

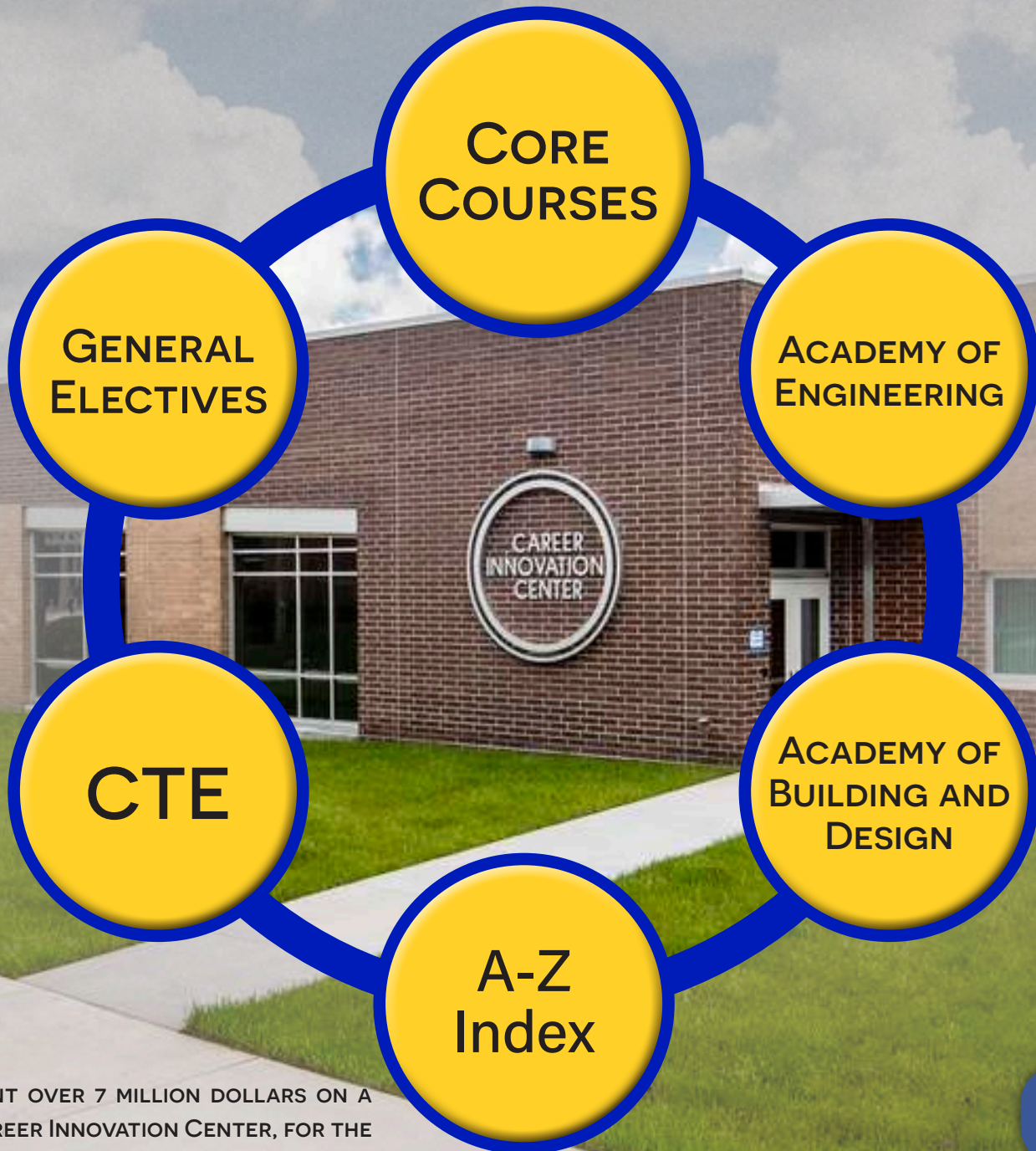
# LYMAN HIGH SCHOOL



## CURRICULUM GUIDE 2022-2023



**EMPOWER THE YOUTH OF TODAY TO INNOVATE TOMORROW.**



LAST YEAR, SCPS SPENT OVER 7 MILLION DOLLARS ON A NEW BUILDING, THE CAREER INNOVATION CENTER, FOR THE SAKE OF EXEMPLIFYING LYMAN HIGH SCHOOL'S MISSION.



865 S RONALD REAGAN BLVD, LONGWOOD, FL 32750 LYMAN.SCPS.K12.FL.US

# CURRICULUM GUIDE COVER DESIGN

Alexander Stafford is a student in our Academy of Digital Design. Each year students in Digital Design 2, 3, and 4 use the skills they have learned to create covers for the Curriculum Guide and then a committee of administration selects the winner to be featured on that years guide. Alexander was this years chosen design! He is currently in Digital Design 3 and plans on moving on to Digital Design 4 for his senior year. He throughly enjoys the class and would recommend it to anyone interested.

## ACADEMY OF DIGITAL DESIGN

Below is samples of students work currently enrolled in all levels of Digital Design.



## General Information

### REGISTRATION

For the most up to date information please visit the Lyman High School website under Student Services.

### SCHEDULE CHANGE POLICY

Students are expected to remain in a course for its duration. Schedule changes due to failure are not routine. Courses may be dropped or added during the first week of school. Schedule change requests should be done via a Google Doc on the Lyman High School website under Student Services.

### ALTERNATE COURSES

Alternate courses must be selected for all courses. Occasionally a course listed in this curriculum guide will not be offered due to a variety of reasons or selected courses may conflict. Alternate courses allow students to be schedule into a course of their choosing. Alternate courses are considered as valid student selections and may become part of a student's schedule. Choose alternates with the same thoughtfulness as other course selections.

### CLASSIFICATION OF STUDENTS

- 9th grade - Student promoted from 8th grade
- 10th grade - Student who has earned 6 credits
- 11th grade - Student who has earned 12 credits
- 12th grade - Student who has earned 19 credits
- Graduation - Student who has earned 26 credits

### DUAL ENROLLMENT

As per the Seminole County Public Schools Student Progression Plan, "Students enrolled in an approved dual enrollment course are exempt from the payment of registration, tuition, and laboratory fees for no more than nine credit hours per semester". Collegiate high school students and Early Admission students are exempt from this credit hour limit.

### DRIVERS EDUCATION

After School Driver Education Program: Course Number 1900310  
An after school driver education program is offered each semester at Lyman, Seminole and Winter Springs High Schools. The program includes classroom instruction, range driving and on the road driving. Students must hold a valid Florida Learner's License to be eligible for the program. Students that successfully complete the program earn .5 credit. The program is open to all students in Seminole County regardless of the high school that they attend. Students attend classes two days a week, either Monday and Wednesday or Tuesday and Thursday from 3:15-5:15 PM. Transportation is not provided. There is no cost for the program. Applications are available at the high schools.

