

NEWBERRY HIGH SCHOOL

PROGRAM OF STUDIES

2020-2021



TABLE OF CONTENTS

MESSAGE FROM THE PRINCIPAL 2

PROGRAM OF STUDIES 3

REGISTRATION INFORMATION 3

VISION STATEMENT 5

HIGH SCHOOL GRADUATION PROGRAMS OVERVIEW 6

 24-CREDIT STANDARD DIPLOMA 6

 18-CREDIT ACCEL DIPLOMA 6

GRADE LEVEL CLASSIFICATION 7

BRIGHT FUTURES SCHOLARSHIP PROGRAM 7

NEWBERRY HIGH SCHOOL GOLD SEAL PROGRAMS 8

 BUSINESS 8

 CRIMINAL JUSTICE ACADEMY (Magnet Program) 8

 CULINARY ARTS 8

 ANIMAL SERVICES 8

CHOOSING A PROGRAM 9

 ADVANCED PLACEMENT 9

 AP CAPSTONE 9

 FLORIDA VIRTUAL SCHOOL 9

 ALACHUA eSCHOOL 9

 UNIVERSITY OF FLORIDA DUAL ENROLLMENT 10

 SANTA FE COLLEGE DUAL ENROLLMENT 10

 NCAA 10

COURSES OFFERED 11

MESSAGE FROM THE PRINCIPAL

Welcome to Newberry High School!

At Newberry High School, we are committed to the success of ALL students. 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 that 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 them for their career goals. In your planning, remember that graduation requirements are the minimum you must take to earn a high school diploma and are currently based on the year you first enter high school.

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. With this course directory, and by keeping everyone involved, students should make better-informed decisions.

Sincerely,

James Sheppard
Principal



PROGRAM OF STUDIES

This *Newberry High School Program of Studies* has been prepared to assist parents and students in planning for high school. Please thoroughly review the information to become familiar with the wide variety of programs and courses that are available. (Please note that not all courses listed in the Program of Studies are available every year.)

As you plan your program of learning experiences, we suggest you do the following:

1. Analyze your strengths, limitations, interests, and future goals.
2. Discuss your educational and vocational plans with your parents, teachers, and guidance counselor.
3. Base your school program and course selections on information from the sources above. Remember, the courses you select will determine your route to learning and influence which courses will be offered.

Newberry High School is dedicated to helping you achieve your maximum potential. We hope that we can help make your high school experiences meaningful, pleasant, and rewarding. To help you succeed during your time at Newberry High School, we offer a wide range of courses that include academic, vocational, and elective classes. You may also visit our website at [Newberry High School](#) for more information.

REGISTRATION INFORMATION

Registration for the following school year begins in March with middle school teachers discussing possible course selections with their students and end in May with final registration for all students. It is critical that parents remain involved with their students throughout this process. Decisions made will have far-reaching effects, and it is important that parents and students carefully consider the choices available.

In the Spring, Newberry High School teachers will recommend students for English, Mathematics, Sciences, and Social Studies courses, as well as selected electives. Recommendations for these courses is based on teacher endorsement, the student's performance in previous coursework and prerequisites, and scores on standardized tests.

In mid-March, students register for their remaining courses. Newberry High School has made a commitment to resolve all scheduling conflicts prior to the students' return to school in

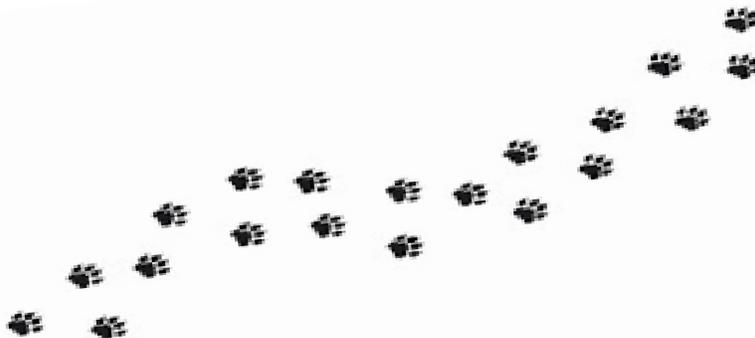
August for the next school year. To facilitate this process, students need to select three year-long alternate courses (or the equivalent) at the time of registration. If the use of an alternate course resolves a scheduling conflict, the alternate is added to a student's schedule. This process makes the selection of alternate courses extremely important, since they may actually be used. Choices need to be made thoughtfully and carefully. If a student has a serious conflict, contact will be made during the summer to discuss other options, provided the school has a current phone number.

If parents and students wish to override a teacher's recommendation in the areas of English, Mathematics, Sciences, or Social Studies, parents should seek a waiver from the Assistant Principal. Consideration of a parent waiver should be taken very seriously, as it is a binding decision. The window of time for processing waivers is late May through the last full week in June. All other requests for changes in course selections may also be made at this time through the Guidance Office; however, it is important to note that after the end of June NO requests for a change may be made. Since the District requires completion of the master schedule very early, the deadline for changes is firm.

When school begins in August, the only student / parent-generated requests for change permitted are the following:

1. The student has already received credit for the course in which he / she is enrolled;
2. The student needs a credit in a course in order to meet graduation requirements (applies to Seniors only); or
3. The student needs a course in order to meet the requirements of a state scholarship program, such as Bright Futures Scholarship Program (applies to Seniors only).

While we endeavor to satisfy all of our students' course and scheduling requests, we are bound to maximum class-size enrollments in our core academic subjects, per state law.



VISION STATEMENT

We will graduate students who have the knowledge, skills, and personal characteristics to be lifelong learners and independent thinkers. Our graduates will excel in their chosen careers and be productive and contributing members of the global community.



HIGH SCHOOL GRADUATION PROGRAMS OVERVIEW

Newberry High School students may choose from the following graduation programs:

- ❖ 24-credit Standard Diploma
- ❖ 18-credit ACCEL Diploma

Both of these graduation paths include opportunities to take rigorous academic courses designed to prepare students for their future academic and career choices. All students, regardless of graduation program, must earn a minimum 2.0 Grade Point Average (GPA) on a 4.0 unweighted scale and earn passing scores on the Florida Standard Assessments (FSA) in order to graduate. The Diploma Requirements from the Florida Department of Education can be found [here](#).

For more information about a special diploma and other graduation options for students with disabilities, contact your guidance counselor or exceptional education teacher, or visit the [Florida Department of Education](#).

All students are strongly encouraged to meet with their guidance counselor regularly to plan and monitor their progress towards high school graduation. In addition to the *Newberry High School Program of Studies*, students should also become familiar with the important information found in the [Alachua County Public Schools Pupil Progression Plan](#).

24-CREDIT STANDARD DIPLOMA

This program requires students take at least 24 credits in subject areas such as English, Mathematics, Sciences, Social Studies, Fine or Practical Arts, and a Physical Education course which includes an integration of health. Foreign language credits are not required for this program, although it is recommended for community college preparation and is required for admission to Florida's state universities. This program offers students the chance to take eight elective credits.

18-CREDIT ACCEL DIPLOMA

This program requires students to take at least 18 credits in subject areas such as English, Mathematics, Sciences, Social Studies, and Fine or Practical Arts. Students are only required to take three elective credits, and the Physical Education and online courses are not required. All other graduation requirements remain the same as the 24-credit Standard Diploma.

GRADE LEVEL CLASSIFICATION

At the beginning of each school year, the grade level classification is determined by the total number of earned high school credits.

CLASSIFICATION CREDITS:

9 th Grade:	Complete 8 th Grade
10 th Grade:	4 credits
11 th Grade:	10 credits
12 th Grade:	16 credits
Graduation:	24 credits

BRIGHT FUTURES SCHOLARSHIP PROGRAM

The State of Florida Bright Futures Scholarship Program is a wonderful opportunity for qualified students to earn scholarship money to assist in paying college costs.

All students must meet general eligibility criteria, which include:

- ❖ Being a Florida resident;
- ❖ Graduating from a Florida high school;
- ❖ Not being guilty of a felony;
- ❖ Begin using the award within three years of graduation; and
- ❖ Attending an eligible Florida college or university.

