer drawing assignments and the development of a sketchbook are expected. A combination of media including, ceramic, paper, wire, stone, wood, and mixed media are used to create the three dimensional artwork in this portfolio.
Prerequisite	Completion of AP Studio Art I and/or Art teacher's approval are required

Course Title	Advanced Placement Art History
Course Number	0534
Course Description	This course is open to 11th and 12th grade students. The course will cover Western Art and Non-Western with an emphasis on Western Art. Coursework will be broken down into six weeks of Non-Western Art and the remaining time will be used to chronologically survey Western Art from Pre-Historic times to present, including modern trends and ideas in the ever changing works of art. It will combine proper historical techniques and procedures with the emphasis on the unique position and role of the artist, the work of art, and the art critic.
Prerequisite	Art teacher approval is required

Course Title	Theatre Fundamentals I-II
Course Number	0760/0762
Course Description	This course will introduce students to the history of theater, performance techniques, stage movements, improvisation, and play production. Emphasis is placed on proper use of voice and body as acting tools, and development of creative abilities and the imagination.
Prerequisite	None

Course Title	Theatre Arts/Acting I-II
Course Number	0792/0794
Course Description	This course introduces acting and theatre as disciplined art forms; covers methods to observe and understand human behavior and to use those observations to create a character. It includes basic techniques of stage movement and use of physical expression for communication. Coursework enhances vocal techniques and specific patterns for better verbal communication.
Prerequisite	Completion of Theatre Fundamentals and Theatre teacher's approval are required.

Course Title	Theatre Arts/Advanced Drama I-II
Course Number	0784/0786
Course Description	This course introduces advanced acting process. Stresses developing imagination, observation, concentration powers and self-disciple. It includes developing physical and vocal control while transmitting emotions, convictions and ideas; enhances self-confidence and self-awareness. Coursework focuses on scene study.
Prerequisite	Completion of Theatre Fundamentals and Theatre Acting courses and Theatre teacher's approval are required.

Course Title	Dramatic Arts/Musical Theatre I-II
Course Number	0768/0770
Course Description	This course introduces the student to the basic elements of music, rehearsal and performance techniques, and the history oftheatre.
Prerequisite	Permission of Instructor

Course Title	Dramatic Arts/Technical Theatre I-II
Course Number	0776/0778
Course Description	Focus will include stage and prop design. Management, lighting and directing will be explored.
Prerequisite	Permission of Instructor

Course Title	Beginning Chorus I-II
Course Number	1212/0816
Course Description	This course is an introduction to choral performance and includes performance on a limited basis. Basic skills for proper vocal production will be stressed and expanded upon. Fundamental music theory principles will be reviewed and expanded upon as well. Music history will be studied with an emphasis on the particular style and period of the pieces being sung. Performance literature equal to level 1 would be appropriate for this class. Due to the performance nature of this course, students must be willing to attend all rehearsals and performances during and/or outside the school day.
Prerequisite	Approval of Choral Director required. An audition may be required

Course Title	Intermediate Chorus I-II
Course Number	0822/0824
Course Description	This course is designed to teach intermediate sight-singing and choral methods. Performance literature equal to level 2-3 would be appropriate for this class. Due to the performance nature of this course, students must be willing to attend all rehearsals and performances during and/or outside the school day.
Prerequisite	Advanced Chorus and/or approval of Choral Director required. An audition may be required.

Course Title	Advanced Chorus I-II
Course Number	0830/0832
Course Description	This course is designed to teach advanced sight-singing and choral methods. Performance literature equal to level 4-5 would be appropriate for this class. Due to the performance nature of this course, students must be willing to attend all rehearsals and performances during and/or outside the school day.
Prerequisite	Advanced Chorus and/or approval of Choral Director required. An audition may be required.

Course Title	Select Ensemble
Course Number	0838
Course Description	This course is designed to teach sight-singing and choral methods at the highest levels. Performance literature equal to level 6 would be appropriate for this class. Due to the performance nature of this course, students must be willing to attend all rehearsals and performances during and/or outside the school day.
Prerequisite	Advanced Chorus and/or approval of Choral Director required. An audition may be required.