### GRADE POINT AVERAGE (GPA)

Cumulative GPA are based on final semester grades and determined by dividing the total number of courses attempted into the total number of quality points earned. Any other course for which no letter grade is given is excluded. Students have several cumulative GPAs including a Florida GPA, which is unweighted and used for graduation and a District GPA, which is calculated using different weights for various grades. The chart below indicates the quality point carries for both types of GPA calculation.

### GRADING SCALE

The grading system for Seminole County Public Schools:

Letter Grade	Percentage Range	GPA Value	Credit Earned
A	90-100	4	YES
B	80-89	3	YES
C	70-79	2	YES
D	60-69	1	YES
F	0-59	0	NO
P		Not factored into credits for quality points	YES
NG			NO

## COURSE WAIVERS/SUBSTITUTIONS

Students using a waiver or substitution may need to substitute other courses to meet the required number of credits for graduation. Please consult the SCPS Student Progression Plan for information on waivers for the requirements for physical education, fine arts and specific science courses prior to registration.

COURSE	WAIVER/SUBSTITUTION APPLIES TO:
Athletic Participation: Students who participate in interscholastic sports at the varsity or sub-varsity level, for two years (2 full seasons) satisfy the ½ credit of Personal Fitness and ½ credit of elective physical education. • Students who have taken or are currently enrolled in Personal Fitness or a PE elective may only waive the remaining .5 credit required to fulfill the graduation requirement.	Physical Education graduation requirement including Personal Fitness
Marching Band: Completion with a grade of "C" or better of one semester in an official marching band class (Band I – VI) or in a physical activity class that requires participation in marching band activities as an extracurricular activity shall satisfy the ½ credit of elective PE credit. The student must still take Personal Fitness. • This waiver may <u>not</u> be combined with the waiver for Personal Fitness through athletic participation. • Marching band season is the first semester of the year only.	Physical Education graduation requirement but not Personal Fitness
Dance: Students who complete a semester of dance may satisfy the ½ credit in physical education or ½ credit in performing fine arts (may not count for both requirements). This may not be used to satisfy the Personal Fitness requirement or the requirement for adapted physical education under an IEP or 504 Plan.	Physical Education graduation requirement but not Personal Fitness
JROTC/Performing Fine Arts/Physical Education: Completion of two years in a JROTC class, a significant component of which is drills, shall satisfy the ½ credit requirement in physical education (not Personal Fitness) and the one credit requirement in performing arts.	Physical Education graduation requirement (not Personal Fitness) and Performing Fine Arts
JROTC/Physical Education: A grade of "C" or better in a JROTC class, a significant component of which is drills, shall satisfy the ½ credit requirement in physical education. This may not be used to satisfy the Personal Fitness requirement or the requirement for adapted physical education under an IEP or 504 Plan.	Physical Education graduation requirement but not Personal Fitness
<b>Computer Science:</b> An identified rigorous Computer Science course may substitute for up to one (1) math credit. The following courses offered at Lyman High School have been identified as meeting the substitution criteria. • AP Computer Science Principles • AP Computer Science A	Math graduation requirement (excluding Algebra I and Geometry)



## COURSES EARNING THE REQUIRED PERFORMING/PRACTICAL FINE ART CREDIT FOR GRADUATION



- ART 2D & 3D
- ART PORTFOLIO DRAWING, 2D, 3D
- ACTING 1, 2, 3, 4
- AEROSPACE ENGINEERING
- AP ART 2D ART & DESIGN
- AP ART 2D INNOVATION
- AP ART 3D ART & DESIGN
- AP ART HISTORY
- AP DRAWING
- AP MUSIC THEORY
- BAND 1, 2, 5, 6
- BAND PERCUSSION 1, 2, 5, 6
- BUILDING TRADES & CONSTRUCTION 3
- CHORUS 1, 2, 3, 5, 6
- CHORUS HIGH/LOW 2, 3, 4
- CIVIL ENGINEERING & ARCHITECTURE
- CULINARY ARTS 2, 3
- DANCE JV, VARSITY
- DANCE TECHNIQUE 1, 2, 3, 4
- DEBATE 1, 2, 3
- DIGITAL DESIGN 1, 2, 3, 4
- DIGITAL INFORMATION TECHNOLOGY
- DIGITAL MUSIC TECH 1, 2
- EARLY CHILDHOOD EDUCATION 3
- ENVIRONMENTAL SUSTAINABILITY
- EURHYTHMICS 1, 2, 3, 4
- FASHION APPLICATIONS
- FASHION ESSENTIALS
- FASHION MARKETING MANAGEMENT
- INTRO TO ENGINEERING DESIGN
- JAZZ ENSEMBLE 1, 2, 3, 4
- JOURNALISM 1
- MARKETING APPLICATIONS
- MARKETING ESSENTIALS
- MARKETING MANAGEMENT
- MECHATRONICS 1, 2, 3, 4
- MUSICAL KEYBOARDING 1, 2
- SHAKESPEARE ELECTIVE
- SPORTS & ENT MARKETING APPLICATIONS
- THEATRE 2, 3, 4
- THEATRE DESIGN 1, 2, 3, 4
- TV PRODUCTION 1, 2, 3, 4, 5, 6, 7, 8
- WELDING FUNDAMENTALS 1, 2



Lyman High School's Academy of Engineering prepares students for rigorous college coursework by integrating five years of math and four years of science. Originating in the Fall of the 2000-2001 school year, students are provided opportunities to create, design, and apply what they are learning.

The Academy of Engineering courses taught by skilled professionals with Engineering Degrees and Experiences. Lyman's Academy of Engineering excels yearly in SECME, Robotics, and Technology Student Association (TSA) Competitions where students continually earn top honors.

This year we are excited to expand our program with the addition of "Engineering Areas of Specialization." Engineering students will begin with the Introduction of Engineering course, where they will learn theories and then use those skills in one of 6 application courses Building Trades & Construction, Technical Theatre Design & Production, Welding, Computer Science, Mechatronics and Automotive.

Please see "Engineering Specialization Courses" for a description of each of the programs.

Students will take two courses for the Academy of Engineering. One from our engineering content courses and one from the specialized "practical application" courses.

**Required Courses:**

**INTRODUCTION TO ENGINEERING DESIGN**  
8600550  
9th 1 CREDIT

**PRINCIPLES OF ENGINEERING**  
MTB1329/EGN1007  
11th 1 CREDIT

**ENGINEERING DESIGN & DEVELOPMENT**  
EGS2930/EGS2931  
12th 1 CREDIT

**Year 2 Courses:**

**AEROSPACE ENGINEERING**  
8600620/EGS1006  
10th 1 CREDIT HONORS

AE explores the evolution of flight, navigation and control flight fundamentals, aerospace materials, propulsion, space travel and orbital mechanics. Students analyze, design, and build aerospace systems. They apply knowledge gained throughout the course in a final presentation about the future of the industry and their professional goals.

