Richard O. Jacobson
Technical High School

CURRICULUM GUIDE

2026-2027

CREATED BY IAN JEWETT

Richard O. Jacobson Technical High School

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Pinellas County Schools is an equal opportunity institution for education and employment. It is the policy of the School Board of Pinellas County that each student regardless of race, color, creed or religion, sex, marital status, national origin, age, disability, or sexual orientation has the right to an opportunity for an education.

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SCHOOL AT A GLANCE

School Name:	Richard O. Jacobson Technical High School at Seminole
Former School Names:	Pinellas Technical High School Career Academies of Seminole (CAS) Seminole Vocational Education Center (SVEC) Ag. Farm
School Hours:	*7:35 a.m. to 2:05 p.m.*
Mascot:	*Tech Titan*
School Colors:	*Navy Blue and Silver*
Student Population:	*585 Students*
Teachers on Staff:	*26*
Established	*1962*
Accreditation:	*Southern Association of Colleges & Schools*
Campus:	*State-of-the-art campus opened August 2018* *43 acres of land* *Conservancy area to be left untouched* *7 pastures* *3 ponds* *Veterinary Science Wing*

The photo on the left is a view from upper level. The area pictured on the right is our open classroom. Above are colored panels that help with sound control. Classrooms have large windows which allow view out

INDUSTRY CERTIFICATIONS

- **Microsoft Office certifications**
  - PowerPoint
  - Outlook
  - Word
  - Excel
  - Small Business & Entrepreneurship
  - Adobe Illustrator
  - Adobe Photoshop
  - My Florida Ready to Work

- **Building & Construction Technology**
  - NCCER – National Center for
  - Construction Education & Research
  - OSHA
  - AHA American Heart Association CPR
  - First Aid

- **Commercial & Digital Art**
  - Adobe Photoshop
  - Adobe Illustrator
  - Adobe InDesign
  - Small Business & Entrepreneurship

- **Electricity**
  - NCCER
  - OSHA
  - AHA American Heart Association CPR
  - First Aid

- **Game Simulation & Programming**
  - Information Technology Specialist (ITS)
  - Adobe Certified Associate:
    - Photoshop
    - Illustrator
  - Unity Certified User
    - Artist
    - Programmer
    - VR Developer
  - Project Management Ready
  - Autodesk
    - Maya Certified User
    - Maya Certified Professional

- **Marine Mechanics**
  - OSHA
  - Yamaha Inline Marine Maint.
  - Yamaha Mid-Range Marine Maint.

- **Nursing**
  - AHA American Heart Association CPR
  - Bloodborne Pathogens
  - First Aid
  - BLS for Healthcare Providers CPR
  - CCMA
  - EKG
  - LPN with pathway to PTC

- **Veterinary Assisting**
  - CVA – Certified Veterinary Assistant (by FVMA – Florida Veterinary Medical Association) **
  - AHA American Heart Assn CPR
  - First Aid

***May substitute for one math or science credit*

GRADUATION REQUIREMENTS

REQUIREMENTS FOR THE 24-CREDIT STANDARD DIPLOMA OPTION

English Language Arts (ELA) - 4 Credits
• ELA I, II, III, IV • ELA Honors, AP, AICE, IB and dual enrollment courses may satisfy this requirement
Mathematics - 4 Credits
• One of which must be Algebra I and one of which must be Geometry. • Industry certifications that lead to college credit may substitute for up to two mathematics credits (except for Algebra I and Geometry).
Science – 3 Credits
• One of which must be Biology I, two of which must be equally rigorous science courses. • Two of the three required credits must have a laboratory component. • An industry certification that leads to college credit substitutes for up to one science credit (except for Biology I). • An identified rigorous computer science course with a related industry certification may substitute for up to one science credit (except Biology I).
Social Studies – 3 Credits
• One credit World History • One credit in U. S. History • Half credit in U. S. Government • Half credit in Economics with Financial Literacy
Personal Financial Literacy – 0.5 Credit
Physical Education ¤ – 1 Credit
• To include the integration of health
¤ Special note: Eligible courses and eligible course substitutions are specified in the Florida Course Code Directory at **www.fldoe.org/policy/articulation/ccd**.
Fine & Performing Arts, Speech and Debate or Practical Arts ¤
All program classes meet this requirement.
Elective Credits – 7.5 Credits
• Students must earn a 2.0 grade point average on a 4.0 scale.

** Students wishing to enter a state university as a freshman must take at least two levels of the same foreign language (many schools prefer 3 or 4 years). Additionally, students must have all 4 math credits, one of which must include Algebra 2.

Retention Policy

- *Pass Algebra 1 EOC or earn concordant score on Geometry EOC, ACT, PSAT, SAT or CLT*
- *Pass FSA Reading or earn concordant score on ACT, SAT, or CLT*
- *ESE students may be eligible for a waiver or state-standardized testing requirements for graduation.*

REQUIREMENTS FOR THE 18-CREDIT (ACCELERATED) DIPLOMA OPTION

Students will meet Florida's high school standard diploma course requirements without the required physical education (HOPE) and the online course requirement. This option also requires the student to take only three credits in electives and have a cumulative GPA of 2.0 on a 4.0 scale.

Grading Scale

The following point scale will apply to all high schools, as well as to middle school students enrolled in high school courses in grade 7 or 8 for credit toward graduation:

A →	4 grade points	90-100	Outstanding Progress
B →	3 grade points	80-89	Above Average Progress
C →	2 grade points	70-79	Average Progress
D →	1 grade point	60-69	Lowest Acceptable Progress
F →	0 grade points	O-59	Failure

Weighted Grade Point Average

Grades are assigned the following point values only when determining class ranking and for averages for summa cum laude, magna cum laude, cum laude status, valedictorian, salutatorian, and the National Honor Society:

	A	**B**	**C**	**D**	**F**
Dual Enrollment & Adv. Placement (Q)	5	4	3	1	0
Honors (Q)	4.5	3.5	2.5	1	0
Regular	4	3	2	1	0

Class Rank: Class rank will be computed based on all courses taken for high school credit through the first semester of the 12th grade year.

