

# MANATEE HIGH SCHOOL *Curriculum Guide*

2025-26



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# General Information

## Registration Guidelines

1. View curriculum guide and discuss course selections with your parents or guardians.
2. Write down any questions you have for your teachers and counselor.
3. Study the courses in the Curriculum Guide and review possible choices with your teachers as you see them during the registration period.
4. Complete the top portion of your Request Form with your proper name and phone number.
5. Paying close attention to course requirements outlined in the curriculum guide, select your courses. This includes both subject area and elective courses.
6. Clearly indicate your elective choices by ranking them in priority order. Every effort is made to give you your top choices; however, if there is a scheduling conflict, alternate course selections must be made. If you do not choose alternate courses, one or more will be selected for you and will not be changed at a later date.
7. Ensure that you sign your Request Form. Take a picture of your form for your records.
8. Turn in your completed Request Form on or before the deadline to the designated person at school.

## Course Cancellation

Manatee High School reserves the right to drop any course due to insufficient enrollment, or lack of institutional materials, and/or teacher certification.

## Change of Schedule

The registration process and the development of student schedules takes place in the spring, at which time faculty and staff advise students. The process includes input from students, parents, teachers, counselors, and administrators. The school's master schedule is built, and new staff are hired based on registration requests. Students are expected to honor their commitments and to attend and complete the courses for which they register during the registration period. Schedule change requests will only be considered for the following reasons:

1. The student has already earned credit for the course.
2. The student has failed to meet the prerequisite for the course.
3. The student is scheduled for too many or not enough courses.
4. There was a clerical error.

Leveling classes to meet class size amendment may occur during the year per administration.

## Grading Scale

The following is the current grading system for Manatee County Schools for grades 9-12:

**Letter      Numerical      Quality Points**

A	90-100	4
B	80 - 89	3
C	70 - 79	2
D	60 - 69	1
F	0 - 59	0

Students receive both a letter grade and a numerical percentage for each nine-week grading period, for the semester examination, and for the final semester grade. The final semester grade is the only grade that will appear on the transcript. Report cards will be electronically distributed four times each school year (at the end of each nine-week grading period). Progress reports will be electronically distributed at the mid-point of each grading period. Parents may access grades through FOCUS.

## Weighted Courses

Classes designated as Honors/Advanced Pathways, Advanced Placement and certain Dual Enrollment courses will receive weighted grades according to the following grading scale:

<b>Letter</b>	<b>AP / DE Quality Points</b>	<b>Honors Quality Points</b>
A	5	4.5
B	4	3.5
C	3	2.5
D	2	1.5

When evaluating student's transcripts for admissions, most colleges and universities recalculate a student's GPA using ONLY grades from English, Math, Science, Social Studies and Foreign Languages. Additionally, the weight given to Honors, AP, and Dual Enrollment courses may be different than the weight the School District of Manatee County uses in calculating GPAs.

## **Educational Fees**

In some courses, there may be occasional requests for fees to provide educational enhancement. No student shall be denied the opportunity to participate fully in these classes because of an inability to pay. In such circumstances, please notify the teacher.

## **Enhanced Instruction for Non-Proficient Students**

Students must earn a Level 3 or higher in reading and/or math on a standardized assessment within the last 2 or more consecutive years. Students who do not meet this criteria may be required to receive enhanced instruction through a course that will assist in building the student's skills and in mastering standards.

## **Graduation Requirements, Standard Diploma, and Accelerated Options**

In order to earn a standard diploma in Manatee County, a student must meet specific academic requirements that are set forth by the State of Florida. It is advised that students and parents review the chart on the following pages to be certain that they are clear on what is necessary for a student to successfully earn a high school diploma. These requirements are based on the year a student enters ninth grade, and occasionally, requirements are revised.

## **Physical Education (HOPE) High School Waiver Options**

A student can waive the HOPE requirement in one of two ways:

1. Participate in two seasons of an interscholastic sport at the Junior Varsity or Varsity level
2. Complete two years in a Junior Reserve Officer Training Corps (JROTC) course. This will waive the full credit in HOPE and the full credit in a Fine/Performing Art.

## **Florida Virtual School (FLVS)**

Students have the opportunity to earn credit each school year through Florida Virtual School. Students should be self-motivated and task-oriented to successfully complete the coursework. Visit the website at [www.flvs.net](http://www.flvs.net) for course and enrollment information. Once the student creates an FLVS account and requests a course, approval from the high school counselor is required to complete the registration process.

## **Manatee Virtual School (MVS)**

Manatee Virtual School is available for full-time K-12 students who attend a Manatee County school. MVS is a franchise of the Florida Virtual School and utilizes the FLVS curriculum with Manatee County teachers trained to instruct and monitor the virtual courses. MVS can be used for credit recovery, acceleration, and/or scheduling conflicts. For more detailed information, please visit the MVS website at <https://www.manateeschools.net/Page/6022>, visit your counselor, or call 941-708-4971.

## **National College Athletic Association (NCAA)**

The initial eligibility standards for the college bound student athlete are different from general graduation requirements and can be significantly more rigorous. Please refer to <https://www.ncaa.org/> for more information or contact the Athletic Director if you are considering playing athletics at the collegiate level.

## **Bright Futures Scholarship Program**

The Florida Bright Futures Scholarship program consists of three scholarships funded through lottery dollars and awarded to eligible Florida high school graduates planning to continue their education at any eligible Florida post-secondary institution. For the most current information on the program, visit the Bright Futures website at: <http://www.floridastudentfinancialaid.org>

## **Florida Shines**

Florida Shines provides a variety of online services for students from Florida's public high schools, colleges, and universities. Florida Shines' academic advising services make it easy for high school students to prepare for college or a career after graduation.

Students can monitor their progress by running evaluations against their transcript information and the requirements for high school graduation and Bright Futures Scholarships. In addition, they can explore Florida's college and university offerings (both traditional and distance learning programs), learn about financial aid, and apply for admission. For more information visit [floridashines.org](http://floridashines.org).

## **Summer Assignments**

Some honors and Advanced Placement courses require a summer assignment. Students can locate this information on the MHS website after June 1st. If you have any questions, please contact administration at any point during the summer.

## Testing

### State end of course exams (EOC) and Florida Assessment of Student Thinking (FAST)

Florida state assessments, or achievement tests, are given to all students pursuing a high school diploma. There are two main types of Florida state assessments, EOC's and the FAST assessments in ELA.

- Students will participate in a computer-based state EOC assessments at the end of designated high school courses including Algebra 1, Geometry, Biology and US History. These exams will constitute 30% of the student's final grade. EOC requirements may be waived for some Exceptional Student Educations (ESE) students.
- The exams are required for grades 9 and 10.
- Passing the algebra EOC and the grade 10 ELA are graduation requirements. Students who do not pass these exams after the first attempt may take alternative exams to earn the required concordant scores. See chart below.

Grade 10 ELA	
Available for all students who entered grade 9 in 2010-11 and beyond.	
SAT Evidence-Based Reading and Writing (EBRW)	480
ACT English and Reading Subtests (average of two subtests)	18
CLT Verbal Reasoning and Grammar/Writing Sections	36
Algebra 1 EOC	
PSAT / NMSQT Math	430
SAT Math	420
ACT Math	16
Geometry EOC	499
CLT Quantitative Reasoning	11

### Florida Civics Literacy Exam (FCLE)

Beginning with the 2021-2022 school year, students taking United States Government are required to take the assessment of civic literacy identified by the State Board of Education pursuant to s. 1007.25(5). Students earning a passing score on the assessment are exempt from the postsecondary civic literacy assessment required by s. 1007.25(5).

### SAT and ACT

Information, including test dates, registration deadlines, and test fees for both the SAT and ACT is available online. The web address for the SAT is [www.sat.org](http://www.sat.org) and the ACT is [www.actstudent.org](http://www.actstudent.org).

### Classical Learning Test (CLT)

Information, including test dates, registration deadlines, and test fees is available online. The web address for the CLT is <https://www.cltexam.com/clt-florida/>.

### PSAT/NMSQT

Every October, the PSAT test is offered, and all 9-11 grade students are encouraged to participate. There may be a fee associated with the test, depending on the grade level of the student. Students who wish to be eligible for the National Merit Scholarship must take the PSAT in 11th grade.

### Post-Secondary Education Readiness Test (PERT)

This is a computer-based test aimed at measuring college readiness in the areas of mathematics, reading and writing. This is one of the tests that may be used to qualify for dual enrollment courses through USF or SCF. High school students can practice the PERT at the SCF website, [www.scf.edu](http://www.scf.edu). See your Guidance Counselor for enrollment and testing details. For more information on PERT testing please visit: <http://www.fldoe.org/schools/higher-ed/fl-college-system/common-placement-testing.shtml>.

### ASVAB

The Armed Services Vocational Aptitude Battery (ASVAB) is a multiple-aptitude battery that measures developed abilities and helps predict future academic and occupational success in the military. It is administered annually, usually in December or January.

## Advanced Study Options



### Dual Enrollment

Dual enrollment courses are college level courses for which a student may earn both college credit and high school credit. It is the responsibility of students to ensure that all required paperwork is completed accurately and thoroughly, and submitted well in advance of published deadlines. GPA and test scores are required and vary per university. Refer to the articulation agreement once available on the MHS Website.

Students need to keep in mind that by enrolling in a dual enrollment course, they are establishing a college GPA. The grade earned in the course becomes a permanent part of their college transcript. Universities will consider a student's college GPA when making admission decisions. Students will need to meet with their high school counselor to complete all necessary paperwork prior to the published deadlines.

#### Dual Enrollment through Manatee Technical College (MTC)

Manatee Technical College (MTC) offers technical training to qualified high school juniors and seniors who have expressed an interest in obtaining a technical skill and have the ability and maturity to benefit from training. While enrolled in MTC, students earn elective credits toward high school graduation. Tuition and most fees are waived. To view a list of current programs, visit <https://www.manateetech.edu/>. Students interested in attending MTC must be 16 years of age, have a minimum GPA of a 2.0, earned 11 high school credits, and submitted completed high school application to their high school counselor by MTC's posted deadline date.

#### Dual Enrollment through State College of Florida

Please complete the following steps that are specific to dual enrollment courses taken through State College of Florida (SCF). Please note, criteria for SCF Dual Enrollment are subject to change.

1. Verify eligibility requirements. See the Dual Enrollment Chart.
2. If there are no qualifying test scores, register to take ACT ([actstudent.org](http://actstudent.org)), SAT ([sat.org](http://sat.org)) or PERT Test scores must be accessible to SCF by application deadline.
3. Students must enroll in a full (7 credit) schedule of combined high school and early college classes.
4. Be academically motivated to accept the challenge of college level work.

If a student earns a W, D or F in any course as designated on the SCF transcript will not be eligible for dual enrollment the subsequent fall or spring semester. Students wishing to enroll in dual enrollment courses must have all applications, approval forms, and placement testing completed by the SCF deadlines.

**Deadlines:** Fall 2025: May 15, 2025 Spring 2026: December 1, 2026

SCF will not accept any applications, test scores or approval forms after these dates. Interested students need to contact their high school counselor well before these dates to ensure that deadlines are met. First time DE students and their parents/guardians must attend a mandatory enrollment meeting on February 20<sup>th</sup>, 2025, at 6pm in the MHS Davis Theater. For additional information about the dual enrollment program, visit [scf.edu/student-services/registrars/earlycollege/default.asp](http://scf.edu/student-services/registrars/earlycollege/default.asp)

#### Dual Enrollment through University for South Florida (USF)

Please complete the following steps that are specific to dual enrollment courses taken through USF. Please note, criteria for USF Dual Enrollment are subject to change.

1. Verify eligibility requirements. See the Dual Enrollment Chart.
2. If there are no qualifying test scores, register to take ACT ([actstudent.org](http://actstudent.org)), SAT ([sat.org](http://sat.org)) or PERT Test scores must be accessible to USF by application deadline.
3. Complete USF immunization form by application deadline.
4. Students must enroll in a full (7 credit) schedule of combined high school and early college classes. Students participating in their initial semester in the DE program may not take more than 2 USF courses during the semester.
5. Be academically motivated to accept the challenge of college level work.



If a student earns a W, C-, D, or F in any course as designated on the USF transcript or does not maintain a 2.0 college GPA, they will not be eligible for dual enrollment the subsequent fall or spring semester. Students wishing to enroll in dual enrollment courses must have all applications, approval forms, and placement testing completed by the USF deadlines.

**Deadlines:** Fall 2025: May 15, 2025

Spring 2026: December 1, 2026

USFSM will not accept any applications, test scores or approval forms after these dates. Interested students need to contact their high school counselor well before these dates to ensure that deadlines are met. First time dual enrolled students and their parents/guardians must attend a mandatory enrollment meeting on February 22<sup>nd</sup>, 2024 at 6pm in the MHS Cafeteria. For additional information about the dual enrollment program, visit <https://www.usf.edu/early-university-programs/index.aspx>

## Advanced Placement

Advanced Placement (AP) is the enrollment of an eligible student in a course offered by the Advanced Placement Program administered by the College Board. Postsecondary credit for an AP course may be awarded to students who score a minimum of 3 on a 5-point scale on the corresponding AP exam in accordance with the policies of the receiving college or university. Students shall be exempt from the payment of any fees for AP courses in which they are enrolled, including fees for administration of the AP examination, regardless of whether the student achieves a passing score. Students requesting to take AP exams for courses in which they are not currently enrolled must pay for the cost of the AP exam.

A student must have a 3.0 grade point average and have earned level 3 or higher on previous statewide assessments, passed a nationally-normed standardized test, or earned the required comparative/concordant score within the last two years to be eligible to participate in Advanced Placement. Students who request an AP course and meet the prerequisite for the course are expected to uphold their year-long commitment.

Each school will determine policies regarding schedule changes and AP Courses will be treated according to the established rules. However, students earning a D or F in an Advanced Placement at the end of the first quarter may be withdrawn and scheduled into another course in the same or similar subject area.

