

Suncoast Polytechnical High School

A New School. A New World of Possibilities.



2012 – 2013 Program of Studies

Suncoast Polytechnical High School

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Sarasota, FL 34233

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www.sarasotacountyschools.net/sphs/

Learn what you love. Love what you learn.



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Any person who believes he or she has experienced any such prohibited discrimination may file a complaint with the district Equity Coordinator Roy Sprinkle by calling (941) 927-9000, ext. 31213, or writing him at 1960 Landings Blvd., Sarasota, FL 34231.

Suncoast Polytechnical High School

4650 Beneva Road • Sarasota, FL 34233 Telephone (941) 921-3981 • Fax (941) 921-9900

January 2012

Dear Students and Families:

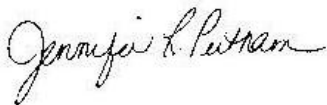
Welcome to Suncoast Polytechnical High School! This is an exciting new phase of your education, and we are pleased that you have selected SPHS as *your* high school. Our teachers and staff members have also selected SPHS as their school of choice and are here to help you find success within our strong academic and career-focused programs. We are proud of the extensive Career and Technical programs our school offers with its location on the Sarasota County Technical Institute (SCTI) campus, and know that we can help you find just the right pathway that will meet your personal and career goals.

Of course, with this new experience comes some new responsibilities, and the first one is to make sure that you select courses that are best matched to your academic needs and career interests. To help you do this, we have published this handbook to guide you and your family. You already know that students will take a predetermined curriculum in our school. However, there are important personal selections within the core curriculum in addition to your input on the types of career pathways you have chosen.

Take the time to explore the opportunities that await you at SPHS and challenge yourself to find who you are and what talents you have. Try a new club, use 21st Century Workplace skills everyday in your classes, and find the joy that comes from giving back to your community through our Community Service Volunteer Opportunities.

Your high school years will go by so quickly. Take advantage of the opportunities this unique campus complex can offer you. Your future depends on it!

Respectfully yours,



Jennifer Putnam, Ph.D.
Principal

Mission

The mission of Suncoast Polytechnical High School is to provide a highly personalized educational experience where students master a rigorous career and technology driven curriculum within a thematic, analytical, and interactive teaching and learning environment.



Vision

It is the vision of Suncoast Polytechnical High School to be recognized for providing a world-class technical education.

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SPHS ~ Faculty and Staff

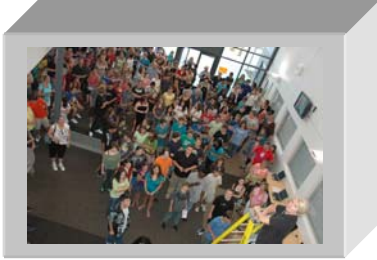
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2012-2013

Registration Handbook

For Suncoast Polytechnical High School Freshmen



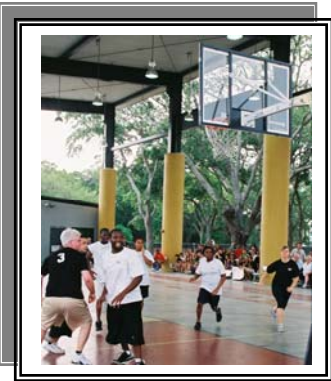
How to Use This Book

This hand book will give you valuable information concerning programs and courses offered to students at Suncoast Polytechnical High School. You will need this information as you select courses and register for next year.

Please read all parts of this book carefully discuss your course selection with your parents, current teachers, and counselor. When selecting courses, focus on your interests and career goals, as well as graduation and/or scholarship requirements.

The first part of the book gives a brief description of graduation requirements and programs available at Suncoast Polytechnical High School. The second part contains a list of courses offered at Suncoast Polytechnical High School. Remember, the size and nature of our school limits the offerings available, but our predetermined curriculum makes you eligible for **Bright Futures Scholarships** and the CTE Certification Exam from your career interests and goals.

You should use page 16 titled SPHS Student Schedule, to keep track of courses that you plan to take while at SPHS. You can make a plan to complete all of your courses required for graduation. Using the information from your CHOICES EXPLORER inventory, you can select other courses that will help you complete the study and prepare for the certification exam in your chosen career area. The *Four Year Plan* is a good tool for you to use to discuss your goals with your family.



School Profile



Suncoast Polytechnical High School is located at the North West corner of Beneva and Proctor Roads sharing the 64 acre campus with the Sarasota County Technical Institute (SCTI). Suncoast Polytechnical High School opened its doors in August 2008 with an inaugural class of 150 students and is now at capacity with 600 students in grades 9 through 12. Suncoast Polytechnical High School is a magnet technology high school for all students in the Sarasota County School District.

At SPHS, all elective classes are incorporated into a student's individual career area of choice. SPHS students can select one of four 'signature programs' available only at SPHS or one of twenty-six other areas of CTE certification also available to SPHS students at SCTI. **Animation/Gaming/Simulation (A/G/S)** is a program in collaboration with Ringling College of Art and Design, our **Biomedical Science** program has the only certified Project Lead The Way program in the State of Florida, students in the **Geospatial/Geographic Information Systems (GIS)** program can earn industry certification in one of the fastest growing areas of study, and students in the **Hotel & Restaurant Management** program with the State College of Florida/USF and the Ritz Carlton are also earning college credit while still in high school.

Students in Grades 9 prepare a team project that is a culmination of content learned in all eight courses for both semesters I and II. These project based learning Exhibition require students to prove – through demonstration and creativity what they have learned. Exhibitions require active participation, 21st Century workplace team skills and public speaking. These exhibitions comprise up to 10% of a student's cumulative semester grade. Parents are invited and encouraged to attend the exhibition presentations in January and May.

Exhibition projects for students in grade 10 focus on their career areas of interest. Business and community leaders volunteer to serve as "judges" for the semester exhibition projects bringing real-world perspective and accountability to each team.

The Stavros Center for Free Enterprise and Economic Education housed at the University of South Florida has partnered with SPHS and our local business community. They have provided staff development for our teachers to support the infusion of basic business and economic-focused core curricular delivery.

Students at SPHS can graduate eligible for the Bright Future Scholarship Programs and will be ready to take their certification exam in the career area they have selected to study during their high school career.

Career & Technical Education (CTE) Programs

Four Signature Programs:

- *Biomedical Science *Hotel & Restaurant Management
- *Game Art & Animation *Geospatial/Geographic Information Systems (GIS) Technology

Major Area	Program *
Agriculture, Food & Natural Resources	Veterinary Assisting
Architecture & Construction	Architectural Drafting
Arts, A/V Technology & Communication	Digital Design
	Digital Video Production
	Multimedia Design Technology
Business Management & Administration	Accounting Applications
	Administrative Assistant
	Business Supervision & Management
	Customer Assistance Technology
	Electronic Business Enterprise
	Legal Administrative Specialist
Medical Administrative Specialist	
Education and Training	Early Childhood Education
Government & Public Administration	<input checked="" type="checkbox"/> Geospatial / Geographic Information Systems (GIS) Technology I
Health Science (age 16 for clinical)	Emergency Medical Responder
	Emergency Medical Technician (DE)
	Medical Laboratory Assisting (12 th)
	Nursing Assisting-Acute & Long Term Care
	Practical Nursing
	<input checked="" type="checkbox"/> Biomedical Science
Hospitality and Tourism	Culinary Art
	<input checked="" type="checkbox"/> Hotel & Restaurant Management
Human Service	Cosmetology
Information Technology	Applied Cyber Security (IT Prerequisite)
	Computer Systems & Information Technology
	.Net Application Development & Programming
	Network Systems Administration
Law, Public Safety, & Service	<input checked="" type="checkbox"/> Game Art & Animation
	Introduction to Fire Fighting (Program begins with Health Science prerequisite)
Transportation, Distribution & Logistics	Automotive Collision Repair & Refinishing
	Automotive Service Technology
	Marine Service Technology

* Denotes Offered at SCTI Denotes Offered through SPHS

Specific information regarding the above SCTI Programs can be found at www.sarasotatech.org

A New School. A New World of Opportunities.

Graduation Requirements



To graduate from Suncoast Polytechnical High School, students must earn a total of 28 credits. There are some very specific credits that must be earned within those 28:

High School Graduation Requirements for Students Entering High School 2012-2013		
SUBJECT	CREDITS	COMMENTS
English	4	
Mathematics	4	Algebra 1 is the SPHS entry-level math course.
Science	3	All classes are lab classes
World History	1	
American History	1	
Economics	.5	
American Government	.5	
Performing/Fine Arts	1	Note: The Two-Dimensional Studio Art I course at SPHS will meet this requirement.
Health and H.O.P.E.	1	
Major Area of Interest	8	Courses must be completed in an approved program of study in a Career & Technical, field which prepares them for certification exams & licensure.
Electives	4	Elective courses to extend a student's goals in an academic or career area. Could include college dual enrollment and/or internships and/or on the job training (OJT) in your career field.