Honors Status

Students must earn the following cumulative weighted grade point averages (not rounded) to qualify for honors status. High school seniors who become eligible for an honors status during the second semester of their senior year shall have their seals mailed to them.

Summa cum laude	GPA greater than 4.0
Magna cum laude	GPA greater than 3.8 but less than or equal to 4.0
Cum laude	GPA greater than or equal to 3.5 but less than or equal to 3.8
With Distinction	GPA greater than or equal to 3.25 but less than 3.5

State of Florida online course requirement

Beginning with the 2023-2024 school year, the State of Florida no longer requires one online course to meet graduation requirements. However, students at Tech High take Pinellas Virtual School courses and Florida Virtual School courses in our computer lab in order to fulfill various graduation requirements.

Richard O. Jacobson Technical High School at Seminole magnet requirement

Students are expected to take their academic courses in our school environment. See paragraph below regarding program courses (*).

From the PCSB District Application Policy Manual:

FULL-TIME ENROLLMENT

Students attending a District Application Program must be enrolled full-time in that school. Since the application program is the student's school of assignment, the student is not permitted to participate in the school functions and activities at any other school. Students attending Jacobson Technical High School at Seminole may participate at their zoned high school for athletics. Students in District Application Programs may participate in extracurricular activities at their zoned school provided the extracurricular activity does not exist at the District Application Program school of assignment.

District Application Programs courses are not available to traditional (host school) students except under special circumstances. This policy assists the district in maintaining the integrity and uniqueness of each individual magnet. (*) In order to maintain the integrity of the approved program curriculum and to ensure program completion, there shall be no substitutions, including dual credit, correspondence or online courses, for specific program courses.

ATTENDANCE

Attendance is extremely important in all educational settings. The integrity of the District Application Programs curriculum requires that students be present so as not to experience a lapse in skill development or in academic preparation for highest student achievement. All students are expected to attend school from the first day of school. Vacancies (openings) created by students who fail to attend during the first three days of the school year may be offered to the next student(s) on the wait lists. In addition, families are strongly discouraged from taking planned vacations while classes are in session during the school year.

Families are encouraged to get their child to school on time. Chronic tardiness can cause students to experience a lapse in skill development or in academic preparation for highest student achievement.

Other requirements and options

Students wishing to enter a state university as a freshman must take at least two levels of the same foreign language (many schools prefer 3 or 4 years). Additionally, students must have all 4 math credits, one of which must include Algebra 2.

Under certain circumstances, credit may be earned by attending the extended learning program, adult evening high school, the St. Petersburg College dual credit program, Pinellas Virtual School or Florida Virtual School. Students must make arrangements with their high school principal (or designee) prior to enrolling in such courses in order for credit to be earned in this manner.

Course Requests & Schedule Corrections

Students register for classes each spring for the upcoming school year, including all required courses, electives, and alternate electives in case the elective of choice is not available. Because our school's master schedule is built based upon student requests during the registration process, schedule changes are limited. It is extremely important that students discuss the registration process with their parents and choose their courses wisely and with care. If students need to make any changes

after submitting their course selections, they may make those changes by contacting the guidance office no later than the last day of the school year.

After this date, changes will only be made for one of the following reasons:

1. Computer error
2. Lack of prerequisite credit
3. Requirement for graduation, college admission or scholarship
4. Credit in the course has already been obtained

Florida Bright Futures Scholarship Program

This program offers The Florida Academic, the Florida Medallion, and the Gold Seal scholarships. Refer to the web site below for related criteria www.floridastudentfinancialaid.org.

The PSAT

The Preliminary SAT (PSAT) is a valuable tool for students.

Pinellas County Schools pays for all 9th, 10th, and 11th grade students to take the PSAT to evaluate the skills that each student has developed in critical reading, mathematics and writing based on nationally normed data.

The PSAT is an effective way for students to start getting ready for the SAT and provides personalized feedback about their academic strengths and weaknesses, which leads to stronger preparation for life beyond high school and greater success in college and careers.

For 11th grade students, this is the final opportunity to take the PSAT and it is the only year that the PSAT results are considered to qualify a student to be recognized as a National Merit Scholar, Hispanic Scholar, or Achievement Scholar. These three recognitions all award significant scholarships for eligible students who meet the criteria and complete the requirements. For more information, contact the PCS Advanced Studies office at (727) 588-6466.

A park like setting.

View between Building 1 and 3 of our covered eating areas which doubles as an outside classroom.

COURSE PROGRESSIONS

The following three progressions are high school course outlines which permit future planning of courses. Students are not restricted or limited by these progressions and may seek greater rigor within a personalized plan.

Course Progression A

This progression is typical for most high school students who did not accelerate their courses in middle school.

	9th Grade	10th Grade	11th Grade	12th Grade
1	English I Honors	English II Honors	English III Honors or AP Language or DE Comp 1/2	English IV Honors Or DE Comp 1/Comp 2
2	Algebra I	Geometry Honors	Math for Data & Financial Literacy / or Algebra 2 Hon	Math for College Liberal Arts or Algebra 2 Hon or AP Pre-Calculus
3	Per. Fin. Lit / Freshman Exp World History Hon AP World History	US History Honors or AP US History	Am. Govern. Hon & Economics Hon	Psychology 1/2
4	Biology Honors or Enviro. Science Hon	Chemistry Honors or Biology Honors	Marine Science 1 Honors – or – AP Biology	Marine Science 2 Honors – or – AP Biology
5	Spanish Online Elective Reading	Spanish Entrepreneurship Online Elective	Internship Spanish HOPE	Internship, Apprenticeship, Dual Enrollment or Directed Study
6	**CTE Program**	**CTE Program**	**CTE Program**	**CTE Program**
7	**CTE Program**	**CTE Program**	**CTE Program**	**CTE Program**

Course Progression B

This progression is for students who took English I Honors and Algebra 1 in middle school.