## Dual Enrollment vs. Advanced Placement

The choice as to which, if any, college acceleration program one participates in is up to the student. Students, along with the help of parents, need to research the university(s) of their choice and see what the university will accept. Not every university will give the same credit for AP exam scores or Dual Enrollment courses. Some things that should be considered before making a decision are:

- If applying to out of state schools or some of the highly selective in state schools, it may be advantageous to take as many AP courses as possible.
- If attending SCF after graduation, students may want to consider taking Dual Enrollment courses that meet the AA or AS degree requirements.
- If applying to a four-year university that is moderately selective, a mixture of both Dual Enrollment courses and AP may be acceptable.

Comparison of Programs	
Dual Enrollment	Advanced Placement
Instructors have a Master’s Degree with 19 graduate credit hours in content area	Teachers are certified by College Board.
Students receive college credit if final grade is “C” or higher.	Students receive college credit only by passing the standardized AP exam.
College credit accepted by the State University System with passing grade.	College credit acceptance by State University System is dependent on AP exam score and major.

# AP Capstone Diploma Program

Manatee High is proud to be an AP Capstone School!

## What Is the AP Capstone Diploma Program?

AP Capstone™ is a diploma program based on two AP courses: AP Seminar and AP Research. These year-long courses focus on developing the critical thinking, research, collaboration, time management, and presentation skills you need for college-level work.

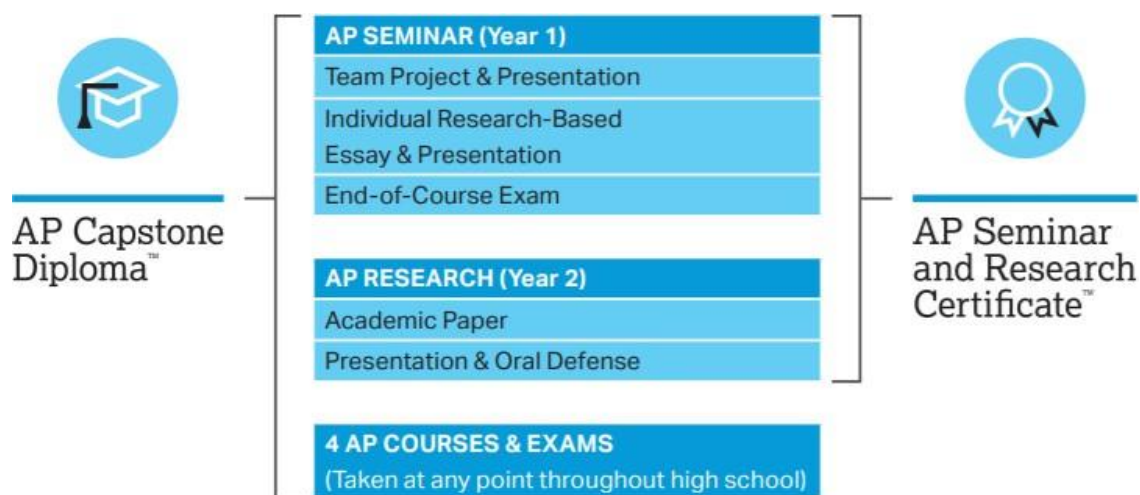
## How It Works

If you earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of your choice, you'll receive the **AP Capstone Diploma™**. If you earn scores of 3 or higher in AP Seminar and AP Research, you'll receive the **AP Seminar and Research Certificate™**.

## The Classes

**AP Seminar** - During this course, you'll investigate a variety of topics through various viewpoints of your choice. You will also complete a team project and an individual paper and presentation, as well as take a written end-of-course exam.

**AP Research** - In AP Research, you'll explore various research methods and complete an independent research project. Your project can build on a topic, problem, or issue you covered in AP Seminar or on a brand new topic of your own choosing. At the end of the project, you'll submit your academic paper and present and defend your research findings.



## Stand Out in College Admission with AP Capstone

AP Capstone candidates stand out:

- On college applications and essays because they demonstrate critical thinking, communication, and research skills associated with AP Capstone.
- In college interviews because of the confidence, expertise, and passion they show when they talk about their unique academic projects.
- To college admission officers, who recognize that AP Capstone students know how to build evidence-based arguments, apply research methods, work in teams, deliver professional presentations, and complete long-term academic projects.





# Graduation Requirements - Florida Department of Education

Subject Area	24 Credit Program	ACCEL Program / Diploma Designations
English Language Arts (ELA)	4 credits in ELA 1, 2, 3, 4 ELA Honors, AP AICE, IB and dual enrollment courses may satisfy this requirement (must pass the Grade 10 FAST)	<b>ACCEL Program (18 credits minimum)</b> <ul style="list-style-type: none"> <li>Physical Education is not required</li> <li>3 elective credits</li> </ul> <p>All other graduation requirements for a standard diploma must be met.</p>
Mathematics	4 credits, one of which must be Algebra 1 and one of which must be Geometry (Algebra 1 EOC results count 30% of the final course grade and must be passed to earn a standard diploma; Geometry EOC results count 30% of final course grade). <b>Note:</b> An identified computer science course may substitute for up to one math credit (except Alg 1 and Geo).	<b>Scholar Designation</b> <p>In addition to meeting the standard high school diploma requirements:</p> <ul style="list-style-type: none"> <li>1 credit in Algebra 2</li> <li>1 credit in Statistics or an equally rigorous mathematics course</li> <li>Pass the Biology 1 EOC Assessment</li> <li>1 credit in Chemistry or Physics</li> <li>1 credit in a course equally rigorous to Chemistry or Physics</li> <li>Pass the U.S. History EOC Assessment</li> <li>2 credits in the same world language</li> <li>Earn at least one credit in AP, IB, AICE or a dual enrollment course.</li> <li>Pass Geometry EOC Assessment</li> </ul>
Science	<ul style="list-style-type: none"> <li>1 credit in Biology 1 (Biology EOC results count 30% of the final course grade)</li> <li>2 credits in equally rigorous science courses</li> </ul>	
Social Studies	<ul style="list-style-type: none"> <li>1 credit in World History</li> <li>1 credit in US History (US History EOC results count 30% of the final course grade)</li> <li>.5 credit in US Government</li> <li>.5 credit in Economics</li> <li>.5 credit in Personal Financial Literacy (Class of 2027 and beyond)</li> </ul>	<b>Merit Designation</b> <p>In addition to meeting the standard high school diploma requirements:</p> <ul style="list-style-type: none"> <li>Attain one or more industry certifications from the list established under section 1003.492, Florida Statutes (F.S.)</li> </ul>
World Languages	Not required for high school graduation, but required for admission into state universities	
Fine and Performing Arts, Speech and Drama, or Practical Arts	1 credit in fine or performing arts, speech and debate, or practical arts (eligible courses specified in the Florida Course Code Directory)	
Physical Education	1 credit in physical education to include the integration of health (HOPE)	
Industry Certification	Not required	
Electives	<ul style="list-style-type: none"> <li>8 credits</li> <li>7.5 credits (Class of 2027 and beyond)</li> </ul>	
Grade Point Average (GPA)	Cumulative GPA of 2.0 on a 4.0 scale	
<b>Special Notes:</b> <ul style="list-style-type: none"> <li>EOC - End of Course Assessment; AP – Advanced Placement; AICE – Advanced International Certificate of Education; IB – International Baccalaureate.</li> </ul>		

# Bright Futures Scholarship Program

Scholarship Name	Florida Academic Scholars Award (FAS)	Florida Medallion Scholars Award (FMS)	Florida Gold Seal Vocational Award (GSV)
<b>Grade Point Average (GPA)</b>	3.5 weighted GPA using the credits listed below	3.0 weighted GPA using the credits listed below:	3.0 weighted GPA using the 16 core credits required for high school graduation (listed below) and a 3.5 unweighted GPA in a minimum of three vocational credits within one program
Evaluation for Bright Futures includes an unrounded, weighted high school GPA (calculated to two decimal places). The following courses are weighted .25 per semester course or .50 per year course in the calculation of the GPA: Advanced Placement (AP), Honors, or academic Dual Enrollment. For example, whereas an 'A' equals 4 quality points for an unweighted course, an 'A' would equal 4.5 quality points for a weighted course.			
<b>Required Credits</b>	<p>Courses must include 16 credits of college preparatory academic courses.</p> <p>4 English 4 Mathematics (Algebra 1 and higher) 3 Natural Science 3 Social Science 2 World Language (in the same language)</p> <p>16 Credits</p> <p>May use up to two additional credits from courses in the academic areas listed above to raise the GPA.</p>	<p>Courses must include 16 credits of college preparatory academic courses.</p> <p>4 English 4 Mathematics (Algebra 1 and higher) 3 Natural Science 3 Social Science 2 World Language (in the same language)</p> <p>16 Credits</p> <p>May use up to two additional credits from courses in the academic areas listed above to raise the GPA.</p>	<p>Courses must include the 16 core credits required for high school graduation.</p> <p>4 English 4 Mathematics (including Algebra 1) 3 Natural Science 3 Social Studies (US History, World History, US Govt. &amp; Economics) 1 Fine or Performing Art 1 HOPE</p> <p>16 Credits</p> <p>Plus a minimum of three Vocational Job-Preparatory or Technology Education Program credits in one vocational program.</p>
<b>Community Service</b>	100 hours or 100 paid work hours OJT hours do not count	75 hours or 100 paid work hours OJT hours do not count	30 hours or 100 paid work hours OJT hours do not count
<b>Test Scores</b>	<p>ACT / CLT / SAT</p> <p>2025 Grads 29 / 96 / 1340</p> <p>2026 Grads 29 / 96 / 1340</p>	<p>ACT / CLT / SAT</p> <p>2025 Grads 25 / 84 / 1210</p> <p>2026 Grads 25 / 84 / 1210</p>	<p>PERT: Reading 106 Writing 103 Math 114</p> <p>SAT: Writing 25 Crit Read 24 Math 24</p> <p>ACT: English 17 Reading 19 Math 19</p>
Eligibility requirements are subject to change pending legislative action with regard to criteria and funding. For more information, visit the Bright Futures website at <a href="http://www.floridastudentfinancialaid.org/ssfad/bf">www.floridastudentfinancialaid.org/ssfad/bf</a> .			

## Dual Enrollment Options

	 <b>STATE COLLEGE OF FLORIDA</b> MANATEE - SARASOTA			 <b>UNIVERSITY OF SOUTH FLORIDA</b>
Program	Dual Enrollment	Early Admission	Accelerated Dual Enrollment	Dual Enrollment
Prerequisite Courses	Successful completion of 10 high school credits prior to the first semester of DE. Must include 2 English credits and 2 math credits.	Successful completion of 18 high school credits prior to the start of the first semester of DE. Must include 2 English credits and 2 math credits (Algebra and Geometry or higher).	Successful completion of 2 English credits and 2 math credits (Algebra and Geometry or higher). Must have passed the Grade 10 FSA/ELA and Algebra 1 EOC.	N/A
GPA Requirement	3.0 Unweighted	3.0 Unweighted	3.3 Unweighted	3.5 Weighted
Test Scores Requirement*	Digital SAT Reading - 490 Digital SAT Writing - 490 Digital SAT Math - 114	Digital SAT Reading - 490 Digital SAT Writing - 490 Digital SAT Math - 114	Digital SAT Reading - 490 Digital SAT Writing - 490 Digital SAT Math - 114	SAT EBRW - 560 SAT Math - 530*
	ACT Reading - 19 ACT English - 17 ACT Math - 19*	ACT Reading - 19 ACT English - 17 ACT Math - 19*	ACT Reading - 19 ACT English - 17 ACT Math - 19*	ACT Reading - 21 ACT Math - 21*
	PERT Reading - 106 PERT Writing - 103 PERT Math - 123*	PERT Reading - 106 PERT Writing - 103 PERT Math - 123*	PERT Reading - 106 PERT Writing - 103 PERT Math - 123*	PERT Reading - 106 PERT Writing - 103 PERT Math - 123*
Deadline	Fall '25 - May 15th Spring '26- December 1st	Fall '25 - May 15th Spring '26- December 1st	Fall '25 - May 15th Spring '26- December 1st	Fall '25 - May 15th Spring '26- December 1st
Grade Level	10th - 12th	12th	11th & 12th (must start in junior year)	10th (Math only) 11th - 12th
Location of Classes	Any SCF Campus and SCF Online	Any SCF Campus and SCF Online	Any SCF Campus and SCF Online	PCHS or USF Campus <i>Maximum of four (4) courses (12 credit hours) can be taken on the high school campus.</i>
Course Load	May not exceed 11 credit hours per term. Balance of courses must be taken on the high school campus.	Minimum of 12 credit hours but may not exceed 15 credit hours per term.	Must take 15 credit hours per term.	No more than 6 credit hours in the initial term of enrollment. After the first term, may take no more than 11 hours per term.
Continuing Eligibility	Must maintain high school GPA of 3.0 (unweighted), college GPA of 2.0 <b>and</b> must earn a C or better in each college course. Students who earn less than a C, withdraw, or are withdrawn from any dual enrollment course are ineligible to participate in DE through any institution the following semester.	Must maintain high school GPA of 3.0 (unweighted), college GPA of 2.0 <b>and</b> must earn a C or better in each college course. Students who earn less than a C, withdraw, or are withdrawn from any dual enrollment course are ineligible to participate in DE through any institution the following semester.	Must maintain high school GPA of at least 3.0 (unweighted) <b>and</b> maintain a college term GPA of at least a 2.0.	Must maintain at least a C (2.0) average in dual enrollment courses and maintain a weighted GPA of 3.3 GPA on high school transcripts including dual enrollment course final grades. Students who withdraw, or are withdrawn from any dual enrollment course are ineligible to participate in DE through any institution the following semester.
Application	Online SCF Early College Application	Online SCF Early College Enrollment Application	Online SCF Early College Application	Online USF Non-Degree Seeking Application

\*Math scores listed meet the minimum college-level math requirement. Higher scores are required for upper-level math courses. All other courses require the minimum test score in both Reading **and** Writing/English to qualify. Any student who wishes to participate in Accelerated Dual Enrollment must earn qualifying scores in all three areas (Reading, Writing & Mathematics).

