

GAINESVILLE HIGH SCHOOL

GHS

PROGRAM
OF
STUDIES

2016-2017

Welcome to GHS!

At GHS we are committed to the success of every student. To achieve success, each student must accept the responsibility of working to his or her full potential. This course directory will help students in this endeavor.

We provide a wide range of courses which include academic, vocational and elective offerings. Students should familiarize themselves with the credits required for graduation, and then plan courses that will be interesting, challenging and helpful in preparing for career goals.

As students consider different courses, they should check this directory for information on the course overview and then talk to their parents, guidance counselor and teachers regarding their tentative selections. Students will make better choices and be more successful if they are well informed.

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Graduation Requirements : Standard 4-year Diploma

24 credits required

FOR 9th GRADE STUDENTS ENTERING 2013-2014;

English	4 credits
Mathematics	4 credits (including Algebra 1 and Geometry--EOC 30% of final grade)
Science	3 credits (including Biology--EOC 30% of final grade)
Physical Education	1 credit (HOPE)
Social Studies	3 credits 1 World History 1 American History (EOC 30% of final grade) 1/2 Economics 1/2 American Government
Fine Arts	1 credit
Electives	8 credits
Test Requirements	Pass Grade 10 FSA ELA and Algebra 1 EOC
Online Requirement	1 Course

FOR 9th GRADE STUDENTS ENTERING 2014-2015:

English	4 credits
Mathematics	4 credits (including Algebra 1 and Geometry--EOC 30% of final grade)
Science	3 credits (including Biology--EOC 30% of final grade)
Physical Education	1 credit (HOPE)
Social Studies	3 credits 1 World History 1 American History (EOC 30% of final grade) 1/2 Economics 1/2 American Government
Fine Arts	1 credit
Electives	8 credits
Test Requirements	Pass Grade 10 FSA ELA and Algebra 1 EOC
Online Requirement	1 Course

FOR 9th GRADE STUDENTS ENTERING 2015-2016

English	4 credits
Mathematics	4 credits (including Algebra 1 and Geometry--EOC 30% of final grade)
Science	3 credits (including Biology--EOC 30% of final grade)
Physical Education	1 credit (HOPE)
Social Studies	3 credits (see above requirements) (Amer. Hist EOC 30%)
Fine Arts	1 credit
Electives	8 credits
Test Requirements	Pass Grade 10 FSA ELA and Algebra 1 EOC
Online Requirement	1 Course

FOR 9TH GRADE STUDENTS ENTERING 2016-2017

English	4 Credits
Mathematics	4 credits (including Algebra 1 and Geometry--EOC 30% of final grade)
Science	3 credits (including Biology--EOC 30% of final grade)
Physical Education	1 Credit (HOPE)
Social Studies	3 credits (See above requirements) Am. Hist.--EOC 30 % of grade
Fine Arts	1 Credit
Electives	8 credits
Online Requirements	1 Course
Test Requirements	Pass Grade 10 FSA ELA and Algebra 1 EOC

Students must have a cumulative G.P.A. of 2.0 on a 4.0 scale on all course work. If the student does not pass FSA ELA a concordant SAT or ACT score may be used. If the student does not pass FSA Algebra 1 EOC, a concordant PERT Math score may be used. See your counselor for details.

GHS Coursebook

is a publication of

Gainesville High School
 1900 NW 13th Street
 Gainesville, FL 32609
 352-955-6707

STATE UNIVERSITY ADMISSIONS POLICIES

High School Course Distribution Requirements for Students Planning on Entering a State University

Students must complete at least 18 units of high school work in the five core areas listed below and 2-3 additional electives as will be explained in the list of approved college prep courses.

ENGLISH	4 units
MATHEMATICS (Algebra I, Algebra II and Geometry)	4 units
NATURAL SCIENCE	3 units
SOCIAL STUDIES	3 units
FOREIGN LANGUAGE	2 units (see below)
ELECTIVES	<u>2 units</u>
TOTAL	18 units

DIPLOMA OPTIONS

The State Legislature has mandated that differentiated diplomas will be awarded recognizing different levels of academic preparation. Those seniors who fulfill the requirements for a university ready diploma will have an embossed seal affixed to their diploma recognizing their level of accomplishment.

The following criteria has been reproduced from the Pupil Progression Plan published by the School Board of Alachua County:

Standard Diploma

Awarded upon completion of all course and credit requirements, demonstrated mastery of the State Department of Education approved Student Performance Standards measured by the FSA, SAT or ACT and a cumulative grade point average of 2.0 on a 4.0 scale on all course work.

Standard Diploma Option 18 Credits (ACCEL Option)

Students may choose to graduate in 3 years with a regular High School Diploma. Students must have a parent sign for this option and should see their guidance counselor for more information.

University Ready Diploma Award

A University Ready Diploma establishes high academic standards for university admission consideration, however, does not guarantee acceptance to all universities. Many individual universities increase their admission criteria above the minimum GPA and entry-level test score requirements. Students are urged to contact the universities they are considering for additional information during their 11th grade year. Students should also direct any questions to their counselor.

University of Cambridge AICE Diploma

This diploma is awarded to a student who earns seven AICE points within grades 10-12. Points are earned by passing a minimum of one Advanced International Certificate Exam in each of the three curriculum areas: Math and Science, Languages, and Arts and Humanities. In order to pursue the AICE Diploma, students must apply and be accepted to enter The Cambridge Program.

See your guidance counselor for more information

Mr. Darin Jones	Assistant Principal for Student Services
Mr. Michael Testa	Assistant Principal for Curriculum
Mrs. Pamela Gonzales	Grades 9-12, Alpha Letters A-D
Ms. Elizabeth Patton	Grades 9-12, Alpha Letters E-J
Mrs. Carly Heckathorn	Grades 9-12, Alpha Letters K-Q
Mr. Ken Mercer	Grades 9-12, Alpha Letters R-Z

All counselors are responsible for UF dual Enrollment, Early Admissions, Homebound, Community Service, Fee Waivers, Crisis Counseling, NCAA, and Bright futures for their assigned students.

Scholar Designation

In addition to meeting the 24-credit standard high school diploma requirements, a student must:

- Earn 1 credit in Algebra 2 (must pass statewide assessment)
- Pass the Geometry EOC (14-15 cohort and after only)
- Earn 1 credit in Statistics or an equally rigorous math course
- Pass the Biology 1 EOC
- Earn 1 credit in Chemistry or Physics
- Earn 1 credit in a course equally rigorous to Chemistry or Physics
- Pass the U.S. History EOC
- Earn 2 credits in the same world language
- Earn at least 1 credit in Advanced Placement (AP, IB, AICE or a dual enrollment course)

Merit Diploma Designation

In addition to meeting the standard high school diploma requirements a student must attain one or more industry Certifications from the list established.

Placement and Classification	
For administrative purposes only, at the beginning of each school year, the classification of students in grades 9, 10, 11, and 12 is based upon the number of credits earned in high school as follows:	
Classification	Credit
9th grade	Successful completion of 8th grade
10th grade	4 credits
11th grade	10 credits
12th grade	16 credits

Florida's Bright Futures Scholarships

Requirements	I. Fl. Academic Scholars Award (FAS)	II. Fl. Medallion Scholars Award (FMS)	III. Fl. Gold Seal Voc. Sch. Award (GSV)
Award level	All students will receive the specified award amounts established by the Florida Legislature in the General Appropriations Act.	All students will receive the specified award amounts established by the Florida Legislature in the General Appropriations Act.	All students will receive the specified award amounts established by the Florida Legislature in the General Appropriations Act. A
Grade Point Average (GPA)	3.5 weighted GPA (based on the Statewide Scholarship Weighting System) using the 15 credits listed below.	3.0 weighted GPA (based on the Statewide Scholarship Weighting System) using the 15 credits listed below.	3.0 weighted GPA (based on the Statewide Scholarship Weighting system) using the core 15.5 credits 3.5 unweighted GPA in a minimum of 3 credits in one Vocational Program
Required Credits	4 English (3 with substantial writing) 4 Mathematics (Algebra I and above) 3 Natural Science (2 with substantial lab) 3 Social Sciences 2 Foreign Language (in same language) 16 credits--Total May use up to 4 additional credits in subject areas listed above to raise GPA.	4 English (3 with substantial writing) 4 Mathematics (Algebra I and above) 3 Natural Science (2 with substantial lab) 3 Social Sciences (any) 2 Foreign Language (in same language) 16 credits--Total May use up to 4 additional credits in subject areas listed above to raise GPA.	4 English 4 Mathematics 3 Natural Sciences 3 Social Science (Am. Hist., World Hist., Am Govt. and Economics) 1 Practical Art or 1 Performing Art or 1/2 credit in each 1 Physical Education to include the integration of Health A minimum of 3 Vocational Job Preparatory or Technology Education 16 credits--Total
Community Service	100 hours, as approved by the district or private school	75 hours, as approved by the district or private school	30 hours, as approved by the district or private school
Test Scores	1290 SAT or 29 ACT Subsections of the SAT or ACT from different test dates may be used to meet the test criteria. Test dates through the end of June will be admissible.	1170 SAT or 26 ACT Subsections of the SAT or ACT from different test dates may be used to meet the test criteria. Test dates through the end of June will be admissible.	SAT: Verbal 440, Math 440 OR ACT: Reading 19, English 17, Math 19 Subsections of the SAT and ACT from different test dates may be used to meet the test criteria. Test dates through the end of June will be admissible.
Other Ways to Qualify	National Merit or Achievement Scholars and Finalists IB or AICE Diploma Recipient Students who have completed the IB Curriculum with a 1290 SAT or 29 ACT	For more information go to: www.MyFloridaEducation.com/brfuture	PERT Reading Score of a 106 PERT Writing Score of a 103 PERT Math Score of a 114

To apply for a Bright Futures Scholarship, students must have completed a Florida Aid Application in December of the senior year by going online to www.floridastudentfinancialaid.org.