	9th Grade	10th Grade	11th Grade	12th Grade
1	English II Honors	English III Honors	English IV Honors or AP Language or DE Comp 1/2	DE Comp 1/2 or other DE Course
2	Geometry Honors	Math for Data & Financial Literacy or Algebra 2 Honors	Math for College Liberal Arts or Algebra 2 Hon or AP Pre-Calculus	AP Pre Calculus, Probability & Statistics, AP Calculus, or AP Statistics
3	Per. Fin. Lit / Freshman Exp World History Hon AP World History	US History Honors or AP US History	American Govern. Hon & Economics or Honors	Psychology 1/2
4	Biology Honors	Chemistry Honors	Marine Science Honors AP Biology	Marine Science 2 Honors AP Biology
5	Spanish Online Elective Reading	Spanish Entrepreneurship Online Elective	Internship Spanish HOPE	Internship, Apprenticeship, Dual Enrollment or Directed Study
6	**CTE Program**	**CTE Program**	**CTE Program**	**CTE Program**
7	**CTE Program**	**CTE Program**	**CTE Program**	**CTE Program**

Checklist of courses required for the State of Florida for Graduation

ENGLISH	(4 credits)
1	English I
2	English II
3	English III or AP Lang
4	English IV, or DE Comp I & II

MATHEMATICS	(4 credits)	
1	Algebra I	REQUIRED
2	Geometry	REQUIRED
3	Additional Math (see above)	
4	Additional Math (see above)	

Algebra I requires passing the course End-of-Course Assessment (EOC) exam. Geometry requires taking the End of Course exam and having it calculate into the final grade.

Algebra II is not a state requirement; however, the university system requires it for admission.

SCIENCE	(3 credits)	
1	Biology	REQUIRED
2	Additional science (see above)	
3	Additional science (see above)	

Biology requires taking the End of Course exam and having it calculate into the final grade.

HISTORY	(3 credits)	
1	World History	REQUIRED
2	US History	REQUIRED
3	US Govern. (0.5 cr)	REQUIRED
4	Economics (0.5 cr)	REQUIRED

US History requires taking the End of Course exam and having it calculate into the final grade

OTHER REQUIRED CREDITS	
	1 Credit in CTE/Practical/Fine Art
	1 Credit in HOPE
	Personal Financial Lit (0.5 cr)

** Two consecutive levels of the same World Language are not required for graduation, but it is required for admissions to 4-year universities and Bright Futures scholarship eligibility.*

BUSINESS TECHNOLOGY

Business Technology is open to all students at Jacobson Tech High School. Industry certifications are available in Microsoft platforms.

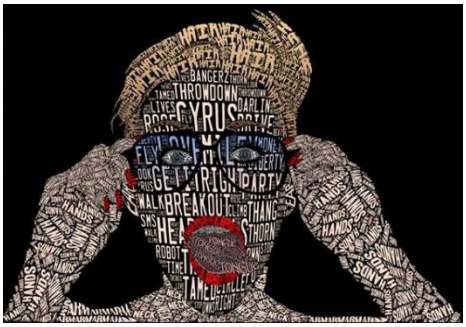
Industry Certifications:

Small Business & Entrepreneurship
Adobe Photoshop
Adobe Illustrator
Microsoft
- Outlook
- Excel
- Word
- PowerPoint

My Florida Ready to Work

Entrepreneurship	**8812100**	**CIP# 0252070102**	**Credits**
	8207310	Principles of Entrepreneurship	1 Credit

COMMERICAL & DIGITAL ARTS TECHNOLOGY



Use your keen eye for detail and love of graphic arts to create logos, outdoor banners, signs, posters and more in a state of the art, realistic design studio. You will work with community partners developing real materials. When you graduate from Tech High you will not only have built your portfolio, but also your resume with industry certifications in Adobe Photoshop, Adobe InDesign, and Adobe Illustrator.

Industry Certifications:

Adobe Photoshop
Adobe InDesign
Adobe Illustrator
Small Business & Entrepreneurship Certification

	8718000	**CIP#-0650040208**	**10 Credits**	
A	8718010	Commercial Art Technology 1	1 credit	27-1024
	8718020	Commercial Art Technology 2	1 Credit	27-1024
	8718030	Commercial Art Technology 3	1 Credit	27-1024
B	8718040	Commercial Art Technology 4	1 Credit	27-1029
	8718050	Commercial Art Technology 5	1 Credit	27-1029
	8718060	Commercial Art Technology 6	1 Credit	27-1029

CONSTRUCTION TECHNOLOGY

The construction industry is booming with over 5% growth each year and not enough workers to meet the demand. Students gain knowledge in reading blueprints and detailed drawings, perform construction mathematics and train in carpentry, electricity, masonry, and plumbing. Upon completion at Tech High, you will have gained the knowledge to obtain the National Center for Construction Education & Research (NCCER) and OSHA certifications.