Course Title	Beginning Women's Chorus I-II
Course Number	0846/0848
Course Description	This course is designed to teach beginning sight-singing and choral methods. Performance literature equal to level 1 would be appropriate for this class. Due to the performance nature of this course, students must be willing to attend all rehearsals and performances during and/or outside the school day.
Prerequisite	Advanced Chorus and/or approval of Choral Director required. An audition may be required.

Course Title	Intermediate Women's Chorus I-II
Course Number	1216/1218
Course Description	This course is designed to teach intermediate sight-singing and choral methods. Performance literature equal to level 2-3 would be appropriate for this class. Due to the performance nature of this course, students must be willing to attend all rehearsals and performances during and/or outside the school day.
Prerequisite	Advanced Chorus and/or approval of Choral Director required. An audition may be required

Course Title	Advanced Women's Chorus I-II
Course Number	1246/1248
Course Description	This course is designed to teach advanced sight-singing and choral methods. Performance literature equal to level 4-5 would be appropriate for this class. Due to the performance nature of this course, students must be willing to attend all rehearsals and performances during and/or outside the school day.
Prerequisite	Advanced Chorus and/or approval of Choral Director required. An audition may be required

Course Title	Select Women's Chorus
Course Number	0854
Course Description	This course is designed to teach sight-singing and choral methods at the highest level. Performance literature equal to level 6 would be appropriate for this class. Due to the performance nature of this course, students must be willing to attend all rehearsals and performances during and/or outside the school day.
Prerequisite	Advanced Chorus and/or approval of Choral Director required. An audition may be required

Course Title	Beginning Men's Chorus I-II
Course Number	0862/0864
Course Description	This course is designed to teach beginning sight-singing and choral methods. Performance literature equal to level 1 would be appropriate for this class. Due to the performance nature of this course, students must be willing to attend all rehearsals and performances during and/or outside the school day.
Prerequisite	Advanced Chorus and/or approval of Choral Director required. An audition may be required

Course Title	Intermediate Men's Chorus I-II
Course Number	0870/0872)
Course Description	This course is designed to teach intermediate sight-singing and choral methods. Performance literature equal to level 2-3 would be appropriate for this class. Due to the performance nature of this course, students must be willing to attend all rehearsals and
Prerequisite	Advanced Chorus and/or approval of Choral Director required. An audition may be required

Course Title	Advanced Men's Chorus I-II
Course Number	1278/1283
Course Description	This course is designed to teach advanced sight-singing and choral methods. Performance literature equal to level 4-5 would be appropriate for this class. Due to the performance nature of this course, students must be willing to attend all rehearsals and performances during and/or outside the school day.
Prerequisite	Advanced Chorus and/or approval of Choral Director required. An audition may be required

Course Title	Select Men's Chorus
Course Number	0878
Course Description	This course is designed to teach sight-singing and choral methods at the highest level. Performance literature equal to level 6 would be appropriate for this class. Due to the performance nature of this course, students must be willing to attend all rehearsals and performances during and/or outside the school day.
Prerequisite	Advanced Chorus and/or approval of Choral Director required. An audition may be required

Course Title	Concert Band I
Course Number	1038
Course Description	This course is designed to offer students the opportunity to develop fundamental skills and advance as musicians through the performance of band literature. Performance literature equal to level 1 would be appropriate for this class. Due to the performance nature of this course, students must be willing to attend all rehearsals and performances during and/or outside the school day. Additionally, participation in marching band may be required.
Prerequisite	Approval of Band Director is required. An audition may be required. Prior band experience may be required

Course Title	Concert Band II
Course Number	1046
Course Description	This course is offered to students of an intermediate level of musicianship. Performance literature equal to level 2-3 would be appropriate for this class. Due to the performance nature of this course, students must be willing to attend all rehearsals and performances during and/or outside the school day. Due to the performance nature of this course, students must be willing to attend all rehearsals and performances during and/or outside the school day. Additionally, participation in marching band may be required.
Prerequisite	Approval of Band Director is required. An audition may be required. Prior band experience may be required.