Students apply during the second semester of their Senior year with the Florida Department of Education's Office of Student Financial Assistance, managers of the program. The Office of Student Financial Assistance will evaluate transcripts, award scholarships, notify students of their award status, and determine on-going eligibility.

Information about the scholarship is available through the [Florida Shines website](#), the state's academic / career advisement site. Students can set up personal accounts through [MyCareerShines for Middle and High School](#). Further information is available at the [Office of Student Financial Assistance](#) or call toll free (888) 827-2004.

NEWBERRY HIGH SCHOOL GOLD SEAL PROGRAMS

BUSINESS

Digital Information Technology
Digital Design 1
Digital Design 2
Digital Design 3

CRIMINAL JUSTICE ACADEMY (Magnet Program)

Criminal Justice Operations 2 (9th Grade)
Criminal Justice Operations 3 (10th Grade)
Criminal Justice Operations 1 (11th Grade)
Law, Public Safety and Security (12th grade)
Criminal Justice Operations 4 (12th grade)

CULINARY ARTS

Culinary Arts 1
Culinary Arts 2
Culinary Arts 3

ANIMAL SERVICES

AgriScience Foundations 1
AgriTechnology 1
AgriTechnology 2
Advanced Concepts in AgriScience



CHOOSING A PROGRAM

ADVANCED PLACEMENT

During the 9th through 12th grades, various accelerated, in-depth college courses designated Advanced Placement (AP) are available to qualified students. College admissions and placement personnel recognize the difficulty of AP courses, and AP courses are noted on a student's recognized high school transcript. Taking AP courses enhances a student's college admission status. At the conclusion of an AP course, students take the AP exam covering the subject or subjects studied. The exams are written and graded by the AP Program of the College Board. Colleges and universities may use the scores for placement purposes. High scores usually grant students college credit and / or exempt students from college freshmen courses. For more information, visit the [College Board](#).

AP CAPSTONE

AP Capstone is an innovative diploma program from the College Board that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. AP Capstone is built on the foundation of two AP courses – AP Seminar and AP Research – and is designed to complement and enhance the in-depth, discipline-specific study experienced in other AP courses. Students who earn scores of 3 or higher on the AP Seminar and AP Research exams and on four additional AP exams of their choosing will receive the AP Capstone Diploma. Students who earn scores of 3 or higher on the AP Seminar and AP Research exams but not on four additional AP exams will receive the AP Seminar and Research Certificate. For more information, visit the [AP Capstone Diploma Program](#).

FLORIDA VIRTUAL SCHOOL

The Florida Virtual School (FLVS), a national leader in online instruction, offers high quality, online high school curricula, including Advanced Placement courses. To register for courses, students must create an account at [FLVS](#), request the course(s), obtain parental approval, and guidance counselor approval. Students must pass at least one online course in order to graduate from high school. A list of courses currently offered by FLVS can be found [here](#).

ALACHUA eSCHOOL

Alachua eSchool is operated by Alachua County Public Schools under a franchising agreement with Florida Virtual School. Alachua eSchool offers high quality, technology-based education to middle and high school students living in Alachua County. The internet-based courses may be used to satisfy graduation or promotion requirements, make up credits, or accelerate a program of studies. Alachua eSchool is offered during every period of the school day at Newberry High School. Students may be placed in eSchool by request or if class sizes reach their cap of 25 students. Students must pass at least one online course

in order to graduate from high school. A list of courses currently offered by Alachua eSchool can be found [here](#).

UNIVERSITY OF FLORIDA DUAL ENROLLMENT

Qualified students may be able to dual enroll at the University of Florida to receive credit toward high school and college. Information and applications regarding this program are available at the [UF Center for Pre-collegiate Education and Training](#). All University of Florida dual enrollment applications must be submitted to Jennifer Taylor at the Student Services Department of the School Board of Alachua County. Contact Ms. Taylor at (352) 955-7671, extension 1610, for additional information.

SANTA FE COLLEGE DUAL ENROLLMENT

Students interested in participating in Dual Enrollment at Santa Fe College will apply directly to the Dual Enrollment Program. Information and applications are mailed directly to all 10th and 11th grade students by the Dual Enrollment Program each Spring and are also available online. Students should contact Santa Fe College for additional information about requirements, deadlines, and paperwork. For additional information, visit [Santa Fe College Dual Enrollment](#) or call (352) 395-5490.

NCAA

Student athletes interested in competing in college sports need to discuss the requirements to become eligible for NCAA scholarships with their coaches and guidance counselor. There are three divisions within the NCAA eligibility and more information is available [here](#). College-bound student athletes preparing to enroll in a Division I or Division II school need to register with the [NCAA Eligibility Center](#).



COURSES OFFERED

AGRICULTURE	Law, Public Security and Safety (12 th grade)
AgriScience Foundations 1	Criminal Justice Operations 4 (12 th grade)
AgriTechnology 1	CULINARY ARTS
AgriTechnology 2	Culinary Arts 1
Advanced Concepts in AgriScience	Culinary Arts 2
ARTS	Culinary Arts 3
Band 1	DRIVER EDUCATION
Band 2	Driver Education
Band 3	EXCEPTIONAL STUDENT EDUCATION
Band 4	ACCESS English 1 / 2 / 3 / 4
Band 5 Honors	ACCESS Liberal Arts Math
Band 6 Honors	ACCESS Algebra 1A
Chorus 1	ACCESS Algebra 1B
Chorus 2	ACCESS Geometry
Guitar 1	ACCESS Integrated Science 1
Guitar 2	ACCESS Biology
AP Music Theory	ACCESS Earth / Space Science
Two-Dimensional Studio Art	ACCESS World History
BUSINESS	ACCESS US History
Digital Information Technology	ACCESS US Government
Digital Design 1	ACCESS Economics
Digital Design 2	ACCESS H.O.P.E.
Digital Design 3	Learning Strategies 9-12
CRIMINAL JUSTICE ACADEMY (Magnet Program)	Unique Skills: 9-12
Criminal Justice Operations 2 (9 th grade)	FOREIGN LANGUAGE
Criminal Justice Operations 3 (10 th grade)	Spanish 1

Criminal Justice Operations 1 (11 th grade)	Spanish 2
Spanish 3 Honors	Pre-calculus Honors
LANGUAGE ARTS	Probability & Statistics w/Applications Hon
English 1	AP Calculus AB
English 1 Honors	AP Statistics
English 2	MEDIA (Yearbook)
English 2 Honors	Journalism 1
English 3	Journalism 2
English 3 Honors	Journalism 3
AP English Language and Composition	PHYSICAL EDUCATION
English 4	H.O.P.E.
English 4 Honors	Individual and Dual Sports 1
AP English Literature and Composition	Individual and Dual Sports 2
Reading 1	Individual and Dual Sports 3
Reading 2	Team Sports 1
Reading 3	Team Sports 2
Reading for College Success	Weight Training 1
Critical Thinking and Study Skills	Weight Training 2
AP Capstone Seminar	Weight Training 3
AP Capstone Research	SCIENCES
MATHEMATICS	Environmental Science
Liberal Arts Math 1	Environmental Science Honors
Algebra 1	Biology 1
Algebra 1 Honors	Biology 1 Honors
Informal Geometry	Marine Science 1
Geometry	Forensic Science 1
Geometry Honors	Anatomy and Physiology
Math for College Readiness	Anatomy and Physiology Honors
Algebra 2	Chemistry 1

Algebra 2 Honors	Chemistry 1 Honors
Physics 1 Honors	US Government
AP Biology	Economics
AP Environmental Science	US Government Honors
AP Chemistry	Economics Honors
SOCIAL STUDIES	AP US Government and Politics
World History	AP Microeconomics
World History Honors	STUDENT LEADERSHIP
US History	Executive Intern (Office Aide)
US History Honors	Executive Intern (TV Production)
AP US History	

We are Panther Family!