**ENVIRONMENTAL SUSTAINABILITY**  
8600630/EGN1GS1006  
10th 1 CREDIT HONORS

In this course students explore the diverse fields involved in environmental sustainability. Hands-on projects engage students in engineering design problems related to biomechanics, including student investigation and solution design to real-world challenges related to clean drinking water, food supply, genetic engineering, and renewable energy.

**CIVIL ENGINEERING & ARCHITECTURE**  
8600590/EGS1006  
10th 1 CREDIT HONORS

Students learn about various aspects of civil engineering and architecture and apply their knowledge to the design and development of residential and commercial properties and structures. In addition, student use 3D design software to design and document solutions for major course projects. Students communicate and present solutions to their peers and members of a professional community of engineers and architects.

**COMPUTER SCIENCE FOR ENGINEERS HONORS**  
9007610/EGS1006  
10th 1 CREDIT HONORS

Corequisite: Algebra 2 Honors. In this course students will explore the area of computer science. Students will be able to design and implement coding in order to solve real-world problems. Students who take this course are able to participate in the new computer science pathway which includes both AP courses and dual enrollment. This course is for students that DID NOT choose the Computer Science pathway as an area of specialization.

**Industry Certifications:**

- Autodesk Inventor
- Autodesk Revit
- Additional certifications through area of specialization path

**Additional Benefits:**

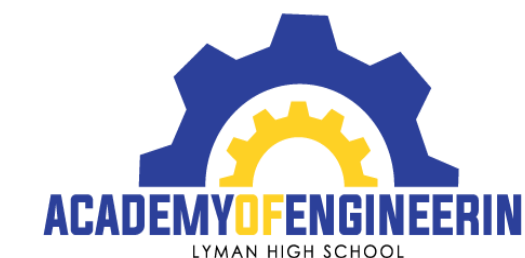
- Potential to earning 9 Dual Enrollment credits through SSC
- Potential to earn Gold Seal Bright Futures Scholarship
- Program completer receives a Merit Diploma

**Future Engineering Careers:**

- Aerospace Engineer**  
Average Wage \$57/hour; Average Salary \$118,610
- Mechatronics Technicians**  
Average Wage \$29/hour; Average Salary \$60,000
- Architectural and Engineering Manager**  
Average Wage \$72/hour; Average Salary \$149,530

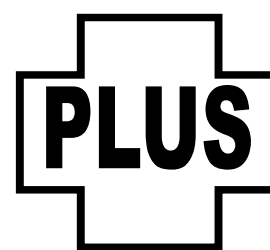
**Future Careers in Areas of Specialization:**

- Construction Engineer**  
Average Salary \$89,484
- Theatre Set Designer**  
Average Salary \$64,610
- Welding Engineer**  
Average Salary \$85,000
- Automotive Engineer**  
Average Salary \$143,200
- Computer Hardware Engineer**  
Average Salary \$119,560
- Mechatronics Engineer**  
Average Salary \$99,040



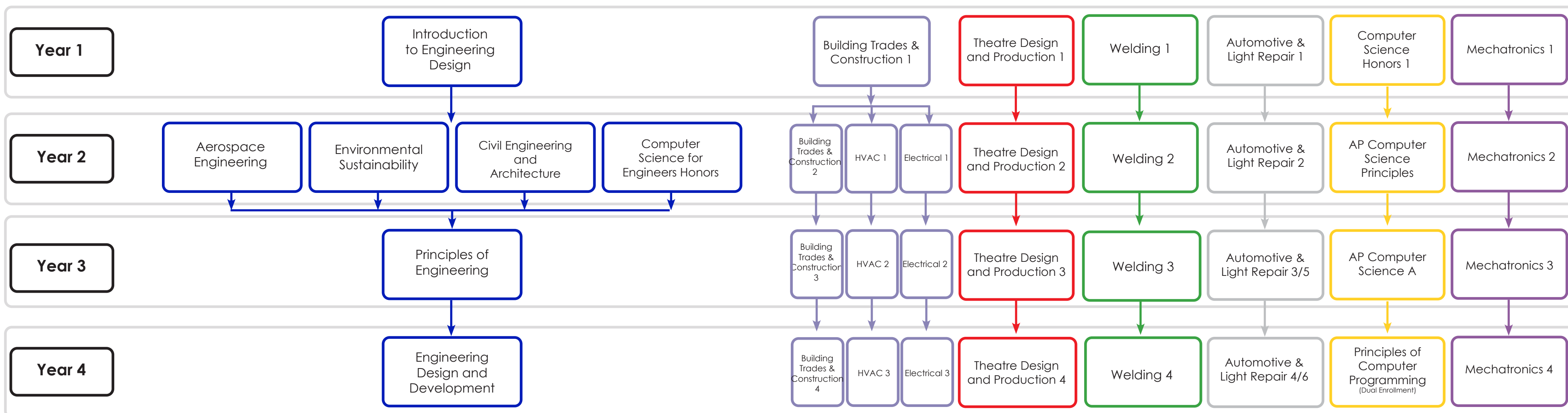
**Engineering Content**

Required Engineering Courses



**Engineering Area of Specialization**

Students must choose one path in addition to Engineering course



see next page for descriptions



**Academy of Engineering - Areas of Specialization**

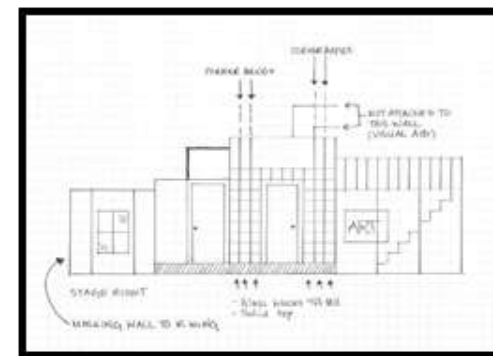
**Building Trades & Construction - Civil/Architectural Engineering | pg 7**

This series of courses allow students interested in the Civil and Architectural Engineering. As a civil engineer, you would oversee construction of buildings, infrastructure, homes, etc. Students will build residential/commercial structures while learning electrical/plumbing/HVAC and other essentials skills for applying engineering concepts. Students can take the knowledge learned in these courses to the next level by pursuing industry certifications, workplace learning experiences, or apprenticeship.



**Technical Theatre Design & Production - Architectural/Lighting/Sound/Audio Engineering | pg 16**

Students learn the basics of standard conventions of design, including hand-drafting, technical drawings, set building and production. Students will design sets and learn the lighting and sound requirements for stage productions. These experiences are the foundation for work in the entertainment industry. This is a non-performance theatre class.