*The eligibility requirements for all dual enrollment programs are subject to change pending final approval of the Articulation Agreements*

# Academies and Programs

## Career Academies/Programs

Manatee High School offers two career-focused academies/programs as part of a comprehensive endeavor to prepare students to succeed in post-secondary education and in a technical career.

- **STEM Program for Design & Engineering**
- **Medical Academy**

## Why Choose an Academy or Program?

Career Academies provide challenging, coherent course sequences that are a roadmap to future career goals. They share three basic features:

1. Academy students have the opportunity to earn Industry Certifications that benefit them in college or as they seek employment.
2. Students are with others who share similar interests and are encouraged to participate in extracurricular career and technical student organizations and programs related to the academies.
3. Academies bring in guest speakers and offer field trips, shadowing and internships to motivate and encourage students to learn more about career options.

## Stem for Design and Engineering

Students interested in the STEM (science, technology, engineering, and math) fields of design and engineering are encouraged to participate in this innovative learning program. Our program blends rigorous academic concepts with hands-on projects. Students learn how to integrate science and math concepts with technology, engineering, and design to create, innovate and solve problems. The program prepares students for post-secondary education as well as high paying, high tech careers.

Students are encouraged to participate in TSA and/or SkillsUSA, career and technical student organizations. SkillsUSA offers local, state, and national opportunities for students to learn and practice personal, workplace and technical skills.

In addition, students may earn Industry Certifications in Adobe Video Design, Adobe Visual Design, Adobe Web Design, CIW Javascript Specialist, RECF Pre Engineering Certification, RECF – Robotics, AutoCad Certified User and Certified Solidworks Associate.

### Course Sequence:

Students choose a pathway of focus: Digital Design, Engineering, or Advanced Manufacturing

**Digital Design Course Sequence:** Digital Information Technology, Digital Design I, II, III, IV

**Engineering Course Sequence:** Applied Engineering Tech I, II, III, Advanced Technology Applications

**Advanced Manufacturing Sequence:** Advanced Manufacturing Tech I, II, III, IV

Upper-level Engineering students may take additional academy electives such as Foundations of Robotics and/or Drafting

*\*Students who complete three (3) or more courses in a sequence are recognized as program completers.\**

## POSSIBLE COLLEGE MAJORS/CAREER PATHS

Civil Engineering	Multimedia Design	Industrial Engineering	Web Design
Mechanical Engineering	Game Design	Engineering Technology	Computer Programming
Software Developer	Architecture	Database Administrator	Biomedical Engineering
Chemical Engineering	Graphic Design	Animator	CAD Technician

## HOW TO PARTICIPATE IN THE STEM PATHWAY PROGRAMS

Students should select one of the STEM electives courses as their top elective choice (students may choose more than one).

## Medical Academy

The Medical Academy prepares students for healthcare and veterinary careers through a rigorous, relevant health and academic program. Students experience hands-on learning, use of technology, mentoring, shadowing, and internships in the medical community and will be more prepared for employment or to advance their education.

Students in this program are also eligible to participate in HOSA—future health professionals, a national student organization. HOSA's two-fold mission is to promote career opportunities in the health care industry and to enhance the delivery of quality health care to all people. HOSA provides a unique program of leadership development, motivation and recognition for students enrolled in health occupations educational programs.

In addition, students may earn Industry Certifications in Certified Medical Administrative Assistant (CMAA), Emergency Medical Responder (EMR), and EKG Technician.

### COURSE SEQUENCE:

**9th grade:** CPR/Care and Prevention and/or Medical Skills and Services

(students who have earned a level 3 on the FSA ELA take Biology as a core academic class)

**10th grade:** Anatomy and Physiology Honors

**11th grade:** Health Science Foundations (Honor Course)

**12th grade:** Allied Health Assisting/Emergency Medical Responder (Honors Course)/EKG Tech/Exercise Science - students may take one or more of these options in their senior year

*\*Students who complete this sequence are recognized as Program Completers\**

### RECOMMENDED ACADEMY ELECTIVES:

Health Occupations Education Directed Study

### POSSIBLE COLLEGE MAJORS/CAREER PATHS:

Strength and Conditioning Coach	Environmental Health	Cardiology	Anesthesiologist	Forensic Pathology	Pediatrics
Athletic Training	Gerontology	Pharmacology	Biochemistry	Health Services Administration	Physical Therapy
Personal Trainer	Pre-Medicine	Chiropractic	Neurology	Public Health	Dietetics
Nursing	Radiologist	Dentistry	Nutritionist	Respiratory	Therapist
Dental Hygienist	Occupational Therapy	Sports Medicine	Dermatology	Fitness and Wellness	Veterinary Medicine

### HOW TO JOIN THE MEDICAL ACADEMY

Students interested in joining the Medical Academy must complete an application and return it before the deadline. Applications are posted on the school website and will be available during the course registration period. Students accepted into the Medical Academy will be given priority in scheduling for these classes. *Completed applications should be returned to Mrs. Linda Norris, College and Career Advisor.*

### FOR INFORMATION, CONTACT:

Coach Lansky

[lanskyr@manateeschools.net](mailto:lanskyr@manateeschools.net)

## College Preparatory Academy (CPA)



The goal of the College Preparatory Academy is to prepare students for the rigor of post-secondary education at the college or university of their choice. Completion of the College Preparatory curriculum will give students the analytical, communication and research skills to be successful in college and ultimately achieve their career goals. The College Preparatory Academy reinforces Manatee High's commitment to excellence by increasing the student's potential to earn college credit while in high school. This program offers the academically talented student an opportunity to pursue a challenging, in-depth liberal arts education beginning in the 9th grade and continuing through the 12th grade. Students may apply to College Preparatory Academy before the beginning of their 9<sup>th</sup> or 10<sup>th</sup> grade years.

### Acceptance Criteria for 9<sup>th</sup> and 10<sup>th</sup> Grades

1. Earn semester grades of A's or B's in all academic courses: English, Math, Science, & Social Studies
2. Earn at least a 4 on Reading and Math state assessments (at least a 3 on Geometry)
3. Earn at least a 3 on the Science or Biology state assessment
4. Participation in at least one honors high school credit class the year before acceptance
5. Acceptable behavior

### Advantages of the MHS College Preparatory Academy

- Preparation for college through a rigorous academic program.
- Development of problem-solving, analytical and critical thinking skills.
- Development of communication and research skills.
- Flexibility in course selection.
- Potential college credit through Advanced Placement or Dual Enrollment courses.
- PSAT, SAT, and ACT preparation.
- Workshops offered to help with college application (essay and resume writing, interview skills, etc.)

### To be recognized as an MHS College Preparatory Completer at graduation, a student must:

- Complete a minimum of 6 AP and/or dual enrollment courses on Manatee High School campus
  - You must complete AP Seminar and AP Research.
  - Online courses do not count toward this requirement.
  - *\*At least 2 AP/DE courses must be taken on campus during both Junior and Senior years.*
- Earn a minimum unweighted B average in CPA and/or AP/DE courses each year with no D's for semester grades
- Complete at least 2 consecutive years of a foreign language
- Exhibit acceptable behavior each year
- Display proficiency on all state assessments each year
- Pass at least one AP exam prior to senior year
- Take the PSAT during 9<sup>th</sup>, 10<sup>th</sup>, and 11<sup>th</sup> grades (*recommended*)
- Complete at least 75 community service hours
- Earn at least an 1210 SAT or 26 ACT scores

For additional information, visit our CPA website <https://www.manateeschools.net/domain/3139>, or contact William Gilbert, CPA Coordinator, [gilbertw@manateeschools.net](mailto:gilbertw@manateeschools.net)



# English

## English 1

1001310

Grade 9

This course defines what students should understand and be able to do by the end of 9th grade. Knowledge acquisition should be the primary purpose of any reading approach as the systematic building of a wide range of knowledge across domains is a prerequisite to higher literacy. At this grade level, students are working with universal themes and archetypes. They are also continuing to build their facility with rhetoric, the craft of using language in writing and speaking, using classic literature, essays, and speeches as mentor texts. The benchmarks in this course are mastery goals that students are expected to attain by the end of the year. To build mastery, students will continue to review and apply earlier grade-level benchmarks and expectations.

## English 1 Honors

1001320

Grade 9

*Prerequisite: ELA Achievement 3-5*

This course defines what students should understand and be able to do by the end of 9th grade. Knowledge acquisition should be the primary purpose of any reading approach as the systematic building of a wide range of knowledge across domains is a prerequisite to higher literacy. At this grade level, students are working with universal themes and archetypes. They are also continuing to build their facility with rhetoric, the craft of using language in writing and speaking, using classic literature, essays, and speeches as mentor texts. The benchmarks in this course are mastery goals that students are expected to attain by the end of the year. To build mastery, students will continue to review and apply earlier grade-level benchmarks and expectations.

## World Literature Honors

1020850

Grade 9

*Prerequisite: College Prep Students only*

This course provides instruction in universal themes found in World Literature as well as the critical analysis of various genres in that literature. Composition instruction emphasizes the creative, logical, and critical aspects of the writing process. Instruction will parallel and complement the course of study in World History.

## English 2

1001340

Grade 10

This course defines what students should understand and be able to do by the end of 10th grade. Knowledge acquisition should be the primary purpose of any reading approach as the systematic building of a wide range of knowledge across domains is a prerequisite to higher literacy. At this grade level, students are working with universal themes and archetypes. They are also continuing to build their facility with rhetoric, the craft of using language in writing and speaking, using classic literature, essays, and speeches as mentor texts. The benchmarks in this course are mastery goals that students are expected to attain by the end of the year. To build mastery, students will continue to review and apply earlier grade-level benchmarks and expectations.

## English 2 Honors

1001350

Grade 9 - 10

*Prerequisite: ELA Achievement 3-5 and Eng Hon 1 A - C*

This course defines what students in an honors setting should understand and be able to do by the end of 10th grade. Knowledge acquisition should be the primary purpose of any reading approach as the systematic building of a wide range of knowledge across domains is a prerequisite to higher literacy. At this grade level, students are working with universal themes and archetypes. They are also continuing to build their facility with rhetoric, the craft of using language in writing and speaking, using classic literature, essays, and speeches as mentor texts. The benchmarks in this course are mastery goals that students are expected to attain by the end of the year. To build mastery, students will continue to review and apply earlier grade-level benchmarks and expectations.

## American Literature Honors

1020810

Grade 10

*Prerequisite: College Prep Students only*

The purpose of this course is to enable students, using texts of high complexity, to develop knowledge of American literature through advanced integrated educational experiences of reading, writing, speaking, and listening, and language. Emphasis will be on representative American literature, with its varied cultural influences, from the Colonial Period to the present, highlighting the major genres, themes, subjects, and historical influences associated with each literary period, including pertinent foundational documents in United States history.

### English 3

1001370

Grade 11

This course defines what students should understand and be able to do by the end of 11th grade. Knowledge acquisition should be the primary purpose of any reading approach as the systematic building of a wide range of knowledge across domains is a prerequisite to higher literacy. At this grade level, students are working with universal themes and archetypes. They are also continuing to build their facility with rhetoric, the craft of using language in writing and speaking, using classic literature, essays, and speeches as mentor texts. The benchmarks in this course are mastery goals that students are expected to attain by the end of the year. To build mastery, students will continue to review and apply earlier grade-level benchmarks and expectations.

### AICE General Paper

1009400

Grade 12

The purpose of this course is to encourage students to make cross curricular links to develop a maturity of thought, appropriate to students at this level and to achieve an understanding and usage of the English language. These skills enable them to express arguments, ideas, and opinions in a reflective and academic manner. An awareness of the wider implications of issues will enhance the quality of student responses to the questions. General Paper is not a test of general knowledge. The key objective is for students to convey information and/or opinions in a way that is thoughtful, perceptive, and intelligent to the reader.

### DE Composition I and Composition II

ENC 1101/1102

Grades 11-12

**Prerequisite:** Must satisfy all current Dual Enrollment admission requirements including test scores and GPA by the posted deadline.

ENC1101 encompasses grammar and diction review, composition, expository writing, work with both primary and multiple source themes, instruction in the use of the library and writing the research paper, as well as practice in oral communication. ENC1102 includes a deeper emphasis on reading critically and analytically, understanding literary terminology and techniques, and writing an in-depth research essay. Dual-Enrollment is a Gordon Rule course that requires a minimum of 6000 written words each semester. Likewise, students should be academically motivated to accept the challenge of college level work.

### DE Technical Writing and Creative Writing

Grades 12

**Prerequisite:** Must satisfy all current Dual Enrollment admission requirements including test scores and GPA by the posted deadline including ENC 1101/1102.

ENC 2210: Effective presentation of technical and semi-technical information. Students in this course will engage in writing as a process, which means employing strategies such as pre-writing, co-authoring, document design, peer feedback, revising, and editing. Students will learn how to develop ideas and texts that follow academic/disciplinary conventions for different contexts, audiences, and purposes. An integral part of writing is revision in response to feedback, so students will be required to revise major course writing assignments (including one major assignment) after receiving feedback from the instructor. At a minimum, students will write 4500 words for this course.

CRW 3013: This course will introduce students to the fundamental tools of creative writing: how to generate ideas, recognize and develop a writer's voice, choose a form and genre, assess and edit creative work, and how professional writers work on their craft.

### AP Language and Composition

1001420

Grade 11-12

**Prerequisite:** ELA Achievement 3 – 5 and A or B in Eng 3 Hon

The AP course in English Language and Composition will train students to become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. The objective of the course is to help students become flexible writers, proficient in a variety of modes for a variety of purposes through frequent practice and helpful, insightful criticism. Both reading and writing will make students aware of the interaction between authorial purpose, audience needs, the subject itself, generic conventions, and resources of language: syntax, diction, and tone. Students are expected to submit a summer reading and writing assignment the second day of English class. Likewise, students should be academically motivated to accept the rigor and challenge of college level work. Students will have to complete a summer assignment and can expect approximately 5 hours per week of work outside of class.