Academic Seminar

Each student will be assigned to an Academic Seminar class. This small group of students and their teacher will determine and pursue various academic and career-focused activities such as career speakers, field trips, and enrichment activities throughout the school year.

Community Service Learning

Students from the Class of 2013, 2014, & 2015 will be required to earn 75 hours in the Community Service Learning Program during their 4 years of high school. Students starting with the Class of 2016 will be required to earn 100 hours in the Community Service Learning Program during their 4 years of high school. This will provide the opportunity for students to experience the value of sharing their talents and energy for other, less fortunate members of their community. School-wide community service is a benchmark of our school culture and identity.

High School Promotion and Grade Classification

As you earn credits toward graduation you move from freshman to sophomore, then junior, then senior. The credits you earn each year determine your promotion and grade classification.

Fewer than 6 credits	Freshman (Gr. 9)
6 credits	Sophomore (Gr. 10)
13 credits (including 1 credit each in English and Math)	Junior (Gr. 11)
20 credits (including 2 credits each in English and Math) and 2.0 GPA	Senior (Gr. 12)

Students will be provided information on their credit standing each year.

Grading

The grading scale at Suncoast Polytechnical High School is:

A	=	90 – 100	Outstanding Progress
B	=	80 – 89	Above Average Progress
C	=	70 – 79	Average Progress
D	=	60 – 69	Lowest Acceptable Progress
F	=	59 – 0	Failure
I	=		Incomplete
M	=		Medical Excuse
P	=		Passes, Credits, No GPA
W	=		Withdrawn



Assignments and grades are posted on the AngelWeb electronic system. Both students and parents will receive PIN numbers and instructions on how to access this information. SPSHS teachers have 10 business days from when the assignment due date to post grades to AngelWeb. Teachers put a lot of time into posting assignments and grades on AngelWeb and it is important that students and their parents learn to navigate this system to facilitate effective support and communications.

Besides being able to monitor student progress and offer encouragement and support on a daily or weekly basis through AngelWeb, **progress reports** will be hand carried home by students' half-way through each quarter. Quarter 1 and 3 report cards are progress indicators or snapshots of progress for each respective semester. Grades are accrued cumulatively throughout the semester. The **report cards** issued in January and June are averaged for a FINAL end-of-the-year course grade that is recorded on the student's transcript.

In each course a portion of the grade will be based on 21st Century Workplace skills. Those skills will include:

1. Collaboration
2. Technology
3. Oral communication
4. Leadership
5. Creative and Critical Thinking
6. Written Communication

Grade Point Averages (GPA)

Cumulative grade point averages will be computed and reported to universities and employers as requested. You must earn a minimum of a 2.0 GPA on a 4.0 scale to graduate. Some courses are weighted (given extra points); however the required 2.0 GPA is on an unweighted scale.

Your Grade Point Average is very important for determining graduation and eligibility for special scholarship and extra-curricular activities such as sports. The GPA represents the number of quality points earned divided by the number of quality points attempted.

Quality points are assigned as follows:

Regular Classes/
Quality Points

Honors, Advanced Placement, Dual Enrollment
& International Baccalaureate Classes/Quality Points

A = 4

B = 3

C = 2

D = 1

F = 0

A = 5

B = 4

C = 3

D = 2

F = 0

Academic Policy

Suncoast Polytechnical High School is a magnet school with clear standards and expectations for student academic success. Having demonstrated academic competency, it is expected that all students will seek extra assistance when needed.

All SPHS students must maintain a minimum academic requirement of a 2.0 Grade Point Average (GPA) and earn passing grades in all course work required for graduation. During the 2011-2012 school year, any student who earns a GPA lower than 2.0 or fails a course required for graduation will be notified of and placed on academic probation. A student who does not maintain this minimum academic requirement could be required to return to their districted high school the following school year where intensive academic assistance and grade retrieval opportunities can be provided.

Academic Awards

Students who achieve a 3.0 grade point average (GPA), or better, with no grade below a B at the end of the semester, are listed on the Honor Roll. Students who maintain a 3.5 GPA are encouraged to pursue membership in the National Honor Society.

Academic awards are given to sophomores, juniors, and seniors after the third, fifth, or seventh semester of a student's high school career. An academic letter is awarded to students who (1) have earned a cumulative GPA of 3.5+ with no D or E grades or (2) have three consecutive semesters of 3.5+ CPA with no D or E grades. Students who earn an academic letter and continue to meet the criteria listed above will then be eligible for an academic bar. An awards ceremony is held in the spring for sophomores, juniors and seniors who have earned academic bars and letters. Twelfth grade students may also participate in the Senior Honors Convocation where, among other honors, numerous scholarships are awarded.

National Honor Society

The National Honor Society (NHS) chapter of Suncoast Polytechnical High School is a duly chartered and affiliated chapter of this prestigious national organization. Membership is open to those students who meet the required standards in four areas of evaluation: scholarship, leadership, service and character. Standards for selection are established by the national office of NHS and have been revised to meet our local chapter needs. Students are selected to be members by a five-member Faculty Council, appointed by the principal, which bestows this honor upon qualified students on behalf of the faculty of our school second semester of each academic school year.

Students in grades 10, 11 or 12 are eligible for membership. For the scholarship criterion, a student must have a cumulative Grade Point Average (GPA) of 3.5 un-weighted or 4.0 weighted, as defined by the Sarasota County School District. Those students who meet this criteria are invited to complete a **Student Activity Information Form** that provides the Faculty Council with information regarding the candidate's leadership and service. A documented history of leadership experiences and participation in school and community service is also required. For Sophomore applicants, a minimum of 30 documented community service hours must be completed by the end of the 3rd semester. For Junior applicants, a minimum of 60 documented community service hours must be completed by the end of the 5th semester and for Senior applicants, a minimum of 90 documented community service hours completed by the end of the 7th semester.

Exceptional Student Education (ESE)

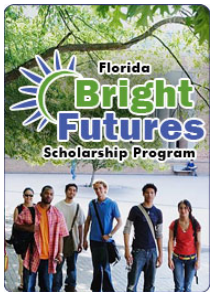
The limited size of our school/staff enables us to offer accommodations, consultation to teachers and limited support facilitation. Student IEP must reflect consult level of service or be limited to only one academic ESE class at the resource inclusion level of service. **A current copy of the IEP with the most recent psychological report or 504 Plan must be submitted with the application. Parent is responsible for providing an updated copy to SPHS within 5 business days of the most recent IEP/504 meeting.** If a student is currently active in a support program, the records will be reviewed by a team for appropriate placement and services. Only standard diplomas are issued at SPHS. Students with a Functional Behavior Assessment (FBA) must submit a copy **with the application.**

English Language Learner (ELL) Student Services

The limited size of our school/staff enables us to offer only a mainstream/inclusion instructional approach in our English for Speakers of Other Languages (ESOL) program for ELLs.

Florida Bright Futures Scholarship Program

The Florida Bright Futures Scholarship Program awards scholarships to any Florida high school graduate who merits recognition of high academic achievement and who enrolls in an eligible Florida public or private post-secondary educational institution within three years of high school graduation. There are three Florida Bright Futures Scholarships: Florida Academic Scholarship, Florida Medallion Scholarship, and the Vocational Gold Seal Scholarship. Students can only qualify for one scholarship and must meet certain requirements. The general requirements are:



- Florida residency
- Standard high school diploma
- Accepted and enrolled in an eligible Florida public/private post-secondary school
- Enrolled for at least six semester credit hours during their senior year
- Not have been found guilty of a felony
- Applied for the scholarship before graduation

For more information regarding Bright Futures requirements, please visit the website at www.firn.edu/doe/bfuture. The requirements for the Florida Bright Futures Scholarship program are subject to change at any time and currently under review by the State Legislature.

Facts.org

FACTs.org is Florida's official online student advisement tool. It can be accessed by students, parents, and guidance counselors to help track individual career plans and to make informed choices about high school and post-secondary education. With this online tool, you can determine career objectives, evaluate high school progress, see a summary of your high school courses and grades, learn about higher educational opportunities in Florida, and apply to Florida colleges online.

Co-Curricular Activities

Co-Curricular Activities

The students at SPHS are surveyed annually to determine their main areas of co-curricular interest. Clubs currently active at SPHS are: Academic Olympics; Art Club; Community Volunteer Service Club; Drama Club; FIRST Robotics/G.E.E.K. Club; Intramural Fitness; Math Club; National Honor Society; Relay for Life; Renegades on the Road; Student Council; Students Working Against Tobacco (S.W.A.T.); Technology Student Association (TSA) and Yearbook. In addition, all Career and Technical programs have affiliations with specific Career and Technical Student Organizations (CTSOs). These organizations provide meaningful career and leadership activities that directly relate to the CTE program of study. Students have the opportunity to network and compete with other students and professionals with similar interests at the Local, State and National levels. Membership in a CTSO related to your program of study is a required component of career and technical programs per Florida Administrative Code 6A-6.065.