Course Title	Symphonic Band
Course Number	1062
Course Description	This course is offered to students at an advanced level of musicianship. Performance literature equal to level 4-5 would be appropriate for this class. Due to the performance nature of this course, students must be willing to attend all rehearsals and performances during and/or outside the school day. Additionally, participation in marching band may be required.
Prerequisite	Approval of Band Director is required. An audition is required. Prior band experience may be required.

Course Title	Wind Ensemble
Course Number	1050
Course Description	This course is offered to students of the highest level of musicianship. Performance literature equal to level 6 would be appropriate for this class. Due to the performance nature of this course, students must be willing to attend all rehearsals and performances during and/or outside the school day. Additionally, participation in marching band may be required.
Prerequisite	Approval of Band Director is required. An audition is required. Prior band experience may be required.

Course Title	Jazz Band I
Course Number	0900
Course Description	This course is designed to offer students exposer to the jazz/small ensemble performance idiom. Performance literature equal to level 1-2 would be appropriate for this class. Due to the performance nature of this course, students must be willing to attend all rehearsals and performances during and/or outside the school day. Additionally, participation in marching band may be required.
Prerequisite	Approval of Band Director is required. An audition is required. Prior band experience may be required.

Course Title	Jazz Band II
Course Number	1120
Course Description	This course is designed to offer students exposer to the jazz/small ensemble performance idiom at the intermediate level. Performance literature equal to level 3-4 would be appropriate for this class. Due to the performance nature of this course, students must be willing to attend all rehearsals and performances during and/or outside the school day. Additionally, participation in marching band may be required.
Prerequisite	Approval of Band Director is required. An audition is required. Prior band experience may be required.

Course Title	Advanced Jazz Band
Course Number	0908
Course Description	This course is designed to offer students exposer to the jazz/small ensemble performance idiom at an advanced level. Performance literature equal to level 5- 6 would be appropriate for this class. Due to the performance nature of this course, students must be willing to attend all rehearsals and performances during and/or outside the school day.
Prerequisite	Approval of Band Director is required. An audition is required. Prior band experience may be required.

Course Title	Instrumental I
Course Number	0916
Course Description	This course provides for band instrumental courses beyond band courses at the beginning level. These may include, but are not limited to, percussion ensemble, jazz band, combo groups, etc. Performance literature equal to level 1-2 would be appropriate for this class.
Prerequisite	Approval of Band Director is required. An audition is required. Prior band experience may be required.

Course Title	Instrumental II
Course Number	0924
Course Description	This course provides for band instrumental courses beyond band courses at the intermediate level. These may include, but are not limited to, percussion ensemble, jazz band, combo
Prerequisite	Approval of Band Director is required. An audition is required. Prior band experience may be required.

Course Title	Advanced Instrumental
Course Number	0932
Course Description	This course provides for band instrumental courses beyond band courses at the advanced level. These may include, but are not limited to, percussion ensemble, jazz band, combo groups, etc. Performance literature equal to level 5-6 would be appropriate for this class.
Prerequisite	Approval of Band Director is required. An audition is required. Prior band experience may be required.

Course Title	General Band I-IV (Not a Pathway course)
Course Number	1132/1134/1136/1138)
Course Description	This course is designed to meet the needs of students outside of the traditional band curriculum. These include, but are not limited to, small ensembles and color guard/winter guard.
Prerequisite	Approval of Band Director is required. An audition is required. Prior band experience may be required.

Course Title	Percussion I-IV (Not a Pathway course)
Course Number	1078/1080 /1082/1084)
Course Description	This course is designed to provide performance opportunities to students in the field of percussion – both marching and concert. Opportunities include, but are not limited to, marching band, indoor drum line, percussion ensemble, and solo literature. Performance literature equal to level 4-6 would be appropriate for this class. Due to the performance nature of this course, students must be willing to attend all rehearsals and performances during and/or outside the school day. Additionally, participation in marching band may be required.
Prerequisite	Approval of Band Director is required. An audition is required. Prior band experience may be required.

Course Title	Orchestra I
Course Number	1170
Course Description	This course is designed to offer students the opportunity to develop fundamental skills and advance as musicians through the performance of orchestral literature. Performance literature equal to level 1would be appropriate for this class. Due to the performance nature of this course, students must be willing to attend all rehearsals and performances during and/or outside the school day.
Prerequisite	Approval of Orchestra Director is required. An audition may be required. Prior orchestra experience may be required.