Industry Certifications: NCCER Certifications in Construction Technology
OSHA 10-Hour Construction
Safety AHA American Heart
Association CPR First Aid

	8722000	**CIP #- 0646041506**	**6 Credits**
A	8722010	Building Trades & Construction Design Technology 1	1 Credit
	8722020	Building Trades & Construction Design Technology 2	1 Credit
	87722030	Building Trades & Construction Design Technology 3	1 Credit
B	8722040	Building Trades & Construction Design Technology 4	1 Credit
C	8722050	Building Trades & Construction Design Technology 5	1 Credit
D	8722060	Building Trades & Construction Design Technology 6	1 Credit
	8700400	Architecture and Construction Coop Educ (OJT)	Multi Credit
	8700100	Architecture and Construction Directed Study	Multi Credit

ELECTRICITY TECHNOLOGY

The demand for electricians is over 20% through 2022. In our learning lab, you will have hands-on experiences with wiring, troubleshooting and repair. Enhance your resume by competing in student competitions. In addition to the opportunity to obtain the National Center for Construction Education & Research (NCCER) and OSHA certifications, you will also work in the real world by working with a variety of organizations.

Industry Certifications: NCCER Certifications in Construction Technology
OSHA 10-Hour Construction
Safety AHA American Heart
Association CPR First Aid

	8727200	**CIP#- 0646030202**	**8 Credits**	
A	8727210	Electricity 1	1Credit	47-3013
	8727220	Electricity 2	1 Credit	47-3013
B	8727230	Electricity 3	1 Credit	47-2111
	8727240	Electricity 4	1 Credit	47-2111
	8727250	Electricity 5	1 Credit	47-2111
C	8727260	Electricity 6	1 Credit	47-2111
	8727270	Electricity 7	1 Credit	47-2111
	8727280	Electricity 8	1 Credit	47-2111

GAME & SIMULATION PROGRAMMING TECHNOLOGY

Put your fun and creative passion for video games to work by learning about opportunities in the Information Technology industry. You will complete rigorous project-based activities like single and multi-user game design, computer programming, animation and modeling. Be continuously challenged when you use C# (Unity), Java (Android Studio) and C++ (Unreal Engine). Amplify your resume by earning industry certifications in Adobe products or Microsoft Technology Associate.

Industry Certifications:

Information Technology Specialist (ITS)
Mobility and Device
Adobe Certified Associate: Photoshop, Illustrator
HTMLS Application Development Fundamentals
Unity Certified User: Artist; Programmer; VR Developer
Autodesk – Maya Certified User; Maya Certified Professional
Project Management Ready

GAME, SIMULATION, ANIMATION, VISUAL DESIGN

	8208100	**CIP# 0550041114**	**4 Credits**
A	8208110	Game & Simulation Foundations	1 Credit
	8208120	Game & Simulation Design	1 Credit

GAME, SIMULATION PROGRAMMING

	8208300	**CIP#-0550041116**	**4 Credits**
A	8208110	Game & Simulation Foundations	1 Credit
	8208120	Game & Simulation Design	1 Credit
B	8208330	Game & Simulation Programming	1 Credit
C	8208340	Multi-User Game & Simulation Programming	1 Credit

GAME, SIMULATION ADVANCED APPS

	8208400	**CIP# 0550041117**	
A	8208400	Game, Sim & Animation Advanced Applications	1 Credit
	9000100	Information Technology Directed Study	Multi Credits

MARINE MECHANICS TECHNOLOGY

Love working with engines? In the classroom and workshop, you will work with inboard and outboard engines as you navigate the marine repair industry. The Marine Mechanics program will offer precise training in boat engine mechanics, troubleshooting, electrical systems and other aspects of boat repair so you are ready for an entry-level position when you graduate. Marine Electrical certification available.

Industry Certifications: OSHA
Yamaha Marine Maintenance Certification – Inline (YAMAH001)
Yamaha Marine Maintenance Certification – Midline (YAMAH002)

9504200	**CIP# 0647061612**	**7 Credits**	
9504210	Outboard Marine Service 1	1 Credit	49-3051
9504220	Outboard Marine Service 2	1 Credit	49-3051
9504230	Outboard Marine Service 3	1 Credit	49-3051
9504240	Outboard Marine Service 4	1 Credit	49-3051
MTE0090	Outboard Engine Technician	1 Credit	49-3051
MTE0074	Outboard Engine Diagnostic Technician	1 Credit	49-3051
MTE0093	Drive Train Technician	1 Credit	49-3051
MTE0092	Inboard Gas Engine Technician	1 Credit	49-3051

VETERINARY SCIENCES TECHNOLOGY

Make the world smile through the wag of a tail! Your love for animals and their care are enhanced with the vet science program. Work directly with small and large animals on our farm like cattle, horses, pigs, rabbits, dogs, cats and birds. You will learn to care for these animals by learning anatomy, disease prevention, surgical assisting and grooming. After your internship at a local animal hospital, you can earn your certification as a veterinary assistant with the Florida veterinary medical association. Additionally, you can participate in the FFA and compete in events at the Florida State Fair.

Industry Certifications: CVA – Certified Veterinary Assistant (by FVMA – Florida Veterinary Medical Association)
AHA American Heart Association CPR First Aid

	8115110	**CIP# 0151080810**	**6 Credit**	
A	8111510	Veterinary Assisting 1	1Credit	31-9096
	8111540	Veterinary Assisting 2	1 Credit	31-9096
	8111550	Veterinary Assisting 3	1 Credit	31-9096
B	8111520	Veterinary Assisting 4	1 Credit	31-9096
C	8111530	Veterinary Assisting 5	1 Credit	29-2056
	8100100	Agriculture and Natural Resources Directed Studies	Multi Credit	

NURSING TECHNOLOGY

If you love helping others and have a passion for science the Tech High Nursing program is for you. In the lab, you will develop the skills required for clinical hours in a healthcare facility. You will be challenged with a thoroughly rigorous health care curriculum. You will earn certifications from the American Heart Association: BLS CPR, bloodborne pathogens and first aid. You may sit for exams for your LPN, EKG, or Allied Health certifications