Athletic Eligibility



All five base Sarasota high schools offer a variety of athletics programs offered as extracurricular activities. Our schedule at SPHS provides the opportunity for students to participate in athletic programs associated with their districted high school. For specific athletic program information, please contact your districted high school's Athletic Director.

A student shall be eligible during the first semester of his/her ninth-grade year provided that it is the student's first entry into the ninth grade and he/she was regularly promoted from the eight- grade the immediate preceding year. Second semester ninth graders will be required to maintain a 2.0 minimum GPA for athletic participation. The minimum 2.0 grade point average is established in Florida Statutes and cannot be waived by the Florida High School Athletic Association.

NAIA Eligibility

College bound athletes who plan to attend an NAIA school will need to meet the following three admission requirements:

1. A minimum score of 18 on the Enhanced ACT or a combined 860 on the critical reading and math sections of the SAT.
2. An overall high school GPA of 2.0 or higher on a 4.0 scale.
3. Graduate in the upper half of his or her high school class.

NCAA Eligibility for Division I and II College-Bound Athletes

If you plan to be a college athlete in a Division I and Division II college or university, you will need to meet NCAA Clearinghouse standards as well as college admission standards.

Division I - 2008 and Later	Division II - 2005 and After
<p>16 Core Courses - If you enroll in a Division I college on or after August, 1, 2008, and want to participate in athletics or receive an athletics scholarship during your first year, you must:</p> <ul style="list-style-type: none"> ▪ Graduate from high school; ▪ Complete these 16 core courses: <ul style="list-style-type: none"> - 4 years of English - 3 years of mathematics (algebra I or higher) - 2 years of natural or physical science (including one year of lab is offered by high school) - 1 year of English, mathematics or natural or physical science - 2 years of social science - 4 years of additional core courses (from any area above, foreign language or non-doctrinal religion or philosophy); ▪ Earn a minimum required grade-point average in your core courses; and ▪ Earn a combined SAT or ACT sum score that matches your core-course grade-point average and test score sliding scale provided by the NCAA Clearinghouse. 	<p>14 Core Courses - If you enroll in a Division II college in 2005 or later and want to participate in athletics or receive an athletics scholarship during your first year, you must:</p> <ul style="list-style-type: none"> ▪ Graduate from high school; ▪ Complete these 14 core courses: <ul style="list-style-type: none"> - 3 years of English - 2 years of mathematics (algebra I or higher) - 2 years of natural or physical science (including one year of lab is offered by high school) - 2 extra year of English, mathematics or natural or physical science - 2 years of social science - 3 years of extra core courses (from any category above, or foreign language, non-doctrinal religion or philosophy); ▪ Earn a 2,000 grade-point average or better in your core courses; and ▪ Earn a combined SAT score of 820 or an ACT sum score of 68. <p>There is no sliding scale in Division II.</p>

OTHER IMPORTANT INFORMATION:

- In Division II, the minimum core grade-point average is 2.000. The minimum SAT score is 820 and the minimum ACT sum score is 68.
- State tests, such as those given in Colorado and Illinois, are not acceptable.
- For more information regarding the rules, please go to www.ncaa.org. Click on “Student-athletes and Parents” in the “Custom Home Pages” section. You may also visit the clearinghouse Web site at www.ncaaclearinghouse.net or call the NCAA at 317-917-6222.

Suncoast Polytechnical High School Student Schedule 2012 - 2013

Suncoast Polytechnical High School is on a block schedule, which enables students to complete 8 credits per year. To meet graduation requirements AND complete a Career & Technical Education (CTE) program of their choice, a student's schedule will look like this.

AP = Advanced Placement

DE = Dual Enrollment

	Gr. 9	Gr. 10	Gr. 11	Gr. 12
English	English I/Honors	English II/H	English III / AP Language	English IV H / English IV: Florida College Prep / AP Literature
	Applied Communications I			
Math	Algebra I or Algebra I Honors; Geometry Honors or Algebra II Honors	Geometry or Geometry Honors; or Algebra II or Algebra II Honors; or Pre-Calculus	Algebra II or Algebra II Honors; Pre-Calculus; or AP Calculus	Pre Calc / AP Calc / D.E. / Mathematics for College Readiness
Science	Physical Science / Honors	Biology / Honors	Chemistry / Honors	Science / Elective
Social Studies	Econ/Government	World History / World History H	American History / AP American History	-
Fine Arts	Two-Dimensional Studio Art I	-	-	-
Health & PE*	H. O. P. E.	-	-	-
World Language	-	Spanish I & II or II & III or Chinese I & II	-	-
Major Career Area of Interest	Technology Studies I	Technology Studies II & III or Biomedical Sciences I & II; Animation, Game & Simulation/ Geospatial/Geographic Information Systems (GIS) Technology	SCTI CTE courses 1, 2, 3 & 4 or Animation, Game & Simulation (A.G.S.)	SCTI CTE courses 5, 6, 7 & 8 or A.G.S. or Biomedical Science III & IV or GIS I - IV
TOTAL CREDITS	8	8	8	8

Course Descriptions: Required Courses

Legend:

Max Credits 1.0 .5 U-Unlimited

The maximum number of credits a student can earn for the given course.

Wghtd Y-Weighted N-Not Weighted

FAS/FMS C-Core N-Not Core

Course can be used to meet Florida Academic Scholars and Florida Medallion Scholars 15 academic core requirements.

IB C-Advanced Placement N-No E-Elective

4YR/GSV C-Core N-Not core

Course can be used to meet Florida Gold Seal Vocational Scholars award 15.5 high school graduation core requirements (for students choosing the 24 credit graduation option)

CTE Y-Yes N-No

Course is part of a career-technical program.

SUS Admissn E-Elective C-Core N-Not Used P-Pending

Course applicable toward State University System admissions.

Fine Arts

One (1) Credit required for graduation

Two-Dimensional Studio Art I

Grade 9

0101300

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS ADMISSN
.5 – 1.0	N	N	Y	C	N	E

Prerequisite(s): No Prerequisite

This course enables students to communicate ideas or concepts through the use of two-dimensional drawing, design and composition. Students explore elements of art and principles of design through a variety of production experiences. Studio Art I students refine use of two-dimensional media and vocabulary. Content will make cultural and historical connections, will include reasoning, critical thinking, and evaluation skills, and will make interdisciplinary, real world, and career applications.

Portfolio I

Grade 11

0109310

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS ADMISSN
1.0	N	N	N			

Prerequisite(s): A variety of beginning and advanced art courses, teacher recommendation.

Portfolio courses enable students to develop a body of expressive works of art in a variety of media in drawing. Portfolio I is a fall companion to the spring AP Drawing course where students create 24 – 36 artworks in a breadth portion of the AP Portfolio. Characteristics and uses of portfolios in visual arts will be addressed with emphasis on presentation. Critical analysis, career connections, and portfolio management will be included. These courses provide students an advanced understanding of the aesthetics and creative factors of art forms through instruction in two dimensional art forms. The courses will concentrate on individual skill development resulting in a variety of sophisticated, original, and creative works of art.

Portfolio Development 2-D Honors**Grade 12****0109320**

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS ADMISSN
1.0	N	N	N			

Prerequisite(s): A variety of beginning and advanced art courses, teacher recommendation.

Portfolio courses enable students to develop a body of expressive works of art in a variety of media. Portfolio Development 2D is a fall companion to the spring AP Design Portfolio where students create 24 – 36 artworks in a breadth portion of the AP Portfolio. Characteristics and uses of portfolios in visual arts will be addressed with emphasis on presentation. Critical analysis, career connections, and portfolio management will be included. These courses provide students an advanced understanding of the aesthetics and creative factors of art forms through instruction in two dimensional art forms. The courses will concentrate on individual skill development resulting in a variety of sophisticated, original, and creative works of art.

AP Art Drawing Portfolio**Grade 11****0104300**

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1	Y	X4	C	C	N	E

Prerequisite(s): A variety of beginning and advanced 2-D art courses, Teacher recommendation.

The purpose of this Advanced Placement course is to give an art student the opportunity to develop quality, concentration and breadth in drawing concepts, skills, and techniques. The content should include, but not be limited to, the experiences in the development of perceptual, conceptual, and technical aspects of drawing, painting and/or printmaking. Preparation of the appropriate number of works, digital (or slide) documentation, and presentation techniques are required in each of three portfolio sections to be evaluated by The College Board. Research analysis, sketchbook/journal, and aesthetic and historical criticism are required for this in-depth study in non-linear thinking.