### AP Literature and Composition

1001430

Grade 12

**Prerequisite:** ELA Achievement 3 – 5 and A – C in AP Lang

The AP course in English Literature and Composition demands close and insightful reading of literary texts and sophisticated written analysis of those texts. The study of literature focuses on three genres (the novel, drama, and poetry) and prepares students as mature readers and skilled writers through frequent practice. Particular attention will be devoted to diction, tone, syntax, figurative language and other literary devices as they influence and define authorial purposes and textual themes. The objective of the course is to promote proficient college-level writers through frequent practice and helpful, insightful criticism. Students are expected to submit a summer reading and writing assignment the second day of English class. Likewise, students should be academically motivated to accept the rigor and challenge of college level work. Students will have to complete a summer assignment and can expect approximately 5 hours per week of work outside of class.

## English 1-4 through ESOL

1002300-1002520 Grades 9 - 12

### *Prerequisite: Teacher recommendation*

These courses provide instruction to speakers whose first language is not English. The course goal is the acquisition of the English communication skills needed for success in an academic setting. Emphasis is on literature, writing skills, and English grammar. These courses meet graduation requirements for English 1 through 4.

## Math

### Algebra 1A

1200370 Grade 9

#### *Prerequisite: 8th grade math level 1-2*

This course is the first half of a two-year Algebra 1 program. Fundamental concepts of Algebra will be presented at a more gradual pace than in a traditional Algebra 1 course. The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. The primary focus of Algebra 1A will be on deepening the understanding of the relationships between quantities, and reasoning with equations, as well as linear and exponential relationships. Successful completion of both Algebra 1A and Algebra 1B will satisfy the Algebra 1 graduation requirement and students will take the Algebra 1 /EOC at the conclusion of Algebra 1B, which will count for 30% of their grade.

### Algebra 1

1200310 Grade 9 - 10

#### *Prerequisite: 8th grade math level 2-5*

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. 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, and students engage in methods for analyzing, solving, and using quadratic functions. 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. Students will take the Algebra 1 /EOC at the conclusion of Algebra 1, which will count for 30% of their grade.

### Geometry

1206310 Grades 9 - 12

Emphasis on critical thinking involving the discovery of relationships and their proofs and skill in applying deductive method to mathematical situations, logic and reasoning, Euclidean Geometry study of lines, planes, angles, triangles, similarity, congruence, geometric inequalities, polygons and circles, area, volume, and constructions.

### Geometry Honors

1206320 Grades 9 - 10

#### *Prerequisite: Algebra EOC score 3-5*

In-depth study of Geometry with emphasis on the formal language of mathematics: structure of geometry, shape properties, angle concepts, triangles, quadrilaterals, proofs, perpendicularity, and parallelism in a plane and in space, similar polygons, circles and spheres, constructions, area and volume, coordinate geometry, topology, and transformational geometry.

### Math for Data & Financial Literacy

1200384 Grades 11 - 12

In Mathematics for Data and Financial Literacy, instructional time will emphasize: Continued foundational knowledge of ratios, proportions and functions to data and financial contexts; developing understanding of basic economic and accounting principles; developing an understanding of credit accounts and short- and long-term loans; developing understanding of planning for the future through investments, insurance and retirement plans; understanding the use of data analysis to create and evaluate reports and to make predictions.

**Math for College Liberal Arts****1207350****Grade 10 - 12*****Prerequisite: Successful completion of Geometry***

In Mathematics for College Liberal Arts, instructional time will emphasize five areas: (1) analyzing and applying linear and exponential functions within a real-world context; (2) utilizing geometric concepts to solve real-world problems; (3) extending understanding of probability theory; (4) representing and interpreting univariate and bivariate data and (5) developing understanding of logic and set theory. Students should have already completed Geometry

**Algebra 2****1200330****Grades 9 - 12*****Prerequisite: Algebra EOC 3 – 5 and an A or B in Geometry***

Continuing study of structure of Algebra and foundation of application of these skills to other mathematical and scientific fields, review and extension of structure and properties of real number system, relations, functions and graphs, polynomials and rational expressions, quadratic equations and inequalities, polynomial functions, rational and irrational exponents, logarithms, complex numbers, application problems in most areas.

**Algebra 2 Honors****1200340****Grades 9 – 11*****Prerequisite: Algebra EOC 4-5 and A or B in Geometry Honors***

Algebraic structure, first-degree equations in one and two variables solved algebraically and graphically, systems of equations and inequalities, functions and relations, polynomials and rational expressions, exponents and radicals, logarithms, complex numbers, conic sections, polynomial equations, sequences and series, permutations, combinations and probability, matrices (all as an in-depth study with emphasis on theory, proof, and development of formulas, as well as their application).

**Math for College Algebra****1200710****Grades 10 - 12*****Prerequisite: Algebra 2***

In Mathematics for College Algebra, instructional time will emphasize five areas: (1) developing fluency with the Laws of Exponents with numerical and algebraic expressions; (2) extending arithmetic operations with algebraic expressions to include rational and polynomial expressions; (3) solving one-variable exponential, logarithmic, radical and rational equations and interpreting the viability of solutions in real-world contexts; (4) modeling with and applying linear, quadratic, absolute value, exponential, logarithmic and piecewise functions and systems of linear equations and inequalities; (5) extending knowledge of functions to include inverse and composition.

**Pre-Calculus Honors/DE Pre-Calculus Algebra & Trigonometry****MAC 1147****Grades 10 – 12*****Prerequisite: Must satisfy all current Dual Enrollment admission requirements including test scores and GPA by the posted deadline.***

The first semester one of this course pairing is a .5 credit Precalculus Honors high school level course. This course will prepare students for the semester 2 dual enrollment course. This course will emphasize the study of functions and other skills necessary for the study of calculus. Topics shall include, but not limited to, polynomial, rational, exponential, inverse, logarithmic and circular functions, sequences, series, theory of limits, vectors, conic sections, polar coordinates, symbolic logic, mathematical induction, and matrix algebra. Both courses are combined to run the whole year.

**DE College Algebra/Elementary Statistics****MAC1105/STA2023****Grades 10 - 12*****Prerequisite: Must satisfy all current Dual Enrollment admission requirements including test scores and GPA by the posted deadline.***

College Algebra will be paired with Elementary Statistics second semester which is also a Dual Enrollment course. College Algebra is a rigorous introduction to the math concepts necessary for successful study of pre-calculus and trigonometry. This course is primarily a conceptual study of functions and graphs, their applications and of systems of equations and inequalities. Linear, quadratic, rational, absolute value, radical, exponential, and logarithmic functions will be investigated. The use of a graphing calculator is integrated throughout the course. The second semester includes the study of fundamental statistics topics, including normal, binomial, and multinomial distributions, measures of central tendency and variation, confidence intervals, hypothesis testing, sampling techniques, and simple linear regression, correlation and nonparametrics.

**AP Statistics****1202320****Grades 11 - 12*****Prerequisite: 3.0+ GPA; A in Algebra 2 or B or Higher in Algebra 2 Hon***

The Advanced Placement course in statistics is designed 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, planning a study, anticipating patterns, and statistical inference. Students who successfully complete the course and examination may receive credit for a one-semester introductory college statistics course.

**AP Calculus AB****1202310****Grades 11 - 12*****Prerequisite: 3.0 GPA; Precalc Hon or PreCalc Hon/MAC 1147***

Properties and derivatives of algebraic, trigonometric, exponential and logarithmic functions, concept of limits to functions, derivatives of the inverse of a function, relationship between differentiability and continuity, application of derivatives to find the slope of a curve and tangent and normal lines to a curve, increasing and decreasing functions, relative and absolute maximum and minimum points, concavity and points of inflection, finding anti derivatives and applying them to solve problems related to motion of bodies, techniques of integration, finding approximation to definite integrals using rectangles, finding the area between curves and the volume of a solid of revolution.

## Science

**Environmental Science****2001340****Grades 9*****Prerequisite: ELA Achievement 1-2***

Environmental science is the study of organisms and processes in the natural world and their modification by human activity. Students will study current environmental problems in context of the physical, biological, and chemical processes that are often the basis of those problems. This course will provide the skills necessary to address the environmental issues we are facing today by examining scientific principles and the application of those principles to natural systems. This course will survey some of the many environmental science topics at an introductory level, considering the sustainability of human activities on the planet.

**Biology 1****2000310****Grades 9 - 11*****Prerequisite: ELA Achievement 3-5***

This course begins by building a foundation for understanding the scientific process. Students will practice the scientific process as they engage in various exploratory activities, laboratory experiences and real-life applications in the biological sciences. Topics include ecology, biochemistry, genetics, cells, biotechnology, evolution, classification, and more. Students at the end of this course take the Biology End of Course Exam that counts as 30% of their course grade. A lab donation will be requested to help finance laboratory activities.

**Biology 1 Honors****2000320****Grades 9 - 10*****Prerequisite: ELA Achievement 4 – 5 (9<sup>th</sup> grade only for College Prep Academy)***

In addition to the Biology 1 requirements, this course covers the content at a faster rate and in more depth. Extensive use of lab equipment and conducting experiments are an integral part of this course. Significant projects are required of students in most of the units. Students at the end of this course take the Biology End of Course Exam that counts as 30% of their course grade. A lab donation will be requested to help finance laboratory activities.

**Marine Science****2002500****Grades 11-12*****Prerequisite: None***

Marine Science blends Life, Earth, and Physical Science and includes STEM pedagogical strategies that help students understand integrated science content in the context of the ocean – Earth's greatest resource. This course covers scientific method, safe and effective use of laboratory instruments, geography of the seas, marine geological features, anatomy, physiology, and behavior of major groups of marine organisms, ecological chains, webs and cycles in the marine community, ways in which man benefits from the marine community, chemical and physical properties of ocean waters, the relationship between oceans and climate, and interaction of oceanography with technology & society. A lab donation will be requested to help finance laboratory activities.

**Marine Science Honors 1****2002510****Grades 11 - 12*****Prerequisite: ELA Achievement 3 -5; and C or higher in Bio Hon and/or Chem Hon; or B or higher in Chem***

Although the content for this course is consistent with the Marine Science course, students will explore these concepts in greater depth and at a faster rate to accommodate the honors level course work. Areas of study will include the scientific method, the use of laboratory equipment, properties of water, ocean currents, waves, the geography of the ocean, ocean habitats, marine and shore- based flora and fauna, and on the anatomy and physiology of marine organisms. This course will include simulations and dissections to help reinforce the topics that are taught. This course is recommended for students interested in expanding their knowledge of marine environments. A lab donation will be requested to help finance laboratory activities.

**Chemistry 1****2003340****Grades 10 - 12*****Prerequisite: ELA Achievement 3-5, Algebra I, and C or higher in Biology***

This course appeals to the college-bound non-science major, and to those students interested in technical training. Chemistry covers classification and structure of matter, atomic theory, periodic table, bonding, chemical formulas, chemical reactions and balanced equations, behavior of gases, physical changes, acids, bases and salts, and energy associated with physical and chemical changes. A lab donation will be requested to help finance laboratory activities.

**Chemistry 1 Honors****2003350****Grades 10 – 12*****Prerequisite: ELA Achievement Level 4 – 5, B or higher in Algebra I Hon, B or higher in Bio Hon (or A in BIO)***

This advanced level course is designed to cover the theme that properties of matter are a consequence of its structure. Some of the specific topics covered are scientific methods, density, chemical and physical changes, formulas, molecular relationships, electron arrangements, periodic table, chemical bonding, ionic compounds, stoichiometry, oxidation/reduction, organic and nuclear chemistry. Good laboratory skills are essential. This course is strongly recommended for all students planning to receive a college degree or enter a scientific field. A lab donation will be requested to help finance laboratory activities.

**Physics 1****2003380****Grades 11 - 12*****Prerequisite: ELA Achievement 3-5, C or higher in Algebra 2 Hon, B or Higher in Alg 2, C or higher in Chemistry***

This course is designed for university bound students and is especially appropriate for students whose career may be in medicine, engineering, architecture, physical therapy, or other sciences. The course emphasizes Newtonian Mechanics, fluid mechanics and thermal physics, electricity and magnetism, waves and optics, and atomic and nuclear physics. Laboratory activities are thorough and require considerable data processing and understanding of the concepts. This is a math-intensive course. A lab donation will be requested to help finance laboratory activities.

**Physics 1 Honors****2003390****Grades 11 - 12*****Prerequisite: ELA Achievement 4-5, C or higher in Algebra 2 Hon, B or Higher in Alg 2, C or higher in Chemistry Honors***

This course is designed for university bound students and is especially appropriate for students whose career may be in medicine, engineering, architecture, physical therapy, or other sciences. The course emphasizes Newtonian Mechanics, fluid mechanics and thermal physics, electricity and magnetism, waves and optics, and atomic and nuclear physics. Laboratory activities are thorough and require considerable data processing and understanding of the concepts. This is a math-intensive course. A lab donation will be requested to help finance laboratory activities.

**AP Physics****2003421****Grades 11 - 12*****Prerequisite: ELA Achievement 3-5 and B or higher in Algebra 2 Hon***

AP Physics I is an algebra-based, introductory college- level course that explores topics such as linear and two- dimensional kinematics, dynamics, momentum, energy, conservation, basic electrostatics and simple DC circuits, basic wave theory including a study of sound. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills.

**Anatomy and Physiology Honors****2000360****Grades 11 - 12*****Prerequisite: ELA Achievement level 3 – 5, C or higher in Bio Hon, A in Bio***

The purpose of this course is to provide an in-depth study of the human body. Attention will be paid to anatomical terminology, anatomical structure, function of body systems, and the processes of disease. The class is designed to meet the needs of students entering any branch of the medical profession. Laboratory experiences and dissections are included.



**AP Biology****2000340****Grades 11 - 12*****Prerequisite: ELA Achievement 3 -5, B or higher in Geometry Hon, B or higher in Chem Hon***

The AP Biology course is equivalent to a two-semester college introductory biology course. AP Biology includes an in-depth investigation into the chemical basis of life including cellular processes, free energy, metabolism, genetics, evolution, immune response, and ecology. The AP Biology course is designed to enable you to develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. The AP Biology course is designed as an inquiry-based course in which students are expected to take authority over their own learning while the teacher acts as a guide along the path to understanding. This is a rigorous course, extensive laboratory and mathematical work, in addition to out-of-class reading, is required. This course also includes a summer assignment. A lab donation will be requested to help finance laboratory activities.