**Welding - Industrial/Manufacturing/Civil/Mechanical/Automotive Engineering | pg 7**

Students study workplace safety and organization, basic manufacturing processes, metals identification, basic interpretation of welding symbols, and oxyfuel gas cutting practices. Students demonstrate learned skills by creating and producing a finished product. The progression of courses will contain Welding level 2 in the 2022-2023 school year.



**Computer Science - Computer Engineering | pg 18**

Computer Engineering can include maintenance of computers, design and implement innovative solutions using an iterative process like what artists, writers, computer scientists, and engineers use to bring ideas to life. This field is a subset of electrical engineering with and includes integration of computers in our everyday lives.



**Automotive & Light Repair - Mechanical/Electrical Engineering | pg 9**

Students interested in the automotive design field have an opportunity to learn engine fundamentals, brakes, computer, electrical diagnosis, brakes, steering & suspension systems, auto/ manual drive and engine performance. Students could earn a range of industry certifications through Automotive Service Excellence (ASE) as well the Florida Automotive Dealers Association (FADA).



**Mechatronics - Mechanical/Electrical Engineering | pg 18**

This is an exciting emerging field that covers everything from aerospace to automotive. Combining both mechanical and electronics writing codes to designing robots, medical devices and industry robotics. Students learn how to design and build robotic systems while enhancing their knowledge of automation, including artificial intelligence, electronics, physics, and principles of engineering. Students in this program can receive industry certifications as well as participate in our FIRST robotics competition.



**Academy of Building and Design**

Construction workforce demands in Central Florida continue to rise and career opportunities abound! The Academy of Building and Design gives students the opportunity to explore careers in General Building Trades, Electrical, HVAC/R, and Welding. Students will follow a progression of courses aligned with a chosen trade. In addition to industry specific course content, students will have the opportunity to take and earn industry certifications that will help them obtain post-secondary employment in the construction industry. All Academy of Building and Design Careers programs are part of the Academy of Construction Technologies (ACT) organization, a registered pre-apprenticeship program. The ACT program offers students the opportunity to begin a career in high school, integrating academics and paid work experience.

**BUILDING TRADES & CONSTRUCTION PATH**

As this industry continues to grow and drive the Florida economy, the demand for qualified professionals in the field of residential and commercial structures is increasing. The program focuses on foundational skills that can be used in trades like HVAC, and electrical. Students can take the knowledge learned in these courses to the next level by pursuing industry certifications, workplace learning experiences, or apprenticeship. Students within the Academy of Building & Design have the opportunity to earn a range of industry certifications. Courses must be taken in sequential order.

**BUILDING TRADES AND CONSTRUCTION 1** 8722010  
9-12 1 CREDIT

**BUILDING TRADES AND CONSTRUCTION 2** 8722020  
10-12 1 CREDIT

**BUILDING TRADES AND CONSTRUCTION 3 HONORS** 8722030  
11-12 1 CREDIT HONORS

**BUILDING TRADES AND CONSTRUCTION 4** 8722040  
12 1 CREDIT

**WELDING PATH**

The Welding Fundamentals program prepares students for entry into the welding industry. Students explore career opportunities and requirements of a professional welder. Content emphasizes beginning skills and progressively introduces advanced skills key to the success of working in the welding industry. Students study workplace safety and organization, basic manufacturing processes, metals identification, basic interpretation of welding symbols, and oxyfuel gas cutting practices. Students demonstrate learned skills by creating and producing a finished product. Courses must be taken in sequential order.

**WELDING FUNDAMENTALS 1 HONORS** 9204410   
9-12 1 CREDIT HONORS

**WELDING FUNDAMENTALS 2 HONORS** 9204420   
10-12 1 CREDIT HONORS

**ELECTRICAL PATH**

**BUILDING TRADES AND CONSTRUCTION 1** 8722010  
9-12 1 CREDIT

**ELECTRICAL 1** 8727210  
10-12 1 CREDIT

**ELECTRICAL 2** 8727220  
10-12 1 CREDIT

**ELECTRICAL 3 HONORS** 8727230  
11-12 1 CREDIT HONORS

**ELECTRICAL 4 HONORS** 8727240  
12 1 CREDIT HONORS

**HVAC REFRIGERATION PATH**

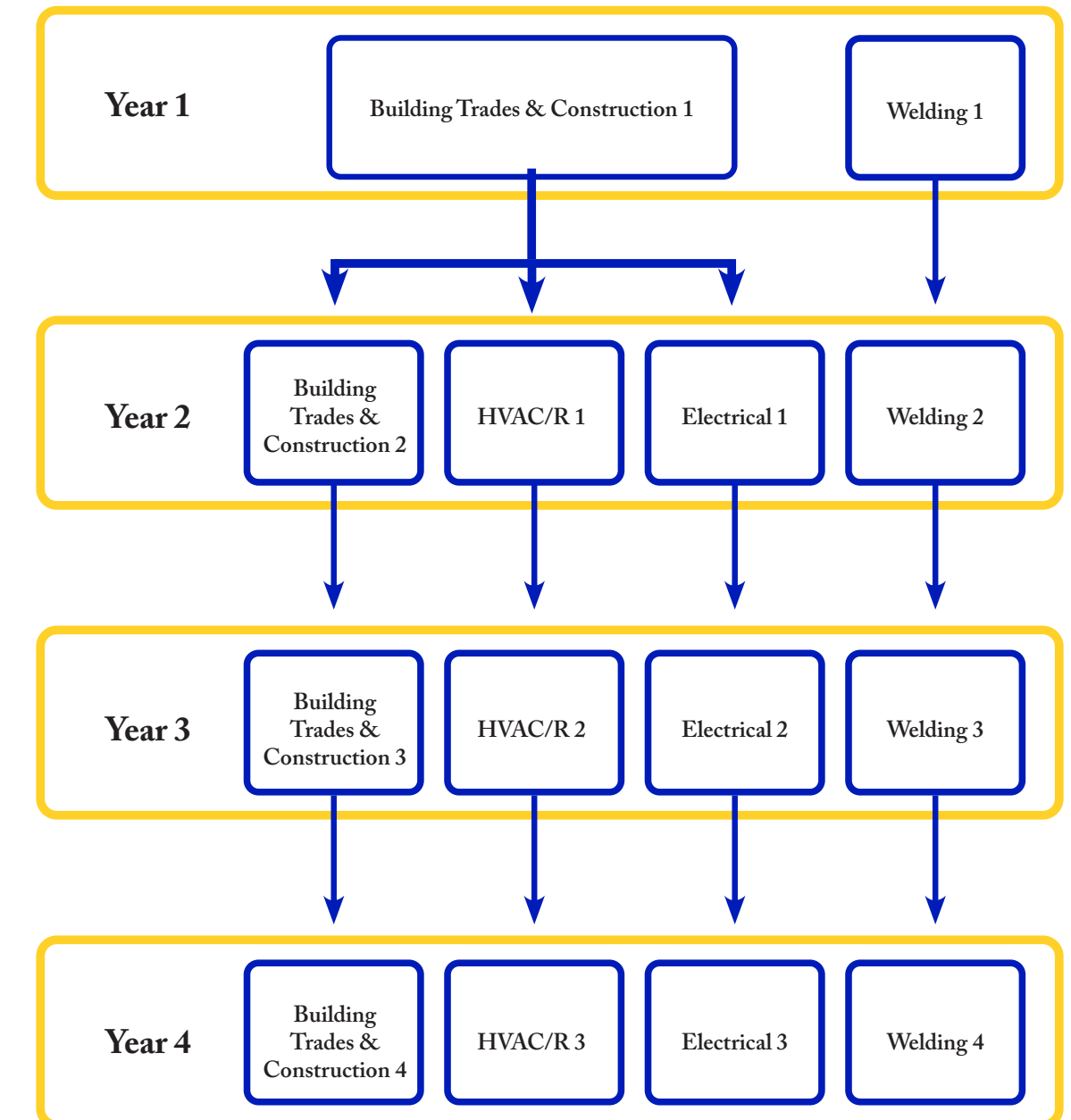
**BUILDING TRADES AND CONSTRUCTION 1** 8722010  
9-12 1 CREDIT