AP Studio Art 2-D**Design Portfolio****Grade 12****0109350**

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1	Y	X4	C	C	N	E

Prerequisite(s): A variety of beginning and advanced 2-D art courses, Teacher recommendation.

The purpose of this Advanced Placement course is to give advanced students the opportunity to develop quality, concentration and breadth in a very broad interpretation of two-dimensional (2-D) design issues. This type of visual communication involves purposeful decision-making about how to use the elements and principles of art in skillful and integrative ways. Preparation of the appropriate number of works, digital (or slide) documentation, and presentation techniques are required in each of three portfolio sections to be evaluated by the College Board. Research analysis, sketchbook/journal, and aesthetic and historical criticism are required for this in-depth study in non-linear thinking.

Portfolio III – Visual Arts**Grade 12****0109330**

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS ADMISSN
1.0	N	N	Y	C	N	E

Prerequisite(s): A variety of beginning and advanced art courses, teacher recommendation.

Portfolio courses enable students to develop portfolios of expressive works of art. Portfolio III gives an advanced student the opportunity to develop art work more fully in a direction of their own choice with approval from the instructor. Critical analysis, career connections, and portfolio management will be included. Portfolios provide students an advanced understanding of the aesthetics and creative factors through instruction in two dimensional art forms. The courses will concentrate on individual skill development resulting in a variety of sophisticated, original, and creative dimensional works of art.

Portfolio III –Motion & Experimental Animation**Grade 12****0109330**

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS ADMISSN
1.0	N	N	Y	C	N	E

Prerequisite(s): A variety of beginning and advanced art courses, teacher recommendation.

The purpose of this hands-on, interactive course is to focus on the real world skills and knowledge base that a student would need to cultivate a strong foundation for a career in film and entertainment industry.

The content should include, but not be limited to, the following:

- Introduction to the historical/cultural/social context and development of visual technology (i.e. graphic design, display design, animation, special effects and editing)
- Aesthetic and critical analysis
- Product development
- Industries and careers
- Professional growth and development

This course-curriculum is aligned with the appropriate arts standards in the Sunshine State Standard. The district must adopt course student performance standards, and they must reflect appropriate Sunshine State Standards.

English

Four (4) Credits are required for graduation

Applied Communications

Grade 9

1001460

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	N	N	N	C	N	E

Prerequisite(s): No Prerequisite

In this course, students develop competence in communication skills within the context of career, workplace, and community. The content includes using problem solving skills and research skills primarily in career and occupational contexts, using reading strategies to obtain and analyze information from a variety of informational and technical texts and understanding interpersonal relationships in business environments through the study of literature. Student use the writing process to communicate information and ideas with an emphasis on career and occupational tasks. Students use multimedia and electronic tools needed for workplace transactions.

English I

Grades 9 – 12

1001310

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	N	C	N	C	N	C

Prerequisite(s): None

This course provides instruction in English language skills including reading, writing, speaking, vocabulary, and listening in the content areas of literature and language. Students read and analyze short stories, drama, and essays. Composition focuses on the writing proves, particularly essay construction. The study of language includes usage, mechanics, spelling, and other elements of standard written English.

English Honors I

Grades 9 – 12

1001320

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	Y	C	N	C	N	C

Prerequisite(s): Teacher Recommendation

This course includes instruction in critical thinking, reading, speaking, and vocabulary, listening and writing skills. Composition instruction focuses on using the writing process in creative, logical and critical modes. Formal speaking experiences are provided, and the critical skills of listening and observing are emphasized. Literature studies include the short story, drama, poetry, essay and novel. The study of language includes usage, mechanics, spelling, and other elements of standard written English. The level of discourse in classroom discussion emphasizes analysis, synthesis, and evaluation.

English II

Grades 9 – 12

1001320

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	N	C	N	C	N	C

Prerequisite(s): English I

The course includes instruction in reading and vocabulary necessary for comprehension of printed materials. Composition instruction focuses on the writing of essays for various purposes and audiences, using literary and non-literary subjects. The study of mass media includes an analysis of propaganda and persuasion techniques. Speech instruction includes analysis of effective techniques in oral presentations. The study of language includes usage, mechanics, spelling, and other elements of standard written English.

English Honors II**Grades 9 – 12****1001350**

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	Y	C	N	C	N	C

Prerequisite(s): English I or English Honors I and Teacher Recommendation.

This course includes instruction in universal themes found in literature as well as the critical analysis of various genres in that literature. Composition emphasizes creative, logical, and critical aspects of writing using standard English. Formal and informal speaking opportunities are provided. Vocabulary study focuses on verbal analogies and other patterns commonly found on standardized tests. The study of language includes usage, mechanics, spelling, and other elements of standard written English. The level of discourse in classroom discussion emphasizes analysis, synthesis, and evaluation.

English III**Grade 11****1001370**

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	N	C	N	C	N	C

Prerequisite(s): English II

This course includes composition instruction with frequent practice in writing multiple-paragraph essays in a variety of types, including literary analysis and a brief documented paper. Listening, speaking, and writing assignments relate, when appropriate, to the study of American literature. Literature study includes the analysis of various examples of literary works. The emphasis should be on the works of American authors; however, literature representation of other cultures may be used to support integrated studies and multicultural emphasis. Reference skills and methods of summarizing information are taught. Vocabulary study focuses on verbal analogies and other patterns commonly found on standardized tests. The study of language includes usage, mechanics, spelling, and other elements of standard written English.

English Honors III**Grade 11****1001380**

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	Y	C	N	C	N	C

Prerequisite(s): English II or English Honors II and Teacher Recommendation

This course includes composition instruction with frequent practice in writing multiple-paragraph essays in a variety of types, including literary analysis and a brief documented paper. Literature study includes the written and oral analysis of American literary works representing the ethnic and cultural diversity of the American experience or world cultures. Reference skills and methods of summarizing information are taught. Formal and informal oral communication activities are provided. The study of language includes usage, mechanics, spelling, and other elements of standard written English. The level of discourse in classroom discussion emphasizes analysis, synthesis, and evaluation.

English IV: Florida College Prep**Grade 12****1001405**

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	N	C	N	C	N	Y

This course incorporates reading and writing study through writing a variety of informative text using grade-level writing craft and through the in-depth reading and analysis of informational selections in order to develop critical reading and writing skills necessary for success in college courses. This course prepares students for successful completion of Florida college English courses. The benchmark reflect the Florida College Competencies necessary for entry-level college courses and are also related to the College and Career Readiness (CCR) anchor standards, the exit standards of Florida's K-12 Common Core Standards.

English IV Honors**Grade 12****1001410**

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	Y	C	N	C	N	C

Prerequisite(s): English Honors or higher and Teacher Recommendation

The Advanced Placement course in English Literature and Composition is a college-level study of literature and writing. Students learn how to use the modes of discourse and to recognize assumptions underlying various rhetorical strategies. Through reading, discussion, writing, and listening, students engage literary texts through the resources of language, including literary devices. This course prepares students to take the national Advanced Placement exam which many colleges use to award college credits.

Advanced Placement**Language and Composition****Grade 11****1001420**

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	Y	C	N	C	N	C

Prerequisite(s): English Honors III or higher and Teacher Recommendations

The Advanced Placement course in English Language and Composition is a college-level study of language and writing. Students study rhetoric in a variety of genres to analyze how authors use language. The Course emphasizes nonfiction and argumentative writing as preparation for taking the national Advanced Placement exam which many colleges use to award college credits. Mature writing skills are necessary for success in this course.

Advanced Placement English**Literature and Composition****Grade 12****1001430**

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	Y	C	N	C	N	C

Prerequisite(s): English Honors or higher and Teacher Recommendation

The Advanced Placement course in English Literature and Composition is a college-level study of literature and writing. Students learn how to use the modes of discourse and to recognize assumptions underlying various rhetorical strategies. Through reading, discussion, writing, and listening, students engage literary texts through the resources of language, including literary devices. This course prepares students to take the national Advanced Placement exam which many colleges use to award college credits.

Health and Physical Education

One (1) Credit required for graduation

Health Options through
Physical Education (H.O.P.E.)

Grade 9

3026010

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	Sus Admissn
1.00	N	N	N	C	N	N

Prerequisite(s): No Prerequisite

Students will develop and learn healthy behaviors that will influence lifestyle choices and student health and fitness.

Math

Four (4) credits are required for graduation. One must be Algebra I.