**AP Environmental Science****2001380****Grades 11 - 12*****Prerequisite: ELA Achievement 3 -5, B or higher in Geometry Hon, B or higher in Chem Hon***

This course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. A lab donation will be requested to help finance laboratory activities.

**AP Chemistry****2003370****Grades 11 - 12*****Prerequisite: Prerequisite: ELA Achievement 3 -5, B or higher in Geometry Hon, B or higher in Chemistry Hon***

The AP Chemistry course is designed to be the equivalent of two semesters of a general chemistry course taken during the first year of college, covering topics of: measurement, atomic theory, atomic structure, stoichiometry, chemical reactions, thermochemistry, electronic structure, periodicity, states of matter and intermolecular forces, solutions, kinetics, equilibrium, acids and bases, thermodynamics, redox and electrochemistry, nuclear chemistry and organic chemistry. This course is structured around the Six Big Ideas articulated in the AP Chemistry curriculum framework provided by the College Board. A special emphasis will be placed on the seven science practices, which capture important aspects of the work that scientists engage in, with learning objectives that combine content with inquiry and reasoning skills. A lab donation will be requested to help finance laboratory activities. Students should have been successful in Chemistry 1 Honors and Algebra 2 before enrolling in this course.

## Social Studies

**World History****2109310****Grade 9**

This course will study the following topics: Geo-historic development in time-space, comparative views of history, the origin and development of contrasting civilizations, an analysis of cultural universals, the role of religion in historical change, the varieties of contrasting political theories and philosophies, the role of science and technology as a social catalyst, nationalism as a cohesive force in history, the diversity of economic thought and practices in the world, an analysis of the influence of the major figures and events, interpretations concerning the historical development of our present world order.

**World History Honors****2109320****Grade 9 - 10*****Prerequisite: ELA Achievement 3 - 5***

In addition to the content in World History, this Honors course provides opportunities for students to follow advanced pathways in the curriculum. Significant projects include but are not limited to: analyzing artifacts and evaluating their impact, role-playing a significant person from the past, and creating a presentation for a mock Summit.

**AP Human Geography****2103400****Grade 9*****Prerequisite: College Prep Academy Students only***

The purpose of the AP Human Geography course is to develop an understanding of patterns and processes that have shaped human understanding, use, and alterations of our Earth. The course is to be focused on various units of study; i.e. culture, language, religion, politics, agriculture, etc. The goals of the course are to develop the understanding of factual knowledge and the analytical skills necessary to express that understanding through writing.

**Personal Finance and Money Management****2102371****Grade 10**

Students will explore how personal financial decisions are made, understand how wages and salaries are earned, including the types of taxes owed, and evaluate various post-secondary paths and career options. Students will develop personal or family budgets and explore how to purchase goods and services by weighing the costs and benefits of those goods and services. Practices in analyzing how interest can be earned by saving now, which allows for the purchase of more goods and services later and understanding how to compare various savings accounts and services offered through financial institutions will be demonstrated. Students will study the advantages and disadvantages of credit accounts that allow for the borrowing of money to purchase goods and services while paying for them in the future, usually with interest, and short- and long-term loans. Students will develop and understanding of planning for their financial future through investment accounts and retirement planning. **\*\*\*Course will be paired with Economics with Financial Literacy**

**Personal Finance and Money Management Honors****2102373****Grade 10*****Prerequisite: ELA Achievement 3 - 5***

Students will explore how personal financial decisions are made, understand how wages and salaries are earned, including the types of taxes owed, and evaluate various post-secondary paths and career options. Students will develop personal or family budgets and explore how to purchase goods and services by weighing the costs and benefits of those goods and services. Practices in analyzing how interest can be earned by saving now, which allows for the purchase of more goods and services later and understanding how to compare various savings accounts and services offered through financial institutions will be demonstrated. Students will study the advantages and disadvantages of credit accounts that allow for the borrowing of money to purchase goods and services while paying for them in the future, usually with interest, and short- and long-term loans. Students will develop and understanding of planning for their financial future through investment accounts and retirement planning. **\*\*\*Course will be paired with Economics with Financial Literacy Honors**

**Economics with Financial Literacy****2102335****Grade 10 or 12**

The primary content emphasis for this course pertains to the study of the concepts and processes of the national and international economic systems. Content includes, but is not limited to, 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.

**Economics with Financial Literacy Honors****2102335****Grade 10 or 12*****Prerequisite: ELA Achievement 3 - 5***

The primary content emphasis for this course pertains to the study of the concepts and processes of the national and international economic systems. Content includes, but is not limited to, 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.

**AP World History: Modern****2109420****Grade 10*****Prerequisite: ELA Achievement 3 – 5 and 3.0+ GPA***

The purpose of the AP World History course is to develop an understanding of how human interactions have impacted global history. This understanding is advanced through factual knowledge and analytical skills. The course will focus on world events from 1200 CE to the present. The goals of the course are to develop understanding through interpretation of historical evidence, periodization, change and continuity, and an ability to express understanding through writing.

**United States History****2100310****Grade 11**

United States History allows students to examine U. S. History from Reconstruction to the 21st century. Students will analyze the historical development of the United States and prepare to be active citizens in a democratic nation and their role in a global community. Students will gain an understanding of how geography impacted political and economic development, the ideals of democracy and freedom, how internal and external conflicts led to opportunities, and the uniqueness of Florida's diverse history.

**AP United States History****2100330****Grade 11*****Prerequisite: ELA Achievement 3 – 5 and 3.0+ GPA***

This course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with documents and key issues in American history. Students will learn to assess historical materials and weigh the evidence presented in any historical era. In addition, students will be expected to learn to formulate generalizations, conclusions, predict probable effects, formulate hypotheses, and be responsible for extensive thinking and writing. At the end of this course, students will take the AP US History exam from College Board as well as the US History End of Course Exam from the state of Florida.

**DE American History I and American History II****AMH 2010/AMH 2020****Grade 11*****Prerequisite: Must satisfy all current Dual Enrollment admission requirements including test scores and GPA by the posted deadline.***

This is a rigorous dual enrollment course, and the student may receive credit from both Manatee High School and the University of South Florida. AMH2020 covers the European discoveries of the Western Hemisphere to the end of Reconstruction. Emphasis is on historical study to determine social, economic and political issues through Reconstruction. AMH2020 covers the end of the Reconstruction to the present with emphasis on historical study to determine the social, economic, and political problems of the 20th and 21st centuries. Students will take the US History EOC from the State of Florida at the end of semester two.

**United States Government****2106310****Grade 12**

This course will study the following topics: Analysis of the documents which shape our political traditions; comparison of the three branches of government at the local, state and national levels; understanding of the evolving role of political parties and interest groups in determining government policy; the evolution and interpretation of the rights and responsibilities of citizens in a democratic state; the importance of civic participation in the democratic political process; discussion of Florida politics, government, structure and constitution. \*\*\* ***Course will be paired with Economics class of 2026 only***

**American Political System: Process and Powers Honors****2106420****Grade 12*****Prerequisite: ELA Achievement 3 – 5 and 3.0+ GPA (Paired with AP Govt)***

In this course, students will learn about the political system in America and the dynamics of political issues. Students will examine their own political beliefs and practice decision-making skills.

**AP United States Government****2106420****Grade 12*****Prerequisite: ELA Achievement 3 – 5 and 3.0+ GPA (Paired with American Political System)***

This course helps students gain knowledge and decision-making tools necessary to understand how society organizes its limited resources to satisfy its wants. Students will understand choices they must make as producers, consumers, investors, and taxpayers. Content includes economic reasoning, productive resources, scarcity-based choices, opportunity costs, interdependence, contemporary and historical economic issues, the role of money, the actions of the market along with government and financial institutions. to run the whole year.

**The American Economic Experience Honors****2102390****Grade 12*****Prerequisite: ELA Achievement 3 – 5 and 3.0+ GPA (Paired with AP Macro)***

The purpose of this course is to enable students to understand concepts and processes of economics in preparation for the Advanced Placement Macroeconomics exam, and to facilitate decision-making skills necessary to be informed economic citizens.

**AP Macroeconomics****2102370****Grade 12*****Prerequisite: ELA Achievement 3 – 5 and 3.0+ GPA (Paired with American Economic Experience)***

In this course, students will analyze how our economy works. Specific content to be covered will be gross domestic product, level of employment, supply and demand, inflation and deflation, regulatory and monetary policies plus international economics to give students an overview of the economy as a whole.

**AP European History****2109380****Grades 11 - 12****Prerequisite: ELA Achievement 3 – 5 and 3.0+ GPA**

The purpose of the AP European History course is to introduce students to the cultural, economic, political, and social developments that played a fundamental role in shaping the world. The course will focus on European History from 1450 to the present. The goals of the course are to develop an understanding of the themes of modern European History, an ability to analyze historical evidence and historical interpretation, and an ability to express understanding through writing. Does not meet the requirements for World and/or US History.

**Law Studies / Court Procedures****2106350/2106390****Grade 10 - 12**

Students develop their ability to function effectively in society by understanding the judicial systems of the United States and the state of Florida. Students will learn to understand the trial system by performing a mock trial.

**Psychology 1 / Psychology 2****2107300/2107310****Grade 10 - 12**

This class is an introductory course in psychology that gives the student a better understanding and appreciation of human behavior. In Psychology I, students explore major theories and orientations of psychology, psychological methodology, memory and cognition, human growth and development, and personality. Additional topics include abnormal behavior, psychological therapies, stress and coping strategies and mental health. In Psychology II, students will cover the topics of psychobiology, sensation and perception, motivation and emotion, consciousness and learning. This course also explores intelligence and creativity, social psychology, and sociocultural influences.

**AP Psychology****2107350****Grade 11 - 12****Prerequisite: ELA Achievement 3 – 5 and 3.0+ GPA**

This course introduces the student to the systematic and scientific study of the mental processes of human beings and other animals. Students will be exposed to the psychological facts, principles, and phenomena associated with each of the major sub-fields within psychology. They will also learn about the methods psychologists use in their science and practice.

## Advanced Placement Capstone Diploma

**AP Capstone Seminar****1700500****Grades 10 – 12****Prerequisite: Level 3 or above on AP Human Geography**

AP Seminar is a year-long course that has students investigate real-world issues from multiple perspectives. Students learn to synthesize information from different sources, develop their own lines of reasoning in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team.

**AP Capstone Research****1700510****Grades 11 - 12****Prerequisite: Successful completion of AP Seminar**

While working with their teacher, students will explore an academic topic, problem, or issue that interests them and design, plan, and conduct a year-long research-based investigation to address it. The course culminates in an academic paper of 4,000- 5,000 words and a presentation, with an oral defense; during which the students will answer 3-4 questions from a panel of evaluators.

## Career and Technology

### Business

**Digital Information Technology****8207310****Grades 9 - 12**

This course is designed to introduce information technology concepts and careers as well as the impact information technology has on the world, people, and industry, and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; and emerging technologies and webpage design.

**Digital Design 1****8209510****Grades 10 - 12*****Prerequisite: Digital Information Technology***

This course is designed to develop basic entry-level skills required for careers in the digital publishing industry. The content includes computer skills; digital publishing concepts and operations; layout, design, and measurement activities; decision-making activities; and digital imaging. Students will create aided designs using graphic applications such as Photoshop, Illustrator, Painter, Fireworks and Flash. Digital imaging techniques such as scanning, digital photography and Internet image capture will be incorporated. Also included will be a basic introduction to digital publishing, animation, Web design, desktop publishing, and presentation.

**Digital Design 2****8209520****Grades 10 - 12*****Prerequisite: Digital Design 1 and teacher approval***

This course continues the development of basic entry-level skills required for careers in the digital publishing industry. The content includes computer skills; digital publishing operations; layout, design, and measurement activities; decision-making activities; and digital imaging. Principles of design and applied and fine arts are emphasized. Another important aspect of this course is school and community service projects. Students will assist in the design and creation of posters, logos, signs, brochures, web graphics and any other graphic art forms necessary. This gives the student an opportunity to work in a real-world environment. To be eligible for the Bright Futures Gold Seal Scholarship the student must take Digital Design I & Digital Design II and Computing for College and Careers.

**Digital Design 3/4****8209530****Grades 11 - 12*****Prerequisite: Digital Design 2 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.

**Accounting Application I****8203310****Grade 10 - 12**

Accounting is the planning, recording, analyzing, and interpreting of financial information – it is the unique language of business. In this class, students will learn the accounting cycle, concepts, and principles of double- entry accounting, prepare financial statements and record business expenses, assets, liabilities, and owner's equity. Sole proprietorships and corporations are covered, as well as service and merchandising business.

**Accounting Applications II****8203320****Grades 11 - 12*****Prerequisite: Completion of the full year of Accounting I with a C or higher and Teacher Recommendation***

This course reviews and further expands the accounting procedures learned in Accounting I. A continuation of partnerships and a foundation in corporate management are covered. This course is geared to the serious accounting student who is motivated and can work independently.

**AP Computer Science Principles****0200335****Grades 11 – 12*****Prerequisite: See Honors/AP eligibility requirements chart located before course descriptions.***

The AP Computer Science course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design. These techniques represent proven approaches for developing solutions that can scale small, simple problems to large complex problems.

**AP Computer Science A****0200320****Grades 12*****Prerequisite: See Honors/AP eligibility requirements chart located before course descriptions.***

AP Computer Science A introduces students to computer science through object-oriented programming and design using Java programming. You'll learn how to use Java to build games or creatively address real-world issues. Through hands-on experiences in analyzing, writing, and testing code, you'll learn how to transform an idea into a functioning program. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems.

## **Diversified Career Technology Applications**

**8303010**

**Grade 12**

***Prerequisite: Diversified Career Technology Principles and acceptance into the OJT program.***

This course is designed to enable each student to apply environmental, health, and safety skills; professional, legal, and ethical responsibilities; financial management skills; leadership skills; social, legal, and economic aspects of employment; international economic principles; components of a business plan; decision-making skills to life and career goals; technical skills; and the functions of management. Industry certification testing will be available for students.