Course Title	Orchestra II
Course Number	1178
Course Description	This course is offered to students of a more intermediate level of musicianship. Performance literature equal to level 2-3 would be appropriate for this class. Due to the performance nature of this course, students must be willing to attend all rehearsals and performances during and/or outside the school day.
Prerequisite	Approval of Orchestra Director is required. An audition is required. Prior orchestra experience maybe required.

Course Title	Advanced Orchestra
Course Number	1186
Course Description	This course is offered to students of an advanced level of musicianship. Performance literature equal to level 4-5 would be appropriate for this class. Due to the performance nature of this course, students must be willing to attend all rehearsals and performances during and/or outside the school day.
Prerequisite	Approval of Orchestra Director is required. An audition is required. Prior orchestra experience may be required.

Course Title	Select Orchestra
Course Number	0940
Course Description	This course is offered to students of the highest level of musicianship. Performance literature equal to level 6 would be appropriate for this class. Due to the performance nature of this course, students must be willing to attend all rehearsals and performances during and/or outside the school day.
Prerequisite	Approval of Orchestra Director is required. An audition is required. Prior orchestra experience maybe required.

Course Title	Music Appreciation (Not a Pathway course)
Course Number	1092
Course Description	This course is designed for the non-musician and will include a survey of music in society, the evolution of modern music, and the influence of culture on 20th century music. The focus of this class is history and the development of listening skills, rather than performance. Course material will begin with early music in its transformation, styles in modern music, careers in music, music technology, and music's role in society throughout history.
Prerequisite	None

Course Title	Music Theory (Not a Pathway course)
Course Number	1105
Course Description	This course covers music terminology and notational skills, writing skills, visual analysis and aural skills. Coursework emphasizes composition techniques and analysis of Western masterworks from all musical styles and offers opportunities to create and produce original works.
Prerequisite	Choral, Band, or Orchestra Director approval is required

Course Title	Advanced Placement Music Theory
Course Number	1140
Course Description	This course conforms to College Board topics for the Advanced Placement Music Theory Examination. It covers terminology and notational skills, writing skills, visual analysis and aural skills with advanced levels of understanding. Students will be required to create and produce original works. Students must have two years of successful participation in a high school music-performing ensemble.
Prerequisite	Choral, Band, or Orchestra Director approval is required.

Course Title	Keyboarding Technique I
Course Number	1200
Course Description	This course introduces students to beginning keyboard techniques and concepts such as scales, fingering, sight-reading and standard keyboard literature. Performance literature equal to level 1 would be appropriate for this class.
Prerequisite	Permission of Instructor

Course Title	Keyboarding Technique II
Course Number	0948
Course Description	This course provides instruction to the intermediate keyboard player. Technique, scales, fingering, sight-reading and standard keyboard literature are studied. Performance literature equal to level 2-3 would be appropriate for thisclass.
Prerequisite	Permission of Instructor

Course Title	Keyboarding Technique III
Course Number	0956
Course Description	Advanced keyboarding techniques, scales, fingering, sight-reading and standard keyboard literature are studied. Performance literature equal to level 4-5 would be appropriate for this class.
Prerequisite	Permission of Instructor

Course Title	Advanced Piano
Course Number	0968
Course Description	Keyboard techniques, concepts, and literature at the highest level are studied in this course. Performance literature equal to level 6 would be appropriate for this class.
Prerequisite	Permission of Instructor and an audition may be required

Course Title	Dance I-IV
Course Number	0441/0443/0449/0451
Course Description	This course will introduce student to various forms of dance. Proper warm-up, conditioning and strength techniques will be utilized. Specific clothing and shoes may be required.
Prerequisite	Audition and/or Permission of Instructor

Course Title	Guitar Technique I
Course Number	0970
Course Description	This course will introduce students to concepts for playing acoustical guitar with an emphasis on proper technique, reading, and theory. Performance literature equal to level 1would be appropriate for this class. Students are required to provide their own instrument.
Prerequisite	Audition and/or Permission of Instructor