Industry Certifications:

AHA American Heart Association CPR
Bloodborne Pathogens First Aid
BLS for Healthcare Providers CPR
EKG
Allied Health
Pathway to LPN for students who attend PTC full-time 12th grade year

NURSING ASSISTANT - LPN

	8417210	**CIP#-0317060201**	**4 Credits**	
A	8417100	Health Science Anatomy and Physiology	1 Credit	31-9099
	HSC0003	Basic Healthcare Worker	½ Credit	31-9099
	HCP0332	Advanced Home Health	½ Credit	31-9099
	HCP0121	Nurse Aide and Orderly (Articulated)	½ Credit	31-9099
	HCP0020	Patient Care Assistant	½ Credit	31-9099
	8410040	HSE Directed Study	1 Credit	31-9099
B	8418410	Practical Nursing Foundations 1A/1B	1 Credit	31-9099
	8417211	Practical Nursing Foundations 2	1 Credit	31-1014

ELECTROCARDIOGRAPH TECHNICIAN

	8427100	**CIP# 0351090204**	**1 Credit**	
	8427130	Electrocardiograph Technician 3 (EKG)	1 Credit	29-2031

CERTIFIED NURSING ASSISTANT – ALLIED HEALTH

	8417210	**CIP# 0317060201**	**1 Credit**	
	8417211	Nurse Assisting 3	1 Credit	29-2031

Advanced Placement (AP) College Courses

Advanced Placement classes provide students an opportunity to take classes for both high school and college credit. To receive college credit at state universities, a score of 3 or higher (on a scale of 1-5) on a test is required. Richard O. Jacobson Technical High School requires students to take first semester exams in all AP classes. The resulting grade will be factored into the first three grading periods for the final semester grade. **Students are REQUIRED to take the Advanced Placement Exam in May. Failure to sit for the AP Exam will result in a final exam grade of F and required fee payment for the missed exam.**

AP American (US) History

Students analyze 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.

AP Biology

Designed to be taken by students after the successful completion of a first course in high school biology and one in high school chemistry. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology.

AP Computer Science

AP Computer Sciences Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles prepares students for college and career.

AP English Language & Composition

This composition course emphasizes the expository, analytical, and argumentative writing that forms the basis of academic and professional communication, as well as the personal and reflective writing that fosters the ability to write in any context. This course replaces English III.

AP Pre-Calculus

The AP Precalculus course content is organized into three units of study that include Polynomial & Rational Functions, Exponential & Logarithmic Functions, and Trigonometric & Polar Functions. Students will study the same content that is covered in the Florida Precalculus Honors course as they develop and apply three mathematical practices: (1) Procedural and Symbolic Fluency, (2) Multiple Representations, and (3) Communication and Reasoning. The AP course affords students the opportunity to meet the basic math requirements for a college degree, eliminating the greatest hurdle many students experience in their first year of college.

COLLEGE CREDIT COURSES – DUAL ENROLLMENT ON CAMPUS

What's required to enroll?

- For academic courses, a 3.0 unweighted cumulative GPA or a 3.0 in the subject area to be studied at SPC.
- For career courses, a 2.0 unweighted cumulative GPA or a 2.0 in the subject area to be studied at SPC.
- Satisfactory scores on the College Placement Test (CPT/PERT), PSAT, SAT, ACT, or CLT.
- To remain in the Dual Enrollment program, you must maintain a college GPA of 2.0 (C average).

	PSAT	SAT	ACT	PERT
Reading	24	24	19	106
English/Writing	25	25	17	103
Math	24	24	19	114

Digital PSAT/SAT Beginning June 2023

	Digital PSAT	Digital SAT
Reading & Writing	490	490
Math	480	480

Classic Learning Test, Beginning August 2023

	CLT
Verbal Reasoning & Writing	38
Quantitative Reasoning	16

NOTE: Students who register for dual enrollment courses that are offered on campus are required to take the on-campus offering. If the course is full, off-campus offerings will be available.

Composition 1

Composition I, ENC 1101, "is designed to develop composition skills. It emphasizes the development of the multi-paragraph essay including practice in information retrieval from electronic and other sources, and in the selection restriction, organization and development of topics. It also offers the student opportunities to improve abilities with sentence structure, diction, and mechanics. Selected writing samples are examined as models of form and as sources of ideas for the student's own writing." Meets the graduation requirement for either English III or English IV.

Composition 2

This course builds upon the skills developed in Composition I. It provides further instruction in the planning, organization, and writing of essays. It stresses methods of library research including information retrieval from electronic sources and emphasizes writing of the research paper and the paper of literary interpretation. The reading includes selections from at least two forms of literature. This course partially satisfies the writing requirements outlined in the General Education Requirements. Credit is not given for both ENC 1102, and ENC 1122H. Meets the graduation requirement for English IV.

Career & Life Planning

This course is designed to strengthen skills essential to success in college, with further applications to post-college plans. Included are study and test-taking strategies; effective interpersonal skills; time management techniques; creative and critical thinking skills; college services and resources; educational policies, procedures, regulations and terminology; and library resources, research strategies, and information skills for online, blended, and traditional learning environments.

Additional Dual Enrollment Options – please see the St. Petersburg College website, www.spcollege.edu for course offerings. Application must be made through the guidance office. Each semester has specific deadlines which do not align to the school calendar.

ENGLISH / LANGUAGE ARTS COURSES

All courses are a length of one year unless otherwise specified.

* Course meets English/Language Arts graduation requirement.