## **Diversified Career Technology (On the Job Training)**

**8300410**

**Grades 11-12**

***Prerequisite: Application and acceptance into the OJT PROGRAM. See page 35 for the application QR code.***

The purpose of this course is to provide the on-the-job training component when the cooperative method of instruction is appropriate. Whenever the cooperative method is offered, the following is required for each student: a training agreement; a training plan signed by the student, teacher and employer, including instructional objectives; a list of on-the-job and in-school learning experiences; a workstation which reflects equipment, skills and tasks which are relevant to the occupation which the student has chosen as a career goal; and a site supervisor with a working knowledge of the selected occupation. The student must be compensated for work performed. Students must also be enrolled in either Diversified Career Technology Principles or Diversified Career Technology Applications course.

# **Culinary**

## **Culinary Arts I**

**8800510**

**Grade 9**

Students will explore career opportunities and job seeking skills in the food service industry. They will learn and apply basic skills, sanitation, and safety procedures. The understanding of basic food science and nutrition will be demonstrated. They will learn quality foodservice practices in terms of management, standards, regulations, and law. They will identify and explain commercial tools and equipment.

## **Culinary Arts II**

**8800520**

**Grade 10**

***Prerequisite: Successful completion of Culinary Arts I and Teacher Approval***

Students will apply skills, quality food practices, policies, and procedures to demonstrate productivity in the food service industry. They will practice safety and sanitation consistent with state guidelines. They will calculate food costs, use recipes, prepare, and serve nutritious foods for Cane's Café. They will learn and apply advanced principles of food science.

## **Culinary Arts III**

**8800530**

**Grade 11**

***Prerequisite: Successful completion of Culinary Arts II and Teacher Approval***

Students will participate in advanced food preparation, and fundraising. They will develop professional associations in the industry, participate in community service, and obtain the ServeSafe food handler certification. Entrepreneurship, sales, and marketing techniques will be utilized. Emphasis will be on food presentation, display techniques, and industry trends. Additional focus will be applied on management techniques of food production and service for Cane's Café.

## **Culinary Arts IV**

**8800540**

**Grade 12**

***Prerequisite: Successful completion of Culinary Arts III and Teacher Approval***

In this course, students will prepare various meals and food products including those for individuals with various nutritional needs and/or dietary restrictions. The relationship between nutrition and wellness will be examined. Cost control techniques and profitability will be covered as well as analysis of food establishment menus. Students will also demonstrate basic financial literacy skills.



## Engineering

### Applied Engineering 1

8404110

Grades 9 - 10

The purpose of this program is to provide students with a foundation of knowledge and technically oriented experiences in the study of the applications of engineering and its effect upon our lives and the choosing of an occupation. The content and activities will also include the study of entrepreneurship, safety, and leadership skills. This program focuses on transferable skills and stresses understanding and demonstration of the technological tools, machines, instruments, materials, processes and systems in business and industry.

### Applied Engineering 2

8401120

Grade 10 - 11

**Prerequisite:** *Engineering Tech 1 and teacher approval*

This program provides students with an intermediate understanding of the knowledge, human relations, and technological skills found today in technical professions. The content may include, but not be limited to the following: demonstrate the understanding of; technical knowledge and skills in designing, engineering, and analysis of constructed works; creating, expressing and interpreting information and ideas, functions of a design team; use of energy and power, communication, manufacturing, and transportation technologies; and properly identify, organize, plan, and allocate resources.

### Applied Engineering 3

8401130

Grade 11 - 12

**Prerequisite:** *Engineering Tech 2 and teacher approval*

This program provides students with an advanced understanding of the knowledge, human relations, and technological skills found today in technical professions. The content may include, but not be limited to the following: characteristics scope, effects, role of society, influence, and core concepts of technology; attributes of and abilities to apply design, engineering design; the use, maintenance, and impact of products and systems; energy and power; understanding of communication and information, manufacturing, and construction technologies; safe and appropriate use of tools and machines in engineering; teamwork; career opportunities; and identifying, organizing, and allocating resources.

### Foundations of Robotics

9410110

Grade 12

**Prerequisite:** *Engineering Tech 3 and teacher approval*

The purpose of this program is to provide students with a foundation of knowledge and technically oriented experiences in the study of the principles and applications of robotics engineering and its effect upon our lives and the choosing of an occupation. The content and activities will also include the study of entrepreneurship, safety, and leadership skills. This program focuses on transferable skills and stresses understanding and demonstration of the science and mathematics knowledge, technological tools, machines, instruments, materials, processes, and systems related to robotics.

## Manufacturing

### Advanced Manufacturing I

9200210

Grades 9 - 11

This is the first in a sequence of courses that provides technical knowledge and skills needed to prepare for further education and careers in the manufacturing career cluster. This program offers a broad foundation of knowledge and skills to prepare students for employment in Advanced Manufacturing and Production positions. Students will also earn the RCEF Industry Certification as part of this course.

### Advanced Manufacturing II

9200220

Grades 10-12

**Prerequisite:** *Advanced Manufacturing Tech 1 AND earned the RCEF Industry Certification*

This is the second in a sequence of courses that provides technical knowledge and skills needed to prepare for further education and careers in the manufacturing career cluster. This program offers a broad foundation of knowledge and skills to prepare students for employment in Advanced Manufacturing and Production positions. Students will begin the process of earning the Manufacturing Skill Standards Council (MSSC) Certified Production Technician (CPT) industry certification.

**Advanced Manufacturing III****9200230****Grades 11 - 12*****Prerequisite - Adv Manuf Tech 1, 2 AND passed the MSSC-CPT Safety Exam & Quality Practices and Measurements Exam***

This is the third in a sequence of courses that provides technical knowledge and skills needed to prepare for further education and careers in the manufacturing career cluster. This program offers a broad foundation of knowledge and skills to prepare students for employment in Advanced Manufacturing and Production positions. Students will continue the process of earning the Manufacturing Skill Standards Council (MSSC) Certified Production Technician (CPT) industry certification.

**Advanced Manufacturing IV****9200240****Grade 12*****Prerequisite - Adv Manuf Tech 1, 2, 3 AND passed the MSSC-CPT Safety Exam, Quality Practices and Measurements Exam, and Manufacturing Process & Production***

This is the final course that provides technical knowledge and skills needed to prepare for further education and careers in the manufacturing career cluster. This program offers a broad foundation of knowledge and skills to prepare students for employment in Advanced Manufacturing and Production positions. Students will continue the process of earning the Manufacturing Skill Standards Council (MSSC) Certified Production Technician (CPT) industry certification.

## Medical Academy

**Medical Skills Services****8500320****Grade 9**

Medical skills and services provide an engaging introduction to healthcare professions, foundational skills and essential knowledge for students interested in medical careers. This course emphasizes hands-on learning including basic vital signs and measurements, patient communication techniques, a comprehensive overview of healthcare systems and payers. Students will explore career pathways in health science while building skills in teamwork, professionalism, and ethical decision making. Students will complete a quarter long career explorations project as well as an introduction to Anatomy and Physiology, Medical Terminology, First Aide, and CPR. Designed for ninth-grade students, this course serves as a gateway to advanced medical programs within the Manatee Medical Academy.

**First Aid/Care and Prevention (Priority for Medical Academy)****0800320/1502490****Grades 9 - 10**

The purpose of this course is to introduce the field of Athletic Training including Injury Assessment, Treatment and Rehabilitation. Students will learn about the care, prevention, management, treatment, and rehabilitation of athletic injuries. Instruction will include basic anatomy, physiology, and kinesiology as they relate to preventing and treating athletic injuries. Students will be expected to demonstrate appropriate taping, wrapping, and bracing techniques for athletic injuries. This course is paired with the American Red Cross class Responding to Emergencies/First Aid and Safety.

**Health Science Foundations Honors****8417110****Grades 11 - 12*****Prerequisite: Anatomy & Physiology Honors***

This course is designed to provide the student with an in-depth knowledge of the health care system and associated occupations. Emphasis is placed on communication and interpersonal skills, use of technology, ethics and the development of critical thinking and problem-solving skills. Students will have experiential learning opportunities with health care professionals.

**Allied Health Assisting****8417131****Grades 11 - 12*****Prerequisite: Health Science Foundations***

This program provides an opportunity for students to gain experience and firsthand knowledge in the health care field they have chosen to enter after completing high school. Students will have opportunities to spend time with Health Care Professionals. (CMAA, PCT, CCMA, CEHRS, CPT, AND CET Certifications)

**Emergency Medical Responder****841710****Grade 12*****Prerequisite: Health Science Foundations***

The purpose of this course is to prepare individuals to provide initial care to sick or injured persons. The emergency medical responder is the first to arrive at the scene of an injury but does not have the primary responsibility for treating and transporting the injured person(s). Students will be eligible to volunteer with Manatee County Emergency Medical Services. (EMR Certification)

**Exercise Science Honors****8417000****Grade 12*****Prerequisite: Health Science Foundations***

The purpose of this senior-level course is to prepare students for the wellness and fitness marketplace and its various components such as instructing or coaching groups of individuals in exercise activities and the fundamentals of an individual's health and wellness. Content includes fitness training principles, human anatomy and systems, biomechanics, exercise psychology, and concepts related to health, nutrition and fitness. This course prepares students for employment as certified personal trainers or fitness trainers. (ACSM Personal Trainer Certification)

**EKG Aide****8417161****Grade 12*****Prerequisite: Health Science Foundations***

This course prepares students to be employed as Electrocardiograph aides. Content includes, but is not limited to, a foundation in the cardiovascular system, safety measures for the individual, co-workers, and patients as well as training in the appropriate theories and instruments used by an Electrocardiograph Aides. (EKG Technician Certification)

## TV Production

**TV Production Tech 1****8201510****Grades 9 - 11**

Students will be introduced to the field of video production and no prior video experience is required.

This curriculum is designed to train students for a career in, or entry into a collegiate program involving the television and film production industries. Film, Video, and Multimedia terminology, technique, and theory will be discussed. State-of-the-art, video equipment is used by the students in this class. Students will learn to operate professional video cameras and field equipment for productions outside of the classroom, and professional studio cameras, audio equipment, special effect generators, and character generators for use in the fully outfitted studio. With parental permission, equipment may be checked out and used for on-location shoots. Students learn post-production skills on cutting edge non-linear editing equipment and finalize their projects to build a portfolio. With the skills learned students will have the opportunity to become Adobe Premiere Pro Certified.

**TV Production Tech 2****8201510****Grades 9 - 11*****Prerequisite: TV Production Tech 1 and teacher approval required.***

Students continue to build a foundation of knowledge and skills through hands-on experience operating professional television production equipment in the field and studio as described in Television Production 1. New learning opportunities include the ability to specialize in any of several dozen areas of interest with regards to preproduction, production, and post-production. They will function as media producers by creating original productions developed and marketed toward target audiences. With the skills learned students will have the opportunity to become Adobe Premiere Pro Certified & After Effects Certified.

**TV Production Tech 3****8201530****Grades 11 - 12*****Prerequisite: TV Production Tech 2 and teacher approval required.***

This course builds upon knowledge and skills from Television Production 1 and 2. Students will demonstrate mastery of media production knowledge and skills. They will create original productions, assemble a professional digital portfolio, and investigate the dynamic media production industry and identify opportunities for real-world experiences (e.g., internships, job shadowing). Students will research postsecondary opportunities and formulate strategies for both college and career success. With the skills learned students will have the opportunity to become Adobe Premiere Pro Certified & After Effects Certified.

**TV Production Tech 4****8201540****Grade 12*****Prerequisite: TV Production Tech 3 and teacher approval required.***

This course uses all knowledge and skills from Television Production 1, 2 & 3. Projects may be produced for competitions, clients and community partners. Students also are given the opportunity to produce independent projects, such as original short films or documentaries. These projects teach students the media production business while helping them to build professional portfolios that will set them apart from their peers. This advantage leads to awards, internships, scholarships, and successful higher education and career paths. With the skills learned students will have the opportunity to become Adobe Premiere Pro Certified & After Effects Certified.

