

# CURRICULUM GUIDE 2018-2019



*How I love your teaching, Lord!  
I study it all day long.  
Psalm 119:97*

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## MISSION AND VISION

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The mission of Father Lopez Catholic High School is to pursue excellence within the Catholic Tradition.

Father Lopez Catholic High School is a Christ-centered community of learners. We believe that spiritual formation in the Catholic tradition and academic rigor create a positive culture where all students are free to discover their full human potential through scholarly pursuits, athletics and service leadership. Therefore, we will:

- Help our students recognize that they are created in the image and likeness of God. As such, they are good, and responsible for building the Kingdom of God in our community through service and prayer.
- Demonstrate our respect for one another and our school through kindness, honesty, professionalism, good-sportsmanship and school spirit.
- Engage our students in authentic learning experiences while developing their problem-solving abilities across the curriculum.
- Challenge our students to explore the world and realize their potential by increasing their participation in elective courses and extracurricular activities.
- Develop reflective educators who will facilitate student learning through research-based teaching practices.
- Empower our entire Father Lopez community to participate in the work of our school.

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## STUDENT SCHEDULING

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Please take the time to thoroughly review this Course Description Handbook with your parents. Choosing your classes is an important activity that you should not take lightly. Take into consideration what your teachers and counselor recommend, how you have done in the past, and what you wish to do in the future. Parents and students are encouraged to make careful decisions when selecting courses, as schedule changes are done on a very limited basis once school begins. Students will meet with their counselor individually for initial course recommendations and requests. Schedules may be changed during the first five school days for the following reasons: course level too high or too low, or dislike of elective choice. Schedule changes are only possible if there is space available in the newly requested course. Schedules will not be changed for the following reasons: desire for a different teacher or desire for a different class section. Instructor permission may be required for a course change at the discretion of the Principal.

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# EXPECTATIONS FOR STUDENT LEARNING

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1. **The Father Lopez student will read effectively.** Each student will...
  - a. Read a variety of literature types and technical writing to discern meaning.
  - b. Understand the divine inspiration of biblical texts and the lessons contained therein.
  - c. Extract, understand, evaluate and relate information to prior knowledge.
  - d. Read for a determined purpose (e.g., critical analysis and research).
  - e. Understand the structure and characteristics of fictional and nonfictional literature.
  - f. Understand vocabulary and structure in the target language.
  - g. Interpret data from graphs, charts, tables and maps.
  
2. **The Father Lopez student will write effectively.** Each student will...
  - a. Use standard English and standard forms of the target language with appropriate writing mechanics.
  - b. Write for a variety of purposes and audiences.
  - c. Write clearly, coherently and succinctly with a well-organized and logically sequenced product.
  - d. Develop a clear point that is supported by relevant and sufficient evidence.
  - e. Include content that consistently focuses on topic and contains accurate facts and information.
  - f. Write with appropriate word choice and variety of sentence structure.
  
3. **The Father Lopez student will communicate effectively.** Each student will...
  - a. Respect the dignity of those communicating by engaging in kind and non-slanderous communication.
  - b. Take effective notes, give others time to talk and respond appropriately.
  - c. Speak coherently to individuals and groups, in standard English and in a target language, for a variety of purposes.
  - d. Establish and maintain effective nonverbal communication skills when speaking.
  - e. When listening or reading, comprehend main ideas and details and retell and recall important information.
  - f. Use technology to find, organize and communicate information.
  - g. Communicate mathematically.
  - h. Employ a variety of media using appropriate technology.
  
4. **The Father Lopez student will problem solve effectively.** Each student will...
  - a. Use moral judgment in understanding the problems of the secular world.
  - b. Determine whether or not to accept, reject or suspend judgment about a claim.
  - c. Identify and design techniques for solving problems in science or technology.
  - d. Utilize evidence to formulate, support and present positions.
  - e. Use logical reasoning skills to solve theoretical and practical problems.
  - f. Use mathematical reasoning skills.
  - g. Apply a repertoire of problem solving strategies in a variety of situations.
  - h. Make inferences and predictions and assess outcomes.
  
5. **The Father Lopez student will help to build the Kingdom of God.** Each student will...
  - a. Exhibit moral development by showing kindness, honesty and good sportsmanship.
  - b. Exhibit integrity while participating in all academic, extracurricular, and social activities.
  - c. Exhibit personal spiritual development by recognizing self-worth (created in the image and likeness of God) and awareness of vocation (develop full human potential).
  - d. Respect fellow students, faculty and staff, and all others in the school and community.
  - e. Develop healthy relationships and a balanced and healthy lifestyle.
  - f. Serve others before self through volunteerism and community/political involvement.
  - g. Identify and exhibit loving and Christ-like behavior in a variety of settings.
  
6. **The Father Lopez student will broaden her or his horizons through participation in a variety of subjects and activities.** Each student will...
  - a. Convey ideas and/or feelings through a chosen area of the fine and practical arts.
  - b. Demonstrate an understanding of, and apply the basic principles of, biological and physical science.
  - c. Understand and appreciate artistic expression in society.
  - d. Work as a part of a group or team in a leadership or supportive role.
  - e. Reach compromise/consensus.
  - f. Set goals, determine a course of action, evaluate progress and achieve completion of goals.
  - g. Make informed decisions about planning for career growth and development.

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# GENERAL ACADEMIC INFORMATION

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As a Father Lopez Catholic High School graduate, you will have completed a college preparatory (or higher) curriculum. As you move through your high school career keep the following in mind: Freshmen and Sophomores – It is important to have good grades from the beginning of high school. Colleges consider your cumulative GPA in the admission process. Also, you should get actively involved in a few activities both at Father Lopez and in the community.

## GRADUATION REQUIREMENTS

To receive a Father Lopez Catholic High School diploma a student must complete 28 credits. Courses taken during middle school will be awarded credit for completion and used for proper academic placement for the 9<sup>th</sup> grade year. However, this credit will not be calculated into the high school GPA, nor will it exclude the student from the below graduation requirements that must be completed while enrolled at the high school level. Transfer student credit requirements are pro-rated appropriately. New graduation requirements have been phased in by the State of Florida. A student's graduation requirements are based upon the year in which the student entered high school.

Theology	4.0 Credits	Social Studies	
English	4.0 Credits	World History	1.0 Credit
Mathematics <sup>1</sup>	4.0 Credits	American History	1.0 Credit
Science <sup>2</sup>	3.0 Credits	American Govt.	0.5 Credit
Foreign Language <sup>3</sup>	2.0 Credits	Economics	0.5 Credit
Performing/Fine/Practical Arts <sup>4</sup>	1.0 Credits	Personal Fitness/PE Elective	1.0 Credit
Electives	4.0 or 4.5 Credits	Online Course <sup>5</sup>	0.5 or 1.0 Credit

### NOTES

<sup>1</sup>Algebra 1 or a higher-level Mathematics course is required.

<sup>2</sup>Biology and Chemistry are required. Competitive college preparatory students should take 4.0 credits of Science.

<sup>3</sup>Credits must be sequential and in the same language. Competitive college preparatory students should take 4.0 credits of the same Foreign Language.

<sup>4</sup>A student needs 1 credit combined between Performing/Fine Arts and Practical Arts.

<sup>5</sup>All students must complete one online course. Student may choose a .5 credit course or 1 credit course. The online class cannot replace one of the courses currently being offered at Father Lopez.

## THEOLOGY

A student who transfers to Father Lopez from another school in which Theology was not taught must earn credit in Theology for every semester in attendance at Lopez. A transfer student must earn a minimum of 24 high school credits for graduation.

## GRADING SCALE

Honors courses carry 0.5 in added weight value over regular-level courses. Advanced Placement and Dual Enrollment courses carry 1.0 in added weight value over regular-level courses. The Father Lopez system creates some honors courses that are not weighted by the Florida legislature for purposes of State University System admission or Bright Futures Scholarship qualification.

90 – 100	A Excellent and superior work
80 – 89	B Good work
70 – 79	C Satisfactory work
60 – 69	D Below average work
0 - 59	F Failure

## **FLORIDA STATE COLLEGES AND UNIVERSITIES**

Florida state colleges and universities require students to have completed two consecutive years of the same foreign language and four years of mathematics to include Algebra I, Geometry and Algebra II. Each post-secondary institution, whether a state or private school, has its own entrance requirements; students should consult individual college catalogues for accurate information.

## **HONORS COURSES**

Honors courses are offered in mathematics, science, English, foreign language, and social studies. Because these are in-depth courses of study, students must have a “B” average in a subject and receive instructor permission to register for an honors course. Individual courses may have more strict prerequisites. See course descriptions for more information. Concerns that may move a student down a level are unsatisfactory performance, behavior, attendance and work ethic. This will be done at the discretion of administration.

## **INSTRUCTOR PERMISSION**

Teachers will begin to make recommendations for the following year’s courses at midterm, based on current academic progress. Teachers evaluate students’ work and commitment to determine the best placement in their departments’ sequence of coursework. Parents and students should carefully consider this recommendation. In order to override an instructor’s permission, a parent must complete a course override form and submit it to Guidance.

## **THE SUMMA CUM LAUDE DIPLOMA – Classes of 2022, 2021, 2020**

Father Lopez Catholic High School offers a four-year honors program for the advanced college-bound student. This program accommodates specially gifted students by challenging them to excel outside their comfort zone. Students who earn this diploma will have committed to an intensive course of study and achieved the highest standards of academic success. To receive the Summa Cum Laude honors diploma, a student must complete all regular graduation requirements. A candidate must also:

- Successfully complete a minimum of **16** honors, Advanced Placement, and full-year Dual Enrollment courses,
- Successfully complete **8** Advanced Placement or full-year Dual Enrollment courses (all of which count toward the 16 required honors courses),
- Successfully complete **4** sequential years of the same foreign language,
- Successfully complete **4** years of science,
- Successfully complete **4** years of social studies,
- Maintain a minimum weighted GPA of 3.8 with no semester grade below B
- Minimum of 200 service hours earned prior to graduation
- Active membership in at least (1) Honor Society

## **THE SUMMA CUM LAUDE DIPLOMA – Class of 2019**

Father Lopez Catholic High School offers a four-year honors program for the advanced college-bound student. This program accommodates specially gifted students by challenging them to excel outside their comfort zone. Students who earn this diploma will have committed to an intensive course of study and achieved the highest standards of academic success. To receive the Summa Cum Laude honors diploma, a student must complete all regular graduation requirements. A candidate must also:

- Successfully complete a minimum of **12** honors, Advanced Placement, and full-year Dual Enrollment courses,
- Successfully complete **5** Advanced Placement or full-year Dual Enrollment courses (all of which count toward the 12 required honors courses),
- Successfully complete **4** sequential years of the same foreign language,
- Successfully complete **4** years of science,
- Successfully complete **4** years of social studies,
- Successfully complete Speech Honors,
- Maintain a minimum weighted GPA of 3.5 with no semester grade below C (one semester probation period permitted).

## NATIONAL HONOR SOCIETY

“The National Honor Society (NHS) and National Junior Honor Society (NJHS) are the nation's premier organizations established to recognize outstanding high school and middle level students. More than just an honor roll, NHS and NJHS serve to honor those students who have demonstrated excellence in the areas of Scholarship, Leadership, Service, and Character (and Citizenship for NJHS). These characteristics have been associated with membership in the organization since their beginnings in 1921 and 1929.” National Honor Society. (2009). *About Us*. Retrieved December 3, 2009, from NHS: [www.nhs.us](http://www.nhs.us)

Membership is by selection only; it is not conferred automatically. In order to be selected to the National Honor Society, a student must meet several criteria.