Course Title	Guitar Technique II
Course Number	0978/0980/0982/0984)
Course Description	This course will provide instruction to students at the intermediate level for playing acoustical guitar with an emphasis on proper technique, reading, and theory. Performance literature equal to level 2-3 would be appropriate for this class. Students are required to provide their own instrument.
Prerequisite	Audition and/or Permission of Instructor

Course Title	Guitar Technique III
Course Number	0986
Course Description	This course will provide instruction to students at the advanced level for playing acoustical guitar with an emphasis on proper technique, reading, and theory. Performance literature equal to level 4-5 would be appropriate for this class. Students are required to provide their own instrument.
Prerequisite	Audition and/or Permission of Instructor

Course Title	Advanced Guitar
Course Number	0994
Course Description	This course will provide instruction to students at the highest level for playing acoustical guitar with an emphasis on proper technique, reading, theory, and classical literature. Performance literature equal to level 6 would be appropriate for this class. Students are required to provide their own instrument.
Prerequisite	Audition and/or Permission of Instructor

WORLD LANGUAGES

Course Title	Spanish I
Course Number	1512
Course Description	In this course students begin developing proficiency in the four basic skills: listening, speaking, reading, and writing Spanish. It is a vocabulary-rich environment where survival skills are taught along with cultural information about the many Spanish-speaking countries. Activities include dialogue, role-playing, celebrations, films, videos, recordings, games, food study and other activities which provide an overview of the language.
Prerequisite	There are no prerequisite

Course Title	Spanish II
Course Number	1533
Course Description	In this course students continue to develop proficiency in listening, speaking, reading, and writing Spanish. It also continues to increase students' knowledge and appreciation of the diverse countries whose language they are learning. Emphasis is on a thorough tense study, grammatical structure, and language development.
Prerequisite	Spanish I

Course Title	Honors Spanish II
Course Number	1588
Course Description	This course covers the same topics and concepts as Spanish II but does so in greater depth and with expanded vocabulary development. It is intended for students who plan to continue into Spanish III and AP Spanish.
Prerequisite	Spanish I

Course Title	Honors Spanish III
Course Number	1553
Course Description	Students continue to develop the oral and written language skills acquired in Spanish I and II. Spanish III extends the students' knowledge of the language by exploring Spanish literature, politics, history, and daily life more in depth. Readings, skits, short stories, role-playing, video presentations, and comprehension games are used to reinforce skills.
Prerequisite	Spanish II

Course Title	Advanced Placement Spanish Language
Course Number	1585
Course Description	This course conforms to the College Board topics for the AP Spanish Language exam. Students will use the language for active communication. The course stresses the ability to understand Spanish in various contexts; to develop a vocabulary sufficient for reading newspapers, magazines, literary texts, and other non-technical writing; and to express oneself in speech and in writing coherently, fluently, and accurately.
Prerequisite	Spanish III

Course Title	Spanish for Native Speakers Level I
Course Number	1571
Course Description	This course focuses on the development of communicative competence in reading, writing, speaking and listening and viewing, as well as on understanding Hispanic cultures and issues of identity of heritage speakers of Spanish in the United States. Students will also develop an awareness and understanding of Hispanic cultures, including language variation, customs, geography, history, and current events. During this course, students will gain confidence using Spanish to express their own thoughts on social and academic themes, interact with other speakers of the language, understand oral and written messages, make oral and written presentations, reflect on language variation, and critically view and evaluate media resources and web sites. Students will be able to understand material presented on a variety of topics related to contemporary events and issues in Hispanic communities. This course is intended for native Spanish speaking students only.
Prerequisite	Prerequisite: Permission of instructor.