Students who earn a Florida Bright Futures Scholarship will be eligible to receive funding beginning with the fall term after high school graduation. In addition, student and parent must complete a FAFSA in order to receive the scholarship.

For additional information students should call toll free 1-888-827-2004 or visit the web site: www.MyFloridaEducation.com/brfuture or contact their school counselor.

***Students pursuing the 3 year/18 credit option for graduation should see their counselor for information regarding Bright Futures requirements.**

Gold Seal Vocational Programs at G.H.S. *

Digital Design

Digital Information Technology
Digital Design I
Digital Design II

Hospitality & Tourism Mgmt

Web Internet Services

Digital Information Technology
Digital Multimedia I
Digital Mutlimedia II

Academy of Health Prof at GHS

Allied Health Assisting
Certified Pharmacy Technician
Physical Therapy Aide
Respiratory Care Aide
Certified Nursing Assistant
Medical Lab Assistant

Academy of Health Prof. Dual Enrollment Program

First Responder/EMT
Dental Aide

*A Gold Seal Scholarship candidate must earn a minimum of 3.5 unweighted GPA in the Vocation program (3.0 credits) in which he/she is enrolled.

Program Options

Students interested in pursuing any of the following programs should first confer with their high school guidance counselor.

Santa Fe College/University of Florida Dual Enrollment

The Dual Enrollment program allows eligible high school students to take college level courses and receive both college credit and credit toward a high school diploma. To participate, students must meet specific grade point and test score requirements. Students taking college level courses under the Dual Enrollment program will not be charged registration, tuition or book fees by the university or community college. Registration for Dual Enrollment courses may occur earlier than regular registration. Students should see their counselors for deadline dates.

Academy of Future Teachers (AFT)

The Academy of Future Teachers is a magnet program located on the campus of Gainesville High School. The focus is to educate and allow students opportunities to teach on their own. The first year of the program focuses on an introduction to the teaching profession. The second year of the program focuses on human growth and development. The third and fourth years of the program feature hundreds of internship hours in which students will get practical experience in a classroom setting. They will focus on curriculum, instruction and delivery. The goal is to produce student teachers that are ready to enter college to further their craft of education and teach the youth of America one day.

Academy of Health Professions (AHP)

The Academy of Health Professions is a school-within-a-school magnet program located on the campus of Gainesville High School. The focus of the AHP is to provide the opportunity to achieve exposure and relevant clinical experience in various health care professions concurrently obtaining training in entry level health care jobs. Through integrated curricula in applied academics and clinical experiences in health care settings, students will be prepared to be employed in their chosen health care field directly following graduation from GHS and able to continue their education at the post-secondary level. The programs available are Certified Nursing Assistant, Medical Lab Assisting, /certified Pharmacy Technician, Certified EKG Technician, Physical Therapy Aide. EMT and Dental Assisting are dual enrolled programs. All of these programs articulate with Allied Health Sciences and Nursing programs at Santa Fe College and are operated in conjunction with the NFRMC, Shands/UF and other health care providers in the community. Students are able to dual enroll while attending AHP and may also concurrently enrolled in the Cambridge program.

Advanced International Certificate of Education (AICE): The Cambridge Program

The Cambridge Program is a rigorous, internationally recognized course of study for academically talented students. The program has been in existence for over 150 years and is under the auspices

of the University of Cambridge, in Cambridge, England.

At GHS, the first two years in the Cambridge Program are spent studying a broad curriculum designed to emphasize the development of higher order thinking skills, oral and writing skills and extensive problem solving and teamwork skills. The final two years are spent in the advanced program which is comprised of college-level courses leading to the Advanced International Certificate of Education (AICE) Diploma.

Most US colleges award students advanced standing and academic credit for Cambridge examinations passed. Today, all students passing AICE examinations may earn up to 45 hours of college credit at all public universities and colleges in Florida, and the state's Bright Future program recognizes AICE diploma recipients with the Florida Academic Scholars Scholarship.

Advanced Placement (AP)

Various accelerated, in-depth academic courses designated Advanced Placement (AP) are available to qualified students. At the conclusion of an AP course, students are required to take the AP exam covering the subject or subjects studied. The exams are written and graded by the College Board. The scores received are used by colleges and universities for admission and placement purposes. High scores usually aid students' chances of admission to colleges and to their special programs, grant them college credit and exempt them from freshmen courses.

ESOL Program

The ESOL Program, or English for Speakers of Other Languages Program, offers intensive English instruction to students whose native language is not English. Students have the chance to practice their knowledge of English in small, comfortable classes where oral communication, writing skills and reading proficiency are stressed. The goal of the program is to help students become proficient in English as quickly as possible and to assist them in content area coursework. A student who takes one ESOL class will receive one credit in English. A second ESOL class, if chosen, will be counted as an elective credit. In addition, the ESOL Program offers students a place to go for support and encouragement while making the sometimes difficult transition into their new environment.

Hospitality & Tourism Management

The Hospitality & Tourism Management Program at Gainesville High School provides students both academically rigorous and relevant real-world knowledge, technical and general employability skills as well as occupation-specific skills and experience needed for a long-term career in the Hospitality & Tourism industry. The program content includes knowledge and skills ranging from entry-level to supervisory & management level positions with industry recognized certification opportunities in the Food & Beverage and/or Hospitality & Tourism industries each year. This is a 4-year program.

COURSE DESCRIPTIONS

ACADEMY OF FUTURE TEACHERS

Introduction to the Teaching Profession (8909010 Offered 9th grade. Two semesters. Required for AFT.) This course is designed to focus on the profession of teaching and related careers history, purposes, issues, ethics, laws and regulations, roles, and qualifications. Emphasis is placed on identifying the current, historical, philosophical and social perspectives of American education, including trends and issues. During the course students will participate in a minimum of 20 hours of guided observations and field experiences in multiple settings to help them assess their personal interest in pursuing careers in this field and to identify effective learning environments. Students will begin the development of a working portfolio to be assembled upon completion of the program.

Human Growth and Development (8909020 Offered 10th grade. Two semesters. Required for AFT) This course prepares students to understand the nature of human development from conception through adolescence and the connection of the students development and plans for working with students. Emphasis is placed on theories of physical, cognitive, and psychosocial development, the effect of heredity and the environment, the role of caregivers and the family, health and safety concerns, and contemporary issues. Students will participate in a minimum of 30 hours of planned, guided observations of children from birth through adolescence in a variety of settings to help students further understand theories of human development. Students will continue to develop the components of his or her working portfolio to be assembled upon completion of the program.

Foundations of Curriculum and Instruction (8909030 Offered 11th grade. Two semesters. Required for AFT) This course is designed for students to develop the knowledge and skills of curriculum delivery models in response to the developmental needs of all children. Students will develop various instructional materials and activities to promote learning, classroom management strategies, and a supportive classroom environment. Students will research and understand the basic theories of motivation that increase student engagement which is tied to student learning. Students will participate in a minimum of 50 hours of guided observations and field experiences to critique and develop classroom lessons. Students will continue to develop the components of a working portfolio to be assembled upon completion of the program.

Principles of Teaching Internship (8909040 Offered 12th grade. Two semesters. Required for AFT) The course is designed for students to apply their knowledge in real world education settings. Students must complete a minimum of 150 hours of internship in an approved setting based on students' area of interests. The internship is designed for students to work with a mentor teacher to provide daily supervision and provide the students the opportunities to integrate content and pedagogical knowledge. Students will be observed by the instructor using the local school district's approved formal observation process during the internship. The student will submit a completed portfolio by the end of the course for feedback.

ACADEMY OF HEALTH PROFESSIONS

Medical Skills and Services (8400320 Offered 9th grade. Two semesters. Required for AHP.) MSS is an introductory course to the health care field. The subject matter includes information about a variety of health related careers available to today's student. Provides students with a broad overview of knowledge and skills involved in the health field as well as experiences in classroom nursing lab.

Health Science Anatomy & Physiology I (8417100 Offered 10th grade. Two semesters. Required for AHP) Course designed to familiarize the student with the structure and function of the human body in relation to health and disease. Designed to provide students interested in the health occupation field a solid foundation on which to build. Beginning and introduction to SFC medical terminology HSC 2531 course which is continued in Health Science II.

Health Science Foundations (8417110 11th grade. Two semesters. Required for AHP) A primary focus of this course is medical terminology and introduction to health care. The course content includes continuation of HSC 2531 medical terminology with testing in the 1st semester for 3 college credits issued by SFC. Additionally, students will take HSC 1000 which is the pre-requisite course for post-secondary health care programs. Students will be tested in the spring and are able to earn an additional 3 college credits.