- Membership is extended to juniors and seniors only.
- Students must have a 3.5 or higher cumulative GPA. If selected, all members must maintain a 3.5 cumulative GPA until they graduate.

Students who meet the GPA requirement must also meet the standards of outstanding character, generous service, and positive leadership. Students will be required to interview with the Faculty Council which is comprised of 5 Father Lopez teachers; recommendations from other teachers are also required in order to paint a more complete picture of whether or not a student meets the standards. Full criteria for selection are available upon request to the NHS Advisor and are published on the Father Lopez website under Honor Societies.

## FLORIDA BRIGHT FUTURES SCHOLARSHIP PROGRAM

Bright Futures offers lottery-funded scholarships for Florida graduates who demonstrate high academic achievement and enroll in eligible Florida public or private post-secondary institutions. Florida high school graduates will be required to submit a state application prior to graduation to be eligible for Florida's Bright Futures Scholarship program. Applications for Bright Futures open November 1<sup>st</sup>. **Students are responsible for completing the application through Bright Futures on their own. It is best to have this done by the end of December in their senior year.** Bright Futures determines who is awarded scholarships based on their calculation of your core GPA. Guidance will forward student transcripts to the Department of Education within two weeks of graduation. Notification from Bright Futures of eligibility will be sent to the individual. Please allow 4-6 weeks for eligibility determination. More information can be found at [www.floridastudentfinancialaid.org](http://www.floridastudentfinancialaid.org).

## Florida Academic Scholars

### Initial Eligibility Requirements for 2018 High School Graduates

<b>Grade Point Average (GPA)</b>	3.5 weighted GPA using the credits listed below, combined with the test scores and community service hours listed below. Weighting for more challenging, higher level courses is prescribed by law as .50 per course per year. (Note: GPAs are not rounded.)
<b>Community Service</b>	100 hours, as approved by the district or private school
<b>Test Scores</b>	<ul style="list-style-type: none"><li>• Best combined score of <b>1290</b> SAT I/SAT Reasoning Test (based on the combined Critical Reading and Math sections only) or best composite score of <b>29</b> ACT (excluding the writing section)</li><li>• The writing sections for both the SAT and ACT will not be used in the composite</li></ul>

# Florida Medallion Scholars

## Initial Eligibility Requirements for 2018 High School Graduates

**Grade Point Average (GPA)** 3.0 weighted GPA using the credits listed below, combined with the test scores and community service hours listed below. Weighting for more challenging, higher level courses is prescribed by law as .50 per course per year. (Note: GPAs are not rounded.)

**Community Service** 75 hours, as approved by the district or private school

**Test Scores**

- Best combined score of **1170** SAT I/SAT Reasoning Test (based on the combined Critical Reading and Math sections only) or best composite score of **26** ACT (excluding the writing section)
- The writing sections for both the SAT and ACT will not be used in the composite

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## COLLEGE & UNIVERSITY CREDIT ELIGIBLE PROGRAMS

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### ADVANCED PLACEMENT (AP) COURSES

Advanced Placement courses are offered in mathematics, science, English, fine arts and social studies. Advanced Placement courses are college-level courses for academically capable students taken on the Father Lopez Catholic High School campus. Students have the option to sit for an exam written by the College Board in an effort to gain college credit. College credit or placement may be awarded at the discretion of the college or university a student attends. Students must have a “B” average in a subject and receive instructor permission to register for an AP course. If students are taking the exam, they will be invoiced for the cost of the AP exam.

### ADVANCED PLACEMENT COURSE OFFERINGS

AP United States History

AP United States Government and Politics

AP Psychology

AP Human Geography

AP World History

AP Macroeconomics

AP Physics

AP Studio Art

AP Biology

AP Calculus AB

AP Calculus BC

AP Spanish

AP Chemistry

AP Environmental Science

## DUAL ENROLLMENT (DE) COURSES

Father Lopez students in 11<sup>th</sup> and 12<sup>th</sup> grades may choose to earn college credit while attending high school through our Dual Enrollment agreement with Daytona State College, Embry-Riddle Aeronautical University and/or St. Thomas University. There is no fee for Embry-Riddle Dual Enrollment for classes offered on the Father Lopez Campus. Dual Enrollment courses through St. Thomas University are offered at a fee of \$180 per semester. Dual Enrollment courses through Daytona State for Spring 2018 will have a fee of \$50. Dual Enrollment courses are college courses for academically capable students taught by qualified Father Lopez Catholic High School faculty members and/or adjunct faculty from colleges on the Father Lopez campus. Students participating in DE courses are expected to perform college-level work and will be held to college standards for grading. All grades earned in Dual Enrollment classes are recorded on an official transcript from the university that offered the course. All credits earned may be transferred at the discretion of the college or university a student attends.

- To get credit at YOUR college for any DE courses you will need to order OFFICIAL transcripts from the institution that provided the DE course. (i.e. DSC, St. Thomas, Embry-Riddle).
- College credit is NOT provided by FLCHS. Your high school can only provide you the high school credit for the course.

If a student wants to take a class outside of the scope of our current DE program, they must register at DSC as a non-degree seeking student and pay out of pocket for the class. The class cannot be during the Father Lopez school day. If it is a class that Father Lopez offers, the student can take the class at DSC, but will also be required to take the same class at Father Lopez to meet Father Lopez graduation requirements. This class is not considered DE, and should not be included as so on a Father Lopez transcript. As a non-degree seeking student, Father Lopez will not be responsible for add/drop or registering of courses. The individual student is to know all of the requirements.

## ELIGIBILITY FOR DUAL ENROLLMENT

Students must have a minimum 3.0 un-weighted cumulative G.P.A. and passing scores from any one of the following tests to gain admission:

- SAT: 440 Reading
- ACT: 19 Reading, 17 English
- PERT: 106 Reading, 103 Writing

The PERT should be taken at the end of the student's sophomore or junior year in order to begin Daytona State Dual Enrollment classes in the fall. Foreign language students are required to take the Assessment of Prior Learning Experience (APLE) at Daytona State College. For questions, please contact the Director of Counseling or Director of Curriculum & Learning.

## DUAL ENROLLMENT COURSE OFFERINGS

**\*denotes fee associated with course**

DE College Composition/Literature and Composition\* (ENC1101/ENC1102 – 6 college credits)

DE Survey of English Literature\* (ENL 2012 – 3 college credits)

DE French IV\* (FRE2220/FRE2221 – 8 college credits)

DE Spanish IV\* (SPN2220/SPN2221 – 8 college credits)

DE Theology 11\* – 1 semester (REL 2750 – 3 college credits)

DE Theology 12\* (STM 106 and REL 2300 – 6 college credits)

DE Principles of Aeronautical Science (AS 120 – 3 college credits)







DE Unmanned Aircraft Systems (AS 220 – 3 college credits)

DE Private Pilot Operations (AS 121 – 5 college credits)



# Father Lopez Catholic High School Embry-Riddle Aeronautical University – Gaetz Aerospace Institute Green Wave Aviation Dual Enrollment Program

Father Lopez Catholic High School, in partnership with the Gaetz Aerospace Institute at Embry-Riddle Aeronautical University, offers a unique Dual-Enrollment opportunity in the Aviation and Unmanned Aircraft System fields. As the program builds out over the next few years, this seven-semester program will include the opportunity for students to earn 17 college credits and will offer several professional qualifications, including FAA Private Pilot Ground School and the Unmanned Safety Institute Small Unmanned Aircraft Safety Certificate.

Green Wave Aviation Option 1	Freshman	Sophomore	Junior	Senior
<b>Fall Semester</b>  	<b>Aviation Technology</b> <ul style="list-style-type: none"> <li>one semester</li> <li>not for college credit</li> </ul>	<b>AS 121 Private Pilot Operations</b> <ul style="list-style-type: none"> <li>full one-year course</li> </ul>	<b>AS 220 Unmanned Aircraft Systems</b> <ul style="list-style-type: none"> <li>3 credits</li> <li><b>*USI Cert.</b></li> <li>Prerequisite: AS 120 <u>or</u> AS 121</li> </ul>	<b>AS 295 Unmanned Aircraft Systems Photogrammetry</b> <ul style="list-style-type: none"> <li>3 credits</li> <li>Prerequisite: AS 235</li> </ul>
<b>Spring Semester</b>  <p><small>* Successful completion of the this course earns an industry certificate</small></p>	<b>Aviation Technology</b> <ul style="list-style-type: none"> <li>one semester</li> <li>not for college credit</li> </ul>	<ul style="list-style-type: none"> <li>5 credits</li> <li><b>*FAA Ground School Certificate</b></li> </ul>	<b>AS 235 Unmanned Aircraft Systems – Operations &amp; Mapping</b> <ul style="list-style-type: none"> <li>3 credits</li> <li>Prerequisite: AS 220</li> </ul>	<b>BA 201 Principles of Management</b> <ul style="list-style-type: none"> <li>3 credits</li> </ul>
Green Wave Aviation Option 2	Freshman	Sophomore	Junior	Senior
<b>Fall Semester</b>  	<b>Aviation Technology</b> <ul style="list-style-type: none"> <li>one semester</li> <li>not for college credit</li> </ul>	<b>AS 120 Principles of Aviation</b> <ul style="list-style-type: none"> <li>3 credits</li> </ul>	<b>AS 220 Unmanned Aircraft Systems</b> <ul style="list-style-type: none"> <li>3 credits</li> <li><b>*USI Cert.</b></li> <li>Prerequisite: AS 120 <u>or</u> AS 121</li> </ul>	<b>AS 295 Unmanned Aircraft Systems Photogrammetry</b> <ul style="list-style-type: none"> <li>3 credits</li> <li>Prerequisite: AS 235</li> </ul>
<b>Spring Semester</b>  <p><small>* Successful completion of the this course earns an industry certificate</small></p>	<b>Aviation Technology</b> <ul style="list-style-type: none"> <li>one semester</li> <li>not for college credit</li> </ul>		<b>AS 235 Unmanned Aircraft Systems – Operations &amp; Mapping</b> <ul style="list-style-type: none"> <li>3 credits</li> <li>Prerequisite: AS 220</li> </ul>	<b>BA 201 Principles of Management</b> <ul style="list-style-type: none"> <li>3 credits</li> </ul>

## SAMPLE FOUR-YEAR CURRICULUM PLAN

No two students are alike; likewise, no two curriculum plans will be alike. This information is provided as a guide to show how a student may progress through high school. This guide does not replace face-to-face advising from Guidance.