ELA Course Progression

Number	Grade	Course Title	Credit	Prerequisite
1001320	9	English Honors I	1	M/J Language Arts 3 or M/J Language Arts 3A
1001350	9, 10	English Honors II	1	English I (Any Level)
1001380	10, 11	English Honors III	1	English II (Any Level)
1001410	11, 12	English Honors IV	1	English III (Any Level)
1001420	11, 12	AP English Language & Comp	1	English Honors II
1001430	11, 12	AP English Literature & Comp	1	English Honors II / English Honors III

English I Honors Q *

Course # 1001320 Credit 1

Grade Level 9 Length 1 year

Prerequisite M/J Language Arts 3 (any level)

English 1 focuses on the close reading and careful analysis of complex literary and informational texts, and the compositional process. Students develop skill in reading analytically, speaking and listening, language, and composition. Emphasis is placed on key ideas and details, author's craft and structure, integration of knowledge and ideas, the range of reading and level of text complexity, vocabulary development, student research, and the process and production of various modes of writing.

English II Honors Q *

Course # 1001350 Credit 1

Grade Level 9-10 Length 1 year

Prerequisite English I (any level)

This course focuses on the close reading and careful analysis of complex literary and informational texts, and the compositional process. Students develop skill in reading analytically, speaking and listening, language, and composition. Emphasis is placed on key ideas and details, author's craft and structure, integration of knowledge and ideas, the range of reading and level of text complexity, vocabulary development, student research, and the process and production of various modes of writing.

English III Honors *

Course # 1001380 Credit 1

Grade Level 10-11 Length 1 year

Prerequisite English II (any level)

This course focuses on the study of literature, language, and composition. Emphasis is placed on developing an understanding of major authors, periods, features, and themes of American literature and on using the writing process to produce specified types of papers, including literary analysis, the persuasive essay, and the brief research paper. Speaking & listening skills, vocabulary development, study and reference skills are also included.

English Honors IV Q *

Course # 1001410 Credit 1

Grade Level 11-12 Length 1 year

Prerequisite English III (any level)

This course focuses on the close reading and careful analysis of complex literary (with emphasis on British and world literature) and informational texts, and the compositional process. Students develop skill in reading analytically, speaking and listening, language, and composition. Emphasis is placed on key ideas and details, authors' craft and structure, integration of knowledge and ideas, the range of reading and level of text complexity, vocabulary development, student research, and the process and production of various modes of writing.

Advanced Placement English: Language & Composition Q *

Course # 1001420 Credit 1

Grade Level 11, 12 Length 1 year

Prerequisite English Honors II

The purpose of the AP English Language and Composition course is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. AP English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing. As well as engaging in varied writing tasks, students become acquainted with a wide variety of prose styles from many disciplines and historical periods and gain understanding of the connections between writing and interpretive skill in reading. The purpose of the AP English Language and Composition course is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. AP English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing. As well as engaging in varied writing tasks, students become acquainted with a wide variety of prose styles from many disciplines and historical periods and gain understanding of the connections between writing and interpretive skill in reading.

AP Language and Composition may take the place of the English III (or other appropriate) requirement. AP courses involve higher levels of complexity, greater depth, and more
reading and writing than traditional courses. AP courses are recommended for students with either an average English grade of at least a C or enrollment in AVID, though this is not a requirement. Students are required to take the Advanced Placement examination.

MATHEMATICS COURSES

Please note: Students will be scheduled into math courses as determined appropriate by fsa/eoc achievement levels and teacher recommendation.

* Course meets Mathematics graduation requirement.

Number	Grade	Course Title	Credit	Prerequisite
12003100	9 - 12	Algebra I	1	None
12003700	9 - 12	Algebra IA	1	Level 1 or 2 in Math paired with Algebra IB
12003800	9 - 12	Algebra IB	1	Level 1 or 2 in math must take both
12003870	10 - 12	Financial Algebra	1	Math for College Readiness
12003400	10 - 12	Algebra II Honors	1	Geometry Honors
12023100	11, 12	AP Calculus AB	1	Pre-Calculus
12023200	11, 12	AP Calculus BC	1	AP Calculus BC
12063200	9 - 12	Geometry Honors	1	Algebra I
12023400	10 - 12	Pre-Calculus	1	Algebra II Honors

Algebra IA

Course # (1A) 1200370
Grade Level 9-12 Length 1 year
Prerequisite None State Test: None

This course is the first half of the algebraic content for the algebra one program. Topics shall include, but not be limited to, the real number system with emphasis on rational and irrational numbers, sets, variables, algebraic expressions, patterns, relations and functions, solutions to linear equations and inequalities, rates, ratios, proportions, coordinate geometry, graphs, Venn diagrams, real-world problems, problem solving strategies, and literacy strategies.

Algebra I *

Course # 1200310 Credit 1
Grade Level 9-12 Length 1 year
Prerequisite None State Test: EOC Exam

The purpose of this course is to provide the foundation for more advanced mathematical courses and to develop the algebra skills needed to solve real-world and mathematical problems. At the completion of the course, all studentswill take the state mandated FSA Algebra 1 exam which counts 30% of the student's final grade. **Passing the FSA Algebra 1 exam is required for graduation**.

Geometry Honors Q *

Course # 1206320 Credit 1
Grade Level 9-12 Length 1 year
Prerequisite Algebra I State Test: EOC Exam

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. At the completion of this course, all students will take the state mandated FSA Geometry exam which counts 30% of the student's final grade.

Algebra II Honors Q *

Course # 1200340 Credit 1
Grade Level 9-12 Length 1 year
Prerequisite Full credit in Geometry
The purpose of this course is to continue the study of the structure of algebra and to apply these skills to fields such as science, social science, statistics, and health-related fields. Topics shall include, but not be limited to, complex numbers, functions, equations and inequalities, rational expressions and equations, absolute value, direct, inverse and joint variation, arithmetic and geometric sequences and series, systems of equations and inequalities, parabolas, quadratic equations, powers, roots, exponents and logarithms, polynomials, problem solving strategies and literacy strategies.