COURSE OFFERINGS

The following segments contain detailed information about course offerings at Newberry High School by field of study, including prerequisites and course descriptions:

AGRICULTURE.....	15
ARTS	16
BUSINESS.....	18
CRIMINAL JUSTICE ACADEMY (Magnet Program)	19
CULINARY ARTS	21
DRIVER EDUCATION	22
EXCEPTIONAL STUDENT EDUCATION.....	22
FOREIGN LANGUAGE.....	25
LANGUAGE ARTS	26
MEDIA (Yearbook).....	33
PHYSICAL EDUCATION	34
SCIENCES.....	36
SOCIAL STUDIES	39
STUDENT LEADERSHIP	42



AGRICULTURE



AGRISCIENCE FOUNDATIONS 1 (8106810)

Grades 9-11

1.0 EQ Credit – 2 Semesters

This course is designed to develop competencies in the areas of agricultural history and the global impact of agriculture, career opportunities, scientific and research concepts, biological and physical science principles, and environmental principles. Students will also learn about agriscience safety, principles of leadership, agribusiness, employability, and human relations skills in agriscience. This course counts as a science credit.

AGRITECHNOLOGY 1 (8106820)

Grades 10-12

1.0 EL Credit – 2 Semesters

Prerequisite: AgriScience Foundations 1

This course is designed for students to continue developing competencies in the areas of safety, animal behavior, animal welfare, animal control, and employability skills. **Special Note:** This course will be combined with other agriscience courses.

AGRITECHNOLOGY 2 (8106830)

Grades 11-12

1.0 EL Credit – 2 Semesters

Prerequisite: AgriTechnology 1

This course is designed to develop competencies in the areas of animal digestive systems, animal breeding, preventative medicine and disease control, control of parasites, animal marketing, and analyzing records. **Special Note:** This course will be combined with other agriscience courses.

ADVANCED CONCEPTS IN AGRISCIENCE (8100330)

Grade 12

1.0 EL Credit – 2 Semesters

Prerequisite: AgriTechnology 2

This course is designed for upper level agriscience students who are working on special agriscience projects for the entire year. This experience is designed to help provide students with job skills and prepare them for continued education in the agriscience field. **Special Note:** This course will be combined with other agriscience courses.

ARTS**BAND 1 (1302300)**

Grade 9-10

1.0 PF Credit – 2 Semesters

The course is designed for students having little or no previous band experience with woodwind, brass, and / or percussion instruments and promotes the enjoyment and appreciation of music through rehearsal and performance. Special Note: This course will be combined with other band courses.

BAND 2 (1302310)

Grade 10-11

1.0 PF Credit – 2 Semesters**Prerequisite: Band 1**

This course is designed for students with at least one year of woodwind, brass, and /or percussion ensemble experience. Rehearsals focus on the development of critical listening skills, instrumental and ensemble technique and skills, expanded music literacy, and aesthetic awareness culminating in periodic public performances. Special Note: The course will be combined with other band courses.

BAND 3 (1302320)

Grade 11-12

1.0 PF Credit – 2 Semesters**Prerequisite: Band 2**

This course is designed for students ready to build on skills and knowledge previously acquired in an instrumental ensemble, promotes the enjoyment and appreciation of music through performance of high-quality, intermediate level wind and percussion literature. Special Note: This course will be combined with other band courses.

BAND 4 (1302330)

Grade 12

1.0 PF Credit – 2 Semesters**Prerequisite: Band 3**

This course is designed for students who demonstrate proficiency in woodwind, brass and / or percussion techniques, music literacy, critical listening / aural skills, and ensemble performance skills, promotes greater engagement with and appreciation for music through performance and other experiences with a broad spectrum of music, as well as creativity through composition and / or arranging. Special Note: This course will be combined with other band courses.

BAND 5 HONORS (1302340)

Grades 11-12

1.0 PF Credit – 2 Semesters**Prerequisite: Band 2 or Band 3**

This advanced course, designed for wind and percussion students with extensive experience in solo performance and larger performing ensembles, promotes significant depth of

engagement and lifelong appreciation of music through performance and other experiences with sophisticated instrumental music, as well as creativity through composition and /or arranging. Special Note: This course will be combined with other band courses.

BAND 6 HONORS (1302340)**Grade 12****1.0 PF Credit – 2 Semesters****Prerequisite: Band 4 or Band 5 Honors**

This advanced course, designed for students with substantial experience in solo performance and larger performing ensembles, promotes significant engagement with and appreciation for music through performance of sophisticated wind and percussion literature. This course also provides significant opportunities for student leadership through peer mentoring, solo work, and participation as a performer or coach in a small or large ensemble. Special Note: This course will be combined with other band courses.

CHORUS 1 (1303300)**Grades 9-12****1.0 PF Credit – 2 Semesters**

This course, designed for students with little or no choral experience, promotes the enjoyment and appreciation of music through performance of beginning choral repertoire from a variety of times and places. Rehearsals focus on the development of critical listening skills, foundational instrumental technique and skills, music literacy, and ensemble skills, and aesthetic musical awareness. This course will be combined with other chorus courses.

CHORUS 2 (1303310)**Grades 10-12****1.0 PF Credit – 2 Semesters****Prerequisite: Chorus 1**

This course, designed for students with one year of experience or less in a choral performing group, promotes the enjoyment and appreciation of music through performance of basic, high-quality choral music. This course will be combined with other chorus courses.

GUITAR 1 (1301320)**Grades 9-12****1.0 PF Credit – 2 Semesters**

This course is designed for students with little or no experience to develop basic guitar skills and knowledge, including simple and full-strum chords, bass lines and lead sheets, barre and power chords, foundational music literacy and theory, major scales, simple finger picking patterns, and ensemble skills for a variety of music. Beginning guitarists explore the careers and music of significant performers in a variety of styles. This course will be combined with other guitar courses.

GUITAR 2 (1301330)

Grades 10-12

1.0 PF Credit – 2 Semesters

Prerequisite: Guitar 1

This course is designed for students with previous guitar experience to build on their skills and knowledge, adding chords, new strumming and finger picking patterns, movable major and minor scales, basic music theory, more complex bass lines and lead sheets, and ensemble skills for a variety of music. Beginning guitarists explore the careers and music of significant performers. This course will be combined with other guitar courses.

AP MUSIC THEORY (1300330)

Grades 10-12

1.0 PF Credit – 2 Semesters

Prerequisite: Teacher Recommendation

This course is a college level course that focuses on concepts and skills emphasized within introductory college music theory courses, with the goal of helping students become sophisticated and thoughtful music listeners, performers, and composers. Students learn to recognize, understand, describe, and produce the basic elements and processes of performed and notated music. This course prepares students to take the AP Music Theory exam developed by the College Board and students who perform successfully on the exam may receive college credit.

TWO-DIMENSIONAL STUDIO ART (0101300)

Grades 9-12

1.0 PF Credit – 2 Semesters

This course is designed so that students can experiment with the media and techniques used to create two-dimensional artworks through the development of skills in drawing, painting, printmaking, collage and / or design. Students practice, sketch, and manipulate the structural elements of art to improve mark making and / or the organizational principles of design in a composition from observation, research, and / or imagination.

BUSINESS**DIGITAL INFORMATION TECHNOLOGY (8207310)**

Grades 9-12

1.0 PA Credit – 2 Semesters

This course is designed to provide an introduction to information technology concepts and careers, as well as exploring the impact information technology has on the world, people, industry, and teaches basic web design concepts using programs from Microsoft Office. The content includes information technology, career research, operating systems and software applications, electronic communications (including email and internet services). Students may earn college credits by passing the college exam through an articulation agreement with Santa Fe College and may also receive Microsoft certification.

DIGITAL DESIGN 1 (8209510)

Grades 10-12

1.0 PA Credit – 2 Semesters

Prerequisite: Digital Information Technology

This course is designed to develop basic entry-level skills required for careers in the digital publishing industry. This course develops skills required to produce flyers, brochures, and other desktop applications using Adobe InDesign software. Students may earn college credits by passing the college exam through an articulation agreement with Santa Fe College and may also receive Adobe Certification. Special Note: This course will be combined with other digital design courses.

DIGITAL DESIGN 2 (8209520)

Grades 11-12

1.0P A Credit – 2 Semesters

Prerequisite: Digital Design 1

This course continues development of basic entry-level skills required for careers in the digital publishing industry. This course develops skills required to produce line art, logos, vector graphics, and page layouts using Adobe Illustrator software. Students may earn college credits by passing the college exam through an articulation agreement with Santa Fe College and may also receive Adobe Certification. Special Note: This course will be combined with other digital design courses.