**HVAC/REFRIGERATION 1** 8713010  
10-12 1 CREDIT

**HVAC/REFRIGERATION 2** 8713020  
10-12 1 CREDIT

**HVAC/REFRIGERATION 3** 8713030  
11-12 1 CREDIT

**HVAC/REFRIGERATION 4** 8713040  
12 1 CREDIT



**Future Careers:**

- Welder**  
Average Wage \$21.25/hour; Average Salary \$44,190
- HVAC Mechanic and Installer**  
Average Wage \$24.32/hour; Average Salary \$50,590
- Construction Manager**  
Average Wage \$46.72/hour; Average Salary \$97,180



## Academy of Television Technology

This Academy introduces students to television production. The use of lights, lighting, cameras, microphones, camera mounts and editing is studied. Various Adobe products are introduced in each year. The four year program guides students through the production process and the use of television technology in media today. Students within the Academy of Television Technology will have the opportunity to earn college credits through Seminole State College Career Pathways. Courses must be taken in sequential order.

### Courses:

Course Name	Course Number	Grade Level	Credit
Television Production 1	8201510	9-10	1
Television Production 2	8201520	10-11	1
Television Production 3 Honors	8201530	11-12	1
Television Production 4 Honors	8201540	12	1

### Industry Certifications:

- Adobe Certified Professional Premiere Pro CC
- Adobe Certified Professional After Effects CC
- Adobe Certified Professional Photoshop CC

### Skills Learned:

- Digital Video Production
- Digital Studio Operation
- Adobe Creative Cloud Software - Premiere Pro, Audition, After Effects, Photoshop, Media Encoder
- Basic Lighting
- Shot Composition

#### Job Outlook

Film & Video Editor

29% growth in the next ten years



#### Job Outlook

Editor

11,200 openings per year over the next decade



### Future Careers:

Broadcast, Sound, Video Editor  
Average Wage \$24.04/hour; Average Salary \$50,000

Film and Video Editor  
Average Wage \$29.76/hour; Average Salary \$61,900

Editor  
Average Wage \$30.48/hour; Average Salary \$63,400

### Additional Benefits:

- Program completer receives a Merit Diploma
- Program completer can receive 4 college credits towards an Associates Degree in Radio and Television Broadcast Programming at a state college
- Potential to earn Gold Seal Bright Futures Scholarship



#### Job Outlook

Broadcast, Sound, Video Editor

18,000 openings per year over the next decade



## Academy of Automotive Maintenance & Light Repair

This program offers a sequence of courses that provide coherent and rigorous content aligned with challenging academic standards and relevant technical skills needed to prepare for education/careers in the Transportation, Distribution, and Logistics career cluster. Students learn workplace success skills, safety, shop operations. As they progress they will learn engine fundamentals, brakes, computer and electrical diagnosis. They will also learn brakes, steering & suspension systems, auto/manual drive and engine performance. Students could earn a range of industry certifications through Automotive Service Excellence (ASE) as well the Florida Automotive Dealers Association (FADA). Students may also earn up to three college credits through SSC Career Pathways. Courses must be taken in sequential order.

### Courses:

Course Name	Course Number	Grade Level	Credit
Automotive Maintenance & Light Repair 1 Honors	9504110	9-10	1
Automotive Maintenance & Light Repair 2 Honors	9504120	10-11	1
Automotive Maintenance & Light Repair 3/5 Honors	9504130 9504150	11-12	2
Automotive Maintenance & Light Repair 4/6 Honors	9504140 9504160	12	2

### Industry Certifications:

- ASE Entry Level Auto: Manual Drive Train and Axles
- ASE Entry Level Auto: Suspension and Steering
- ASE Entry Level Auto: Brakes
- ASE Entry Level Auto: Electrical/Electronic Systems
- ASE Entry Level Auto: Heating and Air Conditioning
- ASE Entry Level Auto: Engine Performance
- ASE Entry Level Auto: Automobile Service Technology
- ASE Auto Maintenance and Light Repair
- ASE Automotive/Light Truck Technician: Engine Repair
- ASE Automotive/Light Truck Technician: Automatic Transmission/Transaxle
- ASE Automotive/Light Truck Technician: Manual Drive Train and Axles
- ASE Automotive/Light Truck Technician: Suspension and Steering
- ASE Automotive/Light Truck Technician: Brakes
- ASE Automotive/Light Truck Technician: Electrical/Electronic Systems
- ASE Automotive/Light Truck Technician: Heating and Air Conditioning
- ASE Automotive/Light Truck Technician: Engine Performance



#### Job Outlook

Auto Service Tech

69,000 openings per year over the next decade

### Future Careers:

Auto Service Technician  
Average Wage \$21.18/hour; Average Salary \$44,050

Race Car Development Engineer  
Average Wage \$40.01/hour; Average Salary \$83,223

Master Service Technician  
Average Wage \$59.39/hour; Average Salary \$123,000

### Additional Benefits:



- Program completer receives a Merit Diploma
- Program completer can receive up to 19 college credits towards an Associates Degree in Automotive Service Management Technology at a state college
- Potential to earn Gold Seal Bright Futures Scholarship



Academy of Culinary Arts

The Culinary Arts program is designed for students who want to explore all aspects of the culinary field. This program is designed for the student who enjoy hands-on experiences with food and want to learn about the food service industry. Throughout the four-year program, the course covers safe and sanitary work procedures, Front of the House and Back of the House responsibilities, history and careers related to the industry as well as restaurant management. Students are exposed to commercial kitchen equipment, catering events and procedures. This program includes two industry certifications: National Registry of Food Safe Professionals and ServSafe which upon earning will immediately give students an advantage over other job applicants in the food service industry. Courses must be taken in sequential order.