Course Title	Spanish for Native Speakers Level II
Course Number	1574
Course Description	This course focuses on the development of advanced communicative competence in reading, writing, speaking and listening and viewing, as well as on understanding Hispanic cultures and issues of identity of heritage speakers of Spanish in the United States. Students will also continue to develop awareness and understanding of Hispanic cultures, including language variation, customs, geography, history, and current events. During this course, students will gain proficiency in using Spanish in increasingly complex ways to express thoughts on social and academic themes, interact with other speakers of the language, understand oral and written messages, make oral and written presentations, reflect on language variation, and critically view and evaluate media resources and web sites. Students will be able to understand material presented on a variety of topics related to contemporary events and issues in Hispanic communities. This course is intended for native Spanish speaking studentsonly.
Prerequisite	Spanish for Native Speakers Level I and/or permission of instructor

Course Title	French I
Course Number	1592
Course Description	In this course students begin developing proficiency in the four basic skills: listening, speaking, reading, and writing French. This vocabulary-rich environment will teach students basic survival skills as well as general cultural information of French speaking countries. Activities include: dialogue, role-playing, culture days, food experimentation, oral presentations, and films.
Prerequisite	There are no prerequisites.

Course Title	French II
Course Number	1613
Course Description	In this course students continue to develop proficiency in listening, speaking, reading, and writing French. Emphasis is on a thorough tense study, grammatical structure, and language development. Discussion of French culture, history, and literature will be introduced in context with learning the language.
Prerequisite	French I

Course Title	Honors French II
Course Number	1615
Course Description	This course covers the same topics and concepts as French II but does so in greater depth and with expanded vocabulary development. It is intended for students who plan to continue into French III and AP French.
Prerequisite	French I

Course Title	Honors French III
Course Number	1633
Course Description	Students will continue to develop the oral and written language skills acquired in French I and II. They will explore French culture through films, videos, and literary selections. Activities include: reading plays, short stories, poems, role-playing, video presentations, library research, Internet exploration, and creative writing.
Prerequisite	French II

Course Title	Honors French IV
Course Number	1653
Course Description	French IV is designed to immerse students further into the topics addressed in French I, II, and III. Topics include: analysis and study of the history of France, French literary selections, poems, short stories, plays, short novels, film, and other artistic media. Students develop oral, written, reading and listening skills.
Prerequisite	French III

Course Title	Advanced Placement French Language
Course Number	1645
Course Description	This course conforms to the College Board topics for the AP French Language exam. Students will use the language for active communication. The course stresses the ability to understand French in various contexts; to develop a vocabulary sufficient for reading newspapers, magazines, literary texts, and other non-technical writing; and to express oneself in speech and in writing coherently, fluently, and accurately.
Prerequisite	French III

Course Title	German I (Located at SHS, UGHS, WHS)
Course Number	1665
Course Description	In this course students begin developing proficiency in the four basic skills: listening, speaking, reading, and writing German. It is a vocabulary-rich environment where survival skills are taught along with cultural information about German speaking countries. Activities include dialogue, role-playing, celebrations, films, videos, recordings, games, food study, and other activities that provide an overview of the language.
Prerequisite	There are no prerequisites.

Course Title	German II (Located at SHS, UGHS, WHS)
Course Number	1666
Course Description	Students continue to develop proficiency in listening, speaking, reading, and writing in German. Emphasis is on a thorough tense study, grammatical structure, and language development. Discussion of German culture, history, and literature will be introduced in context with learning the language.
Prerequisite	German I

Course Title	Honors German II (Located at SHS, UGHS, WHS)
Course Number	1675
Course Description	This course covers the same topics and concepts as German II but does so in greater depth and with expanded vocabulary development. It is intended for students who plan to continue into German III and IV.
Prerequisite	German I

Course Title	Honors German III (Located at SHS, UGHS, WHS)
Course Number	1672
Course Description	Students will continue to develop the oral and written language skills acquired in German I and II. They will explore German culture through films, videos, and literary selections. Activities include: reading plays, short stories, and poems, role-playing, video presentations, library research, Internet exploration and creative writing.
Prerequisite	German II

Course Title	Honors German IV (Located at SHS, UGHS, WHS)
Course Number	1677
Course Description	This course is designed to immerse the student in more advanced topics. Reading skills are developed by using poems, short stories and a variety of events. Listening is enhanced by using tapes, films, and CD's. Students create personal writing examples. Speaking and writing skills are further developed.
Prerequisite	German III