DIGITAL DESIGN 3 (8209530)

Grade 12

1.0 PA Credit – 2 Semesters

Prerequisite: Digital Design 2

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 Adobe Photoshop software. Students may earn college credits by passing the college exam through an articulation agreement with Santa Fe College and may also receive Adobe certification. Special Note: This course will be combined with other digital design courses.

**CRIMINAL JUSTICE ACADEMY
(Magnet Program)**

This program offers a sequence of courses that provide coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the law, public safety, and security career cluster. Students will gain the technical skill, proficiency, and competency-based applied learning that contributes to the academic knowledge, higher-order reasoning, and problem-solving skills, work attitudes, general employability skills, technical skills, and

occupation-specific skills and knowledge of all aspects of the law, public safety, and security career cluster.

CRIMINAL JUSTICE OPERATIONS 2 (8918020)**Grade 9****1.0 VO Credit – 2 Semesters****Prerequisite: Acceptance into the Criminal Justice Academy Magnet Program**

This course is designed to develop competencies in patrol, traffic control, defensive tactics and physical proficiency skills, and first aid and cardiopulmonary resuscitation skills.

CRIMINAL JUSTICE OPERATIONS 3 (8918010)**Grade 10****1.0 VO Credit – 2 Semesters****Prerequisite: Criminal Justice Operations 2**

This course is designed to develop competencies in crime and accident investigation procedures, forensic science tasks, crime prevention, and property control procedures.

CRIMINAL JUSTICE OPERATIONS 1 (8918010)**Grade 11****1.0 VO Credit – 2 Semesters****Prerequisite: Criminal Justice Operations 3**

This course is designed to introduce students to the fields of law enforcement, the court system, and the correctional system. The content includes career opportunities in these fields: court system, correctional system, interpersonal and communication skills, and employability skills. This course emphasizes state and federal law.

LAW, PUBLIC SAFETY AND SECURITY (8900100)**Grade 12****1.0 VO Credit – 2 Semesters****Prerequisite: Criminal Justice Operations 1**

This course is designed to provide students with learning opportunities in a prescribed program of study within the law, public safety and security clusters that will enhance opportunities in employment in the career field chosen by the student. Students also acquire hands-on learning with an unmanned aircraft.

CRIMINAL JUSTICE OPERATIONS 4 (8918040)**Grade 12****1.0 VO Credit – 2 Semesters****Prerequisite: Criminal Justice Operations 1**

This course is designed to provide technical skills proficiency and academic knowledge with a focus on the administrative aspects of the legal system.

CULINARY ARTS



This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the hospitality and tourism career cluster. The content includes all aspects of food preparation. Presentation and serving of food, as well as leadership communication skills, employability skills, and safe / efficient work practices are also covered. This coursework prepares students for employment in the food service / hospitality industry.

CULINARY ARTS 1 (8800510)

Grades 9-11

1.0 VO Credit – 2 Semesters

This course covers the history of the food service industry and careers in that industry. Also covered are state-mandated guidelines for food service and how to attain food handler training certification. Students gain knowledge of safety in the workplace, employability skills and leadership / teamwork skills while learning the care and use of commercial culinary equipment, basic food science, basic nutrition, and learn how to follow recipes in food preparation labs. Special Note: This course will be combined with other culinary arts courses.

CULINARY ARTS 2 (8800520)

Grades 10-12

1.0 PA Credit – 2 Semesters

Prerequisite: Culinary Arts 1

In this course, students will learn and perform front-of-the-house and back-of-the-house duties. Students will prepare quality food products and present them creatively. Students will demonstrate safe, sanitary work procedures, understand food science principles related to cooking and baking, as well as utilizing nutrition concepts when planning meals and menus. Special Note: This course will be combined with other culinary arts courses.

CULINARY ART 3 (8800530)

Grades 11-12

1.0 PA Credit – 2 Semesters

Prerequisite: Culinary Arts 2

In this course, students will research career opportunities in professional cooking and baking, follow guidelines on food selection, purchasing and storage, and use communication skills. Students will prepare and present a variety of advanced food products, create centerpieces, and research laws specific to the hospitality industry (including the handling of alcohol). Also covered are management skills, how to develop a business plan, and utilization of technology in the workplace. Students will be knowledgeable about food safety manager training / certification training programs that are acceptable in Florida. Special Note: This course will be combined with other culinary arts courses.

DRIVER EDUCATION



DRIVER EDUCATION (1900300)

Grades 9-12

0.5 EL Credit – 1 Semester

Prerequisite: Must be at least 15 years old

The purpose of this course is to introduce students to the highway transportation system and to teach strategies that will develop driving knowledge related to today's society. Completion of the alcohol and drug portion of this course will satisfy the substance abuse and traffic law course requirements of Section 322.095, Florida Statutes, i.e. the D.A.T.E. course. Students enrolled in this course will have the 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 be transported by school bus for laboratory instruction to the facility at 3501 NE 12th Street, Gainesville, for formal driving practice, all supervised by experienced instructors. Students who master the performance standards for the laboratory phase of this course will have an opportunity to take the road test for a regular operator's license. Successful completion of both the course and lab sections of the class will earn each student an insurance waiver.

EXCEPTIONAL STUDENT EDUCATION



The Exceptional Student Education program is designed to fulfill the needs of students meeting criteria established by statute. The philosophy at Newberry High School is to “mainstream” students as much as possible into regular classes, while simultaneously providing support and / or remedial services. In addition to academic study, pre-vocational and career awareness skills are an integral part of the curriculum. Initial achievement and behavioral information are used to design an Individual Education Plan (IEP) for students with long and short term goals for each student. These plans are updated at least annually. ACCESS courses are intended only for students with a significant cognitive disability.

ACCESS ENGLISH 1 (7910120)

Grade 9

ACCESS ENGLISH 2 (7910125)

Grade 10

ACCESS ENGLISH 3 (7910130)

Grade 11

ACCESS ENGLISH 4 (7910135)

Grade 12

1.0 EN Credit – 2 Semesters

The purpose of these courses is to allow students with disabilities to share knowledge, information, experiences, and adventures through the comprehension and use of written and oral language. Students will learn to interact productively and effectively with the world around them. The content includes, but is not limited to, the reading process, literary analysis, the writing process, writing applications, communication, information, and media literacy.

ACCESS LIBERAL ARTS MATH (7912070)**Grades 9-12****1.0 MA Credit – 2 Semesters**

The purpose of this course is to develop the algebraic and geometric concepts and processes that can be used to analyze and solve a variety of routine and non-routine real world and mathematical problems.

ACCESS ALGEBRA 1 A (7912080)**Grades 9-12****1.0 MA Credit – 2 Semesters**

This course is the first in a two-part study of Algebra. The purpose of this course is to develop the ability to work with quantities and the relationships between them. It also provides grounding for work with expressions, equations, and functions.

ACCESS ALGEBRA 1 B (7912090)**Grades 9-12****1.0 A1 Credit – 2 Semesters**

This course is the second in a two-part study of Algebra. Concepts from the previous course will be utilized, along with direct and inverse proportions, absolute value, estimation and problem solving. To receive credit for this course, students must pass the course and earn a passing score on the Florida Standards Alternate Assessment (FSAA) End of Course exam.

ACCESS GEOMETRY (7912065)**Grades 9-12****1.0 GE Credit – 2 Semesters**

The purpose of this course is to formalize and extend the student's geometric experiences. Students explore geometric situations and deepen their explanations of geometric relationships. To receive credit for this course, students must pass the course and take the Florida Standards Alternate Assessment (FSAA) End of Course exam.

ACCESS INTEGRATED SCIENCE 1 (7920025)**Grades 9-12****1.0 EQ Credit – 2 Semesters**

The purpose of this course is to provide a study of living and non-living systems, and how they interact with one another in logical and organized ways (cause and effect). Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, experimental procedures, and safety procedures are an integral part of this course.

ACCESS BIOLOGY (7920015)**Grades 9-12****1.0 BI Credit – 2 Semesters**

This course includes an introduction to the scientific method, cytology, genetics, botany, zoology, ecology, taxonomy, evolution, chemistry, and microbiology. To receive credit for this course, students must pass the course and take the Florida Standards Alternate Assessment (FSAA) End of Course exam.