Nursing Assistant (8417211 12th grade. Two semesters Pre-requisite – AHP enrollment) Students who select nursing assistant as their senior clinical will be taught the 120 hour certified nursing assistant class and have the opportunity to pass the national state certification exam in the spring.

Allied Health Assisting (8417130 12th grade. Two semesters. Pre-requisite – AHP enrollment.) Students who select allied health assisting will have the opportunity to pursue one of the following clinical components: rehabilitation aide or certified pharmacy technician. Students who select EKG Tech will be able to complete and obtain their national EKG certification. Core curriculum taught in conjunction with SFC and Shands/UF. Clinical experiences in spring correlate with didactic teaching in fall.

EMT: Must be fully dual enrolled.

Health Information Technology: Must be fully dual enrolled

CAREER AND TECHNOLOGY

Today's career and technology leaders are reaching a logical conclusion: employees need training to improve their efficiency and to be promotable, but not all of that training can be accomplished on the job. Much of it must come from schools--and from career and technology education in particular. All CTE courses have articulation for college credit through SFC. The following courses will also fulfill the Arts High School Graduation Requirement for students beginning high school in 2007-2008: Digital Design 1, 2, 3 and Digital Multimedia Foundations 1, 2, 3. Students also have the opportunity to test for Adobe Industry Certification.

Digital Information Technology (8207310 Offered 9,10,11,12. Two semesters. Prerequisite: none.) Provides the basic keyboard and computer skills needed by students in order to be successful in high school, college and at work. This course is the core course for all Business /Technology Education (BTE) programs and is the foundation course for all Career Pathway Programs.

Digital Design I (8209510 Offered 10,11,12. Two semesters. Prerequisites: Dig Info Tech and teacher approval.) This course prepares students for employment in the digital publishing industry. The content includes practical experiences in computer generated art and text, graphic design, electronic scanning and digital photography using industry standard software..

Digital Design II (8209520 Offered 11, 12. Two semesters. Prerequisites: Digital Design I and teacher approval.) This course continues the development of basic entry level skills for the digital publishing industry. The content includes layout, design, and measurement activities and digital imaging.

Digital Design III (8209530 Offered 12. Two Semesters. Prerequisites: Digital Design II and teacher approval.) This course continues the development of industry-standard skills required for careers in the digital publishing industry. The content includes the use of a variety of software and equipment to perform digital publishing and digital imaging activities.

Digital Multimedia Foundations I (8201210 Offered 9, 10, 11, 12. Two semesters. Prerequisites: None.

This provides students with experiences in Web page design, interactive presentation development, testing and production. Specialized skills in multimedia presentations such as video editing, audio features, simple animation and author in software are used to produce a variety of interactive multimedia presentations.

Digital Multimedia Foundations II (8201220 Offered 10, 11, 12. Two semesters. Prerequisites: Multimedia I and teacher approval.) This course is designed for the novice Web designer. Students should have basic computer skills that include some knowledge of the Internet. The course will cover the basics of Hypertext Markup Language (HTML), writing for the Internet, web layout and design (including the creation and manipulation of web graphics), Adobe Photoshop and Adobe Dreamweaver basics, Adobe Illustrator & video editing using Premiere Pro..

Digital Multimedia Foundations III (8201230 Offered 10, 11, 12. Two semesters. Prerequisites: Multimedia II and teacher approval.) This course is designed for the advanced Web designer.

Digital Video Production I (8772410 Offered 9, 10, 11, 12. Two semesters. Prerequisite: Teacher Approval.) Students will gain working knowledge and hands-on experience in all facets of television/video production including use of video equipment, story boarding, scripting, picture composition, audio recording, basic lighting and editing. Students also explore careers in the television/video production field.

Digital Video Production II (8772420 Offered 9, 10, 11, 12. Two semesters. Prerequisite: Teacher Approval.) Students develop skills in using more advanced equipment, including nonlinear digital editing. Students will plan, storyboard, write, produce and edit a special project. They will also practice directing, editing, basic set design, audio, computer graphics and management. An emphasis is placed on writing and producing news stories on a weekly basis. Students continue to explore careers in related fields.

Digital Video Production III (8772430 Offered 9, 10, 11, 12. Two semesters. Prerequisite: Teacher Approval.) Students continue

advanced study of television/video production. Students practice directing, editing, basic set design, audio, computer graphics and management. Course emphasizes writing and producing news stories weekly. Students continue to explore careers in related field.

Digital Video Production IV (8772440 Offered 9, 10, 11, 12. Two semesters. Prerequisite: Teacher Approval.) A continuation of the skills mastered in Digital Video III.

Nutrition and Wellness (8500355 Offered 9,10,11,12. One semester. Prerequisite: none.) The content of this course includes but is not limited to selection, preparation, service and storage of foods. It allows students to use technology to practice meal management techniques directed toward nutritional food choices based on the life cycle. This course will provide an awareness of consumer issues relating to health and wellness. There is a \$5/student cooking lab fee for this course.

Principles of Food (8500390 Offered 9,10,11,12. One semester. Prerequisite: Nutrition and Wellness.) The content of this course includes but is not limited to preparing students to understand the principles of food, selection and storage, basic food preparation, and selection of food services. There is a \$5/student cooking lab fee for this course.

Introduction to Hospitality and Tourism (8850110 Offered 9) Two semesters. The purpose of this course is to introduce students to the skills necessary for success in the hospitality and tourism industry. Students will also have the opportunity to learn hospitality and tourism terminology and the mathematical, economic, marketing, and sales fundamentals of the industry. Students will have an opportunity to acquire hospitality industry certification in customer service (Certified Guest Service Professional). Students will also have the opportunity to earn their Florida SafeStaff food safety certification. DECA membership is strongly recommended.

Technology for Hospitality and Tourism (8703110, Offered 10. Two semesters. This course is designed to provide an introduction to computer technology and to develop entry-level skills for computer-related careers in the hospitality & tourism industry. Course includes a strong emphasis on job preparation and interview skills. Students will create an employment portfolio. Course also builds on concepts learned in year 1 and covers similar material at a higher/supervisory level in the hospitality & tourism field. Students will take the first certification exam required for CHTMP (Certified Hospitality & Tourism Management Professional) certification that will be available at the end of the program. DECA membership is required.

Hospitality and Tourism Marketing Management (8703120 Offered 11. Two semesters. The purpose of this course is to provide students necessary career specific instruction in hospitality and tourism marketing management. Students will learn sales and management techniques, marketing principles, and entrepreneurship skills necessary to succeed in the hospitality and tourism industry. This course incorporates marketing and management principles and procedures of the hospitality and tourism industry as well as employment qualifications and opportunities. Upon successfully passing Year 2 & 3 HTMP certification exams (70+), students will have an opportunity to be placed in a local internship over the summer. Students will also have an opportunity to earn their nationally recognized ServSafe CFPM (Certified Food Protection Manager) food safety

certification. DECA membership is required.

Hospitality and Tourism Entrepreneurship (8703130 Offered 11, 12. Two semesters. Prerequisite: Teacher approval, pending minimal dean referrals.) The purpose of this course is to provide students with the academic and technical preparation to pursue high-demand and high-skill careers in hospitality related industries. In addition, this course is designed so that performance standards meet employer expectations, enhancing the employability of students.

DRIVER EDUCATION

Students who complete the program will qualify for completion of the substance abuse and traffic law course requirements of Section 322095, Florida Statutes, after January 1, 1990, i.e., the DATE course. They will have an opportunity to take the written test for a restricted operator's license and be granted a waiver to present at the driver's license office in lieu of taking the written test. Students will take the road test for regular operator's license and upon passing that test receive a waiver to present at the driver's license office in lieu of the road test.

Driver Education/Traffic Safety-Classroom and Laboratory (1900310 Offered 10, 11, 12. One semester. Prerequisite: none.) The course introduces highway transportation system and strategies that will develop driving knowledge and skills related to a motorized society. It provides in-depth study of scope and nature of collision problems and their solutions. The course includes vehicle control and traffic procedures, defensive driving, enjoyable vehicle ownership, physical and mental factors, legal and moral obligations, knowledge of motorcycle operations and interactions in the system, planning for safe travel to include map studies and comprehensive study of effects of alcohol and other drugs on driving performance. Activities include use of electronic simulation equipment, off-street multiple vehicle driving range and on-street driving practice in dual-in roll vehicle under direction of instructor.

ENGLISH

English courses encompass all areas of language study—critical reading, proficient style, correct grammar and usage, effective writing, listening and speaking. Two main programs in English are designed to meet varying student needs. One is designed for the student who wishes to continue training after high school, either vocational or academic, or enter the work force. The other is an Honors/Advanced Placement/AICE. track for students who are gifted in English and who plan to continue their academic studies. Elective courses appeal to a variety of special interests and needs.

Intensive Reading (1000410 Offered 9, 10, 11, 12. Two semesters) **Students with level 1 or below on FSA ELA are strongly encouraged to take this course.** Emphasis in the course will be on fluency and comprehension along with critical thinking and study skills.

(Summer reading is required for all English courses and must be completed by the beginning of school.)