Grade 9	Grade 10	Grade 11	Grade 12
Theology 9	Theology 10	Theology 11 DE Theology/ Theology 11	Theology 12 DE Theology
English I English I Honors	English II English II Honors	English III English III Honors DE English	English IV English IV Honors DE English DE Literature / Great Books Honors
Spanish I Spanish I Honors French I	Spanish II Spanish II Honors French II French II Honors	Spanish III Spanish III Honors French III French III Honors	Spanish IV Spanish IV Honors DE Spanish AP Spanish DE French
Algebra I Algebra I Honors Geometry Geometry Honors	Liberal Arts Mathematics Geometry Geometry Honors Algebra II Algebra II Honors	Geometry Geometry Honors Algebra II Algebra II Honors Pre-Calculus Honors Advanced Topics in Math Statistics Honors AP Calculus AB	Algebra II Algebra II Honors Pre-Calculus Honors Advanced Topics in Math Statistics Honors AP Calculus AB AP Calculus BC
Biology Biology Honors Principles of Biomedical Science Honors	Chemistry Chemistry Honors Marine Science Environmental Science Principles of Biomedical Science Honors	Chemistry Chemistry Honors Marine Science Environmental Science Anatomy Honors AP Chemistry AP Environmental AP Biology AP Physics Principles of Biomedical Science Honors	Chemistry Chemistry Honors Marine Science Environmental Science Anatomy Honors AP Chemistry AP Environmental AP Biology AP Physics Principles of Biomedical Science Honors
World Cultural Geography AP Human Geography Humanities Honors	World History World History Honors AP World History	United States History United States History Honors AP US History Economics with Fin Lit Economics with Fin Lit Honors AP Macroeconomics	United States Government United States Government Honors AP United States Government Economics with Fin Lit Economics with Fin Lit Honors AP Macroeconomics
Personal Fitness	PE Elective	Elective	Elective
Social Media I	Elective	Elective	Elective

# FOUR-YEAR CURRICULUM PLAN GUIDE

To customize your student four-year plan, please see the FLCHS Guidance Schoology Course **CF6PH-FZRHT**

Enter the classes you have already taken and include the level (reg, H, AP,DE) and the number of credits. Please personalize this worksheet based on your individual schedule. It is designed to help you meet all graduation requirements and stay organized over your four years of high school. Consider entering courses still needed in italics or highlighting them to help yourself remember what still needs to be taken. This is "fluid" and will change each year as you progress and change.

Freshman year				Sophomore Year				
	Class	Level	Credit		Class	Level	Credit	
	Theology	reg	1		Theology	reg	1	
	English	H	1		English	H	1	
	Biology	H	1		Chemistry	H	1	
	Math	H	1		Math	H	1	
	Foreign Language	Span.	1		Foreign Language	Span.	1	
	Social Studies	AP Human Geography	AP	1	Social Studies	World History	AP	1
	Elective	Communications Honor	H	0.5	Elective(s)			
	PE	Personal Fitness	reg	0.5				
		<b>total credits:</b>	<b>7</b>			<b>total credits:</b>	<b>6</b>	
Junior Year				Senior Year				
	Class	Level	Credit		Class	Level	Credit	
	Theology	reg	1		Theology	reg	1	
	English	H	1		English		1	
	Science	H	1		Math		1	
	Math	H	1		Foreign Language	Span.	1	
	Foreign Language		1		Social Studies	Govt. + Econ	1	
	Social Studies	APUSH	AP	1	Social Studies	Economics	0.5	
	Elective(s)				Elective(s)			
		<b>total credits:</b>	<b>6</b>			<b>total credits:</b>	<b>5.5</b>	
<b>Graduation Requirements:</b>	minimum of 7 credits per year							
Science (All students must take Biology, Chemistry, and 1 other lab science)	3 credits			Social Studies	World 1 credit U.S. 1 credit Gov. /Econ .5/.5 credit			
Theology	4 credits			Foreign Language	2 credits			
Math (Alg 1 and above)	4 credits			Prf/Fine/Prac Arts	1 credit			
English	4 credits			Physical Education	1 credit			
Online	1 course (.5 credit min.)			Electives	5.5 credits			

## **ELECTIVE OFFERINGS FOR 2018-2019**

### **English**

Great Books Honors  
Social Media I

### **Mathematics**

Test Taking Skills and Strategies

### **Performing/Fine/Practical Arts**

Art 2-D I, II  
Art 3-D I, II  
AP Studio Art  
Visual Technology I, II  
Speech II Honors  
Yearbook I, II  
Introduction to Drama  
Theatre, Cinema and Film Productions

### **Science**

DE Principles of Aeronautical Science  
DE Unmanned Aircraft Systems  
DE Private Pilot Operations  
Introduction to Aerospace & Flight Technology  
Anatomy & Physiology Honors  
Marine  
Environmental  
Principles of Biomedical Science Honors

### **Social Studies**

AP Psychology  
AP Human Geography  
AP Macroeconomics  
Philosophy Honors  
Sociology  
Psychology

### **Physical Education**

Advanced Weight Training  
Beginning Weight Training  
Care and Prevention of Athletic Injuries  
Team Sports I, II  
Personal Fitness

\*SUS denotes that the Florida State University System recognizes this course when re-calculating core GPA

\*BF denotes that the Florida Bright Futures system recognizes this course when re-calculating core GPA

\*\$ denotes that a fee is associated with the course

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## ENGLISH AND LANGUAGE ARTS

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*As a department, we foster effective communication by our rigorous coursework, homework and practical experiences in writing, oral and aural exercises.*

Regardless of credits earned, all students must take English for every semester that they attend Father Lopez Catholic High School.

### **DE ENGLISH – SURVEY OF LITERATURE**

**CREDIT = 0.5 COLLEGE CREDIT = 3.0**

**GRADE 12**

**SEMESTER**

**Prerequisite: “B” or better in previous DE English class. 3.0 unweighted GPA and teacher recommendation. ENC 1101 must be completed prior to taking this course.**

The purpose of this course is to provide a focus for literature study. Students explore themes, examine cultural or literary movements, or analyze historical eras. Students will study a variety of literary texts representing different genres of imaginative literature. Possible Areas of Focus: Literature of Fantasy, Science Fiction, The Family, Growing Up in America, The Great War, Detective/Crime Literature, Drama on Broadway, Classical Literature, The Epic, etc. Students will complete at least three different, formal writing tasks in this course, totaling at least 2,500 words (about ten pages) of formal writing. All formal written work must be at least adequate college-level writing. **SUS/BF \$**

**Special Note: Students planning to attend colleges outside of Florida should verify acceptance of dual enrollment credits. All in-state public universities and many private Florida colleges grant three credits for ENL2012 dual enrollment. It is the student’s responsibility to verify acceptance of DE credits with the colleges of choice.**

### **DE ENGLISH - WRITING**

**CREDIT = 1.0 COLLEGE CREDIT = 6.0**

**GRADES 11-12**

**FULL YEAR**

**Prerequisite: “B” or better in previous English Honors class or “A” in previous regular English class, 3.0 unweighted GPA and teacher recommendation**

These courses, ENC 1101 (Introduction to Composition) and ENC 1102 (Writing with Research), are designed to challenge the motivated student to perform college-level work. ENC 1101 requires extensive writing in several modes: narrative, argument, and inform/explain. Students will write five essays with supplementary writing to gain proficiency in college level composition. ENC 1102 requires extensive work in the research process. Students will complete two 2,500 word papers (ten pages): An Evidence-Based Argument and a Hero’s Journey Research Paper. Both papers require annotated bibliographies, formal outlines, and ten-minute presentations. The combination of the two courses meets the graduation requirement for English. **SUS/BF \$**

**Special Note: Students planning to attend colleges outside of Florida should verify acceptance of dual enrollment credits. All in-state public universities and many private Florida colleges grant six credits for ENC 1101 AND ENC 1102 dual enrollment. It is the student’s responsibility to verify acceptance of DE credits with the colleges of choice.**

**ENGLISH I  
CREDIT = 1.0**

**GRADE 9  
FULL YEAR**

This course consists of the study of grammar, writing, vocabulary and literature, as well as 21st Century learning skills. Students will practice paragraph development as it relates to narrative, argument, and information writing. The Six Traits of Writing tool is a technique used to develop and improve the skills of individual writers. Students will learn reading from a variety of texts for different purposes. Students will study beginning research skills with emphasis on note taking and documentation of sources. Students will have opportunities to explore diverse genres of literature. This course meets the graduation requirement for English. **A summer reading and/or assignment is required for this course. SUS/BF**

**ENGLISH I HONORS  
CREDIT = 1.0**

**GRADE 9  
FULL YEAR**

**Score in the top 85% or higher on the high school placement exam.**

This course will encourage academic excellence in English language arts through enriched experiences in literature (fiction, non-fiction and poetry), writing, discussion and inquiry. The content will include, but not be limited to, critical analysis of major literary genres and writing for different purposes: arguments, inform/explain papers, narratives, on-demand (SAT, ACT) essays and inquiry papers. Lessons in grammar, usage and punctuation will be studied throughout the school year. Students will frequently practice all aspects of the writing process. This course meets the graduation requirements for English. **A summer reading and/or assignment is required for this course. SUS/BF**

**ENGLISH II  
CREDIT = 1.0**

**GRADE 10  
FULL YEAR**

Students will study major literary trends and philosophies of world literature. This course surveys authors from Europe, Asia, Africa and South America, as well as selected literary works by U.S. authors. Exercises in composition with emphasis on paragraph construction, vocabulary and grammar are integral elements of this course. This course meets the graduation requirement for English. **A summer reading and/or assignment is required for this course. SUS/BF**

**ENGLISH II HONORS  
CREDIT = 1.0**

**GRADE 10  
FULL YEAR**

**Prerequisite: "B" in English Honors/ "A" in English I and teacher recommendation.**

The content of this course is a more intensive study of world literature, including authors from Europe, Asia, Africa and South America. Major literary trends and philosophies will be examined in detail. This honors course requires students to write with more depth of understanding, with a greater stylistic control over content and with a higher level of precision concerning mechanics. For this reason, challenging exercises in composition, vocabulary and grammar are integral elements of this course, which includes timed essay writing in preparation for the SAT writing section. This course meets the graduation requirement for English. **A summer reading and/or assignment is required for this course. SUS/BF**

**ENGLISH III  
CREDIT = 1.0**

**GRADE 11  
FULL YEAR**

This course includes the study of the development of American literature from the Puritan to contemporary periods. The course investigates the major literary and philosophical trends of American authors. Students will read, analyze and discuss novels, plays, short stories, poems and essays by American authors. Writing a research paper using Modern Language Association (MLA) format is a major component of this course, as well as formal speaking skills demonstrated through oral presentation of research. In addition, the course provides for intensive practice in timed essay writing in preparation for the SAT writing section. One or two classic literary works may be required home reading each grading period. This course meets the graduation requirement for English. **A summer reading and/or assignment is required for this course. SUS/BF**

**ENGLISH III HONORS****CREDIT = 1.0****GRADE 11****FULL YEAR****Prerequisite: "B" in English Honors/ "A" in English II and teacher recommendation.**

This course generally covers the same material as English III, but it requires additional reading and writing assignments. English III Honors also requires students to write with more depth of analysis and at a higher level in terms of both content and mechanics. In addition, this course helps prepare those students who qualify advanced English courses. Two or three classic literary works may be required home reading each grading period. This course meets the graduation requirement for English. **A summer reading and/or assignment is required for this course. SUS/BF**

**ENGLISH IV****CREDIT = 1.0****GRADE 12****FULL YEAR**

This course consists of an in-depth study of British literature from the Anglo-Saxon period to the Modern Age. Students will develop the ability to comprehend, interpret and analyze major literary works through class discussions and critical essays. Writing, vocabulary and grammar skills will be enhanced through regular in-class papers. Students may be required to write a research paper using the MLA format. This course meets the graduation requirement for English. **A summer reading and/or assignment is required for this course. SUS/BF**