ACCESS EARTH / SPACE SCIENCE**Grades 9-12****1.0 EQ Credit – 2 Semesters**

This course focuses on the study of space and the geologic and atmospheric forces that shape our world. Through experimentation and investigation, students will explore Earth's cycles, including the geosphere, hydrosphere, cryosphere, atmosphere, and carbon cycle.

ACCESS WORLD HISTORY (7921027)**Grades 9-12****1.0 WH Credit – 2 Semesters**

The content of this course includes world history, geography, and humanities, as well as the history of civilizations and societies of North and South America. Students will be exposed to historical periods leading to the beginning of the 21st Century.

ACCESS US HISTORY (7921025)**Grades 9-12****1.0 AH Credit – 2 Semesters**

The primary emphasis of this course pertains to the study of US history from Reconstruction to the present day. Students will be exposed to the historical, geographic, political, economic, and sociological events that influenced the development of the US and the resulting impact on world history. To receive credit for this course, students must pass the course and take the Florida Standards Alternate Assessment (FSAA) End of Course exam.

ACCESS US GOVERNMENT (7921015)**Grades 9-12****0.5 AG Credit – 2 Semesters**

In this course, students will explore the principles that inspired the Constitution and the Bill of Rights, and examine each branch of the government, the election process, how to impact public policy, as well as discover how the US interacts with other countries.

ACCESS ECONOMICS (7921022)**Grades 9-12****0.5 EC Credit – 2 Semesters**

In this course, students will learn how to become a more informed consumer, producer, investor and taxpayer, and learn how choices directly affect the future. Content includes currency, banking, and monetary policy.

ACCESS H.O.P.E. (7915015)**Grades 9-12****1.0 PE Credit – 2 Semesters**

With a focus on health and fitness, this course helps students develop and enhance healthy behaviors that influence lifestyle choices and student health and fitness. In addition to the physical education content, topics includes mental / social health, nutrition and wellness planning, diseases and disorders, and health advocacy.

LEARNING STRATEGIES 9-12 (7963080)**Grades 9-12****1.0 EL Credit – 2 Semesters**

The purposes of this course is to enable students with disabilities to acquire and generalize strategies and skills across academic, community, and employment settings to achieve annual goals based on assessed needs and the student’s Individual Education Plan (IEP). The setting provides an opportunity to participate more fully in the mainstream of educational and community life.

UNIQUE SKILLS: 9-12 (7963130)**Grades 9-12****1.0 EX Credit – 2 Semesters**

The purpose of this course is to enable students with disabilities to acquire and generalize skills they need to achieve annual goals based on assessed needs and the student’s Individual Educational Plan (IEP). It is structured around the domains addressed on the IEP: social and emotional support, independent functioning, curriculum and learning, and communication.

FOREIGN LANGUAGE**SPANISH 1 (0708340)****Grades 10-11****1.0 FL Credit – 2 Semesters**

This course introduces students to the Spanish language and its culture. Students will develop communication skills and cross-cultural understanding. Emphasis is placed on proficient communication in the language. An introduction to reading and writing is also included, as well as culture, connections, comparisons, and communities.

SPANISH 2 (0708350)**Grades 9-12****1.0 FL Credit – 2 Semesters****Prerequisite: Spanish 1**

This course reinforces the fundamental skills acquired by students in the previous course and develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Reading and writing skills receive more emphasis, while oral communication remains the primary objective. The cultural survey of the target language-speaking people is continued.

SPANISH 3 HONORS (0708360)**Grades 10-12****1.0 FL Credit – 2 Semesters****Prerequisite: Spanish 2**

This advanced course provides mastery and expansion of skills previously acquired. Vocabulary and conversational skills are expanded through discussions based on selected readings. Contemporary vocabulary stresses activities important to everyday life of the

target language-speaking people. Students in this course may act as peer mentors for other students. Special Note: This course may be combined with the Spanish 2 course.

LANGUAGE ARTS



ENGLISH 1 (1001310)

Grade 9

1.0 EN Credit – 2 Semesters

The purpose of this course is to provide students integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness using texts of high complexity. This course has a required summer reading assignment.

ENGLISH 1 HONORS (1001320)

Grade 9

1.0 EN Credit – 2 Semesters

The purpose of this advanced course is to challenge students to think and collaborate critically on the content they are learning through the application, analysis, evaluation, and creation of complex ideas that are often abstract and multi-facets. This course has a required summer reading assignment.

ENGLISH 2 (1001340)

Grade 10

1.0 EN Credit – 2 Semesters

This course focuses on students becoming skillful in expository and persuasive writing. The curriculum is taught using textbooks, supplemental materials, and assigned novels. Composition instruction focuses on the writing of essays for various purposes and audiences, using literary and non-literary subjects. The course includes preparation for the Florida Standards Assessment (FSA) English Language Arts reading and writing assessments. This course has a required summer reading assignment.

ENGLISH 2 HONORS (1001350)

Grade 10

1.0 EN Credit – 2 Semesters

This is an advanced course for motivated students who are taught critical thinking in major works and world literature. The writing component includes expository, persuasive, and analytical documented literary papers. This course includes preparation for the Florida Standards Assessment (FSA) English Language Arts reading and writing assessments. This course has a required summer reading assignment.

ENGLISH 3 (1001370)

Grade 11

1.0 EN Credit – 2 Semesters

The content of this course includes frequent practice in writing multi-paragraph papers of various types, with particular attention given to the writing of documented papers. Relative to these writing assignments, reference and summarizing skills are stressed. Literature

study includes the analysis examples of American literature works. This course has a required summer reading assignment.

ENGLISH 3 HONORS (1001380)**Grade 11****1.0 EN Credit – 2 Semesters**

This advanced course includes composition instruction with frequent practice in writing multi-paragraph essays in a variety of types, including documented papers. Literature study includes the written and oral analysis of American literary works representing the ethnic and cultural diversity of the American experience. This course has a required summer reading assignment.

AP ENGLISH LANGUAGE AND COMPOSITION (1001420)**Grade 11****1.0 EN Credit – 2 Semesters**

This college-level course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose the revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts, including images as forms of text, from a wide range of disciplines and historical periods. This course prepares students to take the AP English Language and Composition exam developed by the College Board and students who perform successfully on the exam may receive college credit. This course has a required summer reading assignment.

ENGLISH 4 (1001400)**Grade 12****1.0 EN Credit – 2 Semesters**

The purpose of this course is to provide students with an integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness using texts of high complexity. This course has a required summer reading assignment.

ENGLISH 4 HONORS (1001410)**Grade 12****1.0 EN Credit – 2 Semesters**

The content of this advanced course includes instruction in written and oral analysis of major British literary works of various genres in relationship to cultural influences and to the development of the literary traditions of the English language. Composition instruction emphasizes writing assignments that develop the student's abilities to interpret information and to analyze critically. This course has a required summer reading assignment.

AP ENGLISH LITERATURE AND COMPOSITION (1001430)**Grade 12****1.0 EN Credit – 2 Semesters**

This college-level course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and

critical analysis of imaginative literature to deepen their understanding of the ways writers use language to both provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. This course prepares students to take the AP English Literature and Composition exam developed by the College Board and students who perform successfully on the exam may receive college credit. This course has a required summer reading assignment.

READING 1 (1008300)**Grade 9****1.0 EL Credit – 2 Semesters**

This course emphasizes reading comprehension, vocabulary, grammar, research, literary analysis, and includes learning skills in preparation of the Florida Standards Assessment (FSA) English Language Arts exam and the ACT test using a variety of grade appropriate texts encompassing a range of complexity.

READING 2 (1008310)**Grade 10****1.0 EL Credit – 2 Semesters**

This course allows students to engage in research, write in response to reading, and cite evidence to answer text-dependent questions both orally and in writing. Students are also taught skills in preparation of the Florida Standards Assessment (FSA) English Language Arts exam and the ACT test.