Courses:

Course Name	Course Number	Grade Level	Credit
Culinary Arts 1	8800510	9	1
 Culinary Arts 2	8800520	10	1
 Culinary Arts 3 Honors	8800530	11	1
Culinary Arts 4 Honors	8800540	12	1

Industry Certifications:

- National Registry of Food Safe Professionals
- ServSafe

Skills Learned:

- Measuring
- Knife skills
- Cooking techniques
- Herbs and spices
- Catering
- International cuisine
- Scratch cooking
- Baking
- Food science

Job Outlook

Chef & Head Cook  
25% growth in the next ten years



Job Outlook

Food Service Manager  
41,400 openings per year over the next decade



Job Outlook

Chef & Head Cook  
18,880 openings per year for the next ten years



Future Careers:

Supervisor of Food Preparation & Serving Workers  
Average Wage \$16.06/hour; Average Salary \$33,400

Chef & Head Cook  
Average Wage \$25.66/hour; Average Salary \$53,380

Food Service Manager  
Average Wage \$27.21/hour; Average Salary \$56,590

Additional Benefits:




- Program completer receives a Merit Diploma
- Program completer can receive 3 college credits towards an Associate Degree of Culinary Management
- Potential to earn Gold Seal Bright Futures Scholarship

Academy of Marketing Careers




The three marketing education paths listed below provide a foundation for careers in marketing, finance, hospitality, and management. Students participate in leadership development, community service, career development, scholarships, employment opportunities, college recruitment, and competition. Students in the marketing academies are members of DECA, which is the student organization for marketing. Courses must be taken in sequential order.

Courses:

MARKETING PATH

- MARKETING ESSENTIALS** 8827110  
9-12 1 CREDIT 
- MARKETING APPLICATIONS** 8827120  
10-12 1 CREDIT 
- MARKETING MANAGEMENT** 8827130  
11-12 1 CREDIT 

FASHION MARKETING PATH

- FASHION MARKETING ESSENTIALS** 8806010 
- FASHION MARKETING APPLICATIONS** 8806020 
- FASHION MARKETING MANAGEMENT HONORS** 8806030 

SPORTS MARKETING PATH

- SPORTS & ENTERTAINMENT MARKETING ESSENTIALS** 8827410  
9-12 1 CREDIT
- SPORTS & ENTERTAINMENT MARKETING APPLICATIONS** 8827420 
- SPORTS & ENTERTAINMENT MARKETING MANAGEMENT HONORS** 8827430 

DIRECTED STUDY

- MARKETING DIRECTED STUDY** 8800100  
11-12 1 CREDIT



Job Outlook

Market Research Analyst  
22% growth in the next ten years

Future Careers:

Market Research Analyst  
Average Wage \$31.64/hour; Average Salary \$65,810

Public Relations Manager  
Average Wage \$56.94/hour; Average Salary \$118,430

Marketing Manager  
Average Wage \$68.03/hour; Average Wage \$141,490

Additional Benefits:

- Program completer receives a Merit Diploma
- Potential to earn Gold Seal Bright Futures Scholarship



Job Outlook

Marketing Manager  
31,000 openings per year over the next decade

# CAREER AND TECHNICAL EDUCATION

## Academy of Early Childhood Education

The Early Childhood Education Academy is a series of courses for the student who enjoys working with and coaching young children. Students gain a better understanding of child development principles and theories leading to a future in teaching or other child-oriented professions. From the beginning of the program students learn the competencies that support the DCF 45-hour mandatory training course work in Rules and Regulations; Child Abuse and Neglect; Health Safety and Nutrition; Child Growth & Development; Understanding Developmentally Appropriate Practices; Preschool Appropriate Practice; Behavioral Observation and Screening; and Early Literacy. Courses must be taken in sequential order.

### Courses:

Course Name	Course Number	Grade Level	Credit
Early Childhood Education 1	8405110	9-10	1
Early Childhood Education 2	8405120	10-11	1
Early Childhood Education 3 Honors	8405130	11-12	1
Early Childhood Education 4 Honors	8405140	12	1

#### Job Outlook

Preschool Center Director  
11% growth in the next ten years



### Industry Certifications:

- Department of Children and Families 45 hour training
- ServSafe
- Child Development Associate (CDA)
- National Registry of Food Safety Professionals

### Skills Learned:

- Teaching methods
- Lesson planning
- Storytelling & puppetry skills
- Singing songs & playing music with children
- Learning about special education
- Create art activities & science experiments

#### Job Outlook

Childcare Worker  
150,300 openings per year over the next decade



#### Job Outlook

Preschool Teachers  
59,600 openings per year for the next ten years



### Future Careers:

- Childcare Worker  
Average Wage \$12/hour; Average Salary \$25,460
- Preschool Teacher  
Average Wage \$15/hour; Average Salary \$31,930
- Preschool & Childcare Center Director  
Average Wage \$23/hour; Average Salary \$49,160

### Additional Benefits:

- Program completer receives a Merit Diploma
- Program completer can receive up to 9 college credits towards an Associate Degree of Early Childhood Education at a state college
- Potential to earn Gold Seal Bright Futures Scholarship

# CAREER AND TECHNICAL EDUCATION

## Academy of Digital Design

The Digital Design Program helps to develop industry standard skills that assist in preparing students for employment in the digital publishing field. It is a project-based curriculum where students learn the software and equipment used within the industry as well as soft skills needed in all employment fields such as communication, teamwork, problem-solving, interpersonal skills, work ethic, and goal setting. Students are given an opportunity to build confidence in their creative abilities as they explore the world of design. Projects include but are not limited to creating newsletters, brochures, posters, logos, portfolios, and more! Multiple industry certifications are offered within the program including Adobe Certified Associate (ACA) Photoshop, Adobe Certified Associate (ACA) InDesign, Adobe Certified Associate (ACA) Illustrator. College credit opportunities are available as well. Courses must be taken in sequential order.