**ENGLISH IV HONORS****CREDIT = 1.0****GRADE 12****FULL YEAR****Prerequisite: "B" in English Honors/ "A" in English III and teacher recommendation.**

This course generally covers the same material as English IV, but it requires additional reading and writing assignments. English IV Honors also requires students to write with more depth of analysis and at a higher level in terms of both content and mechanics. Two or three additional classic literary works may be required home reading. This course meets the graduation requirement for English. **A summer reading and/or assignment is required for this course. SUS/BF**

**GREAT BOOKS HONORS****CREDIT = 0.5****GRADE 12****SEMESTER**

The purpose of this course is to enable students, using texts of high complexity, to develop knowledge of great literature through advanced integrated educational experiences of reading, writing, speaking and listening, and language. Emphasis will be on representative "great books," including ones with varied cultural influences, highlighting the major genres, themes, issues, and influences associated throughout the literary period. This is an English elective and does not meet the graduation requirement for English. **SUS/BF**

**SOCIAL MEDIA 1****CREDIT = 0.5****GRADES 9-12****SEMESTER**

This purpose of this course is to enable students to develop fundamental skills in the use of social media across print, multimedia, web, and broadcast platforms, including ethical and legal uses. **SUS/BF**

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## FOREIGN LANGUAGES

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*The mission of the Foreign Language Department is to prepare students to communicate with fluency in an increasingly global society. Foreign Language study enhances students' understanding of English and of the nature of language itself. We encourage students' discovery of connections to the French and Spanish speaking worlds in their homes and communities. We strive to provide students with a Christ-centered, intellectual opportunity for the transfer of learning to other disciplines. We create a positive atmosphere for language learning and work to inspire enthusiasm for languages and cultures.*

### **AP – SPANISH LANGUAGE & CULTURE CREDITS 1.0**

**GRADES 11- 12  
FULL YEAR**

**Prerequisite: Completion of Spanish IV Honors, or DE 2220/2221 with an “A”. Access to internet at home is required.**

This course presents in-target-language authentic reading selections, listening activities, thematic short films, and cultural studies based upon the six Advanced Placement themes: Family and Communities, Science and Technology, Beauty and Aesthetics, Contemporary Life, World-wide Challenges, and Personal and Public Identities. Students experience in-depth advanced language development as they are immersed in interpretive print and audio communication, interpersonal writing, presentational essay writing, interpersonal speaking and presentational speaking. Students are offered extensive opportunities for the enjoyment of customs, ideas, art, music, and cultural comparisons they engage in extensive practice in presentational mode and recording, listening comprehension, critical analysis of authentic readings, and composition writing on a variety of topics. This course encompasses in-depth language laboratory practice in the form of online homework. **A summer reading and/or assignment is required for this course. AP Exam is optional for students who have received credit in Dual Enrollment Spanish SPN 2220 and 2221. SUS/BF**

### **DE FRENCH CREDIT = 1.0 COLLEGE CREDIT = 8.0**

**GRADES 11-12  
FULL YEAR**

**Prerequisite: “B” or higher in French III Honors, 3.0 unweighted GPA, and teacher recommendation. Students must also apply and be admitted to Daytona State College and pass the PERT college placement test or achieve acceptable scores on SAT or ACT tests and take and pass the DSC French Placement exam. This class is conducted 95-100% in target language. Access to the internet at home is required.**

Students are immersed in a communicative language learning environment incorporating advanced vocabulary and grammatical forms. Opportunities for enjoyment of customs, ideas, art, music, and heritage increase as students engage in advanced speaking, listening, reading, writing, and cultural studies. Readings from newspapers and magazines for purpose of oral and written presentations in French. Three-hour class instruction and two-hour language laboratory presented in the form of online homework. Students are given greater opportunities for written self-expression. This course meets the graduation requirement for Foreign Language. **A summer reading and/or assignment is required for this course. SUS/BF \$**

**Special Note: Students planning to attend colleges outside of Florida should verify acceptance of dual enrollment credits. All in-state public universities and many private Florida colleges grant 8 credits for FRE 2220 and FRE 2221 dual enrollment. It is the student’s responsibility to verify acceptance of DE credits with the colleges of choice.**



**DE SPANISH**  
**CREDIT = 1.0 COLLEGE CREDIT = 8.0**

**GRADES 11-12**  
**FULL YEAR**

**Prerequisite: Spanish III Honors, 3.0 unweighted GPA, and teacher recommendation. Access to the internet at home is required.**

Students are immersed in a communicative language learning environment incorporating advanced vocabulary and grammatical forms. This course presents in-target-language authentic reading selections and thematic short films. Opportunities for enjoyment of customs, ideas, art, music, and heritage increase as students engage in advanced speaking, listening, reading, writing, and cultural studies. This course provides a sampling of Spanish-language literary works with an emphasis on vocabulary and response to foreign literary styles. Students are given greater opportunities for written self-expression. Readings from newspapers and magazines for purpose of oral and written presentations in Spanish. Three-hour class instruction and two-hour language laboratory presented in the form of online homework. This course meets the graduation requirement for Foreign Language. **A summer reading and/or assignment is required for this course. SUS/BF \$**

**Special Note: Students planning to attend colleges outside of Florida should verify acceptance of dual enrollment credits. All in-state public universities and many private Florida colleges grant 8 credits for SPN 2220 and SPN 2221 dual enrollment. It is the student's responsibility to verify acceptance of DE credits with the colleges of choice.**

**FRENCH I**  
**CREDIT = 1.0**

**GRADES 9-12**  
**FULL YEAR**

The purpose of this course is to introduce students to the French language and its culture. Such a study will help students appreciate and function in an increasingly global society. Students will begin to develop communication skills through speaking, listening, writing and reading. Basic vocabulary and grammar will be learned. A variety of materials will be used and different learning styles will be addressed. Students are encouraged to participate in the Global Exploration Club. This course meets the graduation requirement for Foreign Language. **SUS/BF**

**FRENCH II**  
**CREDIT = 1.0**

**GRADES 9-12**  
**FULL YEAR**

**Prerequisite: French I. This class is conducted 75-85% in target language.**

This course is a continuation of French I with increased emphasis on communicative proficiency through speaking listening, writing, and reading. By the end of the year, students will be able to express themselves more easily and accurately in the target language. Vocabulary and grammar are expanded and knowledge of French-speaking cultures is broadened. Students are encouraged to participate in the Global Exploration Club. This course meets the graduation requirement for Foreign Language. **SUS/BF**

**FRENCH II HONORS**  
**CREDIT = 1.0**

**GRADES 9-12**  
**FULL YEAR**

**Prerequisite: "B" for the second semester of French I and teacher recommendation. This class is conducted 85-90% in target language.** This course is a more rigorous continuation of French I with increased emphasis on communicative proficiency through speaking, listening, writing, and reading. By the end of the year, students will be able to express themselves more easily and accurately in the target language through consistent preparation and meeting deadlines. Vocabulary and grammar are expanded and knowledge of French-speaking cultures is broadened. Students are encouraged to participate in the Global Exploration Club. This course meets the graduation requirement for Foreign Language. **SUS/BF**

**FRENCH III HONORS**  
**CREDIT = 1.0**

**GRADES 9-12**  
**FULL YEAR**

**Prerequisite: French I and French II and teacher recommendation. This class is conducted 90-100% in target language. Access to the Internet at home is required.**

Students are immersed in a communicative language learning environment incorporating increasingly advanced vocabulary and grammatical forms. Furthermore, students demonstrate consistent preparation and meeting deadlines. Opportunities for enjoyment of French customs, ideas, and heritage are infused through the curriculum as students increasingly engage in speaking, listening, reading, writing, and cultural studies. This course meets the graduation requirement for Foreign Language. **A summer reading and/or assignment is required for this course. SUS/BF**

**FRENCH IV HONORS**  
**CREDIT = 1.0**

**GRADES 10-12**  
**FULL YEAR**

**Prerequisite: French III Honors and teacher recommendation. This class is conducted 95-100% in target language. Access to the internet at home is required.**

Students are immersed in a communicative language learning environment incorporating advanced vocabulary and grammatical forms. Furthermore, students demonstrate consistent preparation and meeting deadlines. Opportunities for enjoyment of customs, ideas, art, music, and heritage increase as students engage in advanced speaking, listening, reading, writing, and cultural studies. Readings from newspapers and magazines for purpose of oral and written presentations in French. Three-hour class instruction and two-hour language laboratory presented in the form of online homework. Students are given greater opportunities for written self-expression. This course meets the graduation requirement for Foreign Language. **A summer reading and/or assignment is required for this course. SUS/BF**

**SPANISH I**  
**CREDIT = 1.0**

**GRADES 9-12**  
**FULL YEAR**

The purpose of this course is to introduce students to the target language and its culture. Such a study will be within the framework of helping students to appreciate and to function in an increasingly global society. Students will begin to develop communication skills through speaking and listening, followed by writing and reading. Basic vocabulary and grammar will be presented. A variety of materials will be used and different learning styles will be addressed. Students may participate in the Global Exploration Club. This course meets the graduation requirement for Foreign Language. **SUS/BF**

**SPANISH I HONORS**  
**CREDIT = 1.0**

**GRADES 9-12**  
**FULL YEAR**

This Spanish I Honors course is a fast-tracked program that immerses students in the target language and its culture. Such a study is presented with the use of advanced target language for students to function in an increasingly global society. Students will develop communication skills through speaking and listening, followed by writing and reading. Vocabulary and grammar will be presented. A variety of materials will be used and different learning styles will be addressed. Students are encouraged to participate in the Global Exploration Club. Students will be expected to demonstrate consistent preparation and meet deadlines. This course meets the graduation requirement for Foreign Language. **SUS/BF**

**SPANISH II**  
**CREDIT = 1.0**

**GRADES 9-12**  
**FULL YEAR**

**Prerequisite: Spanish I. For 9th grade students, the Father Lopez Catholic High School Spanish placement test is required. This class is conducted 75-85% in target language.**

This course is a continuation of Spanish I. It has increased emphasis on speaking and writing. Vocabulary and grammar are expanded as well. The textbook may be supplemented by additional literary materials and cultural supplements. Students are encouraged to participate in the Global Exploration Club. This course meets the graduation requirement for Foreign Language. **SUS/BF**

**SPANISH II HONORS**  
**CREDIT = 1.0**

**GRADES 9-12**  
**FULL YEAR**

This Spanish II Honors course is a fast-tracked program that immerses students in the target language and its culture. Such a study is presented with the use of advanced target language for students to function in an increasingly global society. Students will develop skills through speaking and listening, followed by writing and reading. Vocabulary and grammar will be presented. A variety of materials will be used and different learning styles will be addressed. Students will be expected to demonstrate consistent preparation and meet deadlines. This course meets the graduation requirement for Foreign Language. **SUS/BF**

**SPANISH III HONORS**  
**CREDIT = 1.0**

**GRADES 10-12**  
**FULL YEAR**

**Prerequisite: Spanish II and teacher recommendation. This class is conducted 95 -100% in target language. Access to the internet at home is required.**