READING 3 (1008330)**Grade 11****1.0 EL Credit – 2 Semesters**

This purpose of this course is to increase reading fluency and endurance through integrated experiences in the language arts. This course incorporates reading and analysis of literary and informational selections to develop critical and close reading skills. Emphasis is placed on learning skills in preparation of the Florida Standards Assessment (FSA) English Language Arts exam and the ACT test.

READING FOR COLLEGE SUCCESS (1008350)**Grade 12****0.5 EL Credit – 1 Semester**

This course incorporates reading and analysis of informational selections to develop critical reading skills necessary for success in college courses. This course prepares students for successful completion of the Florida college English language arts course requiring extensive grade-level reading.

CRITICAL THINKING AND STUDY SKILLS (1700370)**Grade 12****0.5 EL Credit – 1 Semester**

This course is designed to develop skills related to critical thinking, learning, and problem solving which enables students to enhance their performance in both academic and non-

academic ways. Strategies for acquiring, storing, and retrieving information, and time management and organizational skills are an integral part of this course. Students also learn critical thinking operations and processes, strategies for oral and written communication, and problem solving skills, including test-taking skills.

AP CAPSTONE SEMINAR (1700500)

Grades 9-11

1.0 EL Credit – 2 Seminars

Prerequisite: Teacher Recommendation

This college-level course is the first in a two-part study and serves as a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literacy and philosophical texts, listening to and viewing speeches, broadcasts, and personal accounts, and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. This course prepares students to take the AP Capstone Seminar exam developed by the College Board and students who perform successfully on the exam may receive college credit. This course has a required summer reading assignment.

AP CAPSTONE RESEARCH (1700510)

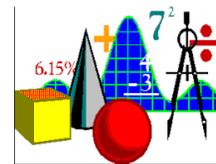
Grade 10-12

1.0 EL Credit – 2 Semesters

Prerequisite: AP Capstone Seminar and Teacher Recommendation

This college-level course is the second in a two-part study and allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they previously acquired by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. This course prepares students to take the AP Capstone Research exam developed by the College Board and students who perform successfully on the exam may receive college credit. This course has a required summer reading assignment.

MATHEMATICS



LIBERAL ARTS MATH 1 (1207300)

Grades 9-10

1.0 MA Credit – 2 Semesters

This course is designed to develop the algebraic concept and processes that can be used to analyze and solve a variety of routine and non-routine real world and mathematical problems. Students will learn content-related vocabulary, operations using real numbers in real-world problems, patterns, relations, and functions. Additional course content includes

tables, sequences, and graphs, graphs to summarize data and predict outcomes, variables and their impact on outcomes and varied solution strategies to solve real-world problems.

ALGEBRA 1 (1200310)**Grades 9-10****1.0 A1 Credit – 2 Semesters**

This course is designed to provide a rigorous and in-depth study of mathematics, emphasizing deductive reasoning skills, as a foundation for more advanced mathematical courses and to develop the skills needed to solve mathematical problems. The course content includes operations involving numbers, sets, and variables, properties of real numbers, function, relations and graphs, polynomial and rational algebraic expressions. To receive credit for this course, students must pass the course and earn a passing score on the Florida Standards Assessment (FSA) Algebra 1 End of Course exam.

ALGEBRA 1 HONORS (1200320)**Grades 9-10****1.0 A1 Credit – 2 Semesters**

The purpose of this advanced course is to formalize and extend mathematics. The critical areas, called units, deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Students will engage in methods for analyzing, solving, and using quadratic functions. To receive credit for this course, students must pass the course and earn a passing score on the Florida Standards Assessment (FSA) Algebra 1 End of Course exam.

INFORMAL GEOMETRY (1206300)**Grades 9-11****1.0 MA Credit – 2 Semesters****Prerequisite: Algebra 1**

The purpose of this course is to introduce students to basic geometric situations and deepen their explanations of geometric relationships in preparation for taking the Geometry course. It is important to note that this course does not satisfy the Geometry graduation requirement.

GEOMETRY (1206310)**Grades 9-12****1.0 GE Credit – 2 Semesters****Prerequisite: Algebra 1**

This course provides the opportunity for students to explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. To receive credit for this course, students must pass the course and take the Florida Standards Assessment (FSA) Geometry End of Course exam.

GEOMETRY HONORS (1206320)

Grades 9-12

1.0 GE Credit – 2 Semesters

Prerequisite: Algebra 1

The purpose of this advanced course is to develop the geometric relationships and deductive strategies that can be used to solve a variety of real world and mathematical problems. The course content will include logic and reasoning, the study of Euclidean geometry of line, planes, angles, triangles, similarity, congruence, geometric inequalities, polygons and circles, area and volume, and constructions. To receive credit for this course, students must pass the course and take the Florida Standards Assessment (FSA) Geometry End of Course exam.

MATH FOR COLLEGE READINESS (1200700)

Grades 10-11

1.0 MA Credit – 2 Semesters

The purpose of this course is to provide a solid foundation in mathematics, presenting algebraic concepts, problem solving techniques, critical thinking exercises, geometry concepts, and decision making processes that can be used to solve a variety of real world and mathematical problems. The course objective is to develop proficiency in mathematics to prepare the student for core college coursework, college entry exams, and math concepts used in everyday life.

ALGEBRA 2 (1200330)

Grades 10-12

1.0 MA Credit – 2 Semesters

Prerequisite: Geometry

This course allows students to build on their work in linear, quadratic, and exponential functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms.

ALGEBRA 2 HONORS (1200340)

Grades 10-12

1.0 MA Credit – 2 Semesters

Prerequisite: Geometry

This advanced course offers a fast paced structured classroom environment for students to build on their work in linear, quadratic, and exponential functions and extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms.

PRE-CALCULUS HONORS (1202340)**Grades 11-12****1.0 MA Credit – 2 Semesters****Prerequisites: Algebra 2**

The main goal of this advanced course is for students to gain a deep understanding of the fundamental concepts and relationships of functions. Students will expand their knowledge of quadratic, exponential, and logarithmic functions to include power, polynomial, rational, and trigonometric functions. The content also includes mathematical induction, symbolic logic and set theory, matrix algebra, the concept of limits and continuity, vectors, probability, and statistics.

FINANCIAL ALGEBRA (1200387)**Grade 12****1.0 MA Credit – 2 Semesters**

The financial literacy focus of this course provides a real-life framework to apply upper-level mathematics standards. In our consumer-based society, a mathematics course that addresses the results of financial decisions will result in more fiscally responsible citizens. This course gives students the opportunity to apply mathematics found in financial topics such as personal investments, retirement planning, credit card interest, and savings. This course also includes financial literacy standards found in social studies.

PROBABILITY AND STATISTICS WITH APPLICATIONS HONORS (1210300)**Grades 11-12****1.0 MA Credit – 2 Semesters****Prerequisite: Pre-calculus Honors**

The purpose of this advanced course is to explore the fundamental concepts of probability and statistics through exercises that require students to interpret results, provide written explanations, find patterns, and make decisions. The main objective is to provide students with the foundations of statistical inference mostly used in a wide variety of disciplines, such as business and economics.

AP CALCULUS AB (1202310)**Grades 11-12****1.0 MA Credit – 2 Semesters****Prerequisite: Pre-calculus Honors**

This college-level course focuses on the student's understanding of calculus concepts and provides experience with methods and applications. The content emphasizes functional behavior including limit behavior, asymptotic behavior, concavity, and intervals of increasing or decreasing values. Students are encouraged to connect visual, numerical, and algebraic forms of functions. Students are also exposed to the foundational mathematics that has made modern mathematics and modern technology possible. This course prepares students to take the AP Calculus AB exam developed by the College Board and students who perform successfully on the exam may receive college credit.

AP STATISTICS (1210320)**Grades 11-12****1.0 MA Credit – 2 Semesters****Prerequisite: Pre-calculus Honors**

The purpose of this college-level course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. This course prepares students to take the AP Statistics exam developed by the College Board and students who perform successfully on the exam may receive college credit.

**MEDIA
(Yearbook)****JOURNALISM 1 (1006300)****Grades 9-11****1.0 PA Credit – 2 Semesters**

The purpose of this course is to enable students to develop fundamental skills in the production of journalism across print or electronic media. Activities include designing the yearbook for the current school year. Access to and knowledge of a digital camera is strongly recommended. Special Note: This course will be combined with other journalism courses.