Course Title	Advanced Placement German Language and Culture
Course Number	1760
Course Description	This course conforms to the College Board topics for the AP German Language exam. Students will use the language for active communication. The course stresses the ability to understand in various contexts; to develop a vocabulary sufficient for reading newspapers, magazines, literary texts, and other non-technical writing; and to express oneself in speech and in writing coherently, fluently, and accurately.
Prerequisite	German III

HEALTH & PHYSICAL EDUCATION

Course Title	Personal Fitness
Course Number	3022 (1/2 Credit)
Course Description	Personal Fitness provides instruction in methods to attain a healthy level of physical fitness. The course covers how to develop a lifetime fitness program based on personal fitness assessment and stresses strength, muscular endurance, flexibility, body composition, and cardiovascular endurance. It includes fitness principles, nutrition, fad diets, weight control, stress management, adherence strategies, and consumer information and promotes self- awareness and responsibility for fitness. This course is required for graduation and is one semester inlength.
Prerequisite	None

Course Title	Health
Course Number	3012 (1/2 Credit)
Course Description	Health explores the mental, physical and social aspects of life and how each contributes to total health and well-being. The course emphasizes safety, nutrition, mental health, substance abuse prevention, disease prevention, environmental health, family life education, health careers, consumer health, and community health. An instructional program developed by the American Heart Association in cardiopulmonary resuscitation (CPR) and the use of an automated external defibrillator (AED) is incorporated into the course. This course is required for graduation and is one semester in length.
Prerequisite	None

Course Title	Introductory Lifetime Sports
Course Number	3042
Course Description	Introductory Lifetime Sports is an elective course that introduces fundamental skills, strategies, and rules associated with lifetime sports such as bowling, golf, tennis, racquetball, baseball, badminton, roller skating, and skiing.
Prerequisite	None

Course Title	Team Sports
Course Number	3102
Course Description	Team Sports is an elective physical education course that provides opportunities for students to participate in different team oriented sports such as volleyball, softball, basketball, flag football, soccer, team handball, floor hockey, and kickball.
Prerequisite	None

Course Title	Aerobics
Course Number	3122
Course Description	Aerobics provides opportunities to perform choreographic routines to music and to increase strength, cardiovascular and muscular endurance, and flexibility. Aerobics includes fitness concepts for developing healthy lifetime habits.
Prerequisite	None

Course Title	Beginning Weight Training
Course Number	3062
Course Description	This course is designed to introduce the fundamentals of weight training. Students will be taught the fundamentals and techniques for improving and developing strength, flexibility, and endurance. Students will also be introduced to a variety of methods and materials for gaining strength, weight control, relieving stress, and building muscle endurance.
Prerequisite	None

Course Title	Advanced Weight Training
Course Number	3082
Course Description	This course is designed to further develop the advancement of weight training. This course will be covering developing personal weight training, strength, power, speed, and endurance programs. Students will be instructed on major core lifts, and is not limited to sport specific lifts, running, plyometric, and agility improvement activities. The students will be instructed in weight control enhancement, weight gaining fads, and nutrition supplements.
Prerequisite	Beginning Weight Training

Course Title	Body Sculpting
Course Number	3093
Course Description	Provides methods to redefine body shape through specific exercises. Covers weight training, conditioning exercises and proper nutrition to improve muscle tone, muscle definition, posture, bodily proportions, overall condition of the body and increase energy levels. Based on the American College of Sports Medicine guidelines for fitness and conditioning programs.
Prerequisite	Advanced Weight Training

Course Name	Advanced Body Sculpting
Course Number	3095
Course Description	Provides additional opportunities to redefine body shape through specific exercises. Covers weight training, conditioning exercises and proper nutrition to improve muscle tone, muscle definition, posture, bodily proportions, overall condition of the body and increase energy levels. Based on the American College of Sports Medicine guidelines for fitness and conditioning programs. Promotes healthy means to body sculpting goals.
Prerequisite	Body Sculpting

Course Title	Introductory Gymnastics, Stunts and Tumbling
Course Number	3133
Course Description	Introduces gymnastics, stunts and tumbling; emphasizes safety measures. Uses basic gymnastic equipment such as the balance beam, uneven bars, parallel bars, rings, side horse and horizontal bars.
Prerequisite	None