Students are immersed in a communicative language learning environment incorporating increasingly advanced vocabulary and grammatical forms. This course presents a variety of in-target-language authentic reading selections and thematic short films, based upon the study of Spanish-speaking countries. Opportunities for enjoyment of customs, ideas, and heritage increase as students engage in extensive speaking, listening, reading, writing, and cultural studies. Students will be expected to demonstrate consistent preparation and meet deadlines. This course meets the graduation requirement for Foreign Language. **A summer reading and/or assignment is required for this course. SUS/BF**

**SPANISH IV HONORS**  
**CREDIT = 1.0**

**GRADES 10-12**  
**FULL YEAR**

**Prerequisite: Spanish III Honors and teacher recommendation. This class is conducted 95 -100% in target language. Access to the internet at home is required.**

Students are immersed in a communicative language learning environment incorporating advanced vocabulary and grammatical forms. This course presents in-target-language authentic reading selections and thematic short films. Opportunities for enjoyment of customs, ideas, art, music, and heritage increase as students engage in advanced speaking, listening, reading, writing, and cultural studies. This course provides a sampling of Spanish-language literary works with an emphasis on vocabulary and response to foreign literary styles. Students are given greater opportunities for written self-expression. Students will be expected to demonstrate consistent preparation and meet deadlines. This course meets the graduation requirement for Foreign Language. **A summer reading and/or assignment is required for this course. SUS/BF**

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# MATHEMATICS

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*We help students find a greater appreciation for the challenges and complexities of Mathematics, including various real-world applications such as problem-solving and technology.*

## **ADVANCE TOPICS IN MATHEMATICS**

**CREDIT = 1.0**

**GRADES 11-12**

**FULL YEAR**

**Prerequisite: Completion of Algebra II.**

This course reviews basic algebra and progresses through more advanced topics. Emphasis will be placed on the study of functions, and their graphs, inequalities, and linear, quadratic, piece-wise defined, rational, polynomial, exponential, and logarithmic functions. Appropriate applications will be included. This course meets the graduation requirement for Mathematics. **SUS/BF**

## **ALGEBRA I**

**CREDIT = 1.0**

**GRADES 9**

**FULL YEAR**

Algebra I provides a formal development of the algebraic skills and concepts necessary for students to succeed in advanced courses. Topics covered include sets, real number system, variables and algebraic expressions, solving and graphing linear equations, and inequalities, polynomials, factoring, rational expressions, application problems, solving quadratic equations and problem solving. A combination of hands on exploration of content and collaboration are critical components of this very important and enriching course. This course meets the graduation requirement for Mathematics. **SUS/BF**

## **ALGEBRA I HONORS**

**CREDIT = 1.0**

**GRADES 9**

**FULL YEAR**

**Prerequisite: Score in the 85% or higher on the high school placement test.**

Honors Algebra I prepares students for more advanced mathematics courses. Topics include algebraic tools, functions, equations and inequalities, graphs, linear systems, quadratics, polynomials, radicals, exponents. The course is expanded with an in-depth level of instruction, an accelerated pace, challenging assessments, and a cooperative learning environment. The course guides students in the development of critical thinking skills and algebraic problem-solving skills which provide the foundation for real world problem-solving. It is targeted to highly motivated students who have previous work with Pre-algebra. Honors Mathematics courses are intended to be more challenging than standard courses and provide multiple opportunities for students to take greater responsibility for their learning. Honors Mathematics courses should be distinguished by a difference in the quality of the work expected rather than merely by the quantity of the work required. This course meets the graduation requirement for Mathematics.

**SUS/BF**

## **ALGEBRA II**

**CREDIT = 1.0**

**GRADES 10-12**

**FULL YEAR**

**Prerequisite: Completion of Geometry.**

Algebra II is designed to build on previously learned algebraic and geometric concepts. The course is designed to revisit the linear and quadratic families of functions introduced in Algebra I and introduce more complicated families of functions such as exponential, logarithmic, radical, and rational. Topics learned in this course are important for students' success on the ACT, SAT, and college mathematics entrance exams. This course meets the graduation requirement for Mathematics. **SUS/BF**

**ALGEBRA II HONORS****CREDIT = 1.0****GRADES 10-12****FULL YEAR**

**Prerequisite: “B” or above in Geometry/ Honors and teacher recommendation. If Geometry was not taken at Father Lopez, placement into this course is determined by entrance exam score, Algebra I final grade and Geometry final grade.**

In this course, students will extend topics introduced in Algebra I and learn to manipulate and apply more advanced functions and algorithms. Topics include functions, polynomials, rational expressions, systems of functions and inequalities, work with advanced families of functions. Students will be expected to describe and translate among graphic, algebraic, numeric, tabular, and verbal representations of relations and use those representations to solve problems. Students will also work with complex numbers, conic sections, and data analysis. Foundational work with trigonometry will be introduced. Appropriate technology, from manipulatives to calculators and application software, will be used regularly for instruction and assessment. Upon successful completion of this course, students will be prepared for honors pre-calculus and other higher-level mathematics courses. Honors Mathematics courses are intended to be more challenging than standard courses and provide multiple opportunities for students to take greater responsibility for their learning. Honors Mathematics courses should be distinguished by a difference in the quality of the work expected rather than merely by the quantity of the work. **SUS/BF**

**AP CALCULUS AB****CREDIT = 1.0****GRADES 11-12****FULL YEAR**

**Prerequisite: “B” or above in Pre AP Pre-calculus and teacher recommendation.**

AP courses in calculus consist of a full high school academic year of work and are comparable to calculus courses in colleges and universities. Students will be studying the ideas of functions, graphs, limits, derivatives and integrals as outlined in the AP Calculus Course description (as it appears on the AP Central website). The intent is for students to master the fundamentals of calculus in order to succeed on the AP Calculus AB exam and be adequately prepared to be successful in higher mathematics courses. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. All students are required to take the AP exam. **Students must purchase a TI-Nspire graphing calculator.** **SUS/BF**

**AP CALCULUS BC****CREDIT = 1.0****GRADES 12****FULL YEAR**

**Prerequisite: “B” or high in AP Calculus AB and teacher recommendation.**

This highest-level course reviews all the topics of AP Calculus AB and progresses through the study of more advanced topics in calculus in preparation for the BC exam. AP Calculus BC is roughly equivalent to both first and second semester college calculus courses and extends the content learned in AB to different types of equations and introduces the topic of sequences and series. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. All students are REQUIRED to take the AP exam. **Students must have a TI-Nspire graphing calculator.** **SUS/BF**

**GEOMETRY****CREDIT = 1.0****GRADES 10-11****FULL YEAR**

**Prerequisite: Completion of Algebra I.**

This course develops a logical system of Geometry using the inductive and deductive processes of reasoning. Topics include lines, planes, angles, polygons, congruencies, geometric inequalities, parallel lines and perpendicular lines, areas of polygonal regions, similarity, circle and spheres, constructions, areas of circles and sectors, volumes of solids, plane coordinate geometry, two-column proofs, and an introduction to trigonometry. This course meets the graduation requirement for Mathematics. **SUS/BF**

**GEOMETRY HONORS****CREDIT = 1.0****GRADES 9-10****FULL YEAR**

**Prerequisite: “B” or above in Algebra I Honors at FLCHS, or an “A” in Algebra I at FLCHS with teacher recommendation. If Algebra I was not taken at FLCHS, placement into this course is determined by placement exam score, Algebra I final grade, and Algebra I teacher recommendation from previous school.**

Geometry Honors is a rigorous and in-depth study of Geometry with emphasis on methods of proof and the formal language of mathematics. Inductive and deductive thinking skills are used in problem solving situations, and applications to the real world are stressed. This course is designed for Students who are advanced in mathematics and excel at mathematical problem solving. Honors Mathematics courses are intended to be more challenging than standard courses and provide multiple opportunities for students to take greater responsibility for their learning. Honors Mathematics courses should be distinguished by a difference in the quality of the work expected rather than merely by the quantity of the work. This course meets the graduation requirement for Mathematics. **SUS/BF**

**LIBERAL ARTS MATHEMATICS****CREDIT = 1.0****GRADE 10****FULL YEAR**

**Prerequisites: Completion of Algebra I.**

This course will explore basic algebraic fundamentals such as evaluating, creating, solving and graphing linear, quadratic, and polynomial functions. The course also focuses on skills and methods of linear, quadratic, coordinate, and plane geometry. In addition, students will gain solid experience with geometric calculations and coordinate graphing, methods of formal proof, and techniques of construction. Furthermore, students will explore similarity and congruence of polygons, as well as area and volume of three-dimensional solids. Lastly, students will extend their knowledge of statistical data represented in distributions and graphical interpretations. **SUS/BF**

**PRE CALCULUS HONORS****CREDIT = 1.0****GRADES 11-12****FULL YEAR**

**Prerequisite: Completion of Algebra II/ Honors and teacher recommendation.**

This course is designed to cover topics in Algebra ranging from polynomial, rational, and exponential functions to conic sections. Trigonometry concepts such as Law of Sines and Cosines will be introduced. Students will then begin analytic geometry and prepare for calculus concepts such as limits, derivatives, and integrals. This course is intended for the serious college-prep student. Honors Mathematics courses are intended to be more challenging than standard courses and provide multiple opportunities for students to take greater responsibility for their learning. Honors Mathematics courses should be distinguished by a difference in the quality of the work expected rather than merely by the quantity of the work. This course meets the graduation requirement for Mathematics. **Students must purchase a TI-Nspire graphing calculator. SUS/BF**

**STATISTICS HONORS****CREDIT = 1.0****GRADES 11-12****FULL YEAR**

**Prerequisite: Completion of Algebra II and/or Pre-calculus Honors and teacher recommendation.**

This course will explore the topics of probability and statistics through the use of hands-on activities, projects, and technology. The topics will include the counting principles, theoretical and experimental probability, conditional probability, descriptive statistics, creating and analyzing graphical displays of data, probability distributions, single-sample and two-sample hypothesis testing and regression and correlation. This course meets the graduation requirement for Mathematics. **Students must purchase a TI-Nspire graphing calculator. SUS/BF**

**TEST TAKING SKILLS AND STRATEGIES****CREDIT = 0.5****GRADES 11-12****SEMESTER**

The purpose of this course is to help prepare students to take the SAT and ACT exams. Both mathematics and English/reading will be covered.

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## PERFORMING/FINE/PRACTICAL ARTS

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*The Fine Arts Department is a Christ-centered community of learners with interest in personal growth and skill development in the areas of Visual, Performing, Computer and Media arts. Through artistic exploration and expression, we believe that students have the opportunity to develop their problem-solving and critical thinking skills in a positive environment through project-based work with focus on the individual, spiritual, historical and technical aspects of Fine Arts.*

### AP STUDIO ART

**CREDIT = 1.0**

**GRADES 11-12**

**FULL YEAR**

**Prerequisite:** Art/2-D I and Art/2-D II or Art/3-D I and Art/3-DII and/or permission of the instructor.

**There is a supply fee for this class.** The purpose of this course is to give advanced students the opportunity to develop quality, concentration, discipline and breadth in 2-Dimensional or 3-Dimensional art forms. The content includes, but is not limited to, the following: experiences in the development of skills in the perceptual and conceptual aspects of 2-Dimensional or 3-Dimensional art forms, and techniques of preparation, presentation, and evaluation of portfolio content. All students are **REQUIRED** to submit an AP Portfolio. This course meets the graduation requirement for Performing Fine Arts. **A summer reading and/or assignment is required for this course. BF**

### ART/2-D I

**CREDIT = 0.5**

**GRADES 9-12**

**SEMESTER**

**There is a supply fee for this class.** The purpose of this course is to develop basic technical skills in the following 2-dimensional art forms: drawing, painting, printmaking and collage. Students will be encouraged to produce original and creative images and communicate their ideas through these 2-dimensional art forms. The elements and principles of design and an appreciation of art from various cultures and historical periods will also be addressed in this course. Students will be required to reflect on their experiences. This course meets the graduation requirement for Performing Fine Arts.