# Visual and Performing Arts

## Band

<b>Band I</b>	<b>1302300</b>	<b>Grade 9</b>
Fundamental concepts of large ensemble performance; characteristic tone, dynamics, phrasing, knowledge of notes and rhythms are taught in the class. Membership is open to any 9th grade student with prior band experience and individual class placement is commensurate with ability. Limited extra rehearsals will be required.		
<b>Band II</b>	<b>1302310</b>	<b>Grade 10</b>
This is a band class whose function is to teach extended fundamental concepts of large ensemble performance: characteristic tone, dynamics, phrasing, knowledge of notes and rhythms, musical terms, construction, and performance. Membership is open to any 10th grade student with prior band experience, and individual class placement is commensurate with ability. Limited extra rehearsals will be required.		
<b>Band III</b>	<b>1302320</b>	<b>Grade 11</b>
This is a band class whose function is to provide students with instruction in the development of musicianship and technical skills through the study of varied band literature. Membership is open to any 11th grade student with prior band experience and individual class placement is commensurate with ability. Limited extra rehearsals will be required.		
<b>Band IV</b>	<b>1302330</b>	<b>Grade 12</b>
<b><i>Prerequisite: Digital Design 2 and teacher approval</i></b> 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.		
<b>Jazz Ensemble I</b>	<b>1302500</b>	<b>Grade 9</b>
<b><i>Prerequisite: Director Recommendation</i></b> This is a jazz band class of standard instrumentation whose function is to teach introductory styles and idiomatic performance techniques; characteristic tone; jazz rhythms; articulations and ensemble performance techniques. Membership is open to 9th grade band students with director recommendation. Limited extra rehearsals and performances are required. <i>This course must be taken in conjunction with Band I.</i>		
<b>Jazz Ensemble II</b>	<b>1302510</b>	<b>Grade 10</b>
<b><i>Prerequisite: Director Recommendation</i></b> This is a jazz band class of standard instrumentation whose function is to teach an extended understanding of styles and idiomatic performance techniques, characteristic tone, jazz rhythms, articulations and ensemble performance technique. Membership is open to 10th grade band students with director recommendation. Limited extra rehearsals and performances are required. <i>This course must be taken in conjunction with Band II.</i>		
<b>Jazz Ensemble III</b>	<b>1202520</b>	<b>Grade 12</b>
<b><i>Prerequisite: Director Recommendation</i></b> This is a jazz band class of standard instrumentation whose function is to develop the ability to apply the knowledge of styles and techniques of contemporary jazz literature. Membership is open to 11th grade band students with director recommendation. Limited extra rehearsals and performances are required. <i>This course must be taken in conjunction with Band III.</i>		
<b>Jazz Ensemble IV</b>	<b>1202530</b>	<b>Grade 12</b>
<b><i>Prerequisite: Director Recommendation</i></b> This is a jazz band class of standard instrumentation whose function is to develop independence in knowledge of styles and performance techniques of contemporary jazz band literature. Membership is open to 12th grade band students with director recommendation. Limited extra rehearsals and performances are required. <i>This course must be taken in conjunction with Band IV.</i>		

## Music Techniques

1305500

Grade 12

Students in this entry-level class focus on the development of musical and technical skills on a specific instrument or voice through etudes, scales, and selected music literature. Through problem-solving, critical thinking, and reflection, students develop the physical and cognitive skills to be more disciplined performers. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

## Music Ensemble

1305400

Grades 9 - 12

Students with little or no experience in a vocal or instrumental ensemble develop basic musicianship and ensemble performance skills through the study of basic, high-quality music in diverse styles. Student musicians focus on building foundational music techniques, music literacy, listening skills, and aesthetic awareness. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

## Vocal

### Chorus I

1303300

Grade 9

This year-long, entry-level class, 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 culminating in periodic public performances. Limited extra rehearsals and performances are required. *Under the direction of Mr. Jomisko, students will be assigned to a chorus of their ability level.*

### Chorus II-IV

1303310-30

Grades 10 - 12

Designed for students in a choral performing group, these courses promote the enjoyment and appreciation of music through performance of high-quality choral music. Rehearsals focus on the development of critical listening/aural skills; foundational instrumental technique and skills, music literacy, and ensemble skills; and aesthetic musical awareness culminating in periodic public performances. Limited extra rehearsals and performances are required. *Under the direction of Mr. Jomisko, students will be assigned to a chorus of their ability level.*

### Vocal Ensemble I-IV (Women's Ensemble)

1303440-70

Grades 9 - 12

***Prerequisite: Students must audition and be placed in this group by Mr. Jomisko***

This course will provide students with the opportunity for basic refinement of performance in vocal ensemble settings through the study of appropriate vocal literature. Performance techniques, music knowledge, critical analysis, and aesthetic response are emphasized. Limited extra rehearsals and performances are required.

*Students must audition and be placed in this group by Mr. Jomisko.*

### Vocal Techniques I – IV (Chamber Singers)

1303400-30

Grade 9 - 12

***Prerequisite: Students must audition and be placed in this group by Mr. Jomisko***

The purpose of this course is to enable students to develop basic performance skills in a solo or small ensemble setting using varied high school literature. Emphasis will be placed on healthy and expressive singing, performance techniques, music knowledge, and development of critical analysis and aesthetic response to music. Limited extra rehearsals and performances are required.

## Orchestra

### Instrumental Techniques I

1302420

Grades 9 - 12

This course is designed for students with no experience on string instruments. Intended outcomes include proper position, tone, dynamics, and note/rhythm reading. Limited after school events and one fee are required. Essential Elements Book 1 and instrument will be provided. A fine arts credit is earned.

## **Instrumental Techniques II**

**1302430**

**Grades 9 - 12**

### ***Prerequisite: Instrumental Techniques 1***

This course is designed for students with minimal performing experience on string instruments or students who want to learn a second new instrument. Intended outcomes include proper set-up and playing position, characteristic tone production, phrasing, dynamics, note reading in selected keys, and knowledge of basic rhythms and meters. Daily at home practice is required for all students. Limited after school rehearsals and performances are required. *A class fee is required for materials and instrument use.*

## **Orchestra I (9<sup>th</sup> grade only, Prerequisite Middle School Experience)**

**1302360**

**Grade 9**

This course will provide students with the opportunity to continue (from 8<sup>th</sup> grade) the refinement of performance in ensemble through the study of **Level 2/3** orchestra literature. Performance techniques, music knowledge, critical analysis, and aesthetic response are emphasized. Limited after school events and one fee are required. Essential elements Book **2/3** and instrument will be provided. One fine arts credit is earned.

## **Orchestra II**

**1302370**

**Grade 10**

### ***Prerequisite: Orchestra I***

This is an orchestra class designed to extend musicianship and ensemble experience on orchestral instruments. Intended outcomes include emphasis on orchestra performance technique, musical literacy, and music appreciation. Membership is open to any student who completed Orchestra I at the high school level; class placement is commensurate with ability. Daily at home practice is required for all students. Limited after school rehearsals and performances are required. *A class fee is required for materials and instrument use.*

## **Orchestra III**

**1302380**

**Grade 11**

### ***Prerequisite: Orchestra II***

This is an orchestra class designed to develop technical skills on a string instrument through the study of varied orchestral literature. Intended outcomes include interpretation of medium level music including appropriate tone production and performance technique. Membership is open to any student who completed Orchestra II; class placement is commensurate with ability. Daily at home practice is required for all students. Limited after school rehearsals and performances are required. *A class fee is required for materials and instrument use.*

## **Orchestra IV**

**1302390**

**Grade 12**

This course is designed for students with minimal to no performing experience on string instruments. Intended outcomes include proper set-up and playing position, characteristic tone production, phrasing, dynamics, note reading in selected keys, and knowledge of basic rhythms and meters. Membership is open to any 9<sup>th</sup> grader with less than two (2) full years orchestral experience. Daily at home practice is required for all students. Limited after school rehearsals and performances are required. *A class fee is required for materials and instrument use.*

## **Instrumental Ensemble I (FIDDLERS)**

**1302460**

**Grade 9**

### ***Prerequisite: Director Recommendation (You must be enrolled in Orchestra 1 to add this secondary class.)***

This class is designed to develop introductory alternative string styles including pop, jazz, and fiddle tunes. Bring your banjo, mandolin, and guitar! In addition, you will create and then rehearse with a small string ensemble, choosing repertoire from the state music list that fit your ensemble's creative vision. Membership is open to 9<sup>th</sup> graders. Representing MHS at gigs in the school/community and Solo & Ensemble Festival is required. One fine arts credit is earned.

## **Instrumental Ensemble II (FIDDLERS)**

**1302470**

**Grade 10**

### ***Prerequisite: Teacher Approval***

This course will provide students with the opportunity for basic refinement of performance in vocal ensemble settings through the study of appropriate vocal literature. Performance techniques, music knowledge, critical analysis, and aesthetic response are emphasized. Limited extra rehearsals and performances are required.

*Students must audition and be placed in this group by Mr. Jomisko.*



**Instrumental Ensemble III (FIDDLERS)****1302480****Grade 11*****Prerequisite: Director Recommendation and Instrumental Ensemble II***

This class is designed to apply contemporary techniques and styles to popular tunes, classical chamber music, fiddle tunes, jazz and small ensembles. Membership is open to 11th graders by director recommendation. Daily at home practice is required for all students. Limited extra rehearsals and performances are required. Membership is open to any student who completed Instrumental Ensemble II, and this course must be taken in conjunction with an orchestra course. Limited after school rehearsals and performances are required.

**Instrumental Ensemble IV (FIDDLERS)****1302490****Grade 12*****Prerequisite: Director Recommendation and Instrumental Ensemble III***

This class is designed to develop musicianship and improvisation skills through performance of alternative string styles including popular tunes, classical chamber music, fiddle tunes, jazz and small ensembles. Membership is open to 12th graders by director recommendation. Limited extra rehearsals and performances are required. Daily at home practice is required for all students. Membership is open to any student who completed Instrumental Ensemble III, and this course must be taken in conjunction with an orchestra course. Limited after school rehearsals and performances are required.

## Theatre & Dance

**Theatre, Cinema, & Film Production****0400660****Grade 9 - 12**

Students in this course will explore the elements of film and cinematic techniques used by those who create movies. Students study the techniques in film that serve the story and articulate the theme. Students also prepare a comparative for theatre, film, and literature. Public performances may serve as a resource for specific instructional goals. *Students may be required to attend or participate in technical work, rehearsals, and/or film production beyond the school day to support, extend, and assess learning in the classroom.*

**Theatre I****0400310****Grades 9 - 12**

This course is designed for students with little or no theatre experience and promotes enjoyment and appreciation for all aspects of theatre. Classwork focuses on the exploration of theatre literature, performance, historical and cultural connections, and technical requirements. Improvisation, creative dramatics, and beginning scene work are used to introduce students to acting and character development. Incorporation of other art forms in theatre also helps students gain appreciation for other art forms, such as music, dance, and visual art. *This course may require students to participate in extra rehearsals and performances beyond the school day.*

**Theatre II****0400320****Grades 10 - 12**

This course is designed for students with a year of experience or more and promotes enjoyment and appreciation for all aspects of theatre through opportunities to build significantly on existing skills. Classwork focuses on characterization, playwriting, and playwrights' contributions to theatre; while improvisation, creative dramatics, and scene work are used to help students challenge and strengthen their acting skills and explore the technical aspect of scene work. *Students are required to participate in activities, rehearsals, and performances beyond regular school hours.*

**Theatre III Honors****0400330****Grade 11 - 12*****Prerequisite: Director Recommendation and Audition***

This is an advanced level competition and performance course designed for students with significant experience in theatre and promotes depth of engagement and lifelong appreciation for theatre through a broad spectrum of teacher-assigned and self-directed study and performance with an emphasis in all areas of the performing arts. The emphasis will be to develop advanced acting and technical skills through hands-on activities as well as studies in specific areas of the performing arts including acting, musical theatre, playwriting, and script analysis. Students are required to participate in individual events competition, one-act festivals, playwriting, and ALL MHS productions.

**Theatre IV Honors****0400340****Grade 12****Prerequisite: Director Recommendation and Audition**

This course is designed for students with extensive experience in theatre and promotes significant depth of engagement and lifelong appreciation for theatre through a broad spectrum of primarily self-directed study and performance. In keeping with the rigor expected in an accelerated setting, students assemble a portfolio that showcases a significant body of work representing personal vision and artistic growth over time; mastery of theatre skills and techniques in one or more areas; and evidence of sophisticated oral and written analytical and problem-solving skills based on their structural, historical, and cultural knowledge.

**Dance Techniques I****0300310****Grades 9 - 12**

This is an entry-level course, designed for students having no prior dance instruction. Students will learn foundational skills in two or more dance styles. Their development of fundamental dance technique is enriched and enlivened through study of works by a variety of diverse artists, developing genre-specific movement vocabulary and dance terminology, and building knowledge and skills related to somatic practices, dance composition, analysis of effort and outcomes, dance history and culture, collaborative work, and rehearsal and performance protocols. Student will study not only Ballet and Jazz but also the Kinesthetic and anatomy of a dancer. This course may require students to participate in extra rehearsals and performances beyond the school day.

*Students must have Jazz shoes to participate in class.*

**Dance Techniques II****0300320****Grades 10 - 12****Prerequisite: Director Recommendation**

This is a jazz band class of standard instrumentation whose function is to develop the ability to apply the knowledge of styles and techniques of contemporary jazz literature. Membership is open to 11th grade band students with director recommendation. Limited extra rehearsals and performances are required. *This course must be taken in conjunction with Band III.*

**Dance Techniques III Honors****0300330****Grade 11 - 12****Prerequisite: Teacher Approval**

Students will build on previously acquired knowledge and fundamental technical skills in two or more dance forms, focusing on developing the aesthetic quality of movement in the ensemble and as an individual. Must have completed Dance I and II prior to taking this class. This course may require students to participate in extra rehearsals and performances beyond the school day.

*Students must have Jazz shoes to participate in class.*

**Dance Techniques IV Honors****0300334****Grade 12****Prerequisite: Teacher Approval**

Students will build on previously acquired knowledge and fundamental technical skills in two or more dance forms, focusing on developing the aesthetic quality of movement in the ensemble and as an individual. Must have completed Dance I, II, and III prior to taking this class. This course may require students to participate in extra rehearsals and performances beyond the school day.

*Students must have Jazz shoes to participate in class.*

## General Music Electives

**Advanced Placement Music Theory****1300330****Grade 11 - 12**

The course will instill mastery of the rudiments and terminology of music, including hearing and notating: pitches, intervals, scales and keys, chords, meter, and rhythm. Building on this foundation, more sophisticated and creative tasks, such as: melodic and harmonic dictation, composition of a bass line for a given melody, implying appropriate harmony, realization of a figured bass, realization of a Roman numeral progression, analysis of repertoire, including melody, harmony, rhythm, texture and form, as well as sight-singing.

## Visual Arts

**Art/2D Comprehensive I****0101300****Grades 9 - 12**

This course provides students with opportunities to develop basic understanding of the artistic expression of ideas through two-dimensional media. This content will help students develop an awareness of environment, exploration of ideas through production of works in various two-dimensional media and the development of aesthetic judgment using the properties of the Elements of Art and the Principles of Design.