English I (1001310 Offered 9. Two semesters. Prerequisite: Recommendation of 8th grade English teacher.) Literature study focuses on types of literature. Language study includes vocabulary development, grammar, usage and mechanics. Composition instruction concentrates on writing effective sentences and

paragraphs. Formal and informal speaking opportunities included. **English Honors I** (1001320 Offered 9. Two semesters. Prerequisite: Recommendation of 8th grade English teacher.) Critical reading and analysis of major literary genres. Instruction and frequent practice in a variety of writing modes. Intensive college preparatory vocabulary study. Formal speaking experiences required.

Pre-AICE English Lang. I (Cambridge) (1001560 Offered 9. Two semesters. Prerequisite: Application only. Acceptance into Cambridge Program.) Critical reading and in-depth analysis of literary genres both in class and independently. Intensive college-preparatory vocabulary study. Formal and informal speaking experiences. Documented paper required.

English II (1001340 Two semesters.) Reading and discussion of world literature. Outside independent reading required each nine weeks. Vocabulary and grammar instruction. Emphasis on writing process and development of types of paragraph and multi-paragraph papers.

English Honors II (1001350 Offered 10. Two semesters. Prerequisites: English Honors I or English I and teacher recommendation.) Advanced course with strong emphasis on writing process. Intensive college-preparatory vocabulary study. Critical reading of major works of world literature both in class and independently. Formal and informal speaking opportunities. Study of research process involves major documented paper.

Pre-AICE English Lit. II (Cambridge) (1005380 Two semesters. Prerequisites: Pre-AICE English Lang. I or teacher recommendation.) This course is a study of World Literature that seeks to uncover and analyze universal human truths across cultures. Students will read many novels, stories, poems and articles from foreign locales and disparate time periods. Analysis skills will be heightened through close reading and extensive discussion. The literary analysis essay is a major focus of the writing curriculum for this course, with explicit instruction, detailed grading, and avenues for revision. Creative writing genres are also explored. A comprehensive introduction to research and the research paper occurs in the spring semester. Students are also expected to read one novel outside of class in addition to the course's curriculum each nine weeks. Satisfactory progress in this course is necessary to enter AICE English at the eleventh grade level.

English III (1001370 Two semesters.) Literature study focuses on major American works. Emphasizes multi-paragraph papers. Vocabulary study and speaking experiences included. Research paper required.

English Honors III (1001380 Two semesters. Prerequisites: Grade of A in English II or A or B in English Honors II and teacher recommendation.) Critical reading and analysis of major American literary works, both in class and independently. Extensive writing required, including documented papers. Formal and informal speaking activities.

Advanced Placement English Language and Composition (1001420 Two semesters. Prerequisite: Teacher recommendation) This college level course includes the study of semantic, structural, and rhetorical resources of the English language as they relate to the principles of effective writing. It provides a variety of writing opportunities calling for the use of different styles and tones. Literature study includes written and oral analysis of American literary works representing the ethnic and cultural diversity of the

American experience. Students who perform successfully on the AP exam may receive college credit from participating colleges.

AICE English Language (Cambridge) (1001550 Two semesters. Prerequisite: Teacher recommendation/Pre-AICE English Lit. II.) College level course emphasizes critical reading, analysis of prose, sophisticated awareness of the uses of language and development of stylistic maturity of writing in a variety of forms. Emphasis on narrative, descriptive, imaginative and argumentative essays. Students must be able to both critically analyze the characteristics of each style and implement the techniques in their own writing. Numerous papers required. Documented papers required. Reading and interpretation of selected works of American fiction and non-fiction. Students who perform successfully on the Cambridge papers may receive college credit from participating colleges.

English IV (1001400 Two semesters.) Study representative examples of British literature. Writing for college and vocational experience. Documented paper required. Individual and group speaking activities.

English Honors IV (1001410 Two semesters. Prerequisites: Grade of A in English III or A or B in English Honors III and teacher recommendation.) Critical reading and discussion of major works of British literature. Includes historical and linguistic perspective. Analysis/interpretation, persuasion, and self-discovery writing required. Documented papers and projects required.

Advanced Placement Literature and Composition (1001430 Offered 12, Two semesters, Prerequisites: Teacher recommendation) This course includes subject matter covered by many colleges in freshman English. Emphasis is placed on perceptive interpretation of literature through analytical compositions to provide students with a solid foundation in literature for advanced studies and to teach them how to write analytical essays as required on the AP exam. Students who perform successfully on this exam may receive college credit from participating colleges. Documented papers required.

AICE English Literature (Cambridge) (1005370 Offered 12. Two semesters. Prerequisite: Teacher recommendation/AICE English III.) College level course emphasizes interpretation of British and world literature. Writing and in-depth literature study plus M/C tests in preparation for exams. Documented papers required. Summer reading, resume and college essay must be completed by beginning of school. Students who perform successfully on the Cambridge papers may receive college credit from participating colleges.

ENGLISH ELECTIVES

AICE Thinking Skills (Cambridge) (1700370 Offered 12. Two semesters. Prerequisite: Application only. Acceptance into Cambridge.) Thinking Skills involves the study of a range of transferable thinking skills and processes for solving problems, critical thinking and reasoning. The intent is the development of thinking skills and processes rather than the study of subject content. These skills are valuable and relevant within other areas as well as being essential for further higher education. The course aims to encourage students to apply these skills to realistic scenarios and to develop their abilities to understand and engage

confidently in argument and reasoning.

Debate I (1007330 Offered 10-12. Two semesters) The purpose of this course is to develop students' beginning awareness, understanding, and application of language arts as it applies to oral communication concepts and strategies for public debate in a variety of given settings.

Humanities I (0900310 Offered 12. Two semester.) A philosophical course devoted to developing critical and creative thinking skills. What's truth? What's beauty? How do we know what we know, if we ever do? Why be moral? What is moral? Philosophical questions contemplated. No conclusions reached. Passionate discussion, rigorous reading, time consuming projects. Not for the fainthearted nor fastidious. Students will be guided through Plato, Plutarch, Montaigne, Voltaire, Twain and others.

Yearbook I [Journalism I] (1006300 Offered 10,11,12. Two semesters. Prerequisites: None.) Work-place oriented; independent worker; positive team player; creative problem-solver; strong, creative writer; advertisement sales required; evaluation based on quality of work and production of yearbook.

Yearbook II [Journalism II] (1006310 Offered 11,12. Two semesters. Prerequisites: teacher approval.) Work-place oriented; independent worker; positive team player; creative problem solver; strong, creative writer; advertisement sales required; evaluation based on quality of work and production of yearbook.

Yearbook III [Journalism III] (10063200 Offered 12. Two semesters. Prerequisites: Teacher recommendation) Work-place oriented; independent worker; positive team player; creative problem solver; strong, creative writer; advertisement sales required; evaluation based on quality of work and production of the yearbook.

ESOL

ESOL- English for Speakers of Other Languages (English credit awarded for first ESOL class only). This class teaches international students the English Language. It focuses on grammar, listening and speaking skills, reading and writing skills and vocabulary. The class also examines and explains American culture and behavior. Students read from a variety of written materials and write extensively.

Developmental Language through ESOL

These classes offer more practice in the areas of listening and speaking or reading and writing. Students learn how to communicate effectively at school and in the community.

If an ESOL student attends two ESOL classes daily, one class will be considered an English credit. The second class will be an elective credit.

EXCEPTIONAL STUDENT EDUCATION

The curriculum for students served in the Exceptional Student Education (ESE) Program is varied to meet individual academic and vocational needs. An Individual Education Plan (IEP) is developed for each student which addresses academic and vocational needs. A course of study will be designed based on that plan. Based on a student's individual needs, several options are available for academic support:

- Standard Diploma Options: co-teach courses, support facilitation/inclusion courses, Level 1 courses, a learning strategies course is also available.
- Special Diploma Options: general education courses with modified curriculum, access courses, CBT program.

The Community Based-Training (CBT) program provides successive stages of job training in the community to prepare students to enter the work force.

FINE ARTS

The arts teach self-discipline, reinforce self-esteem, foster thinking skills and creativity, and promote teamwork and cooperation, all of which are so valued in the workplace. Most notable, though, the arts are important in and of themselves in that they are a vital and vibrant part of our personal, social, economical, and cultural environment.

Visual Arts

Art 2-D/Comp 1 (0101300 Offered 9,10,11,12. Two semesters. Prerequisite: none.) Entry level course introduces various drawing, designing, and painting activities. No previous art experience needed. Prerequisite for all other art courses.

Art 2-D/Comp 2 (0101300 Offered 10,11,12. Two semesters. Prerequisite: Art 2-D/Comp 1) Entry level course introduces various drawing, designing, and painting activities. No previous art experience needed. Prerequisite for all other art courses.

Ceramics/Pottery I (0102300 Offered 10,11,12. Two semesters. Prerequisite: Art 2-D/Comp I with a C or above.) Beginning level of study for clay, glazes, tools, skills and techniques of hand building methods of clay construction.

Ceramics/Pottery II (0102310 Offered 11,12. Two semesters. Prerequisites: Ceramics I and teacher recommendation.) Intermediate level of study for clay, glazes, tools, skills and techniques in the production of artistic clay works.