### ART/2-D II

**CREDIT = 0.5**

**GRADES 9-12**

**SEMESTER**

**Prerequisite:** Art/2-D I

**There is a supply fee for this class.** The purpose of this course is to develop advanced technical skills in the following 2-dimensional art forms: drawing, painting, printmaking and collage. Students will be encouraged to produce original and creative images and communicate their ideas through these 2-dimensional art forms. The elements and principles of design and an appreciation of art from various cultures and historical periods will also be addressed in this course. Students will be required to reflect on their experiences. This course is in preparation for AP Studio Art. This course meets the graduation requirement for Performing Fine Arts.

### ART/3-D I

**CREDIT = 0.5**

**GRADES 9-12**

**SEMESTER**

**There is a supply list/supply fee for this class.** Students explore how space, mass, balance, and form combine to create aesthetic forms or utilitarian products and structures. Instruction may include, but is not limited to, content in green or industrial design, sculpture, ceramics, or building arts. Media may include, but are not limited to, clay, wood, plaster, and paper maché with consideration of the workability, durability, cost, and toxicity of the media used. Student artists consider the relationship of scale (i.e., hand-held, human, monumental) through the use of positive and negative space or voids, volume, visual weight, and gravity to create low/high relief or freestanding structures for personal intentions or public places. They explore sharp and diminishing detail, size, position, overlapping, visual pattern, texture, implied line, space, and plasticity, reflecting craftsmanship and quality in the surface and structural qualities of the completed art forms. This course meets the graduation requirement for Performing Fine Arts.

**ART/3-D II**  
**CREDIT = 0.5**

**GRADES 10-12**  
**SEMESTER**

**Prerequisite: Art/3-D I**

**There is a supply fee for this class.** Students explore spatial relationships through the use of non objective, abstract, or representational forms, products, or structures. 3-D artists experiment with and manipulate space-producing devices, including overlapping, transparency, vertical and horizontal axis, inclined planes, disproportionate scale, fractional or abstracted representation, and spatial properties of the structural art elements. Craftsmanship and quality are reflected in the surface and structural qualities of the completed art forms. Students in the 3-D art studio focus on use of safety procedures for process, media, and techniques. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course meets the graduation requirement for Performing Fine Arts.

**INTRODUCTION TO DRAMA**  
**CREDIT = 0.5**

**GRADES 9-12**  
**SEMESTER**

Students explore various performance, technical, and administrative aspects of theatre. Students learn about basic characterization through physical activity, reading selected theatre literature, reading and writing theatrical reviews, and analysis of such tools as scripts, costuming, and theatrical makeup. Public performances may serve as a resource for specific instructional goals. Students may be expected to attend one or more performances outside the school day to support, extend, and assess learning in the classroom.

**SPEECH II HONORS**  
**CREDIT = 0.5**

**GRADES 10-12**  
**SEMESTER**

**Prior completion of Speech I is not required for this course.**

The purpose of this course is to enable students to develop advanced skills in formal and informal oral communication. The content will include, but not be limited to, the following: formal and informal oral communication skills, forms of oral communication, techniques of public speaking, research, organization, and writing for public speaking, and analysis and evaluation of public speaking. This course meets the Speech requirement for the Summa Cum Laude diplomas and the graduation requirement for Performing Fine Arts.

**THEATRE, CINEMA AND FILM PRODUCTION**  
**CREDIT = 0.5**

**GRADES 9-12**  
**SEMESTER**

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

**VISUAL TECHNOLOGY I**  
**CREDIT = 0.5**

**GRADES 10-12**  
**SEMESTER**

Students explore the fundamental concepts, terminology, techniques, and applications of digital imaging to create original work. Students produce animated digital images through the single or combined use of computers, digital cameras, digital video cameras, scanners, photo editing software, drawing and painting software, graphic tablets, printers, new media, and emerging technologies. Through the critique process, students evaluate and respond to their own work and that of their peers to measure artistic growth. This course incorporates hands-on activities, the use of technology, and consumption of art materials.



## VISUAL TECHNOLOGY II

CREDIT = 0.5

GRADES 10-12

SEMESTER

### **Prerequisite: Completion of Visual Technology I.**

Students explore and develop concepts, terminology, techniques, and applications to design, create, print, and display original two-dimensional animations. As they become more adept at using the tools and techniques available to them, students design animated digital images through the single or combined use of computers, digital cameras, digital video cameras, scanners, photo editing software, drawing and painting software, graphic tablets, printers, new media, and emerging technologies. Through the critique process, students evaluate and respond to their own designs and images and those of their peers to measure artistic growth with increasing sophistication. This course incorporates hands-on activities, the use of technology, and consumption of art materials.

## YEARBOOK I

CREDIT = 1.0

GRADES 10-12

FULL YEAR

### **Teacher recommendation.**

The main purpose of this course is the production of the yearbook. Students will be required to work individually and as part of a team. Units of study include concept and thematic development, section development, reporting and writing stories, headlines and captions, graphic design and marketing. Students will be required to work outside of class on photo or journalistic stories based on school events and happenings. It is important to recognize that yearbook submission deadlines must be met. Failure to comply with the needs of this class is unacceptable and will result in failure of the class. Self-motivation and the ability to be creative and organized are essential. This course meets the graduation requirement for Performing Fine Arts.

## YEARBOOK II

CREDIT = 1.0

GRADES 11-12

FULL YEAR

**Prerequisite: Yearbook I and teacher recommendation. A digital camera and flash drive are encouraged but not required.** The main purpose of this course is the expansion of graphic design and journalistic skills through production of the yearbook. Students will be required to work outside of class on photo or journalistic stories based on school events and happenings. It is important to recognize that yearbook submission deadlines must be met. Failure to comply with the needs of this class is unacceptable and will result in failure of the class. Self-motivation and the ability to be creative and organized are essential. This course meets the graduation requirement for Performing Fine Arts.

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# PHYSICAL EDUCATION

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*We educate our students to understand the value of physical fitness, muscular development and cardiovascular conditioning. We provide a safe environment to train for fitness, athletics and muscular rehabilitation. We encourage the pursuit of a lifetime of physical fitness and good health.*

## ADVANCED WEIGHT TRAINING

CREDIT = 0.5

GRADES 9-12

SEMESTER

### **Prerequisite: Completion of Beginning Weight Training.**

This course is the continuation from intermediate with the added component of goal setting, bi-weekly testing in certain areas, and with a personal training component.

## BEGINNING WEIGHT TRAINING

CREDIT = 0.5

GRADES 9-12

SEMESTER

This course will provide students with opportunities to acquire basic knowledge and skills in weight training that may be used in physical fitness pursuits today as well as later in life, to improve muscular strength and endurance and to enhance body image. The content will include muscular strength and endurance, knowledge of health problems, knowledge of skeletal muscles, knowledge of sound nutrition, and knowledge of safety issues related to weight training.

**CARE AND PREVENTION OF ATHLETIC INJURIES****GRADES 11-12****CREDIT = 0.5****SEMESTER****Co-requisite: Anatomy and Physiology Honors**

The study of the treatment and prevention of specific sport injuries resulting from activities in the home, recreational, intramural, and extramural settings. Identification of injuries, proper treatment after they occur, and preventative measures. Students learn how to create a safe environment for athletes.

**PERSONAL FITNESS****GRADES 9-12****CREDIT = 0.5****FULL SEMESTER**

The purpose of this course is to provide students with the knowledge, skills, and values they need to become healthy and physically active for a lifetime. This course addresses both the health and skill-related components of physical fitness which are critical for students' success. This course meets the graduation requirement for PE.

**TEAM SPORTS I****GRADES 9-12****CREDIT = 0.5****SEMESTER**

This course will provide students with the opportunity to acquire knowledge of strategies of team sports play, to develop skills in selected team sports, and to maintain and /or improve their personal fitness. Activities will include: basketball, flag football, soccer, softball, track and field, volleyball and other sports. This class includes developing individual skill drills and learning team concepts.

**TEAM SPORTS II****GRADES 9-12****CREDIT = 0.5****SEMESTER****Prerequisite: Completion of Team Sports I.**

The purpose of this course is to acquire knowledge of strategies of team sports play, develop skills in selected team sports, and maintain/or improve personal fitness. The content will include, but not be limited to: skills, techniques, strategies, rules, safety practices, maintenance and/or improvement of personal fitness. This class challenges students to organize games and activities.

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**SCIENCE**

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*The Father Lopez Science Department fosters an environment where students, faculty and the scientific community work collaboratively to expand knowledge in the disciplines of science and mathematics. We provide students with the foundation in knowledge and skills that they need to be academically and technologically functioning members of society. A Father Lopez graduate will have experienced science as a body of knowledge, a process and a product.*

**ANATOMY AND PHYSIOLOGY HONORS****GRADES 11-12****CREDIT = 1.0****FULL YEAR****Prerequisites: Biology Honors and Chemistry Honors and teacher recommendation.**

The purpose of this course is to enable students to develop an understanding of the relationships between the structures and functions of the human body. Students will explore the body through case studies, laboratory investigations, models and diagrams. Major concepts include, but are not limited to: implementation of scientific habits of mind; application of scientific knowledge, methodology, and historical context to solve problems; use of laboratory technologies; terminology; cells and tissues; homeostasis – positive and negative feedback response; human genetic, growth and development; body composition, structure, and function; connections between anatomy, physiology, medicine, Latin terminology, technology, society and the environment. This course meets the graduation requirement for Science. **SUS/BF**

**AP BIOLOGY****CREDIT = 1.0****GRADES 11-12****FULL YEAR**

**Prerequisite: Completion of Chemistry Honors and Algebra II with a “B” or higher and teacher recommendation. A placement test may be required at the discretion of the science department.**

AP Biology is a rigorous and demanding course, which is the equivalent of an introductory college biology course. Content will be covered in more depth and greater expectations will be placed on interpretation and analysis of information than previous biology courses. In addition, statistical analysis of data and modeling of concepts will be expected. A significant amount of studying must be completed at home to allow time for discussion, labs, and inquiry during class time. All students are **expected** to take the AP exam and must take the instructor’s final exam for the course. This course meets the graduation requirement for Science.