### Courses:

Course Name	Course Number	Grade Level	Credit
Digital Design 1 Honors	8209510	9-11	1
Digital Design 2 Honors	8209520	10-12	1
Digital Design 3 Honors	8209530	11-12	1
Digital Design 4 Honors	8800540	12	1



#### Job Outlook

Art Director  
11% growth in the next ten years

#### Job Outlook

Web Developer  
17,900 openings per year for the next ten years



### Future Careers:

- Digital Production Assistant  
Average Wage \$20.02/hour; Average Salary \$42,631
- Graphic Designer  
Average Wage \$25.66/hour; Average Salary \$53,380
- Art Director  
Average Wage \$46.77/hour; Average Salary \$97,270

### Additional Benefits:

- Program completer receives a Merit Diploma
- Program completer can receive up to 9 college credits towards an Associate Degree in Graphics Technology AS at a state college
- Potential to earn Gold Seal Bright Futures Scholarship



### Industry Certifications:

- Adobe Certified Associate Photoshop
- Adobe Certified Associate InDesign
- Adobe Certified Associate Illustrator

### Skills Learned:

- Design Process
- Image Editing Software
- Typography
- Color Theory
- Desktop Publishing
- Digital Drawing Skills
- Page Layout Design

#### Job Outlook

Graphic Designer  
23,900 openings per year over the next decade

# FINE ARTS

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## Dance

## Instrumental Music

## Instrumental Music

## Vocal Music

## Visual Art

## Electives

**DANCE TECHNIQUE 1** 0300310   
9-12 1 CREDIT

**DANCE TECHNIQUE 2** 0300320   
9-12 1 CREDIT

**DANCE TECHNIQUE 3** 0300330   
9-12 1 CREDIT

**DANCE TECHNIQUE 4** 0300334   
10-12 1 CREDIT EACH

These courses provide students with opportunities to acquire knowledge and skill in two or more styles of dance. Content techniques of two or more dance forms: ballet, jazz, modern, theater, or tap. Knowledge of dance terminology, and knowledge of basic choreography of movement sequences and acquisition of technique will be stressed. **Uniforms are required for this course.**

**JVDANCE** 0300400   
9-12 1 CREDIT EACH

**VARSITY DANCE** 0300410   
9-12 1 CREDIT EACH

This class requires an audition. The purpose of this course is to provide students with in-depth instruction and opportunities for performance, to further enhance and develop techniques. Students in this ensemble are required to attend several after school rehearsals/performances. **Uniforms are required for this course.**

**LYMAN DIAMONDS-COLOR GUARD EURHYTHMICS 1-4** 1305300   
9-12 1 CREDIT EACH

These courses provide instruction in the development of beginning level skills in the art of performing various body movements in rhythm using musical accompaniment. This course is intended ONLY for those students who wish to audition and participate in Color Guard. **STUDENTS SIGNING UP FOR THIS COURSE WILL BE REQUIRED TO PARTICIPATE IN THE FALL MARCHING SEASON AND THE WINTER GUARD SEASON JANUARY TO MAY.** No class change after first semester.

Audition dates and times will be held in April and specific dates will be announced. Students wishing to tryout must attend both workshops as well as the final audition to be considered. Auditionees should wear dance or active wear suitable for dancing, wear their hair up, and be ready to learn combinations from Lyman Dance Staff and leadership. These students should also have room in their schedule for a Dance Team or Color Guard class block as this class is co-curricular. Once a student is accepted onto one of the teams, the financial and behavior commitments are presented and the students and parents have the opportunity to accept or deny the position with the signing of a contract. Any other questions should be directed to Mr. Porter at 407-746-2000.

**BAND 1** 1302300   
9 1 CREDIT

**BAND 2** 1302310   
10 1 CREDIT

**BAND 5 HONORS** 1302340   
11 1 CREDIT HONORS

**BAND 6 HONORS** 1302340   
12 1 CREDIT HONORS

Prerequisite: Prior band experience, Director Authorization. This is a performance-based class made up of wind instrumentalists with previous experience on their instrument. The students in these ensembles will perform level appropriate literature that will develop their musicianship skills and the fundamental techniques on their primary instrument. As freshmen, students begin in entry-level courses. Progression to upper level courses of study is based upon fulfillment of course standards as detailed by instructors. Students who progress to third and fourth year levels in instrumental music courses can earn honors credit. Students in band are required to participate as members of the Lyman High School Marching Band. Participation in co-curricular after school rehearsals and performances is required. Fundraising opportunities will be available to offset fees for co-curricular events. Contact instructors for more information on these programs. All Wind Band Students sign up for Band level according to grade.

**PERCUSSION ENSEMBLE 1** 13023000P   
9 1 CREDIT

**PERCUSSION ENSEMBLE 2** 13023100P   
10 1 CREDIT

**PERCUSSION 5 HONORS** 13023400P   
11 1 CREDIT HONORS

**PERCUSSION 6 HONORS** 13023500P   
12 1 CREDIT HONORS

Prerequisite: Prior band experience, Director Authorization. This is a performance-based class made up of all percussionists at Lyman High School. Students in this ensemble will develop their rudimental and basic percussion skills as well as develop a strong level of musicianship. These students comprise the percussion section for the marching band and concert bands as well as a stand-alone ensemble. Students are expected to attain expertise in all facets of Percussion performance, including but not limited to keyboards, timpani, Latin percussion, etc. (This is not a drumset or just snare drum class). Membership in the Lyman High School Marching Band is required. Participation in co-curricular after school rehearsals and performances is required. Fundraising opportunities will be available to offset fees for co-curricular events. Contact instructors for more information on these programs. All Percussion Students sign up for Percussion Ensemble level according to grade.

**JAZZ ENSEMBLE 1** 1302500   
9 1 CREDIT

**JAZZ ENSEMBLE 2** 1302510   
10 1 CREDIT

**JAZZ ENSEMBLE 3** 1302520   
11 1 CREDIT


**JAZZ ENSEMBLE 4 HONORS** 1302530   
12 1 CREDIT HONORS

Prerequisite: Prior band experience, enrollment in Band or Percussion class, Director Authorization. This performance-based class consists of students interested in learning and performing different styles of Jazz including Latin, Swing, Funk, and more. These students must be concurrently enrolled in a Band or Percussion class. Participation in co-curricular after school rehearsals and performances is required. Contact instructors for more information on these programs. All Jazz Ensemble Students sign up for Jazz Ensemble level according to grade.



**CHORUS 1** 1303300   
9-10 1 CREDIT

Students are responsible for a few after-school rehearsals and performances. **Uniforms are required for this course.**

**CHORUS 2** 1303310   
9-10 1 CREDIT

**CHORUS 5 HONORS** 1303340   
9-10 1 CREDIT

**CHORUS 6 HONORS** 1303350   
10-12 1 CREDIT EACH

Prerequisite: Chorus 1. Chorus 2-6 provides students with instruction in the development of musicianship and varied choral literature. Students in these groups are responsible for after-school rehearsals/performances. **Uniforms are required for this course.**

## Visual Art

**2D ART 1** 0101300   
9-12 1 CREDIT

This entry-level class promotes the enjoyment and appreciation of art as students experiment with the media and techniques used to create 2-D artworks, including drawing, painting, printmaking, collage, and more. Students regularly reflect on aesthetics and issues related to art and anchor the structural elements of art and organizational principles of design, experimenting with them as they create.

**3D STUDIO ART 1** 0101330   
9-12 1 CREDIT

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, cardboard, clay, wire, plaster, and paper maché with consideration of the workability, durability, cost, and toxicity of the media used. The course includes the principles of design, color theory and basic drawing skills.