Math for Data & Financial Literacy*

Course # 1200384 Credit 1
Grade Level 9-12 Length 1 year
Prerequisite: Geometry
The purpose of this course is to strengthen the skill levels for students who have completed Algebra 1 and Geometry. This course includes standards in statistical analysis and financial literacy.

Math for College Liberal Arts*

Course # 1207350 Credit 1
Grade Level 9-12 Length 1 year
Prerequisite: 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.

Advanced Placement Pre-Calculus Q *

Course # 1202305 Credit 1
Grade Level 10-12 Length 1 year
Prerequisite Full credit in Algebra 2
The AP Precalculus course content is organized into three units of study that include Polynomial & Rational Functions, Exponential & Logarithmic Functions, and Trigonometric & Polar Functions. Within these three units, students will study the same content that is covered in the Florida Precalculus Honors course as they develop and apply three mathematical practices: (1) Procedural and Symbolic Fluency, (2) Multiple Representations, and (3) Communication and Reasoning. This course is replacing the Honors Precalculus course because the content and skills learned are essentially the same, while the AP course affords students the opportunity to meet the basic math requirements for a college degree, eliminating the greatest hurdle many students experience in their first year of college.
***Note: Students are required to take the Advanced Placement examination*.**

SCIENCE COURSES

All science classes are yearlong and earn 1 credit.

* Course meets Science graduation requirement.

All of the high school science courses include labs.

Number	Course Title	Credit	Prerequisite
2000310	Biology I	1	None
2000320	Biology I Honors	1	Advanced 8th grade science with recommended grade of C or higher
2003340	Chemistry	1	Algebra I
2002510	Marine Science Honors	1	None
2000340	AP Biology	1	Recommended Biology and Chemistry
2001380	AP Environmental Science	1	Recommended Biology and Chemistry

Biology Honors Q*

Course # 2000320 Credit 1
Grade Level 9-12 Length 1 year
Prerequisite None State Test: EOC Exam
This course focuses on the study of life through the examination of fundamental concepts such as cellular biology, genetics, ecology, evolution and physiology. The scientific process and laboratory skills are emphasized along with biology's connections to other scientific
disciplines. Students learn scientific writing skills and examine current biological issues.

Advanced Placement Biology Q

Course # 2000340 Credit 1
Grade Level 9-12 Length 1 year
Prerequisite Recommended Biology and Chemistry The purpose of this course is to provide a college level course in biology, and to prepare the student to seek credit and/or appropriate placement in college biology courses. To parallel college science courses that have a required laboratory section, it is recommended that this course be accompanied by or paired with Biology II Honors to insure sufficient time for the required laboratory experiences.
Note: Students are required to take the Advanced Placement examination.

Chemistry I Honors Q*

Course # 2003350 Credit 1
Length 1 year Credit 1
Prerequisite Algebra I
This course will provide students with the study of the composition, properties, and changes associated with matter. Topics such as atomic theory, periodic table, bonding, chemical formulas, behavior of gases, and chemical reactions are included.

Marine Science I Honors*

Course # 2002500 Credit 1
Grade Level 9-12 Length 1 year
Prerequisite None
This course is designed to present an integrated overview of the principles and concepts of the geology, chemistry, physics, and biology as they relate to the world's oceans.

Marine Science II Honors*

Course # 2002530 Credit 1
Grade Level 9-12 Length 1 year
Prerequisite Marine Science I

This course will provide an in-depth study of the marine environment begun in marine science. Topics include technology and resources, evolution and taxonomy, Marine ecosystems, non-animal marine organisms, marine invertebrates, and marine vertebrates. Advanced courses require a greater demand on students through increased academic rigor. Academic rigor is obtained through the application, analysis, evaluation, and creation of complex ideas that are often abstract and multi-faceted.

SOCIAL STUDIES COURSES

* Course meets Social Studies graduation requirement.

Number	Course Title	Credit	Prerequisite	State Graduation Requirement
2109310	World History	1	None	Required
2100310	United States History	1	None	Required
2106310	United States Government	0.5	None	Required
2102335	Economics with Financial Literacy	0.5	None	Required
2109420	AP World History	1	None	
2100330	AP US History	1	None	

United States Government Honors Q *

Course # 2106320 Credit Half credit (.5)
Grade Level 9-12 Length 1 semester
Prerequisite None

The grade 9-12 United States Government course consists of the following content area strands: Geography, Civics and Government. The primary content for the course pertains to the study of government institutions and political processes and their historical impact on American society. Content should include, but is not limited to, the functions and purpose of government, the function of the state, the constitutional framework, federalism, separation of powers, functions of the three branches of government at the local, state and national level, and the political decision-making process.

World History Honors Q*

Course # 2109320 Credit 1
Grade Level 9-12 Length 1 year
Prerequisite None

The grade 9-12 World History course consists of the following content area strands: World History, Geography and Humanities. This course is a continued in-depth study of the history of civilizations and societies from the middle school course and includes the history of civilizations and societies of North and South America. Students will be exposed to historical periods leading to the beginning of the 21st Century. 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 from ancient and classical civilizations.

United States History Honors Q *

Course # 2100320 Credit 1
Grade Level 11 Length 1 year
Prerequisite None
The grade 9-12 United States History 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 theopportunity to review those fundamental ideas and events which occurred before the end of Reconstruction.

Advanced Placement: U.S. History Q*

Course # 2100330 Credit 1
Grade Level 11 Length 1 year
Prerequisite None
Students analyze 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.
Note: Students are required to take the Advanced Placement examination.