**SUS/BF****AP CHEMISTRY****CREDIT = 1.0****GRADES 11-12****FULL YEAR**

**Prerequisite: “B” or higher in Chemistry 1 Honors and Algebra II/ Honors and teacher recommendation.**

The importance of the theoretical aspects of chemistry has brought about an increasing emphasis on these aspects of the content of general chemistry courses. Topics such as the structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics, and the basic concepts of thermodynamics are now being presented in considerable depth. All students are **expected** to take the AP exam and must take the instructor’s final exam for the course. **SUS/BF**

**AP ENVIRONMENTAL SCIENCE****CREDIT = 1.0****GRADES 11-12****FULL YEAR**

**Prerequisite: Completion of Biology Honors with an “A,” completion of Chemistry Honors with “B” or higher, completion of Algebra II Honors, and teacher recommendation.**

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. All students are **expected** to take the AP exam and must take the instructor’s final exam for the course. **SUS/BF**

**AP PHYSICS****CREDIT = 1.0****GRADE 11-12****FULL YEAR**

**Prerequisites: “B” or higher in Algebra II Honors and teacher recommendation.**

**Co-requisite: Advanced math course beyond Algebra II Honors.**

Students explore principles of Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. The course is based on six Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about the physical world. The following are Big Ideas: • Objects and systems have properties such as mass and charge. Systems may have internal structure. • Fields existing in space can be used to explain interactions. • The interactions of an object with other objects can be described by forces. • Interactions between systems can result in changes in those systems. • Changes that occur as a result of interactions are constrained by conservation laws. • Waves can transfer energy and momentum from one location to another without the permanent transfer of mass and serve as a mathematical model for the description of other phenomena. **All students are expected to take the AP exam and to attend mandatory review sessions. SUS/BF**

**BIOLOGY I**  
**CREDIT = 1.0**

**GRADES 9-12**  
**FULL YEAR**

This course covers the major areas of biological sciences, such as technology in Biology, cellular biology, the animal and plant kingdoms, the human body, genetics, and microbiology. The development and demonstration of good laboratory techniques are important aspects of this course. The course also provides students with a body of biological information. This course meets the graduation requirement for Science. **SUS/BF**

**BIOLOGY I HONORS**  
**CREDIT = 1.0**

**GRADES 9-12**  
**FULL YEAR**

**Prerequisite: "B" or better in previous science course and score in the 85% or higher on the high school placement test.**

This course will provide an in-depth look into the biological sciences. Topics will include but will not be limited to: cellular biology, survey of the animal and plant kingdoms, human biology, genetics, microbiology, ecology, evolution and bioethics. Lab work is an integral part of this course. This course meets the graduation requirement for Science. **SUS/BF**

**CHEMISTRY I**  
**CREDIT = 1.0**

**GRADES 10-12**  
**FULL YEAR**

**Prerequisite: Completion of Biology and Algebra I.**

**Co-requisite: Geometry**

Chemistry is the study of matter. Students are introduced to chemistry, including chemical formulas and equation, atomic and molecular structure, equilibrium and gases. Basic laboratory experiments are done or observed. Participation in the Science Fair may be required. This course meets the graduation requirement for Science. **SUS/BF**

**CHEMISTRY I HONORS**  
**CREDIT = 1.0**

**GRADES 10-12**  
**FULL YEAR**

**Prerequisite: Completion of Algebra 1, "B" in Biology/ Honors, and teacher recommendation.**

**Co-requisite: Geometry Honors**

The purpose of this course is to provide students with a rigorous study of the composition, properties and changes associated with matter. Content will include heat, changes in matter, atomic structure, the periodic table, bonding, formulae and equations, mole concept, gas laws, energy and order, reaction rates and equilibrium, solutions: acids, bases, salts and organic chemistry. This course meets the graduation requirement for Science. Participation in the Science Fair will may be required. **SUS/BF**

**DE PRINCIPLES OF AERONAUTICAL SCIENCE**  
**CREDIT = 0.5 COLLEGE CREDIT = 3.0**

**GRADES 10-11**  
**SEMESTER 1**

An introductory course in Aeronautical Science designed to provide the student with a broad-based aviation orientation in flight-related areas appropriate to all non-Aeronautical Science degree programs. Subjects include historical developments in aviation and the airline industry; theory of flight; airport operations; aircraft systems and performance; elements of air navigation; basic meteorology theory; air traffic principles; flight physiology; and aviation regulations and safety. This course provides elective credit only and cannot be used to fulfill a science requirement for high school graduation. **Students will earn (3) college credits from Embry Riddle Aeronautical University.**

**DE UNMANNED AIRCRAFT SYSTEMS**  
**CREDIT = 0.5 COLLEGE CREDIT = 3.0**

**GRADES 10-11**  
**SEMESTER 2**

**Prerequisite: Successful completion with a "C" or higher of AS 120 or AS 121.**

This course is a survey of unmanned aircraft systems (UAS), emphasizing the military and commercial history, growth, and application of UASs. The course will include basic acquisition, use, and operation of UASs with an emphasis on operations. **Students will earn (3) college credits from Embry Riddle Aeronautical University.**

**DE PRIVATE PILOT OPERATIONS**  
**CREDIT = 1.0 COLLEGE CREDIT = 5.0**

**GRADES 11-12**  
**FULL YEAR**

This course develops the aeronautical knowledge required for certification as a Private Pilot with an Airplane Single Engine Land rating. Topics include: regulations, safety, pre-solo operations, cross-country planning, airspace, chart use, communications, weather, performance, weight and balance, aerodynamics, and decision-making.

**ENVIRONMENTAL SCIENCE**  
**CREDIT = 1.0**

**GRADES 10-12**  
**FULL YEAR**

**Prerequisite: Completion of Biology**

This course will help students strengthen their skills in the areas of academic performance, learning strategies and critical thinking, as they study the interactions between organisms and the environment, biogeochemical cycles, the evolution of life on earth and energy flow. General education course, which reviews the earth and/or the ocean as a living system. The consequences of human activities on the sustainability of that living system are presented and analyzed. Concepts addressed include: ecosystem, resources, energy, population dynamics, sources and effects of pollution. **SUS/BF**

**INTRODUCTION TO AEROSPACE AND FLIGHT TECHNOLOGY**  
**CREDIT = 0.5**

**GRADES 9-10**  
**SEMESTER**

This course is an introduction to aviation and space related topics including careers in aviation and in the aerospace industry. The course provides instruction in aviation history, aerodynamics and the development of the airplane. It also covers aviation terminology, weather, flight instruments, aircraft construction, and careers in aviation and aerospace engineering related fields.

**MARINE SCIENCE**  
**CREDIT = 1.0**

**GRADES 10-12**  
**FULL YEAR**

**Prerequisite: Completion of Biology**

Delve deeply into Earth's bodies of water and study geologic structures and how they impact the oceans. Investigate characteristics of various populations of aquatic life, patterns of distribution, and ongoing changes occurring in our ecosystem. **SUS/BF**

**PRINCIPLES OF BIOMEDICAL SCIENCE HONORS**  
**CREDIT = 1.0**

**GRADE 9-12**  
**FULL YEAR**

Students explore concepts of Biology and Medicine to determine the factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore the medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, biology, medicine and research processes while allowing them to design their own experiments to solve problems. **SUS/BS**

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# SOCIAL STUDIES

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*The Father Lopez Social Studies Department is a dynamic group of educators who seek to inspire students who are critical thinkers and responsible citizens of their community and the world. This is accomplished through meaningful, integrative, value based, challenging, and active teaching and learning practices.*

## **AP HUMAN GEOGRAPHY** **CREDIT = 1.0**

**GRADES 9-12**  
**FULL YEAR**

**Prerequisite: “A” in previous year’s social studies course and teacher recommendation. Score in the 92% on high school placement exam.**

This course is an Advanced Placement course and is the equivalent of a survey college geography course. Students will study patterns and processes that shape human use, understanding, and alteration of the Earth. It will emphasize the 5 themes of geography and focus on the use of space and the interconnection of people and places on the Earth and throughout time. Geographic concepts studied will be location, place, space, pattern, regionalization and globalization. Mapmaking and data interpretation will be used to interpret geographic concepts. This is an elective course; it does not meet graduation requirements for Social Studies. All students are **expected** to take the AP exam. Participation in the Social Studies Fair is required. **A summer reading and/or assignment is required for this course. SUS/BF**

## **AP MACROECONOMICS** **CREDIT = 0.5**

**GRADES 11-12**  
**SEMESTER**

The purpose of this course is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also develops students’ familiarity with economics performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students are **expected** to take the AP exam. This course meets the graduation requirement for Economics. **SUS/BF**

## **AP U.S. GOVERNMENT AND POLITICS** **CREDIT = 0.5**

**GRADE 12**  
**SEMESTER**

**Prerequisite: “A” average in American History Honors or “B” or higher in AP US History and permission of instructor.**

This course is an extended and in-depth study of the workings of our federal system of government. Focus is placed on the conception of the U.S. Constitution as well as the debate between the Federalists and the Anti-Federalists. Further emphasis is placed on the functions of the three branches of government, as well as the system of checks and balances. Students will study the strategies of presidential and congressional campaigns and the role of the media in them. Specific attention will be paid to the shaping of the U.S. foreign and domestic policy from 1789 to the present. Students will be expected to exercise critical thinking, analytical thinking and writing skills. Students are **REQUIRED** to take the AP exam. This course meets the graduation requirement for American Government. **SUS/BF**

**AP PSYCHOLOGY****CREDIT = 1.0****GRADES 10-12****FULL YEAR****Prerequisite: A grade of “B” or higher in previous social studies course and teacher recommendation.**

Through the study of psychology, students in the course will acquire an understanding of and an appreciation for human behavior, behavioral interaction, and the progressive development of individuals. This will better prepare them to understand their own behavior and the behavior of others. The content includes the following: research methodology, biological bases of behavior, sensation and perception, states of consciousness, learning, cognition, motivation and emotion, developmental psychology, personality, abnormal psychology, the treatment of psychological disorders and social psychology. This is an elective course; it does not meet graduation requirements for Social Studies. All students are **REQUIRED** to take the AP exam and must take the instructor’s final exam for the course. **SUS/BF**

**AP UNITED STATES HISTORY****CREDIT = 1.0****GRADES 10-11****FULL YEAR****Prerequisite: “A” in World History Honors or “B” or higher in AP World History and teacher recommendation.**

This course challenges the student who is academically capable in concepts of American History. It will cover exploration and colonization of America, the American Revolution and the Confederation period, Jeffersonian Democracy, the Jacksonian Era, western expansion and the growth of slavery and Civil War Reconstruction, industrialization and urbanization of America, the Progressive ERA, World War I and II, the Great Depression, and New Deal, the Cold War years and the Korean and Vietnam wars, ending with the Clinton administration. Students are **expected** to take the AP exam. This course meets the graduation requirement for American History. **A summer reading and/or assignment is required for this course. SUS/BF**

**AP WORLD HISTORY****CREDIT = 1.0****GRADE 10****FULL YEAR****Prerequisite: “A” in previous social studies course, and/or “A” in previous English course and permission of instructor.**

AP World History is designed to be the equivalent of a two-semester introductory college or university world history course. In AP World History students investigate significant events, individuals, developments, and processes in six historical periods from approximately 8000 B.C. to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparison; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course provides five themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction between humans and environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures. The course requires advanced reading comprehension skills and significant reading assignments outside of class. The course also emphasizes historical research and writing methods with several research papers required throughout the year. All students are **expected** to take the AP exam. **A summer reading and/or assignment is required for this course. SUS/BF**

**ECONOMICS WITH FINANCIAL LITERACY****CREDIT = 0.5****GRADES 11-12****SEMESTER****Prerequisites: World History and United States History.**

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. Instruction should include opportunities for students to interpret and create representations of historical events and concepts using mathematical tables, charts, and graphs. This course meets the graduation requirement for Economics. **SUS/BF**

**ECONOMICS WITH FINANCIAL LITERACY HONORS****CREDIT = 0.5****GRADES 11-12****SEMESTER****Prerequisite: World History/ Honors and United States History/ Honors and permission of instructor.**

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. The honors course offers scaffolded learning opportunities for students to develop the critical skills of analysis, synthesis, and evaluation in a more rigorous and reflective academic setting. Students are empowered to perform at higher levels as they engage in the following: analyzing historical documents and supplementary readings, working in the context of thematically categorized information, becoming proficient in note-taking, participating in Socratic seminars/discussions, emphasizing free-response and document-based writing, contrasting opposing viewpoints, solving problems, etc. This course meets the graduation requirement for Economics. **SUS/BF**

**HUMANITIES HONORS****CREDIT = 1.0****GRADE 9****FULL YEAR**

The purpose of this course is to enable students to examine, understand, and respond to creative efforts of individuals and societies through interdisciplinary study of the arts and their connections to areas such as history, literature, philosophy, and religion from early civilizations to 1500, including ancient Greece and Rome, the Byzantine empire, and medieval European society.