Algebra I		Grade 9			1200310	
Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS ADMISSN
1.00	N	C	N	C	N	C

Prerequisite(s): No Prerequisite

This course is a study of the topics of Algebra I designed to develop the algebraic concepts and processes that can be used to solve a variety of real-world mathematics problems. The content will include: structure and properties of the real number system; varied means for analyzing and expressing patterns, relations and functions; variables, algebraic expressions and polynomials; geometric concepts; data analysis concepts and techniques; and varied solution strategies, algebraic and graphic, solutions for inequalities, linear and quadratic equations, and for systems of equations. Calculators and computers will serve as instructional tools in concept development.

Algebra I Honors		Grade 9			1200320	
Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	Y	C	N	C	N	C

Prerequisite(s): No Prerequisite

This course is a rigorous in-depth study of the topics of Algebra I designed to develop the algebraic concepts and processes that can be used to solve a variety of real-world mathematics problems. The content will include: structure and properties of the real number system; varied means for analyzing and expressing patterns, relations and functions; variables, algebraic expressions and polynomials; geometric concepts; data analysis concepts and techniques; and varied solution strategies, algebraic and graphic, for inequalities, linear and quadratic equations, and for systems of equations. Calculators and computers will serve as instructional tools in concept development. Credit in Algebra I Honors precludes credit in Algebra IA and Algebra IB, Algebra I, Applied Mathematics I and II, and Integrated Mathematics I & II.

Algebra II		Grades 9-12			1200330	
Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	N	C	N	C	N	C

Prerequisite(s): Algebra I or equivalent

This course is designed to continue the study of the structure of algebra and to provide the foundation for applying these skills to other mathematical and scientific fields. The content will include structure and properties of the complex number system, sequences and series, relations, functions and graphs, varied solution strategies for linear equations, inequalities, and systems of equations and inequalities, conic sections and their applications, data analysis, reinforcement of geometric concepts, and probability. Calculators and computers will serve as instructional tools in concept development.

Algebra II Honors**Grades 9-12****1200340**

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	Y	C	N	C	N	C

Prerequisite(s): Algebra I or equivalent

This course is a rigorous in-depth study of the topics of Algebra II with emphasis on theory, proof, and development of formulas, as well as their application. The content will include structure and properties of the complex number system, sequences and series, relations, functions and graphs, varied solution strategies for linear equations, inequalities, and systems of equations and inequalities, conic sections and their applications, data analysis, and probability. Calculators and computers will serve as instructional tools in concept development.

Geometry**Grades 9-12****1206310**

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	N	C	N	C	N	C

Prerequisite(s): Algebra I or equivalent

The purpose of this course is to develop the geometric relationships and deductive strategies that can be used to solve a variety of real world and mathematical problems. The content will include Euclidean geometry of lines, planes, angles, triangles, construction and logic, and properties of circles, polygons, right triangle trigonometry, and reinforcement of algebraic concepts. Calculators and computers will serve as instructional tools in concept development.

Geometry Honors**Grades 9-12****1206320**

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	Y	C	N	C	N	C

Prerequisite(s): Algebra I or equivalent

This course is designed to give a rigorous in-depth study of geometry with emphasis on methods of proof and the mathematics. The content will include the following: structure of geometry; separation properties; angle c quadrilaterals; proofs, perpendicularity and parallelism in a plane and in space; similar polygons; circles and sphe area and volume; coordinate geometry, and topology. Calculators and computers will serve as instructional development.

Pre-Calculus**Grades 9-12****1202340**

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUSAdmissn
1.00	Y	C	N	C	N	C

Prerequisite(s): Successful completion of Geometry and Algebra II

Study of trigonometric and circular functions and their applications. Topics include trigonometric identities, graphs of trigonometric functions, inverses, equations and solutions of triangles. Stresses relationships among topics of algebra, geometry, and trigonometry and uses these relationships in preparation for calculus. Topics include graphs, curve sketching, vectors, the conic sections, including translation and rotation of axes, equations and graphs of curves on polar form, analytic proofs, and parametric equations.

A P Calculus AB**Grades 9 – 12****1202310**

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1	Y	C	C	C	N	C

Prerequisite(s): Math Analysis/Pre-Calculus

This course is designed to offer students college-level mathematics under the guidelines of the Advanced Placement Program. The focus is on preparation for the Calculus Level AB Test given by the College Examination Board in May. Study will begin by reviewing function definitions, absolute value, and elementary functions from prerequisites. Calculators and computers will serve as instructional tools in concept development.

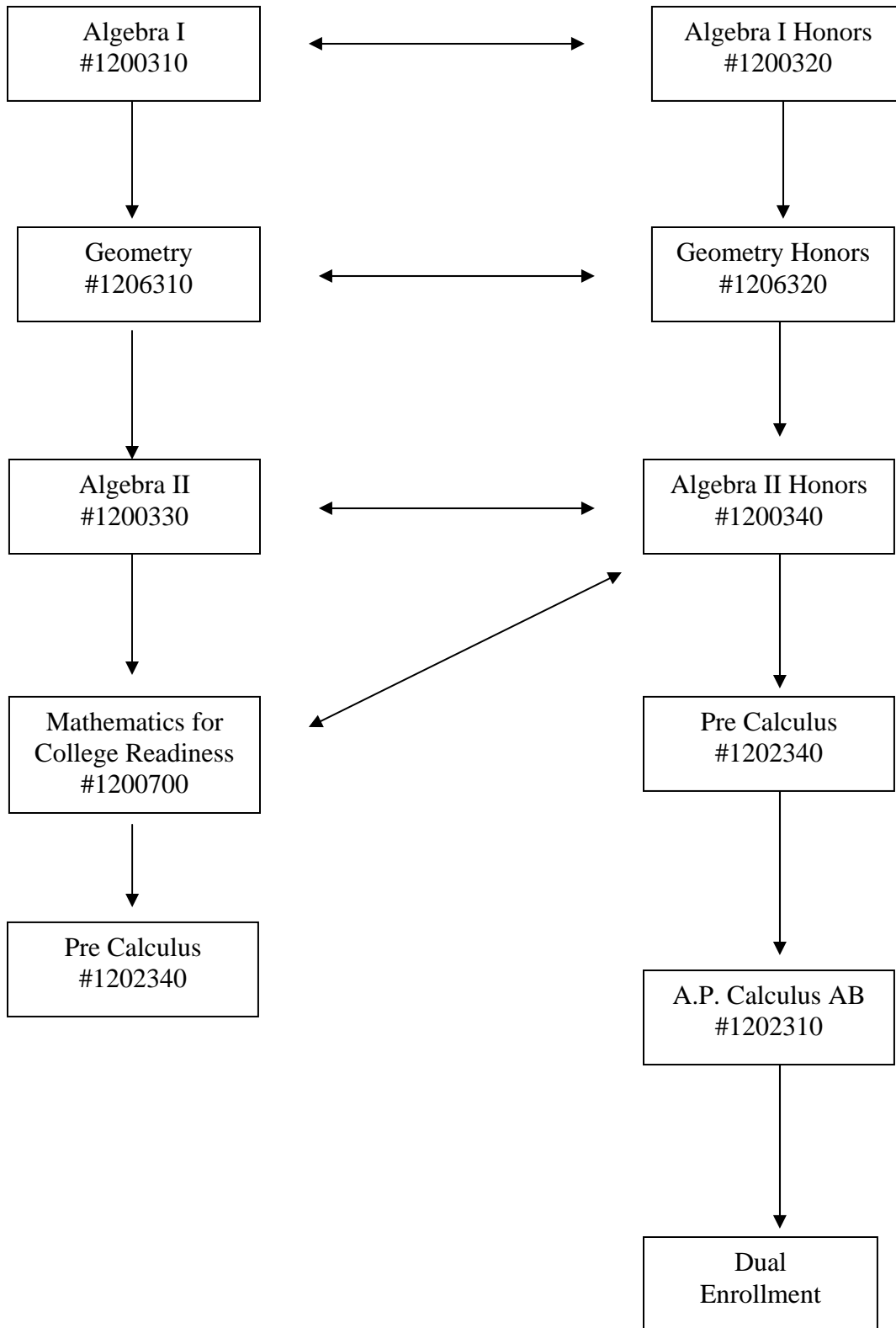
Mathematics for College Readiness**Grade (11) 12****1200700**

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1	N	C	N	C	N	C

Prerequisite(s): Algebra I, II, and Geometry

This course incorporates the Common Core Standards for Mathematical Practices as well as the following common Core Standards for Mathematical Content: an introduction to functions, linear equations and inequalities, solving systems of equations, rational equations and algebraic fractions, radicals and rational exponents, factoring and quadratic equations, complex numbers, and the Common Core Standards for High School Modeling. The benchmarks reflect the Florida College Competencies necessary for entry-level college courses.

SPHS Mathematics Sequencing



Science

Three (3) credits are required for graduation.