Economics Honors*

Course # 2102345 Credit Half credit (.5)
Grade Level 12 Length 1 Semester
Prerequisite None
The Economics course consists of the following content area strands: Economics and Geography. The primary content emphasis for this course pertains to the study of the concepts and processes of the national and international economic systems. Content should include, 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.

Personal Finance and Money Management Honors Q*

Course # 2102373 Length 1 Semester
Prerequisite None
Instructional components of this course will emphasize seven key areas: financial decision making, wages/salaries/taxes, budgeting, analyzing interest, credit accounts/borrowing of money, investing, and financial risk. This course satisfies the graduation requirement for financial literacy.

WORLD LANGUAGE COURSES

Spanish I

Course # 0708340 Credit 1
Grade Level 9-12 Length 1 year
Prerequisite None
Spanish 1 introduces students to the target language and its culture. The student will develop communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language.

An introduction to reading and writing is also included as well as culture, connections, comparisons, and communities. Students are expected to demonstrate proficiency at the novice-low to novice-high level by the end of this course.

Spanish II

Course # 0708350 Credit 1
Grade Level 9-12 Length 1 year
Prerequisite Spanish 1

Spanish 2 reinforces the fundamental skills acquired by the students in Spanish 1. The course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in Spanish 1. Reading and writing receive more emphasis, while oral communication remains the primary objective. The cultural survey of the target language-speaking people is continued. Students are expected to demonstrate proficiency at the Intermediate-low to Intermediate-mid level by the end of this course.

Spanish III Hon Q

Course # 0708360 Credit 1
Grade Level 9-12 Length 1 year
Prerequisite Spanish 2

Spanish 3 provides master and expansion of skills acquired by the students in Spanish 2. Specific content includes, but is not limited to, expansion of vocabulary and conversational skills through discussions of selected readings. Contemporary vocabulary stresses activities that are important to the everyday life of the target language-speaking people. Students are expected to demonstrate proficiency at the intermediate-high to advanced-low level by the end of this course.

ELECTIVE COURSES

All courses are a length of one year unless otherwise specified.

Diversified Education Directed Study (Teacher Assistant) *12th grade only

The purpose of this course is to provide students with those workplace skills essential for gainful employment. The content of this course includes the following: developing an employment plan, seeking and applying for employment opportunities, accepting employment, communicating on the job, maintaining professionalism, adapting and coping with change, work ethics and behavior, demonstrating technological literacy, maintaining interpersonal relationships and demonstrating leadership and teamwork. Additional focus will surround student choice in work toward Industry Certifications.

Diversified Career Technology- OJT (DCT-OJT)

The course is designed to enable each student to demonstrate competencies in a specific career and to demonstrate legal and ethical behavior within the role and scope of job responsibilities through a realistic, on-the-job training experience. An individualized training plan is developed and utilized to ensure that training is provided which will develop the necessary competencies/skills in order for the student to become competent in the occupation for which he/she is being trained. The training plan is the "curriculum" for the on-the job-training and the timecard is the attendance record on the-job. A student may not be enrolled in Diversified Career Technology OJT without concurrent enrollment in a diversified class. The student must be paid for work performed and must be directly supervised.

Diversified Career Technology Principles (OJT) (No more than two periods per semester)

Release period for DCT/OJT, please see prior description.

VIRTUAL SCHOOL COURSES

The following courses are available to all Richard O. Jacobson Technical High School students through Pinellas Virtual School (PVS) or Florida Virtual School (FVS). It is recommended that students take courses we offer in our classroom environments rather than in an online setting.

American Sign Language	FVS	1.0
Anatomy & Physiology (H)	PVS	1.0
AP Art History	FVS	1.0
AP Computer Science A	FVS	1.0
AP Macroeconomics	FVS	0.5
AP Microeconomics	FVS	0.5
AP Statistics	FVS	1.0
AP United States Government & Politics	FVS	0.5
Art History and Criticism (H)	PVS	1.0
Calculus (H)	PVS	1.0
Career Research and Decision Making	PVS	0.5
Chinese 1	FVS	1.0
Chinese 2	FVS	1.0
Chinese 3	FVS	1.0
Creative Photography	PVS	1.0
Criminal Justice	FVS	1.0
Criminal Justice Operations 1	FVS	1.0
Driver's Education	PVS	0.5
Earth Space Science (H)	PVS	1.0
Fitness Lifestyle Design	FVS	0.5
Forensic Science	PVS	1.0
Foundations of Programming	FVS	1.0
Foundations of Web Design	FVS	1.0
French 1	FVS	1.0
French 2	FVS	1.0
Health Opportunities Through Physical Education - **HOPE**	PVS	1.0
Intensive Reading	FVS	1.0
Journalism 1	PVS	1.0
Latin 1	FVS	1.0
Latin 2	FVS	1.0
Latin 3	FVS	1.0
Law Studies	PVS	0.5
Leadership Skills Development	PVS	1.0
Life Management Skills	FVS	0.5
Math for College Algebra	PVS	1.0
Music of the World	PVS	1.0
Outdoor Education	PVS	0.5
Parenting Skills	PVS	0.5
Peer Counseling 1	PVS	0.5
Peer Counseling 2	FVS	0.5
Personal and Family Finance	PVS	0.5
Personal Fitness	FVS	0.5
Physical Science	PVS	1.0
Physics	PVS	1.0
Procedural Programming	FVS	1.0
Psychology 1	PVS	0.5
Reading for College Success	FVS	0.5
Social Media	PVS	0.5
Spanish 3	FVS	1.0
Spanish 4	FVS	1.0
Theatre, Cinema & Film Production	FVS	1.0
User Interface Design	FVS	1.0