JOURNALISM 2 (1006310)**Grades 10-12****1.0 PA Credit – 2 Semesters****Prerequisite: Journalism 1**

The purpose of this course is to enable publication staff to continue to develop fundamental skills in the production of journalism across print and electronic media. Leadership and managerial skills will be exercised in editorial positions earned through proven experience. Activities include designing the yearbook for the current school year. Special Note: This course will be combined with other journalism courses.

JOURNALISM 3 (1006320)**Grades 11-12****1.0 PA Credit – 2 Semesters****Prerequisite: Journalism 2**

The purpose of this course is to enable students to perform grade level skills in the production of journalism across print and electronic media. Students will continue to develop their knowledge of journalism history, ethics use, and management techniques related to the production of journalistic media. Activities include designing the yearbook for the current school year. Special Note: This course will be combined with other journalism courses.

PHYSICAL EDUCATION



H.O.P.E. (3026010)

Grades 9-10

1.0 PE Credit – 2 Semesters

The purpose of this course is to develop and enhance healthy behaviors that influence lifestyle choices and student health and fitness. In addition to the physical education content, specific health education topics within this course include mental / social health, physical activity, nutrition and wellness planning, diseases and disorders, health advocacy, first aid and CPR, and human sexuality including abstinence and HIV. This class became a graduation requirement for all Florida high school students beginning with the 2007-2008 school year.

PERSONAL FITNESS (1501300)

Grades 9-11

0.5 PE Credit – 1 Semester

The purpose of this course is to provide students with the knowledge, skills, and values they need to become healthy and physically active for a lifetime. This course addresses both the health and skill-related components of physical fitness, which are critical for students' success. This course, when paired with another 0.5 credit physical education course, fulfills the physical education requirement for high school credit (H.O.P.E.).

Individual and Dual Sports 1 (1502410)

Grades 9-12

0.5 PE Credit – 1 Semester

The purpose of this course is to acquire knowledge of individual and dual sports play, develop basic skills in selected individual and dual sports, and maintain and / or improve health related fitness. The content includes safety practices, assessment of health related fitness, basic skills, techniques, strategies, rules, assessment of basic skills, consumer issues, and fitness activities.

Individual and Dual Sports 2 (1502420)

Grades 9-12

0.5 PE Credit – 1 Semester

Prerequisite: Individual and Dual Sports 1

The purpose of this course is to further acquire knowledge of individual and dual sports play, develop basic skills in selected individual and dual sports, and maintain and / or improve health related fitness. The content includes safety practices, assessment of health related fitness, basic skills, techniques, strategies, rules, assessment of basic skills, consumer issues, and fitness activities.

Individual and Dual Sports 3 (1502430)**Grades 9-12****0.5 PE Credit – 1 Semester****Prerequisite: Individual and Dual Sports 2**

The purpose of this course is to further acquire knowledge of individual and dual sports play, develop basic skills in selected individual and dual sports, and maintain and / or improve health related fitness. The content includes safety practices, assessment of health related fitness, basic skills, techniques, strategies, rules, assessment of basic skills, consumer issues, and fitness activities.

Team Sports 1 (1503350)**Grades 9-12****0.5 PE Credit – 1 Semester**

The purpose of this course is to develop the physical skills necessary to be competent in many forms of movement, knowledge of team sports concepts such as offensive and defensive strategies and tactics, and appropriate social behaviors within a team or group setting.

Team Sports 2 (1503360)**Grades 9-12****0.5 PE Credit – 1 Semester****Prerequisite: Team Sports 1**

The purpose of this course is to provide students with opportunities to acquire knowledge of strategies of team sport play, develop sports skills, maintain and / or improve fitness levels, and knowledge of team sports concepts, including social behaviors within a team or group setting.

Weight Training 1 (1501340)**Grades 9-12****0.5 PE Credit – 1 Semester**

The purpose of this course is to introduce the physical skills necessary to be competent in many forms of movement as it relates to weight training. The integration of fitness concepts throughout the content is critical to the success of this course.

Weight Training 2 (1501350)**Grades 9-12****0.5 PE Credit – 1 Semester****Prerequisite: Weight Training 1**

The purpose of this course is to continue development of the physical skills necessary to be competent in many forms of movement as it relates to weight training. The continued integration of fitness concepts throughout the content is critical to the success of this course.

Weight Training 3 (1501360)**Grades 9-12****0.5 PE Credit – 1 Semester****Prerequisite: Weight Training 2**

The purpose of this course is to train students in advanced concepts of the physical skills necessary to be competent in many forms of movement as it relates to weight training. The

ongoing integration of fitness concepts throughout the content is critical to the success of this course.

SCIENCES



ENVIRONMENTAL SCIENCE (2001340)

Grades 9-10

1.0 EQ Credit – 2 Semesters

This course provides students with a study of man's interaction with his environment. Course studies include pollution, conservation, environmental planning and policy, public land usages, population dynamics, and major forms of energy. This course integrates laboratory investigations and has a strong outdoor field component involving observation and data collection.

ENVIRONMENTAL SCIENCE HONORS (2001341)

Grades 9-10

1.0 EQ Credit – 2 Semesters

This advanced course is designed to provide students with scientific principles, concepts, and methodologies required to identify and analyze environmental problems and to evaluate risks and alternative solutions for resolving and / or preventing them. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course.

BIOLOGY 1 (2000310)

Grades 9-10

1.0 BI Credit – 2 Semesters

This course provides students with general exploratory experiences and activities in the fundamental concepts of life at the cellular level and beyond. Students will learn about DNA, mutations, human reproduction, and new technologies that are helping to uncover life's mysteries. The content will also include a comprehensive curriculum entailing cellular studies, photosynthesis and respiration, principles of genetics, origins of life, and the scientific research method. To receive credit, students must pass the course and take the Florida Standards Assessment (FSA) Biology 1 End of Course exam.

BIOLOGY 1 HONORS (2000320)

Grades 9-10

1.0 BI Credit – 2 Semesters

The content of this advanced course includes a comprehensive curriculum entailing cellular studies, photosynthesis and respiration, principles of genetics, origins of life, and the scientific research method. Also included will be an overview of classification, including microbiology, botany, and invertebrate and vertebrate studies. To receive credit, students must pass the course and take the Florida Standards Assessment (FSA) Biology 1 End of Course exam.

MARINE SCIENCE (2002500)**Grades 10-12****1.0 EQ Credit – 2 Semesters**

This course is designed to meet the needs of the student who wishes to obtain an in-depth awareness of coastal and marine systems. The course will include a study of the physical, chemical, and geological aspects of oceanography, marine biology, the coastal environment, and the inter-relationships among the disciplines.

FORENSIC SCIENCE 1 (2002480)**Grades 10-12****1.0 EQ Credit – 2 Semesters**

This course emphasizes critical thinking and problem solving through the use of real-world forensic science methodologies and applies the use of multiple sciences – chemistry, physics, and biology – to criminal and civil laws that are enforced by police agencies in a criminal justice system. Students will investigate fingerprinting, fiber analysis, ballistics, arson, trace evidence analysis, poisons, drugs, blood splatters, and blood samples. Students are taught the proper collection, preservation, and laboratory analysis of various samples.

ANATOMY AND PHYSIOLOGY (2000350)**Grades 11-12****1.0 EQ Credit – 2 Semesters**

This course will enable students to develop an understanding of the relationships between the structures and functions of the human body. Students will also be provided with general exploratory activities in structure and function of systems of the human body. This course will involve laboratory activities, projects, dissections, textbook material, models, diagrams, journal writings, and clinical studies.

ANATOMY AND PHYSIOLOGY HONORS (2000360)**Grades 11-12****1.0 EQ Credit – 2 Semesters**

This advanced course is an intensive study of the structure and function of the human body. This will include a review of introductory biology, cytology, histology, integumentary, skeletal, muscular, circulatory, and digestive systems and the special senses. Laboratory activities are an integral part of this course.

CHEMISTRY 1 (2003340)**Grades 11-12****1.0 EQ Credit – 2 Semesters****Prerequisite: Algebra 2**

This course provides a study of composition, properties, and changes associated with matter, including classification and structure of matter, atomic theory, the 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. A strong math background is recommended.