Physical Science Grades 9 – 12 2003310

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	N	C	N	C	N	C

Prerequisite(s): No Prerequisite

The purpose of this course is to provide opportunities to study the concepts of basic chemistry, physics and earth science. The content will include, but is not limited to the following: the nature of science, structure of the atom, structure and properties of matter, chemical reactions, entropy and conservation of matter, interactions of energy and matter, the universe and planet Earth. Laboratory activities are an integral part of this course.

Physical Science Honors Grades 9 – 12 2003320

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	Y	C	N	C	N	C

Prerequisite(s): No Prerequisite

The purpose of this advanced course is to provide opportunities to study the concepts of basic chemistry, physics and earth science. The content will include, but is not limited to the following: the nature of science, structure of the atom, structure and properties of matter, chemical reactions, entropy and conservation of matter, interactions of energy and matter, the universe and planet Earth. Laboratory activities are an integral part of this course.

Biology I Grades 9 – 12 2000310

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUSAdmissn
1.00	N	C	N	C	N	C

Prerequisite(s): No Prerequisite

This course provides students with exploratory activities, laboratory experiences and real-life applications in the biological sciences. The content includes the following concepts: nature of science, matter, energy, chemical processes of life, reproduction and communication of cells, basic study of genetics, organization, classification and taxonomy, structure, reproduction and function of plants, animals, and microorganisms, interdependence of living things, adaptations, and the impact of technology on society. Preserved animal studies may be a part of this course.

Biology I Honors Grades 9 – 12 2000320

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	Y	C	N	C	N	C

Prerequisite(s): No Prerequisite

This advanced course provides integrated laboratory experiences and real-life applications in the essential processes of life. The content includes the nature of science, matter, energy, biochemistry, cell biology, genetics, levels of organization and classification, structure, function and reproduction of plants, animals, and microorganisms, behavior of organisms, interrelationships among organisms, biological selection, adaptations and changes through time. Laboratory investigations will include the use of the scientific method, measurement, observations, predictions, reasoning, and problem solving skills. Preserved animal studies may be a part of this course.

Chemistry I		Grades 9 – 12				2003340	
Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn	
1.00	N	C	N	C	N	C	

Prerequisite(s): Algebra I

This course involves the study of the composition, properties, and changes associated with matter. The content includes the classification and structure of matter, atomic theory, periodic table, bonding, chemical formulas, chemical reactions and balanced equations, behavior of gases, and physical changes. Selected laboratory investigations include the use of the scientific method, measurement, laboratory apparatus, and safety.

Chemistry I Honors		Grades 9 – 12				2003350	
Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn	
1.00	Y	C	N	C	N	C	

Prerequisite(s): Algebra I

This advanced course involves the study of the composition, properties and changes of matter, atomic structure, the periodic table, bonding, gas laws, energy and order, reaction rates and equilibrium, solutions, nuclear, electric, and organic chemistry. Selected laboratory activities include the use of the scientific method, measurement, laboratory apparatus, and safety.

Advanced Placement Environmental Science		Grade 12				2001380	
Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn	
1.00	Y	C	C	C	N	C	

Prerequisite(s): Biology I or Biology I Honors

The purpose of this course is to study the interaction of man with the environment. The content includes scientific analysis, fundamental principles and concepts about the interdependence of earth's systems, population dynamics, environmental quality, global changes and their consequences. Laboratory investigation of selected topics include the use of the scientific method, measurement, laboratory apparatus, and safety.

Physics		Grade 12				2003380	
Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn	
1.00	N	C	N	C	N	C	

Prerequisite(s): Algebra I

This course provides a foundation of the concepts, theories and laws governing the interaction of matter, energy and the forces of nature. The content includes kinematics, dynamics, energy, work and power, heat and thermodynamics, waves, light electricity, magnetism, nuclear physics, and sound. Laboratory investigations of selected topics include the use of the scientific method, measurement, laboratory apparatus, and safety.

Physics Honors		Grade 12				2003390	
Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn	
1.00	Y	C	N	C	N	C	

Prerequisite(s): Algebra II or Algebra II Honors

This advanced course provides a rigorous study of the concepts, theories and laws governing the interaction of matter, energy, and the forces of nature. The content includes kinematics, dynamics energy, work and power, heat and thermodynamics, waves, light, electricity, magnetism, nuclear physics, and sound. Laboratory investigations of selected topics include the use of the scientific method, measurement, laboratory apparatus, and safety.

Marine Science I**Grade 12****2002500**

Max Credits	Wghd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	N	C	N	C	N	C

Prerequisite(s): Biology I or Biology I Honors

The purpose of this course is to provide an overview of the marine environment. The content includes the nature of science, the origins of the oceans, the chemical and physical structure of the marine environment, ecology of the various sea zones, marine communities, and the interrelationship between man and the ocean. Laboratory investigations will include the use of the scientific method, measurement, laboratory apparatus and safety procedures. Preserved specimens may be a part of this course.

Social Studies

Three (3) Credits required for graduation

American Government			Grade 9			2106310
Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
.50	N	C	N	C	N	C

Prerequisite(s): No Prerequisite

The purpose of this course is to enable students to gain an understanding of American government and political behavior that is essential for effective citizenship and active involvement in a democratic American society.

Economics			Grade 9			2102310
Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
.50	N	C	N	C	N	C

Prerequisite(s): No Prerequisite

The purpose of this course is to provide students with the knowledge and decision-making tools necessary for understanding how society organizes its limited resources to satisfy its wants. Students will gain understanding of choices they must make as producers, consumers, investors, and taxpayers.

World History			Grade 10			2109310
Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	N	C	N	C	N	C

Prerequisite(s): No Prerequisite

The purpose of this course is to enable students to understand their connections to the development of civilizations by examining the past to prepare for their future as participating members of a global community. Students will use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures, and humanities to solve problems in academic, civic, social, and employment settings.

World History Honors			Grade 10			2109320
Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	Y	C	N	C	N	C

Prerequisite(s): No Prerequisite

The purpose of this course is to enable students to understand their connections to the development of civilizations by examining the past to prepare for their future as participating members of a global community. Students will use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures, and humanities to solve problems in academic, civic, social, and employment settings.

Note: Individual students may choose to challenge the AP World History and/or AP European History exams.

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

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	N	C	N	C	N	C

Prerequisite(s): No Prerequisite

This course consists of the following content area strands: United States History, Geography, and Humanities. The primary content emphasis for this course pertains to the study of United States history from Reconstruction to the present day. Students will be exposed to the historical, geographic, political, economic and sociological events which influenced the development of the United States and the resulting impact on world history. So that students can clearly see the relationship between cause and effect in historical events, students should have the opportunity to review those fundamental ideas and events which occurred before the end of Reconstruction.

Advanced Placement**United States History****Grade 11****2100330**

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	Y	C	C	C	N	C

Prerequisite(s): None

The purpose of this course is to trace the development of the United States within the context of history by examining connections to the past to prepare for the future as participating members of a democratic society. Students use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures and humanities to solve problems in academic, civic, social and employment settings.

World Language

Spanish I **Grade 10** **0708340**

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	N	C	N	E	N	C

Prerequisite(s): No Prerequisite

The purpose of this course is to introduce students to the target language and its culture and to develop communicative skills and cross-cultural understanding. The content includes beginning skills in listening and speaking with special attention to pronunciation. An introduction to reading and writing is included, as well as the fundamentals of grammar and culture.

Spanish II **Grade 10** **0708350**

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	N	C	N	E	N	C

Prerequisite(s): Spanish I

The purpose of this course is to reinforce the fundamental skills acquired previously by the students. This course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. The content includes an expansion of listening and oral skills. Reading and writing receive more emphasis, while oral communication remains the primary objective. This course continues the cultural survey of Spanish-speaking people.

Spanish III **Grade 10** **0708360**

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	Y	C	N	E	N	C

Prerequisite(s): Spanish II

The purpose of this course is to master and expand the skills acquired previously by the students. The content includes expansion of vocabulary and conversational skills through discussions based on selected readings. By analyzing reading selections, students acquire and strengthen grammatical concepts. Contemporary vocabulary is emphasized through activities imitating the everyday life of Spanish-speaking people.

NOTE: Students who successfully completes High School credit for Spanish I while in Middle School will be tested for appropriate course placement. Students who place in the sequence of Spanish II / Spanish III will be required to complete summer review curriculum.

Chinese I**Grade 10****0711300**

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	N	C	N	E	N	C

Prerequisite(s): Minimum 3.0 weighted GPA and B or high in English or English I Honors

The purpose of this course is to reinforce the fundamental skills previously acquired by the students. This course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Reading and writing receive more emphasis, while oral communication remains the primary objective.

Chinese II**Grade 10****0711310**

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	N	C	N	E	N	C

Prerequisite(s): Chinese I

This course reinforces the fundamental skills previously acquired by students of Chinese I. This course develops increased listening, speaking, reading, and writing skills, as well as cultural awareness. Reading and writing receive more emphasis, while oral communication remains the primary objective.