Ceramics/Pottery III (0102320 Offered 11,12. Two semesters. Prerequisites: Ceramics II and teacher recommendation.) Advanced level of study for clay, glazes, skills & techniques in the production of artistic clay works.

Portfolio I (0109310 Offered 11,12. Two semesters. Prerequisite: Ceramics III or Drawing/Painting II and teacher recommendation.) Students develop a portfolio reflecting understanding of art elements in various forms of expression. Work may be in two-dimensional or three-dimensional form.

Portfolio II (0109320 Offered 11,12. Two semesters. Prerequisite: Portfolio I and teacher recommendation.) Provides advanced understanding of aesthetic and creative factors of visual forms.

Advanced Placement 2-D Design Portfolio (0109350 Offered 11,12. Two semesters. Prerequisite: Drawing & Painting II and teacher recommendation.) Designed to address issues of two dimensional design. Prepares student to submit portfolio for evaluation by the AP Program of the College Board. Course content is determined by Advanced Placement guidelines. Requires a high degree of commitment and is designed for students seriously interested in the study of art.

Advanced Placement Drawing Portfolio (0104300 Offered 12. Two semesters. Prerequisite: Drawing and Painting II and teacher recommendation.) Designed to address drawing issues and media. Prepares student to submit portfolio for evaluation by the AP program of the College Board. Course content is determined by Advanced Placement guidelines. Requires a high degree of commitment and is designed for students seriously interested in the study of art.

Theatre

Theatre I (0400310 Offered 9, 10, 11, 12. Two semesters. Prerequisite: none.) This broad survey of theatre uses a text focusing on theatre history, literature and production with increasing emphasis on techniques and mechanics of acting, including character development, scene study, pantomime and improvisation, and production. Students are encouraged to audition for school plays and musicals.

Acting 1 (0400370 Offered 10, 11,12. Two semesters. Prerequisites: Drama I or Musical Theatre) This performance-based course will enable students to develop fundamental acting skills on an advanced level, using multiple techniques. Participation in the District II Thespian competition is encouraged.

Acting 2-4 (Offered 10,11,12, Two Semesters, Prerequisite: Must have teacher approval) This course will offer the opportunity to explore elements found in creating a theatre production from beginning to end. Students will participate in all elements of theatre production including the business and creative side of theatre. Students are required to assist in the production of Gainesville High School's stage productions and Participation in the District II Thespian Competition is required.

Technical Theatre 1 (0400410.000 Offered 9,10,11,12. Two Semesters, Prerequisite: none) Students focus on developing the basic tools and procedures for creating elements of technical theatre, including costumes, lighting, makeup, properties (props), publicity, scenery, and sound. Technical knowledge of safety procedures and demonstrated safe operation of theatre equipment, tools, and raw materials are central to success in this course. Students explore and learn to analyze dramatic scripts, seeking production solutions through historical, cultural, and geographic research. Students also learn the basics of standard conventions of design presentation and documentation; the organizational structure of theatre production and creative work in a collaborative environment; and the resulting artistic improvement. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend or participate in technical work, rehearsals, and/or performances beyond the school day to support, extend, and assess learning in the classroom.

Technical Theatre 2 (0400420.000) Offered 10,11,12. Two semesters. Prerequisites: Technical Theatre 1 and teacher approval.) Students focus on the design and safe application

of basic tools and procedures to create elements of technical theatre, including costumes, lighting, makeup, properties (props), publicity, scenery, and sound. Students develop assessment and problem-solving skills; the ability to connect selected literature to a variety of cultures, history, and other content areas. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend or participate in technical work, rehearsals, and/or performances beyond the school day to support, extend, and assess learning in the classroom.

Music

Concert Band I (Offered 9. Two semesters. Prerequisite: Middle School band experience.) This course is required for all entering 9th grade musicians at GHS. This is not a beginning band class. All members must participate in Marching Band during the first semester. Rehearsals and performances outside the school day are required.

Concert Band II, III, IV (Offered 10, 11, 12. Two semesters. Prerequisite: Previous audition ONLY.) All members must participate in Marching Band during the first semester. Rehearsals and performances outside the school day are required.

Symphonic Band I, II, III, IV (Offered 10, 11, 12. Two semesters. Prerequisite: Previous audition ONLY.) The Symphonic Band is the top performing ensemble at GHS. All members must participate in Marching Band during the first semester. Rehearsals and performances outside the school day are required.

Instrumental Ensemble I, II, III, IV (Offered 9, 10, 11, 12. Two semesters. Prerequisite: By audition. Level 1 students MUST read music. All members must participate in the Marching Band. Rehearsals and performances outside the school day are required.

Eurythmics/Guard I, II, III, IV (Offered 9, 10, 11, 12. Two semesters. Prerequisite: Previous audition after a two-week clinic in the spring of each year. All members must participate in Marching Band during the first semester and in Indoor Winter Color Guard during the second semester. Rehearsals and performances outside the school day are required.

Keyboard I (1301360 Offered 9,10,11,12. Two semesters.) This course provides students with introductory experiences on the electronic keyboard in performance skills and interpretation of simple notation. **Students are required to provide their own headphones and adapter for electric keyboards.**

Keyboard II (1301370 Offered 9,10,11,12. Two semesters.) This course is designed to provide students with the opportunity to continue instruction in varied performance techniques on the keyboard with emphasis on further developing and refining acquired keyboard skills. **Students are required to provide their own headphones and adapter for electric keyboards.**

FOREIGN LANGUAGE

Foreign Language is an elective and is not a requirement for graduation from high school. However, most universities require two consecutive years of the same foreign language for admission, and many other colleges require foreign language classes for all freshmen. Taking a foreign language will enhance the possibilities for admission into any college after graduation. In addition, studies show that students who take foreign language classes score higher on the SAT exam which further improves admission possibilities.

Students who speak another language and know other cultures have increased job opportunities as well.

American Sign Language I (1010330 Offered 10,11,12. Two semesters. Prerequisite: none.) This course is an introduction to American Sign Language (ASL) and Deaf Culture. It covers beginning ASL skills, both receptive (seeing and understanding) and expressive (signing) as well as basic conversational skills with an emphasis on vocabulary building and sentence structure.

American Sign Language II (1010340 Offered 11,12. Two semesters. Prerequisite: C or better in Sign Language I.) This course will cover more difficult vocabulary and ASL sentence structures as well as Deaf Culture and research on related exceptionalities.

(Any student with high level of outside experience in the Spanish language must meet with a Spanish teacher before registering.)

Spanish I (0708340 Offered 9,10,11,12. Two semesters. Prerequisite: A 'B' or better in previous English class) Introduces Spanish language and culture. Specific content includes skills in listening and speaking, reading and writing as well as fundamentals of grammar and culture. Emphasis will be on present tense.

Spanish II (0708350.000 Offered 9,10,11,12. Two semesters. Prerequisite: At least a C in Spanish I.) Reinforces fundamental skills acquired in Spanish I. Emphasis on grammar, reading, writing and speaking. The student will learn the past, future and conditional tenses.

Spanish III Honors (0708360 Offered 10,11,12. Two semesters. Prerequisite: At least a C in Spanish II.) Vocabulary and conversational skills expanded through discussions based on selected readings. Contemporary vocabulary stresses activities important to everyday life of Spanish speaking people. Grammar review of Spanish I and II. Subjunctive mood will be studied in addition to Spanish grammar not covered in Spanish I and II.

Spanish IV Honors (0708370 Offered 10,11,12. Two semesters. Prerequisite: At least a B in Spanish III or teacher recommendation.) More advanced language structures and idiomatic expressions studied with emphasis on conversational skills. Additional growth in vocabulary for practical purposes, including writing. Reading selections are varied and taken from newspapers, magazines and literary works.

Advanced Placement Spanish Language (0708400 Offered 11,12. Two semesters. Prerequisite: Spanish III and teacher recommendation or Spanish IV.) Develops oral and written fluency in language to prepare students to take Advanced Placement test. Content is determined by Advanced Placement Program guidelines.

Pre-AICE Spanish 1 (Cambridge) (Offered 9,10. Two semesters. Prerequisite: Cambridge Program) Develops oral and written fluency to prepare students to take the AICE Spanish exam.

Pre-AICE Spanish 2 (Cambridge) (Offered 9,10,11. Two semesters. Prerequisite: Cambridge Program) Develops oral and written fluency to prepare students to take the AICE Spanish exam.

Pre-AICE Spanish 3 (Cambridge) (Offered 10,11 Two semesters. Prerequisite: Cambridge Program) Develops oral and written fluency to prepare students to take the AICE Spanish exam.

AICE Spanish Language (Cambridge) (Offered 11,12. Two semesters. Prerequisite: Cambridge Program, Spanish 3 and

teacher recommendation.) Develops oral and written fluency to prepare students to take the AICE Spanish exam. Intensive study of the literature of five Spanish and Latin American authors. Poetry, essays, novels, and dramas from different periods will be read in Spanish.

MATHEMATICS

Students are encouraged to study mathematics at the highest level at which they can succeed.

Algebra I (1200310 Offered 9,10,11,12. Two semesters. Prerequisite: 8th grade teacher recommendation.) Structure and properties of real numbers system, solving and graphing linear equations, inequalities, systems, exponents, factoring, word problems and quadratic equations.