<b>Ceramics I</b>	<b>0102300</b>	<b>Grades 10 - 12</b>
<i><b>Prerequisites: Teacher Approval and B or higher in Art/2D Comp</b></i>		
This course is designed for the highly motivated student. Ceramics is a three-dimensional class structured around the design principles as they are related to clay materials. Student will learn hand building, wheel- throwing techniques, slab techniques, proper use of tools and equipment, as well as different firing techniques.		
<b>Ceramics II</b>	<b>0102310</b>	<b>Grades 11 - 12</b>
<i><b>Prerequisites: Teacher Approval and B or higher in Ceramics I</b></i>		
In this class, students will reinforce concepts learned in Ceramics I and will design an independent course of study as it relates to clay, ceramics, and sculpture.		
<b>Ceramics III</b>	<b>0102320</b>	<b>Grade 12</b>
<i><b>Prerequisites: Teacher Approval and B or higher in Ceramics II</b></i>		
In this class, students will reinforce concepts learned in Ceramics II and will design an independent course of study as it relates to clay, ceramics, and sculpture.		
<b>Drawing I</b>	<b>0104340</b>	<b>Grades 10 - 12</b>
<i><b>Prerequisites: Art/2D Comp</b></i>		
Students experiment with the media and techniques used to create a variety of two-dimensional (2-D) artworks through the development of skills in drawing. Students will 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. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials.		
<b>Painting I</b>	<b>0104370</b>	<b>Grades 10 - 12</b>
<i><b>Prerequisites: Teacher Approval and B or higher in Art/2D Comp</b></i>		
Students experiment with the media and techniques used to create a variety of two-dimensional (2-D) artworks through the development of skills in painting. Students practice 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. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials. \$20 donation is asked for supplies.		
<b>PAINTING II</b>	<b>0104380</b>	<b>Grades 11 - 12</b>
<i><b>Prerequisites: Teacher Approval and B or higher in Painting 1</b></i>		
This class is a follow up to Painting 1. Students must be highly motivated and willing to explore a variety of paint media and styles. The course includes class critiques as well as self-reflection developing one's own style.		
<b>Advance Placement Studio Art</b>	<b>0109350/0109360/0104300</b>	<b>Grades 11 - 12</b>
<i><b>Prerequisites: Teacher Approval</b></i>		
Students will participate in a Sustained Investigation of their choosing that they will use to work towards developing 15 pieces for their portfolio submission to earn college credit. This investigation will include research, sketching ideas, revising artwork, and experimenting with different mediums and processes. In additions, students will create 5 selected works to show off their skills. <i>*This course may be taken in conjunction with Portfolio to provide additional time to work in class on pieces.</i>		
<b>Portfolio I</b>	<b>0109310</b>	<b>Grades 10-12</b>
<i><b>Prerequisites: Teacher Approval and B or higher in Art2D or Digital Design 1</b></i>		
This course provides a re-enforcement level of experience to further develop and advance skills in design, composition, technique, and media to expand creative ability. The completion and presentation of a portfolio as evidence/record of student development is required.		

## Portfolio II

0109320

Grades 10-12

### *Prerequisites: Teacher Approval*

This course will include the introduction to development of a portfolio, which reflects an understanding of the principles of design using various forms of expression; the valuing of arts as an important realm of human experience; the production of original and imaginative works of art; the history of art and its relationship to other processes and periods; and the criterion for making and justifying judgments about the aesthetic merit and qualities of works of art.

## Honors Drawing (Portfolio)

0104360

Grades 10 - 12

### *Prerequisite: Teacher recommendation*

Students demonstrate proficiency in the conceptual development of content in drawing to create self-directed or collaborative 2-D artwork suitable for inclusion in a portfolio. Students produce works that show evidence of developing craftsmanship and quality in the composition. Through the critique process, students evaluate and respond to their own work and that of their peers. Through a focused investigation of traditional techniques, historical and cultural models, and individual expressive goals, students begin to develop a personal art style. This course incorporates hands-on activities and consumption of art materials.

## AP 2D Art

0109350

Grades 11 - 12

### *Prerequisite: Teacher recommendation and see Honors/AP eligibility requirements chart located before course descriptions.*

College Board's Advanced Placement Program (AP) enables willing and academically prepared students to pursue college-level studies - with the opportunity to earn college credit, advanced placement, or both - while still in high school. Students create a portfolio of work to demonstrate inquiry through an art and design development of materials, processes, and ideas over the course of a year. Portfolios include works of art and design, process documentation, and written information about the work presented. In May, students submit portfolios for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, and revision, guided by questions. Students can work with any materials, processes, and ideas. Graphic design, digital imaging, photography, collage, fabric design, weaving, fashion design, illustration, painting, and printmaking are among the possibilities for submission. Still images for videos or film are accepted. Composite images may be submitted.

## AP Art History

0100300

Grades 11-12

The Advanced Placement Art History course provides students with an opportunity to foster a greater understanding of modes of visual expression across time, including the following: architecture, sculpture, painting, and other art forms in diverse historical and cultural contexts. Students in this course are expected to nurture an ability to examine works critically, with intelligence, maturity, and sensitivity, in order to effectively analyze what is seen and subsequently experienced. Exemplary attendance – an average of less than 5 absences per semester - is crucial to success in AP Art History, due to the visual nature of the class. Students enrolling in the class are also expected to possess solid writing, reading, and research skills. All students in AP Art History are expected to take the national examination in May. Students who pass the National AP examination may earn college credit.

# JROTC, Leadership, and General Electives

## JROTC

### Leadership Education & Training 1

1801300

Grades 9 - 12

The first year introduces students to American symbols, customs and courtesies, values, ethics, and military traditions. It also offers an introduction to community service projects, basic leadership skills, principles of leadership and learning strategies. Discussions cover the purpose of Army JROTC, equal opportunity and sexual harassment awareness and prevention. Opportunities exist to participate in extracurricular competitive teams. Finally, students participate in a weekly physical fitness education program.

**Leadership Education & Training 2****1801310****Grades 10 - 12**

The second-year course continues the objectives of leadership education with increased emphasis on all areas of leadership development. Focus is brought to values, as well as principles of the BE, KNOW, and DO attributes. There is also an introduction of first aid, land navigation, healthy lifestyle, development of social responsibility, conflict resolution, and participate in service-learning projects. Students continue to participate in extracurricular competitions and P.T. to further develop their motor skills. Students who complete their 2nd year of JROTC will be eligible for a HOPE and Performing Arts Waiver.

**Leadership Education & Training 3****1801320****Grades 11 - 12**

The third-year students will begin the planning process, decision making problem-solving process, and will have opportunities to supervise. Students will look more into the understanding of human needs, they will assume staff positions, and start the mentoring and teaching process. The course prepares students to assume key leadership positions through counseling and demonstrated leadership skills. Students will lead large groups of students in competitions and P.T. Third year students interested in a four-year JROTC scholarship will have the opportunity to start the process to compete for a full scholarship.

**Leadership Education & Training 4****1801330****Grade 12**

Fourth year JROTC students assume key leadership positions and gain experience as mentors, coaches, teachers and start the teamwork process for the younger students. The students are introduced to financial planning, career planning, scholarship opportunities, and lead in various community and school related activities. Students will continue leadership development as leaders on teams and small groups.

**Student Government****Leadership Skills Development - SGA****2400300****Grades 10 - 12**

The purpose of this course is to teach leadership skills, parliamentary procedure, problem solving, decision making, communication skills, group dynamics, time & stress management, public speaking, human relations, public relations, team building, & other group processes. SGA focuses on promoting student involvement in school-related activities and events and works to boost school morale.

**Leadership Techniques - SGA****2400310****Grades 11 - 12**

This course will provide an in-depth study of the leadership techniques of decision making, problem solving, meeting skills, communication, group conflict resolution, time and stress management, evaluation, team building, group dynamics, motivational strategy, and the role of leadership in a democratic society. SGA focuses on promoting student involvement in school-related activities and events and works to boost school morale.

**Journalism****Journalism 1****1006300****Grades 9 - 12**

The emphasis of the course is in journalistic writing, newsgathering, organizing information, and newspaper production. The first semester is devoted to news writing, feature writing, sports writing, copy editing, and headline writing, with frequent reporting and writing assignments. The second semester deals with the history of journalism, photojournalism ethics, media rights, and the First Amendment.

**Journalism 2****1006310****Grades 9 - 12*****Prerequisite: Teacher Approval***

Practical experience is provided in developing publication techniques through rigorous practice in journalistic writing. Through the production of publications, students expand and develop skills in reporting, writing (news, features, editorials), ad sales, and graphic arts in a workshop setting for the operation of a staff that must deal with deadlines, budget limitations, printers and typesetters, division of duties, and decision-making.

### Journalism 3

1006320

Grades 11

#### **Prerequisite: Teacher Approval**

Intermediate instruction in writing and production skills related to various journalistic media is provided, including practice in applying all aspects of the writing process by journalistic standards. Organization and management techniques relating to productions are stressed, including leadership skills, record keeping, time management, utilization of personnel, and task organization, through workshop experiences in producing various kinds of journalistic products. Students assume leadership roles and implement various aspects of production of the Macohi or Cane Echo.

### Journalism 4

1006330

Grades 9 - 12

#### **Prerequisite: Teacher Approval**

Intermediate instruction in writing and production skills related to various journalistic media is provided, including practice in applying all aspects of the writing process by journalistic standards. Organization and management techniques relating to productions are stressed, including leadership skills, record keeping, time management, utilization of personnel, and task organization, through workshop experiences in producing various kinds of journalistic products. Students assume leadership roles and implement various aspects of production of the Macohi or Cane Echo.

## Drivers Education

### Driver Ed Class/Lab

1900310

Grade 10 - 12

This is a two-phase course consisting of classroom study and driving in the car. Statistics prove that drivers who have had Driver Education have 50 percent fewer accidents than those who have not had it. Therefore, many insurance companies give discounts on insurance plans for students who successfully complete the class. Upon completing the classroom phase, students will be teacher assistants for the remainder of the semester and report to their instructor when they are scheduled to drive. It is the student's responsibility to complete the teacher assistant form and return it before the classroom instruction is over. As of Jan. 1, 2005, students taking Driver Education will be given a DMV-approved road test to earn their driver's licenses through instructors who are DELAP certified. This course will be paired with a separate 0.5 credit class.

## Physical Education

### HOPE (Health Opportunities Through Physical Education)

1506320

Grade 9

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 student success. ***\*This is a physical education graduation requirement.\****

#### **Hope Waiver**

Students who participate in interscholastic sports for two (2) full seasons (JV or Varsity) are eligible for the HOPE Waiver. Students who complete two (2) years in JROTC courses are eligible for the HOPE Waiver.

### Individual And Dual Sports I-IV

1502410

Grades 9 - 12

These courses provide the student with the opportunity to acquire the knowledge and skill in a lifelong sport or activity. Levels II and III increase the skills and knowledge gained in level I.

### Team Sports I/Team Sports II

1503360

Grades 9 - 12

Team Sports I provides students with the opportunity to acquire knowledge and skill necessary to participate effectively as a team member. Specific content shall include an understanding of basketball, flag football, soccer, team tennis, team handball, volleyball, and softball as well as other team sports deemed appropriate. Course content will include rules, strategies, basic skills, techniques that are related to sports activities, and officiating. Team Sports II provides the student with the opportunity to increase skills, knowledge, and strategy learned in level I. Students should register for both Team Sports I and II. Together these courses equal one credit.

<b>Basketball 1 &amp; Basketball 2</b>	<b>1503310</b>	<b>Grades 9 - 12</b>
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The purpose of this course is to acquire knowledge and skills in the game of basketball. Students will improve fitness levels and work on techniques, skills, and strategies. Attendance, dressing out, class participation and exams will determine students' grades.

<b>Soccer 1 &amp; Soccer 2</b>	<b>1503320</b>	<b>Grades 9 - 12</b>
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The purpose of this course is to learn the offense and defense of the sport of soccer. Students will learn the skills and rules of a soccer. Attendance, dressing out, class participation and exams will determine students' grades.

<b>Volleyball 1 &amp; Volleyball 2</b>	<b>1505500</b>	<b>Grades 9 - 12</b>
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The purpose of this course is to learn the offense and defense of the sport of volleyball. Students will learn the skills and rules of a variety of indoor and outdoor volleyball games. Attendance, dressing out, class participation and exams will determine students' grades.

<b>Beginning Weight Training I</b>	<b>1501340</b>	<b>Grades 10 - 12</b>
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This course is designed to provide students with the opportunity to acquire basic knowledge and skills in weight training. Students should also register for Intermediate Weight Training.

<b>Intermediate Weight Training II</b>	<b>1501350</b>	<b>Grades 10 - 12</b>
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*Prerequisite: Beginning Weight Training*

The purpose of this course is to provide students with opportunities to extend the acquisition of knowledge and skill training programs by incorporating new exercises. Students should also register for Beginning Weight Training.

<b>Advanced Weight Training III</b>	<b>1501360</b>	<b>Grades 11 - 12</b>
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*Prerequisite: Intermediate Weight Training*

Course content includes reinforcement of basic weight training knowledge, and knowledge to design and implement personal program. Students should also register for Beginning Power Weight Training.

<b>Advanced Weight Training IV</b>	<b>1501410</b>	<b>Grade 10 - 12</b>
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*Prerequisites: Beginning/Intermediate Weights*

The purpose of this course is to acquire knowledge and skills in power weight training and improve or maintain health related physical fitness. This course will include, but not be limited to, safety practices, assessment of health-related fitness, skills, techniques, strategies, and rules of weight training. There will also be an emphasis on cardiovascular fitness and stretching. Students will be expected to dress-out and participate. Attendance, dressing-out, and class participation will determine the grade. Students should also register for Advanced Weight Training.

## World Language

<b>Spanish I</b>	<b>0708340</b>	<b>Grades 9 - 11</b>
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*Prerequisite: Proficient Score on ELA State Assessment*

Students are introduced to the language and culture of the Spanish-speaking world. Listening, speaking, reading, and writing skills are practiced daily. Essentials of grammar and sentence structure are stressed.

<b>Spanish II</b>	<b>0708350</b>	<b>Grades 9 - 12</b>
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These courses provide the student with the opportunity to acquire the knowledge and skill in a lifelong sport or activity. Levels II and III increase the skills and knowledge gained in level I.

<b>Spanish III Honors</b>	<b>0708360</b>	<b>Grades 10 - 12</b>
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*Prerequisite: C in Spanish II*

Continuing the work of the second year, listening, speaking, reading and writing are stressed. Emphasis is placed on reinforcing correct grammatical habits. Spanish literature and culture are studied more extensively.

**\*\*Spanish is the primary language of the teacher in the classroom.\*\***



***Prerequisite: C in Spanish II***

In this course, the active, oral participation of the students is increased as they present and defend their own ideas in Spanish.

***\*\*Spanish is the primary language in the classroom.\*\****