Directed Study

Each CTE Program has associated Directed Study for Internships (non-paid) and/or Capstone courses (independent research project), as well as OJT (On-the-job) for paid work experience. Career Internship or Directed Study On-The-Job training (paid) must be related to CTE.

OJT = paid work experience

Capstone = independent research project

Internship = non-paid

On The Job (OJT) (paid position)			Grade 12			
Max Credits	Wgtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
2.0 *	N	N	E	C	Y	E

* This course is scheduled on the block schedule (every day) during 1st or 4th block.
 * Student **completing 225 hours of work experience** will receive 1.0 credit for the semester.
 * This course may be selected for both semesters

Prerequisite(s): Completion of a Career Technical Education (CTE) Program or in completion year of CTE program.

This course is designed to give students an opportunity to apply and integrate the knowledge, skills, and abilities acquired during their School-Based Experience to actual work situation.

NOTE: Students who elect OJT must secure and have proof of their employment placement on/before June 1, 2012. **See page 36.**

Career Internship or Directed Study (non-paid position)			Grade 12			
Max Credits	Wgtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
2.00*	N	N	E	C	N	N

* If this course is taken on the alternating day schedule (every other day), student will receive .5 credit for the semester.
 * If this course is taken on the block schedule (every day), student will receive 1.0 credit for the semester.
 * This course may be selected for both semesters.

Prerequisite(s): Completion of a Career Technical Education (CTE) Program or in completion year of CTE program.

This course is designed to give students an opportunity to apply and integrate the knowledge, skills, and abilities acquired during their School-Based Experience to actual work situation.

**Suncoast Polytechnical High School
Work-Based Experience Contact Datasheet
Class of 2013**

Name:	Summer Telephone #:	Cell # (if different):
Current email address:		
Permanent address, city, state & zip or P.O. Box:		
Summer address, city, state & zip or P.O. Box (if different):		
Career major(s) completed or being completed:		
Do you already have a part-time job that fits your CTE Major?		
Yes (<input type="checkbox"/>) No (<input type="checkbox"/>) I don't know if my job fits or not (<input type="checkbox"/>)		
What is your job?		
What is the name of the business where you work?		
What is your supervisor's name and telephone number?		
Workplace address, city, state & zip		
If you have contact information for a part-time, CTE-related job or internship you want, please describe it and provide the following information: business name; address; telephone number; name of supervisor or owner.		
Your comments or questions regarding Work-based Experience:		
1/30/2012		

Career & Technical Education (CTE)

Technology Studies ~

Technology Studies II (2012 – 2013)

Grade 10 ~ Class of 2015

8600610

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1	N	N	E	C	Y	E

This program provides students with an intermediate understanding of the knowledge, human relations, and technological skills found today in technical professions.

Technology Studies III (2012 – 2013)

Grade 10 ~ Class of 2015

8600710

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1	N	N	E	C	Y	E

This program provides students with an intermediate understanding of the knowledge, human relations, and technological skills found today in technical professions.

Scientific Visualization Program ~ Beginning with the Class of 2016 ~

Introduction to Information Technology

Grade 9

8207310

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1.00	N	N	E	C	Y	E

Prerequisite(s): No Prerequisite.

This course is designed to provide an introduction to 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; basic HTML, DHTML, and XML, web commands and design; and emerging technologies and Web page design.

Principles of Scientific Visualization (2013 – 2014)

Grade 10

9400110

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1	N	N	E	C	Y	E

This course provides students with instruction in the evolution and underlying principles of scientific visualization, including two-dimensional representation of scientific and other forms of data. Included in the content is the use of color and other graphical elements such as vector and bitmap images in different presentation techniques. Students will also learn about the use of charts and graphs in representing data and the software tools used to produce them.

Data Modeling		(2013 – 2014)		Grade 10		9400120
Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1	N	N	E	C	Y	E

In this course, students learn about the nature of data and various tools and techniques used in different industries to retrieve, render, and display 2-D and 3-D data. Students are provided instruction in the concepts and techniques associated with rendering dynamic or changing data as animation. They are also introduced to various imaging techniques used to different industries, their implications, applications, and challenges.

Advanced Applications in Scientific Visualization		(2015 – 2016)		Grade 12		9400130
Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1	N	N	E	C	Y	E

This course provides students with instruction in advanced imaging techniques relative to both static and dynamic visualization. In addition to digital imaging, students receive instruction in video editing and the integration of animated 3-D rendered data model. Students will create visualizations related to biological cells, plate tectonics, DNA and gel electrophoresis, and one of simple machines.

SciViz Internship		(2015 – 2016)		Grade 12		8600710
Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn
1	N	N	E	C	Y	E

The SciViz internship course provides students with the opportunity to stimulate their career interest, to demonstrate human relations, communications, and employability skills, and to gain professional job experience related to a career in scientific visualization related to an industry of their choosing. Students will enhance and apply instructional competencies learned in the classroom through the internship experience.

Technology Studies / Scientific Visualization					
CLASS OF	SCHOOL YEAR	Grade	Path	Course #	Course Name
2015	2012-2013	10	General	8600610	Technology Studies II AND
				8600710	Technology Studies III
2016	2012-2013	9	General	8207310	Introduction to Information Technology
	2013-2014	10	General	9400110	Principles of Scientific Visualization
				9400120	Data Modeling
2015-2016	12	Elective	Elective	9400130	Advanced Applications in Scientific Visualization AND
				9400140	SciViz Internship

General Business at SPHS

Introduction to Business

(Dual Enrollment w/ State College of Florida)

Grades 10 – 12

GEB 1011

Max Credits	Wghtd	FAS/FMS	IB	4YR/GSV	CTE	SUS Admissn

This is an introductory course in general business terminology and in understanding the agencies, methods, functions and practices of modern businesses with their resultant effects on the economic and social life of the nation.

Associates of Arts (A.A.) ~ Dual Enrollment with State College of Florida

Suncoast Polytechnical High School
DUAL ENROLLMENT (DE) PROGRAM AT SPHS
QUALIFYING CRITERIA FOR 2011 - 2012



Students must meet the following **minimum requirements**:

- Have a minimum **unweighted** 3.0 cumulative grade point average (GPA) to be eligible to apply for the DE Program
- Maintain a GPA of 3.0 (unweighted) to continue in the DE Program.
- Achieve a qualifying score on the P.E.R.T., SAT, or ACT:

College Level Reading

P.E.R.T.: 104+

ACT: 18+

SAT: 440+ on Verbal/Critical Reading

STEPS TO FOLLOW WHEN TAKING A DE COURSE AT SPHS

- 2012 – 2013 DE course at SPHS is: GEB1011
- Complete, with parent/guardian signature, and submit to the main office an Application for Early College admission to State College of Florida (SCF) ASAP. Forms are available in the main office.
- When scheduling an individual time to take the P.E.R.T. at the **SCF Assessment and Testing Center** (Bradenton or Venice), you must schedule the test online at scf.edu/testing. It is very important that you register for the Dual Enrollment placement test (not the menu selection called “placement test”). Students must have their SCF “G” number prior to scheduling their P.E.R.T. assessment.

SPHS students must complete qualifying testing and required documentation on/before May 23, 2012. This deadline will ensure that the required documentation is received by SCF by the above deadline and prior to the end of the 2011-2012 school year.

Signature Career & Technical Programs

Animation, Game Art & Simulation Department

This program is designed to prepare the student for entry into a career in visual art at either a computer game development studio or a feature film studio. The goal of the curriculum is to teach students the fundamentals of art and design, and help them build a digital portfolio of their work for submission to the college of their choice. Using 21st century technology, students will explore drawing, painting, and sculpting techniques for the purposes of character and environment design, as well as complex concepts in game design and interactive media.

Students who successfully complete this program will be well-prepared candidates for colleges that can teach them to become 3D modelers, texture artists, environment artists, animators, level designers, concept artists, visual artists and art directors.

*Teacher recommendation required to enter into A/G/S Department.

Grade 10

Game & Simulation Foundations

8208110

This course essentially provides the basic foundations of games and simulations, their common traits and differences, development methodologies and tools, careers, and industry-related information. This course also covers strategies, processes, and methods for conceptualizing a game or simulation application, storyboarding techniques, and development tools.

Game & Simulation Design

8208120

This course covers fundamental principles of designing a game or a simulation application, in particular HCI principles, rules and strategies of play, conditional branching, design and development constraints, use of sound and animation, design tools, and implementation issues.

Grade 11

Game & Simulation 2-D Graphic Development

8208130

This course is focused on students acquiring skills to create, refine, and integrate realistic 2D graphics into a game or simulation product. Students will essentially learn how to use a graphic software package, file maintenance strategies, and migration techniques and issues.