Algebra I Honors (1200320 Offered 9,10,11,12. Two semesters. Prerequisite: 8th grade teacher recommendation.) Provides rigorous and in-depth study of first-year algebra. Includes all topics in Algebra I and emphasizes deductive reasoning skills.

Informal Geometry (Offered 12. Prerequisite: Teacher recommendation) The fundamental purpose of the course in Informal Geometry is to extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships. Important differences exist between this Geometry course and the historical approach taken in Geometry classes. For example, transformations are emphasized early in this course. Close attention should be paid to the introductory content for the Geometry conceptual category found in the high school standards. 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.

Geometry (1206310 Offered 10,11,12. Two semesters. Prerequisite: Successful completion of Algebra 1 End of Course) Includes Euclidean geometry of lines, planes, angles, triangles, circles, area, volume, similarity, congruence and formal proof.

Geometry Honors (1206320 Offered 10,11,12. Two semesters. Prerequisite: B in Algebra I Honors, completion of Algebra 1 End of Course, and teacher recommendation.) In-depth study of geometry with emphasis on methods of formal proof.

Geometry Honors (Cambridge) (1206320 Offered 9. Two semesters. Prerequisite: 8th grade teacher recommendation and acceptance into the Cambridge/AICE program.) This is the first component of a two year math sequence in the Cambridge program. Students will pursue an extensive study of Honors Geometry plus related topics and applications specific to Cambridge examinations preparation.

Geometry Honors (Cambridge Math Team) (1206320 Offered 9. Two semesters. Prerequisite: 8th grade teacher recommendation) Honors Geometry for students with a strong math background and are prepare to go at a faster pace. One day a week will be reserved to learn and prepare for math competitions. Students will be required to participate in at least 2 math competitions during the school year.

Algebra II (1200330 Offered 10,11,12. Two semesters. Prerequisite: C or better in Algebra AND Geometry) Continued study of the structure of algebra. Includes quadratics, logarithms,

systems of equations and inequalities and complex numbers.

Algebra II Honors (1200340 Offered 9,10,11,12. Two semesters. Prerequisite: B or better in Geometry Honors AND Algebra I Honors) In-depth study of Algebra II with emphasis on theory.

Algebra II Honors (Cambridge) (1200340 Offered 9, 10. Two semesters. Prerequisite: B or better in Geometry Honors Team or Cambridge) This is the second component of a two year math course sequence which will cover advanced Algebra II topics, introduce trigonometric functions and continue preparation for Cambridge examinations.

Algebra II Honors (Math Team) (1200340 Offered 9,10. Two Semesters. Prerequisite: B or better in Geometry Honors) Honors Algebra II for students with a strong math background and are prepare to go at a faster pace. One day a week will be reserved to learn and prepare for math competitions. Students will be required to participate in at least 2 math competitions during the school year.

Liberal Arts Math (1207300 Offered 10,11,12. Two semesters. Prerequisite: teacher recommendation) Designed to strengthen mathematics skills involving first-year algebra and to introduce some geometric concepts.

Math for College Readiness (1200700 Offered 12. Two semesters. Prerequisite: PERT score below 113. This course closely mirrors the 1 semester 3-hour college course Intermediate Algebra. It is most appropriate for students entering grade 12 and scoring between 72-86 on the mathematics section of the CPT, 440-520 on the mathematics section of the SAT, or 19-22 on the mathematics section of the ACT. Students who successfully complete this course with a grade of C and who get the appropriate CPT, SAT, or ACT score are eligible for enrollment in College Algebra.

Probability and Statistics Honors(12103000 Offered 11,12. Two semesters. Prerequisite: B in Algebra 2) The purpose of this course is to explore the concepts of probability, elementary statistics, and hypothesis testing.

AP Statistics (1210320 Offered 10, 11, 12 Two semesters. Prerequisite: A in Algebra II Honors and teacher recommendation.) The course is designed for the motivated, college-bound student. The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The four broad conceptual themes are exploring data, planning a study, anticipating patterns in advance (simulation), and statistical inferences. The TI 83 or TI 84 series graphing calculator is required for this course.

Pre-Calculus (1202340 Offered 11,12. Two semesters. Prerequisites: B or better in Algebra II Honors or B in AP Statistics) Study of trigonometric and circular functions and their applications. Topics include trigonometric identities, graphs of trigonometric functions, inverses, trigonometric equations and applications of trigonometric functions. Functions, rational and polynomial functions, transformations, curve sketching, logarithms, inverse functions, conic sections, and polar functions are topics that are discussed and applied. Students successfully completing this course are prepared to take Calculus.

AICE Mathematics (Cambridge) (1202352 Offered 11. Two Semesters. Prerequisite: Teacher recommendation) This course fulfills the requirements of the AICE curriculum (exams will be taken in senior year) as well as the material discussed in Pre-Calculus. Topics such as vectors in space, sequences, series, binomial expansion, limits, and basic differentiation will be discussed. Students successfully completing this course will be prepared to take AICE/AP Calculus.

Calculus Honors (1202300 Offered 12. Two semesters. Prerequisite: B or better in Pre-Calculus with teacher recommendation) The purpose of this course is to provide a foundation for the study of advanced mathematics to include elementary functions, limits and continuity, derivatives, and differentiation.

AP Calculus AB (1202310 Offered 12. Two semesters. Prerequisite: B or better in Calculus Honors or B+ or better in AICE Math) A college level course that meets rigorous requirements established by the College Board. Topics such as derivatives, The Fundamental Theorem of Calculus, integrals, and numerous applications of these topics will be discussed. This course prepares students for the AP Calculus AB Exam. Students who have taken AICE Math may also take the Cambridge exams.

AP Calculus BC (Cambridge) (1202370 Offered 12. Two semesters. Prerequisite: A in AICE MATH or Calculus AB with teacher recommendation.) This is a college-level course that takes students through Calculus II and meets rigorous requirements established by the College Board. Students will take the AP Calculus BC and AICE exams.

NAVAL SCIENCE

The NJROTC naval science curriculum integrates six themes throughout the four years of the program: naval history, navigation, seamanship, national defense, careers and leadership. Each year's course content builds on the student's historical and technical knowledge and leadership skills. Successful completion of two or more courses qualifies the student to enlist in the armed forces at an advanced pay grade.

Naval Science I (1802300 Offered 9,10,11,12. Two semesters. Prerequisite: none.) This course provides the student with the opportunity to participate in a wide range of activities associated with Naval Military Science which serves to develop self-discipline, strengthen character, promote an understanding of the need for national security, develop respect for constituted authority in a democratic society and provide information about the military service as a possible career. Content includes naval history, the need for naval sea power, seamanship, navigation, geography, athletics, commands, drill and ceremonies.

Naval Science II (1802310 Offered 10, 11, 12. Two semesters. Prerequisite: Naval Science I.) Content includes naval history, first aid and health education, seamanship and shipboard indoctrination, navigation, oceanography, leadership, national security, career planning, athletics, drill and ceremonies. Successful completion of Naval Science II qualifies the student to enlist in the armed forces at an advanced pay grade (E-2).

Naval Science III (1802320 Offered 11,12. Two semesters. Prerequisite: Naval Science II.) Content covered includes naval history, sea power and geopolitics, American democracy, meteorology and weather, astronomy, electricity and naval

electronics, survival training, naval service career planning, drill, and ceremony leadership. Successful completion of Naval Science III qualifies the student to enlist in the armed forces at an advanced pay grade (E-3.)

Naval Science IV (1802330 Offered 12. Two semesters. Prerequisite: Naval Science III.) Content covered includes naval history, international law and the sea, national strategy and naval tactics, naval weapons, naval and maritime logistics, naval research and development, military justice, naval leadership, naval service career planning, administration, drill instruction and practical leadership.

PHYSICAL EDUCATION

Basketball (1503310 Offered 9,10,11,12. One semester) Provides opportunities to acquire skills and knowledge in basketball.

HOPE (1506310.000/1506320 Offered 9. Two semesters.) New graduation requirement beginning with class of 2011.

Team Sports I (1503350 Offered 9,10,11,12. One semester.) Provides opportunities to acquire knowledge and strategies of team sports play.

Team Sports II (1503360 Offered 10,11,12. One semester.) Continuation of Team Sports I.

Beginning Weight Training (1501340 Offered 10,11,12. One semester.) Provides opportunities to acquire knowledge and skills in weight training.

Intermediate Weight Training (1501350 offered 10,11,12. One semester) Provides further opportunities to acquire knowledge and skills in weight training.

Advanced Weight Training(1501360 Offered 11, 12. One semester. Prerequisite: Intermediate Wright Training.) A continuation of Intermediate Weight Training.

SCIENCE

The goal of all courses in the science curriculum is to prepare students to be responsible caretakers of their environment and to learn process skills that will enable them to function in a technological society. Several programs are available in science depending upon ability and career goals. The regular program provides a survey-level background for both college bound and non-college bound students. The Honors program is designed for the college-bound student interested in taking more advanced courses in science. The AP and AICE programs offer the maximum opportunity for advanced studies in science.

Anatomy and Physiology (200350 Offered 11, 12. Two semesters. Prerequisite: Teacher recommendation.) Provides students with general exploratory activities in structure and function of systems of the human body.