**PHILOSOPHY HONORS****CREDIT = 0.5****GRADES 11-12****SEMESTER**

The learner will focus on the ethical theories of the great thinkers, from the ancient era through the modern era, with the purpose of providing the students with the tools necessary to analyze, critique and evaluate current issues and to formulate a personal value system with which to evaluate any present day issue. Special emphasis will be on ethics and character education. This is an elective course and does not replace any Theology course, nor does it meet the Theology requirement for graduation. **SUS/BF**

**PSYCHOLOGY****CREDIT = 0.5****GRADES 10-12****SEMESTER**

Through the study of psychology, students acquire an understanding of and an appreciation for human behavior, behavior interaction and the progressive development of individuals. The content examined in this first introductory course includes major theories and orientations of psychology, psychological methodology, memory and cognition, human growth and development, personality, abnormal behavior, psychological therapies, stress/coping strategies, and mental health. **SUS/BF**



**SOCIOLOGY****CREDIT = 0.5****GRADES 10-12****SEMESTER**

Through the study of sociology, students acquire an understanding of group interaction and its impact on individuals in order that they may have a greater awareness of the beliefs, values and behavior patterns of others. In an increasingly interdependent world, students need to recognize how group behavior affects both the individual and society. This is an elective course; it does not meet graduation requirements for Social Studies. **SUS/BF**

**UNITED STATES GOVERNMENT****CREDIT = 0.5****GRADES 11-12****SEMESTER****Prerequisite: World History/ Honors and American History/ Honors.**

Students will be provided with an opportunity to acquire an understanding of American Government and political behavior. Content will include: an analysis of those documents which shape our political traditions, a comparison of the roles of three branches of government at the local, state, and national levels, the role of political parties, special interest groups, and the rights and responsibilities of citizens. This course meets the graduation requirement for American Government. **SUS/BF**

**UNITED STATES GOVERNMENT HONORS****CREDIT = 0.5****GRADES 11-12****SEMESTER****Prerequisite: World History/ Honors, American History/ Honors, and teacher recommendation.**

We the People. This instructional program enhances students' understanding of the institutions of American constitutional democracy through the consistent use of critical thinking and primary document analysis. At the same time, students discover the contemporary relevance of the Constitution and the Bill of Rights. **The semesters culminating activity is a simulated congressional hearing. The hearings are mandatory.** This course meets the graduation requirement for American Government. **SUS/BF**

**UNITED STATES HISTORY****CREDIT = 1.0****GRADES 10-11****FULL YEAR****Prerequisite: World History.**

This course enables the student to achieve an understanding and appreciation of the historical background of the United States and its relationship to other nations of the world. Students learn chronological events from the Civil War to the present. Participation in the Social Studies Fair is required. This course meets the graduation requirement for American History. **SUS/BF**

**UNITED STATES HISTORY HONORS****CREDIT = 1.0****GRADES 10-11****FULL YEAR****Prerequisite: "A" in World History or "B" in World History Honors.**

This course enables the student to achieve an understanding and appreciation of the historical background of the United States and its relationship to other nations of the world with additional readings and a greater depth of study. The time period covered will include events from the Civil War to the present. Participation in the Social Studies Fair is required. This course meets the graduation requirement for American History. **SUS/BF**

**WORLD CULTURAL GEOGRAPHY****CREDIT = 0.5****GRADE 9****SEMESTER****Required**

The purpose of this course is to give students an understanding of the inter-relationships between people and their environment. The course will include a study of world cultural regions in terms of location, physical characteristics, demographics, historical changes and land use. Participation in the Social Studies Fair is required. **SUS/BF**

## **WORLD HISTORY**

**CREDIT = 1.0**

**GRADES 10**

**FULL YEAR**

This course is a broad and topical survey of world history from the Fall of the Roman Empire to the 20th century. Special emphasis is given to those areas of the world which now command great attention, namely Europe, the Middle East, the former U.S.S.R. and the Orient. The historical development of religion, philosophy, technology and the arts is also studied. Participation in the Social Studies Fair is required. This course meets the graduation requirement for World History. **SUS/BF**

## **WORLD HISTORY HONORS**

**CREDIT = 1.0**

**GRADE 10**

**FULL YEAR**

**Prerequisite: "A" in previous social studies course, and/or "A" in previous English course, and teacher recommendation.**

This course is a broad and deeper survey of world history from the Fall of the Roman Empire to the 20th century. Special emphasis is given to those areas of the world that now command great attention, namely Europe, the Middle East, the former U.S.S.R. and Orient. The historical development of religion, philosophy, technology and the arts is also studied. The course requires strong reading comprehension skills and regular reading assignments outside of class. The course also emphasizes historical research and writing methods with several research papers required throughout the year. Participation in the Social Studies Fair is required. This course meets the graduation requirement for World History. **SUS/BF**

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# **THEOLOGY**

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*Our vision is to build the kingdom of God in the hearts of our students through knowledge, prayer and service to others.*

All students are required to take Theology for every semester that they attend Father Lopez Catholic High School, in accordance with diocesan and school standards. As an integral part of the Theology curriculum, Christian service is required of every student. **The minimum number of service hours is as follows: Freshmen-15; Sophomores-20; Juniors-25; Seniors-40.**

## **THEOLOGY 9 – INTRODUCTION TO CHRISTOLOGY**

**CREDIT = 0.5**

**GRADE 9**

**SEMESTER 1**

The purpose of this course is to introduce students to the Mystery of Jesus Christ, the Living Word of God, the second Person of the Blessed Trinity. In this course, students will understand that Jesus Christ is the ultimate revelation to us from God. In learning about who He is, the students will also learn who He calls them to be.

## **THEOLOGY 9 – FOUNDATIONS IN CHRISTIAN THEOLOGY**

**CREDIT = 0.5**

**GRADE 9**

**SEMESTER 1**

The purpose of this course is to introduce students to the basics of the Mystery of Jesus Christ, the Living Word of God, the second Person of the Blessed Trinity. In this course, students will understand that Jesus Christ is the ultimate revelation to us from God. In learning about who He is, the students will also learn who He calls them to be. Students will focus on the foundations of the Catholic Faith in this course.

**THEOLOGY 9 – OLD TESTAMENT****CREDIT = 0.5****GRADE 9****SEMESTER 2**

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. In this course they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. Students will learn how to read the Bible and will become familiar with the major sections of the Old Testament and the books included in each section.

**THEOLOGY 10 – OLD TESTAMENT****CREDIT = 0.5****GRADE 10****SEMESTER 1**

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. In this course they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. Students will learn how to read the Bible and will become familiar with the major sections of the Old Testament and the books included in each section.

**THEOLOGY 10 – NEW TESTAMENT****CREDIT = 0.5****GRADE 10****SEMESTER 2**

The purpose of this course is to help students understand all the God has done for us through his Son, Jesus Christ as portrayed in the New Testament. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. Through their study of the New Testament, students will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

**THEOLOGY 11 – SACRAMENTAL LIFE****CREDIT = 0.5****GRADE 11****SEMESTER 1**

The purpose of this course is to help students to understand that they can encounter Christ today in a full and real way in and through the Sacraments, and especially through the Eucharist. Students will examine each of the Sacraments in detail so as to learn how they may encounter Christ throughout life. Students will also examine the vocations of life: how Christ calls us to live. They will understand the importance of the Sacraments supporting their vocational call. Students should learn what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community.

**THEOLOGY 11 – CATHOLIC MORALITY****CREDIT = 0.5****GRADE 11****SEMESTER 2**

The purpose of this course is to help students understand that it is only through Christ that they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples. This course examines the methods of moral decision-making and the foundations of morality within the Catholic Christian tradition.

**THEOLOGY 11 – DE CATHOLIC MORALITY****GRADE 11****CREDIT = 0.5****SEMESTER 2****Teacher recommendation.**

The purpose of this course is to help students understand that it is only through Christ that they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples. This course examines the methods of moral decision-making and the foundations of morality within the Catholic Christian tradition. Dual enrollment credit can be earned through St. Thomas University for a fee. Course expectations and rigor will be comparable to a college level class. \$

**THEOLOGY 12 – SOCIAL JUSTICE****GRADE 12****CREDIT = 0.5****SEMESTER 1**

The purpose of this course is to introduce students to the Church's Social Teaching. In this course students are to learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission. Students will examine thoroughly the Seven Principles of Catholic Social Teaching.

**THEOLOGY 12 – DE SOCIAL JUSTICE****GRADE 12****CREDIT = 0.5****SEMESTER 1****Teacher recommendation**

The purpose of this course is to introduce students to the Church's Social Teaching. In this course students are to learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission. Students will examine thoroughly the Seven Principles of Catholic Social Teaching. Students will participate in a service learning project throughout the semester. Dual enrollment credit can be earned through St. Thomas University for a fee. Course expectations and rigor will be comparable to a college level class. \$

**THEOLOGY 12 - WORLD RELIGIONS****GRADE 12****CREDIT = 0.5****SEMESTER 2**

The purpose of this course is to help the students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as to other religions of the world. Building on the foundational truth that Jesus Christ established the Catholic Church and entrusted to her the fullness of God's Revelation, the course is intended to help students recognize the ways in which important spiritual truths can also be found in non-Catholic Christian churches and ecclesial communities as well as in non-Christian religions. It is also intended to help them to recognize the ways in which other systems of belief and practice differ from the Catholic faith. This study will lead the students to a better understanding of their own faith and knowledgeable respect for the beliefs of other faith groups.

**THEOLOGY 12 – DE WORLD RELIGIONS**  
**CREDIT = 0.5**

**GRADE 12**  
**SEMESTER 2**

**Teacher recommendation**

The purpose of this course is to help the students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as to other religions of the world. Building on the foundational truth that Jesus Christ established the Catholic Church and entrusted to her the fullness of God's Revelation, the course is intended to help students recognize the ways in which important spiritual truths can also be found in non-Catholic Christian churches and ecclesial communities as well as in non-Christian religions. It is also intended to help them to recognize the ways in which other systems of belief and practice differ from the Catholic faith. This study will lead the students to a better understanding of their own faith and knowledgeable respect for the beliefs of other faith groups. Dual enrollment credit can be earned through St. Thomas University for a fee. Course expectations and rigor will be comparable to a college level class. \$