Game/Simulation Programming

8208330

This course is focused on students acquiring the appropriate programming skills for rendering a game or simulation product, including program control, conditional branching, memory management, scorekeeping, timed event strategies and methodologies, and implementation issues.

Portfolio I

0109310

Portfolio courses enable students to develop a body of expressive works of art in a variety of media in drawing. Portfolio I is a fall companion to the spring AP Drawing course where students create 24 – 36 artworks in a breadth portion of the AP Portfolio. Characteristics and uses of portfolios in visual arts will be addressed with emphasis on presentation. Critical analysis, career connections, and portfolio management will be included. These courses provide students an advanced understanding of the aesthetics and creative factors of art forms through instruction in two dimensional art forms. The courses will concentrate on individual skill development resulting in a variety of sophisticated, original, and creative works of art.

A P Art Drawing Portfolio

0104300

The purpose of this Advanced Placement course is to give an art student the opportunity to develop quality, concentration and breadth in drawing concepts, skills, and techniques. The content should include, but not be limited to, the experiences in the development of perceptual, conceptual, and technical aspects of drawing, painting and/or printmaking. Preparation of the appropriate number of works, digital (or slide) documentation, and presentation techniques are required in each of three portfolio sections to be evaluated by The College Board. Research analysis, sketchbook/journal, and aesthetic and historical criticism are required for this in-depth study in non-linear thinking.

Grade 12

3-D Graphic Animations

8208140

This course is focused on students acquiring skills to create, refine, and integrate realistic 3D graphics into a game or simulation product. Students will essentially learn how to use a 3D animation software package, file maintenance conventions, and migration techniques and issues.

Multi-User Game/Simulation Programming

8208340

This course is focused on students acquiring the appropriate programming skills for rendering a game or simulation product, including program control, conditional branching, score-keeping, timed event strategies and methodologies, and implementation issues specific to multi-user game/simulation products.

Portfolio Development 2-D Honors

0109320

Portfolio courses enable students to develop a body of expressive works of art in a variety of media. Portfolio Development 2D is a fall companion to the spring AP Design Portfolio where students create 24 – 36 artworks in a breadth portion of the AP Portfolio. Characteristics and uses of portfolios in visual arts will be addressed with emphasis on presentation. Critical analysis, career connections, and portfolio management will be included. These courses provide students an advanced understanding of the aesthetics and creative factors of art forms through instruction in two dimensional art forms. The courses will concentrate on individual skill development resulting in a variety of sophisticated, original, and creative works of art.

Advanced Placement Studio Art

2/D Design Portfolio

0109350

The purpose of this Advanced Placement course is to give advanced students the opportunity to develop quality, concentration and breadth in a very broad interpretation of two-dimensional (2-D) design issues. This type of visual communication involves purposeful decision-making about how to use the elements and principles of art in skillful and integrative ways. Preparation of the appropriate number of works, digital (or slide) documentation, and presentation techniques are required in each of three portfolio sections to be evaluated by the College Board. Research analysis, sketchbook/journal, and aesthetic and historical criticism are required for this in-depth study in non-linear thinking.

ELECTIVES ~

Portfolio III – Visual Arts

0109330

Portfolio courses enable students to develop portfolios of expressive works of art. Portfolio III gives an advanced student the opportunity to develop art work more fully in a direction of their own choice with approval from the instructor. Critical analysis, career connections, and portfolio management will be included. Portfolios provide students an advanced understanding of the aesthetics and creative factors of art forms through instruction in two dimensional art forms. The courses will concentrate on individual skill development resulting in a variety of sophisticated, original, and creative dimensional works of art.

Portfolio III –Motion & Experimental Animation**0109330**

The purpose of this hands-on, interactive course is to focus on the real world skills and knowledge base that a student would need to cultivate a strong foundation for a career in film and entertainment industry.

The content should include, but not be limited to, the following:

- Introduction to the historical/cultural/social context and development of visual technology (i.e. graphic design, display design, animation, special effects and editing)
- Aesthetic and critical analysis
- Product development
- Industries and careers
- Professional growth and development

This course-curriculum is aligned with the appropriate arts standards in the Sunshine State Standard. The district must adopt course student performance standards, and they must reflect appropriate Sunshine State Standards.

Biomedical Sciences

The goal of the program is to provide rigorous and relevant curriculum that is project and problem-based in order to engage and prepare high school students for the post-secondary education and training necessary for success in the wide variety of careers associated with the Biomedical Sciences including, physician, nurse, veterinarian, scientific and pharmaceutical researcher, therapist, and technician.

Principles of the Biomedical Sciences (PLTW I)

8708110

Students investigate the human body systems and various health conditions. This course is designed to provide an overview of all the courses in the biomedical Sciences program and lay the scientific foundation for subsequent courses. Students are introduced to human physiology, medicine, research processes and bioinformatics. Key biological concepts including homeostasis, metabolism, inheritance of traits, and defense against disease are embedded in the curriculum. Engineering principles including the design process, feedback loops, and the relationship of structure to function are also incorporated.

Human Body Systems (PLTW II)

8708120

Students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the role of biomedical professionals to solve medical mysteries.

Medical Intervention (PLTW III)

8708130

Students investigate the variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. The course is a “How-To” manual for maintaining overall health and homeostasis in the body as students explore: how to prevent and fight infection; how to screen and evaluate the code in human DNA; how to prevent, diagnose and treat cancer; and how to prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to the wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

Biomedical Innovation (PLTW IV)

8708140

In this capstone course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health.

Geospatial/Geographic Information Systems (GIS) Technology

This program is designed to prepare students for employment as a GIS Technology Assistant or a GIS Technician. Students are introduced to the concepts of Geospatial/Geographic Information System (GIS) and Remote Sensing (RS) Technology — an organized collection of computer hardware, specialized software, and geographic data designed to efficiently capture, store, update, manipulate, analyze, and display all forms of geographically referenced (spatial) information. Students will research and learn detailed information about global and local matters related to political, environmental, commercial, and other areas, through the use of specialized geospatial tools and products.

Intro to GIS/RS Technology

8600260

While learning about the basics from the evolution of maps and projections, to learning about the modern uses of a geographic information system, students will complete many “hands-on” activities such as creating their own maps using compasses, rulers and tape measures. Specific areas of focus for this course include fundamental GIS and remote sensing concepts, project management strategies, and essential basic computer skills. Students will acquire a basic understanding of geographic terms and concepts necessary for the appropriate use of GIS, including concepts of spatial variables, scale, map projection, and map coordinate systems. Students will also be exposed to the history of GIS, how GIS fits into overall information management systems, and a variety of applications in which GIS can contribute to analysis and decision-making. They will also use a software application used to simulate satellite movements and utilize data, imagery, and GIS software to study their state, county, and school campus.

Essential GIS Tools & Processes GIS/RS

8600270

Students in this course will use their knowledge of mapping and cataloging to complete numerous geospatial applications. They will learn techniques in displaying, managing, querying, symbolizing, and Create geospatial data. Students will learn the skills required to work on and/or build advanced GIS/RS projects.

Students will use remote sensing applications and data to develop skills that will allow them to take images and convert them to data that they will use for different types of analyses. The types of analyses will include using data in image analysis, feature extraction, vegetation mapping and change detection, and image enhancement.

GIS/RS Analysis & Modeling

8600280

This course covers Surface Analysis, 3D modeling, and working with street networks.

This course directs students through five types of applications in Surface Analysis. It focuses on the various methods and uses of displaying continuous, or grid, data over a surface. Students will be expected to map data such as elevation, rainfall and temperature – data that differs from one location to the next on the surface of the earth. The five types of analyses used in this course are: mapping distance, density, interpolation, surface analysis, and statistics. This course will conclude with a short project where students will use their newly acquired skills to perform surface analysis tasks to their local area.

Advanced GIS/RS Applications

8600290

This project-based, capstone course challenges students to apply all skills and techniques learned in the previous three courses to create their first extensive GIS and Remote Sensing project. In this project, students will work in teams to create a three-dimensional map of their campus using GIS and RS tools. Once the base map is completed, each student selects one of the designated campus-based projects to complete. Students will be involved with all parts of the process including problem identification, data collection using GPS units, determining the appropriate type of analysis to be conducted or type of project to address the problem statement, performing the analysis, Create their solution, and formally presenting the project to interested stakeholders. Each project integrates project planning, geographic problem solving, GIS/RS tools and software applications, project management, data creation, data manipulation, data analysis, report, and presentations. After successful completion of Introduction to GIS/RS Technology, Essential GIS Tools Processes, GIS Analysis & Modeling, and Advanced GIS Applications, students will have met Occupational Completion Point – Data Code B, GIS Analyst – SOC Code 17-3031.02.

Sarasota County School Board

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