Anatomy and Physiology Honors (2000360 Offered 11,12. Two semesters. Prerequisites: Biology and teacher recommendation.) Provides students with general exploratory activities in structure and function of systems of the human body.

Anatomy and Physiology Honors (AHP) (2000360 Offered 12. Two semesters. Prerequisite: acceptance in Acad. of Health Professions.) Senior level science course for AHP students with an emphasis on allied health applications. SFC final exam will be administered at the end of this course for credit.

Biology I (2000310 Offered 10. Two semesters.) Provides general exploratory experiences and activities in fundamental concepts of life. Includes scientific method, cell biology, genetics, biological changes through time, classification, microbiology, plants, animals, human body systems and ecology. Laboratory investigations are an integral part of this course.

Biology I Honors (2000320 Offered 10. Two semesters. Prerequisite: B or better in Physical Science or a C or better in Earth/Space Science Honors) Provides comprehensive survey of biology and foundation for more advanced science courses. Includes scientific method, biochemistry, cell biology, cell reproduction, genetics, biological change through time, classification, microorganisms, plants, animals, human body, and ecology. Laboratory investigations are an integral part of this course.

Biology I Honors (AHP & AFT) (2000310 Offered 9. Two Semesters. Prerequisite: acceptance into Academy of Health Professions or Academy of Future Teachers) Honors level curriculum with a focus on human biology and concerns. This course provides a foundation for future success in the AHP course load. Includes: cells, microbiology, biochemical processes, ecology, evolution, and disease studies.

Pre-AICE Biology (Cambridge) (2000322 Offered 9. Two semesters. Prerequisite: 8th grade science teacher's recommendation and acceptance in the Cambridge program.) This course is a challenging, concept-oriented and hands-on course designed to provide a strong foundation for AICE Biology. This course explores all major systems of animals and plants. Strongly recommended to all students planning to participate in AICE Biology.

AICE Biology/AP Biology - A Level (Cambridge) (2000321 Offered 12. Two semesters. Two period block. Prerequisites: Pre-AICE Biology, Pre-AICE Chemistry; Co-requisite Pre-Calculus of higher) College level course in biology. An in-depth investigation of cells, biological molecules, transport gas exchange and interrelationships among organisms. Strong emphasis on laboratory work. Prepares students for A Level papers and the AP Biology exam.

Chemistry I (2003340 Offered 11,12. Two semesters. Prerequisites: .B. average in Biology I; .C. average Algebra I or higher.) Study of composition, properties, and changes associated with matter. Includes classification and structure of matter; atomic theory; periodic table; bonding; chemical formulas and reactions; balanced equations; behavior of gases; physical changes; acids, bases and salts; and energy associated with physical and chemical changes.

Chemistry I Honors (2003350 Offered 11,12. Prerequisites: Two years of math, B average in Biology 1 Honors, B average in Algebra I Honors and B average in Geometry 1 Honors (or higher) and higher and recommendation of previous science teacher. Co-requisite: Algebra II Honors or Geometry Honors.) Rigorous study of composition, properties, and changes associated with matter. Laboratory investigations are an integral part of this course.

Pre-AICE Chemistry (Cambridge) (2003372 Offered 10. Prerequisite: Pre-AICE Biology or Pre-AICE Physics) Rigorous study of composition, properties and changes associated with matter. Laboratory investigations are an integral part of this course.

AICE Chemistry/AP Chemistry - A Level (Cambridge) (2003431/2003370 Offered 11,12. Two semesters. Two-period block. Prerequisites: Pre-AICE Chemistry and approval of instructor.) College level course in chemistry. Prepares student seeking credit and/or appropriate placement in college chemistry courses. Includes structure of matter, chemical reactions and descriptive chemistry. Laboratory investigations are an integral part of this course.

Earth/Space Science Honors (2001320 Offered 9. Two Semesters. Prerequisite: B in 8th grade science.) Honors level curriculum designed to instill in the student a comprehensive knowledge of the materials that make up the Earth and the processes associated with it. This course also includes environmental concepts including water and air pollution and climate change.

Earth/Space Science Honors (AHP) (2001320 Offered 10. Two Semesters. Prerequisite: acceptance into Academy of Health Professions.) Honors level curriculum designed to instill in the student a comprehensive knowledge of the materials that make up the Earth and the processes associated with it. This course also includes environmental concepts including water and air pollution and climate change.

Environmental Science (2001340 Offered 11,12. Two semesters. Prerequisite: Two previous years of science.) Provides students with study of man's interaction with his environment. Includes pollution, conservation, environmental planning and policy, public land usages, population dynamics and major forms of energy. This class has a strong outdoors field component involving observation and data collection.

AP Environmental Science (2001380 Offered 11,12. Two semesters. Prerequisites: Biology I with a C or better, Chemistry I with a C or better or strong recommendation of former instructor.) College level course which emphasizes the ecological, chemical, physical and biological dimensions of man's interaction with his environment. Extensive lab work, field work, outside reading, and an original research project are required. Prepares students for the AP Environmental Science Exam.

AICE Marine Biology (Offered 10,11,12. Two semesters. Prerequisites: Pre-AICE Biology) The emphasis throughout is on the understanding of concepts and the application of ideas to new contexts as well as on the acquisition of knowledge, and the course encourages creative thinking and problem-solving skills which are transferable to any future career path. It is also suitable for candidates intending to pursue careers or further study in shipping, fisheries, tourism or aquaculture, or as part of a course of general education. It is expected that practical activities will underpin the teaching of the whole course, and learners may be asked about practical activities in examination questions, but there is no practical paper and no coursework.

AICE Environmental Management (Cambridge) (Offered 11,12. Two semesters. Prerequisites: A in Pre-AICE Biology and Pre-AICE Chemistry) The purpose of this course is to develop and apply concepts basic to Earth, its materials, processes, history, and environment in space. The content shall include, but not be limited to: internal structure of earth evidence; of plate tectonics; formation of rocks; weathering and erosion; soil structure; distribution of global water supplies; water cycle; properties of water and their environmental consequences; ocean currents and climate; rainfall and climate; structure and composition of the atmosphere; carbon

cycle; nitrogen cycle; formation and function of stratospheric ozone; wind movement; earth in the solar system; solar radiation; interaction of electromagnetic radiation with the earth's surface; greenhouse effect; ecosystems and biomass; population dynamics. Each student will design and carry out an original research project, and take the Cambridge AICE exam.

Physical Science (2003310 Offered 9. Two semesters. Prerequisite: none.) An entry level course that explores the relationship between matter and energy. Students will investigate physical science concepts in physics and chemistry through an inquiry-based approach.

Pre-AICE Physics (Cambridge) (2003432 Offered 9,10. Two semesters. Prerequisite: Acceptance into Cambridge Program. Co-requisite: Algebra 2 Honors or higher) This exciting course will offer the student a "hands on" experience in a host of physics topics including: lenses and mirrors, heat and energy, forces and motion, electrical circuits, magnets, and atomic matter. This course is a conceptual course but students should be comfortable with basic Algebra skills. Labs such as egg drops, Slinky waves, laser beam races, lens explorations and many more will be run regularly in order to continue to develop laboratory skills.

Physics I Honors (2003390 Offered 11,12. Two semesters. Prerequisite: B or better in Geometry. Co-requisite: Algebra 2 Honors or higher) The course is intended for students who have done well in math and who are possibly interested in a science major in college. This class emphasizes problem-solving skills and has a strong lab component. It also covers traditional physics concepts like Newtonian Mechanics, Gas Laws and Fluid Mechanics. This course is a good preparatory course for AP Physics.

AICE Physics 1 (Cambridge) (2003431 Offered 11,12. Two semesters. Prerequisite: Acceptance into Cambridge Program, Algebra 2. Co-requisite: Pre-Calculus.) This course offers a combination of theoretical and practical studies leading to an understanding of the more advanced principles of Physics. Students will sit for three AS papers.

AICE Physics 2(Cambridge) (2003433 Offered 11,12. Two semesters. Prerequisite: Acceptance into Cambridge Program, AICE Physics 1, teacher approval Co-requisite: AICE Math) This course is a continuation of the AICE Physics sequence.

Advanced Placement Physics 1 (2003421 Offered 11,12. Two semesters. Prerequisite: teacher approval. Co-requisite: Math Analysis, Pre-Calculus or higher.) This fast-paced course covers all concepts of physics. Problem-solving skills development is emphasized in this class, and thus assumes strong math competencies in algebra and trigonometry before entering. Having honors physics before this course is very beneficial BUT is NOT required. This course is essential for those considering majors in engineering, architecture, medicine or science

Advanced Placement Physics C (2003430 Offered 12. Two Semesters. Prerequisite: AP Calculus and teacher approval.) This course is covers Newtonian physics and electricity and magnetism and is designed for the student who intends to pursue engineering. Methods of Calculus are used wherever appropriate,

SOCIAL STUDIES

Social Studies is the curriculum area that allows students the opportunity to explore the past and analyze the present. Students are exposed to the democratic process and its evolution over time

as well as to the study of the contributions of past civilizations and their impact on the present. Students examine the economic, social, religious, military, scientific, technical, and cultural events of nations. Elective courses provide opportunities for students to explore the behavior of societies and of individuals.