CHEMISTRY 1 HONORS (2003350)**Grades 11-12****1.0 EQ Credit – 2 Semesters****Prerequisite: Algebra 2**

This advanced course provides a rigorous study of composition, properties, and changes associated with matter, including chemical bonding, formula writing, nomenclature, chemical equations, kinetic theory, gas laws, acids and bases, energy relationships, solids, liquids, and solutions. Laboratory investigations are an integral part of this course. A strong math background is recommended.

PHYSICS 1 HONORS (2003390)**Grades 11-12****1.0 EQ Credit – 2 Semesters****Prerequisite: Algebra 2**

This advanced course provides students with an introduction to matter, energy, and the forces of nature. Topics include mechanics, optics, sound, electricity, and magnetism. 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. A strong math background is recommended.

AP ENVIRONMENTAL SCIENCE (2001380)**Grades 10-12****1.0 EQ Credit – 2 Semesters**

This college-level course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. This course prepares students for the AP Environmental Science exam developed by the College Board and students who perform successfully on the exam may earn college credit.

AP BIOLOGY (2000340)**Grades 10-12****1.0 BI Credit – 2 Semesters**

This college-level course allows students to cultivate their understanding of biology through inquiry-based investigations as they explore evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. The course content includes cell biology, biochemistry, classical genetics, molecular genetics, evolution, ecology, taxonomy, and the anatomy and physiology of plants and animals. This course prepares students to take the AP Biology exam developed by the College Board and students who perform successfully on the exam may earn college credit.

AP CHEMISTRY (2000370)**Grades 11-12****1.0 EQ Credit – 2 Semesters****Prerequisite: Algebra 2**

This college-level course provides instruction relating to the structure of matter, the states of matter, chemical reactions, and descriptive chemistry. Laboratory investigations are an integral part of this course. This course prepares students to take the AP Chemistry exam developed by the College Board and students who perform successfully on the exam may earn college credit.

SOCIAL STUDIES**WORLD HISTORY (2109310)****Grade 9****1.0 WH Credit – 2 Semesters**

This course provides students with an understanding of the contemporary world through an overview of how politics, economics, geography, world religions, culture, science, technology, citizenship, and global relations have influenced and shaped the major events from the Middle Ages to the 21st Century.

WORLD HISTORY HONORS (2109320)**Grade 9****1.0 WH Credit – 2 Semesters**

This advanced course is designed to provide students with an effective understanding of the past in terms of change or process as it relates to the development of humanity. This is done by looking at the political, economic, social, religious, military, dynastic, scientific, technical, and cultural events that have shaped and molded humanity.

US HISTORY (2100310)**Grade 11****1.0 AH Credit – 2 Semesters**

This course provides students with a study of United States history from Reconstruction to the present day. Students will be exposed to the historical, geographic, political, economic, and sociological events which influenced the development of the United States and the resulting impact on world history. In order to receive credit for this course, the student must pass the course and take the Florida Standards Assessment (FSA) End of Course exam.

US HISTORY HONORS (2100320)**Grade 11****1.0 AH Credit – 2 Semesters**

This advanced course provides students with an understanding of historical persistence and perceptions of change, and covers the development of the United States from colonization to current times, with emphasis placed on events after Reconstruction. In order to receive credit for this course, the student must pass the course and take the Florida Standards Assessment (FSA) End of Course exam.

AP US HISTORY (2100330)**Grade 11****1.0 AH Credit – 2 Semesters**

This college-level course allows students to investigate significant events, individuals, developments, and processes from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians in analyzing primary and secondary sources, developing historical arguments, making historical connections, and utilizing reasoning about comparison, causation, and continuity and change. This course prepares students to take the AP US History exam developed by the College Board and students who perform successfully may receive college credit.

US GOVERNMENT (2106310)**Grade 12****0.5 AG Credit – 1 Semester**

This course provides students with an understanding of American government and political behavior, including the study of government institutions and political processes and their historical impact on American society. Content includes the functions and purpose of government, the function of the state, the constitutional framework, federalism, separation of powers, functions of the three branches of government at the local, state, and national level, and the political decision-making process.

ECONOMICS (2102310)**Grade 12****0.5 EC Credit – 1 Semester**

This course studies the concepts and processes of the national and international economic systems. Content includes currency, banking, and monetary policy, the fundamental concepts relevant to the major economic systems, the global market and economy, major economic theories and economists, the role and influence of the government and fiscal policies, economic measurements, tools, and methodology, financial and investment markets, and the business cycle.

US GOVERNMENT HONORS (2106320)**Grade 12****0.5 AG Credit – 1 Semester**

This advanced course provides students with the opportunity to acquire a comprehensive understanding of American government and political behavior. Course studies include the synthesis of information from primary sources and documents, the analysis of the roles of the executive, legislative, and judicial branches of government, and the evaluation of the role of public opinion and interest groups in the formation of government policy at the local, state, and national levels.

ECONOMICS HONORS (2102320)**Grade 12****0.5 EC Credit – 1 Semester**

This advanced course provides students with the opportunity to acquire a comprehensive understanding of the way in which societies organize to utilize their limited resources to satisfy unlimited wants and the distinguishing characteristics of various economic systems.

AP US GOVERNMENT AND POLITICS (2106420)**Grade 12****0.5 AG Credit – 1 Semester**

This college-level course provides students a nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study US foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. This course will prepare students to take the AP US Government and Politics exam developed by the College Board and students who perform successfully on the exam may earn college credits.

AP MICROECONOMICS (2102360)**Grade 12****0.5 EC Credit – 1 Semester**

This college-level course introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students use graphs, charts, and data to analyze, describe, and explain economic concepts. This course prepares students to take the AP Microeconomics exam developed by the College Board and students who perform successfully on the exam may earn college credits.

AP EUROPEAN HISTORY (2109380)**Grades 10-12****1.0 EL Credit – 2 Semesters****Prerequisite: Teacher recommendation**

This college-level course allows students to investigate significant events, individuals, developments, and processes from approximately 1450 to the present. Students will make connections among historical developments in different times and places, interaction of Europe and the world, economic and commercial development, cultural and intellectual development, states and other institutions of power, social organization and development, national and European identity, and technological and scientific innovations. This course prepares students to take the AP European History exam developed by the College Board and students who perform successfully on the exam may earn college credits.

AP HUMAN GEOGRAPHY (2103400)**Grades 10-12****1.0 EL Credit – 2 Semesters****Prerequisite: Teacher recommendation**

This college-level course introduces 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 socioeconomic

organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards (2012). This course prepares students to take the AP Human Geography exam developed by the College Board and students who perform successfully on the exam may earn college credits.

AFRICAN-AMERICAN HISTORY (2100340)

Grades 9-12

1.0 EL Credit – 2 Semesters

This course emphasizes the study of chronological development of African Americans by examining the political, economic, social, religious, military, and cultural events that affected the cultural group. Course content includes West African heritage, the Middle Passage and Triangular Trade, the African Diaspora, significant turning points and trends in the development of African American culture and institutions, enslavement and emancipation, the Abolition, Black Nationalist, and Civil Rights movements, major historical figures and events in African-American history, and contemporary African-American affairs.

STUDENT LEADERSHIP



EXECUTIVE INTERN – OFFICE AIDE (0500300)

Grade 12

1.0 EL Credit – 2 Semesters

Prerequisite: Administrative Approval

This course allows students to gain hands-on experience in an office setting. Students will serve as support to the office staff and / or the deans' office and will learn the working conditions based on their placement. Students must maintain confidentiality and behave in a courteous and professional manner. Placement as an Office Aide is a privilege, which can be revoked for attendance or behavior issues.

EXECUTIVE INTERN – TV PRODUCTION (0500300)

Grades 10-12

1.0 EL Credit – 2 Semesters

Prerequisite: Administrative Approval

This course is designed to introduce students to television production techniques. Students will be introduced to a variety of production roles and basic equipment including lighting, audio and video recording systems. Students will also be introduced to studio facilities and basic editing techniques. Placement as a TV Production student is a privilege, which can be revoked for attendance or behavior issues.