Advanced Placement American Government (Offered Grades 10,11,12. One Semester. Prerequisite: AP American History or approval of AP instructor.) This course gives the highest level of critical prospective on politics and government in the U.S. It involves study of general concepts used to interpret American politics and analysis of specific case studies. It also requires familiarity with various institutions, groups, beliefs, and ideas making up political reality. It requires a higher level of critical thinking and analysis than American Government Honors. This is a college-level course.

Advanced Placement United States History (2100330 Offered 11. Two semesters. Prerequisite: Approval of AP instructor.) Develops analytical skills and factual knowledge necessary to deal critically with problems, content and materials of American historical development. Focuses on persistent themes and changes in history and applies historical reasoning to seek solutions to contemporary problems.

Advanced Placement Microeconomics (2102360) Offered 10,11,12. One semester. Prerequisite: AP American History or approval of AP instructor.) AP Microeconomics analyzes the decision-making undertaken by households, firms, and governments in answering the basic economic questions of what to produce, how to produce, and for whom to produce. This course requires the ability to do market analysis and evaluation of economic theories. It uses marginal analysis in determining the decision making process made by firms. It is a look at the individual parts that make up the capitalist system as opposed to the economy as a whole. This is a college-level course.

Advanced Placement World History (Cambridge) (2109420 Offered 9. Two semesters. Prerequisite: 8th grade teacher recommendation and acceptance in the Cambridge program. Note: This course is the Pre-AICE World History course in the 9th grade year.) The purpose of this course is to develop greater understanding of the evolution of global processes and contacts in different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills including the processes and causes involved in continuities and changes. The course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies. It emphasizes relevant factual knowledge, leading interpretive issues, and skills in analyzing types of historical evidence.

AICE Economics (Cambridge) (2102322 Offered 12. Two semesters. Prerequisite: AICE U. S. History.) Course provides students with the knowledge and decision-making tools necessary for understanding how society organizes its limited resources to satisfy its wants. Students will gain understanding of choices they must make as producers, consumers, investors and taxpayers. They will learn how to interpret economic information presented in verbal, numerical or graphical form. They will become proficient at explaining and analyzing economic issues and arguments, using relevant economic concepts, theories and information.

AICE United States History (Cambridge) (2100500 Required for all Cambridge Juniors. Two semesters.) Develops

an awareness of historical concepts such as change and periods of history and differing interpretations of particular historical issues and to think independently and make informed judgments of issues. Focuses on key developments that transformed the US from an isolated agrarian society to the world's leading superpower in terms of economic strength, military power, political and diplomatic influence, and cultural and social impact on other nations and peoples. Course covers the following themes: The Road to Secession and Civil War, Westward Expansion and the Taming of the West, Civil War and Reconstruction, The Impact of Economic Expansion, Civil Rights, Boom and Bust, The USA's Rise as a World Power and Social Developments.

American Government (2102310 Offered 12. One semester. Prerequisite: none.) This course gives students basic understanding of politics and government in the U.S. Involves basic study of general concepts used to interpret American politics and analysis of specific case studies. It provides familiarity with various institutions, groups, beliefs, and ideas making up political reality.

American Government Honors (2106320 Offered 12. Two semesters. Prerequisite: recommendation of honors level social studies teacher.) This course provides students with a higher level of analysis of politics and government in the U.S. It involves general concepts used to interpret American politics and analysis of specific case studies. It requires familiarity with various institutions, groups, beliefs, and ideas making up political reality.

United States History (2100310 Offered 11. Two semesters. Prerequisite: none.) Provides understanding of chronological development of American people by examining political, economic, social, religious, military, scientific and cultural events that have affected the rise and growth of our nation.

United States History Honors (2100320 Offered 11. Two semesters. Prerequisite: B or higher in English II Honors or teacher recommendation.) Provides a comprehensive understanding of chronological development of military, scientific, and cultural events that have affected the rise and growth of our nation.

Economics with Financial Literacy (2102335 Offered 12. One semester. Prerequisite: none.) Economics is a basic study of economic analysis that studies decision-making undertaken by households, firms, and the government in deciding what to produce, how to produce, and for whom. This course includes basic concepts and principles such as scarcity, supply and demand, marginal analysis and economic theories. It also incorporates useful tools that students will need in their adult lives, such as opening a banking account, buying a car, shopping online, etc.

Economics Honors with Financial Literacy (2102345

Offered 12. One semester. Prerequisite: Teacher recommendation.) Honors Economics studies the decision-making undertaken by individuals and firms. It includes basic concepts and principles such as scarcity, supply and demand, marginal analysis and economic theories.

World History (2109310 Offered 9,10. Two semesters. Prerequisite: none.) Studies chronological development of civilization by examining political, economic, social, religious, military, scientific and cultural events that have affected humanity.

World History Honors (2109320 Offered 9,10. Two semesters. Prerequisite: teacher recommendation.) Comprehensive study of past, interpretations of change and process in development of humanity. Analyzes political, economic, social, religious, military, dynastic, scientific, and cultural events shaping and molding humanity. Gives students an understanding of historical method, inquiry process, historical reasoning and interpretation, and issues of external and internal validity.

SOCIAL STUDIES ELECTIVES

Advanced Placement European History (2109380 Offered 10. Two semesters. Prerequisite: Teacher recommendation)

Develops analytical skills and factual knowledge necessary to deal critically with problems, content, and materials of European historical development. Focuses on persistent themes and changes in history by applying historical reasoning to seek solutions to contemporary problems

Advanced Placement Psychology (2107350 Offered 11,12. Two semesters. Prerequisite: A in Honors English or History class.) Content will include but is not limited to learning states of consciousness, motivation, theory, abnormal and social psychology and cognition. Students will better understand human behavior, development and interaction. Emphasis will be on materials for the Advanced Placement Psychology exam.

AICE Psychology (Cambridge) (2107360 Offered 10,11,12. Two semesters. Prerequisite: Acceptance into Cambridge Program) Content will include but is not limited to learning states of consciousness, motivation, theory, abnormal and social psychology and cognition. Students will better understand human behavior, development and interaction. Emphasis will be on case studies required for the AICE Psychology exam.

Global Perspectives Research (Cambridge) (1700364. N10 Required for ALL Grade 12 CAMBRIDGE Students. Two semesters.) This course equips students with the critical research and study skills they need to make a successful transition to study in higher education. It focuses on critical thinking, independent study, extended writing, reflection on learning, presentation skills, and transdisciplinary study.

Psychology I (2107300 Offered 10,11,12. Two semesters. Prerequisite: None) Through the study of psychology, students acquire an understanding of and an appreciation for human behavior, behavior interaction and the progressive development of individuals. The content examined in this first introductory course includes major theories and orientations of psychology, psychological methodology, memory and cognition, human growth and development, personality, abnormal behavior, psychological therapies, stress/coping strategies, and mental health.

STUDENT SERVICE ELECTIVES

Leadership Skills Development (2400300 Offered 9 Two semesters. Prerequisite: application, interview and teacher approval.) Laboratory class teaching basic concepts of democratic government, leadership skills, parliamentary procedure, group process, leadership practice and planning, and organization. Provides opportunity to develop speaking, debating and writing skills; to improve courtesy, confidence, poise and appearance; to work with peers of diverse backgrounds and attitudes; and to share responsibilities with adults. Leadership Skills Development is a curriculum that promotes the growth of leadership skills among members of the student body. **Only students elected for student government positions are enrolled in this class.**

Leadership Techniques (2400310 Offered 10 Two semesters. Prerequisite: application, interview and teacher approval.) Laboratory class teaching basic concepts of democratic government, leadership skills, parliamentary procedure, group process, leadership practice and planning, and organization. Provides opportunity to develop speaking, debating and writing skills; to improve courtesy, confidence, poise and appearance; to work with peers of diverse backgrounds and attitudes; and to share responsibilities with adults. Leadership Skills Development is a curriculum that promotes the growth of leadership skills among members of the student body. **Only students elected for student government positions are enrolled in this class.**

Peer Counseling 1/2 (1400300/1400310 Offered 11 Two semesters **Must submit application**) The purpose of this course is to enable students to develop basic knowledge and skills in communication, meeting human needs, and conflict resolution. **Only students elected for student government positions are enrolled in this class.**

Peer Counseling 3/4 (1400320/1400330 Offered 12 Two semesters. **Must submit application.**) The purpose of this course is to enable students to develop intermediate-level knowledge and skills in communication, personal and group dynamics, and conflict resolution. **Only students elected for student government positions are enrolled in this class.**

Voluntary Public Service (0500370 Offered 10,11,12. Two semesters.) Student aides will be assigned to one of several areas: guidance, dean, attendance or other assignments as designated by Assistant Principal. All GHS rules, policies, and expectations pertain to the student aide assignment. Students enrolled in Voluntary Public Service will receive volunteer hours and NO credit for the course. **Student must be in good standing and an application is required**

Executive Internship I (0500300 Offered 10,11,12. Two semesters.) Student aides will be assigned to one of several areas: guidance, dean, attendance or other assignments as designated by Assistant Principal. All GHS rules, policies, and expectations pertain to the student aide assignment. Students enrolled in Executive Internship will receive a grade and an elective credit for the course. **Student must be in good standing and an application is required**