**AP ART HISTORY** 0100300   
10-12 1 CREDIT

This course will provide students with the benefit of an understanding and enjoyment of painting, sculpture, architecture and other art forms within historical and cultural contexts. Students will examine the major forms of artistic expression of the past as well as those of our time and of a variety of cultures. This course does require a high degree of commitment by those students seriously interested in advanced placement and/or college credit. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

**AP ART HISTORY** 0100300   
10-12 1 CREDIT

This course will provide students with the benefit of an understanding and enjoyment of painting, sculpture, architecture and other art forms within historical and cultural contexts. Students will examine the major forms of artistic expression of the past as well as those of our time and of a variety of cultures. This course does require a high degree of commitment by those students seriously interested in advanced placement and/or college credit. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

**PORTFOLIO DRAWING HONORS** 0109310   
10-12 1 CREDIT

**PORTFOLIO 2D DESIGN HONORS** 0109320   
10-12 1 CREDIT

**PORTFOLIO 3D DESIGN HONORS** 0109330   
10-12 1 CREDIT HONORS EACH

Prerequisite: Art 2D or Art 3D. Students produce a portfolio of work that shows growth in content, technique, and process. They will produce and maintain a personal sketchbook/journal that illustrates an exploration and evaluation of ideas, techniques, and imagery that can be applied to their work. Career research, Art Criticism and Art History are part of this course as students explore the work of historic and contemporary artists.

**AP ART/2D DESIGN PORTFOLIO** 0109350   
10-12 1 CREDIT

**AP ART/3D DESIGN PORTFOLIO** 0109360   
10-12 1 CREDIT

**AP ART/DRAWING PORTFOLIO** 0104300   
10-12 1 CREDIT

**AP ART/2D DESIGN INNOVATION** 0109355   
11-12 1 CREDIT EACH

Prerequisite: Art 2D/3D or Portfolio. These are college level art classes for students in 11th and 12th grades. These classes are for students with experience in a variety of art processes and techniques and can express their ideas visually. Students must have a sketchbook to document research, preliminary sketches and experimental processes. Students will need to keep up with due dates, which may require working outside of class time. Students will need art supplies to work with at home. Attendance at an art show opening is required for every student. The course requires that students prepare a body of work for the College Board AP studio exam consisting of the following sections: Sustained Investigation (60% of exam score, a minimum of 15 digital images that include works of art and design and process documentation + typed responses to prompts, providing information about the questions that guided their investigation. Selected Works (40% of exam score, 5 physical works or high-quality reproductions of physical works with written responses on paper describing the materials, processes, and ideas used).

**MUSICAL KEYBOARD 1** 1301360   
9-12 1 CREDIT

**MUSICAL KEYBOARD 2** 1301370   
10-12 1 CREDIT

This course will provide students with introductory experiences on the keyboard in performance skills and the interpretation of simple notation. The content includes the development of music fundamentals, keyboard performance, technique, and how to read music. Courses must be taken in sequential order.

**AP MUSIC THEORY** 1300330   
10-12 1 CREDIT

Prerequisite: minimum one year keyboard or instrument training and able to read notes and rhythm. The objective of this course is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music through the activities of listening, performing, composing, and analyzing.

**DIGITAL MUSIC TECH 1** 1304300   
9-12 1 CREDIT

**DIGITAL MUSIC TECH 1** 1304310   
10-12 1 CREDIT

A background in music is preferred. Students will explore fundamental applications of music and sound engineering. As they learn and create, they also learn history and aesthetics of development with technology used to create music. Courses must be taken in sequential order.





# FINE ARTS

## Theatre

### TECHNICAL THEATRE NON-PERFORMANCE

#### TECHNICAL THEATRE DESIGN & PRODUCTION 1 0400410

9-12 1 CREDIT

Students focus on developing the basic skills required to develop creative and affective technical designs for several aspects of Theatre, including Scene Design, Lighting Design, Sound Design, Costume Design, and Stage Makeup Design. Students explore and learn to analyze dramatic scripts, seeking production solutions through historical, cultural, and geographic research. Students also learn the basics of standard conventions of design presentation and documentation, including hand-drafting for scenery and lighting, as well as creating all other technical drawings through skills development and the study of the Elements and Principles of Art and Design. Students will grasp the organizational structure of theatre production and creative work in a collaborative environment. Participation in the creation and presentation of class projects serve as a culmination of specific instructional goals. Students may be required to attend public performances, and are invited to participate in technical work, rehearsals, and/or performances beyond the school day to support, extend, and assess learning in the classroom.

#### TECHNICAL THEATRE DESIGN & PRODUCTION 2 0400420

10-12 1 CREDIT

Prerequisite: Tech Design 1. Building on the basic skills learned in Tech 1, students will continue to grow as artists and leaders, through an in-depth study and design development of a chosen script throughout the course of the school year, resulting in a portfolio of Theatre Design work studying all aspects of the production, including Scene Design, Lighting Design, Sound Design, Costume Design, and Stage Makeup Design. Students develop assessment and problem-solving skills; the ability to connect selected literature to a variety of cultures, history, and other content areas. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend public performances, and are invited to participate in technical work, rehearsals, and/or performances beyond the school day to support, extend, and assess learning in the classroom.

#### TECHNICAL THEATRE DESIGN & PRODUCTION 3 0400430

11-12 1 CREDIT

THEATRE LEADERSHIP CLASS/PORTFOLIO LEVEL

Prerequisite: Tech Design 2. Students regularly reflect on aesthetics and issues related to and addressed through theatre, and create within various aspects of theatre. Student designers and technicians assemble a portfolio that showcases a body of work representing artistic growth over time, and prepare for the audition/interview process post-high school. They research potential job opportunities in the film, television, game animation, and theatre industries, as well as scholarships and opportunities available at the university level. Students will develop growing command of theatre skills and techniques in one or more areas; and evidence of significant oral and written analytical and problem-solving skills. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend or participate in technical work, rehearsals, and/or performances beyond the school day to support, extend, and assess learning in the classroom. An inquiry-based capstone project may be required. Public performances may serve as a culmination of specific instructional goals. Students may be required to participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.



#### TECHNICAL THEATRE DESIGN & PRODUCTION 4 HONORS 0400440

12 1 CREDIT HONORS

THEATRE LEADERSHIP CLASS/PORTFOLIO LEVEL

Prerequisite: Tech Design 3. Students regularly reflect on aesthetics and issues related to and addressed through theatre, and create within various aspects of theatre in ways that are progressively more innovative. Students analyze increasingly more sophisticated theatre literature to inform the work of developing technical design and production pieces for one-acts or a larger production. Student designers and technicians assemble a portfolio that showcases a body of work representing artistic growth over time, and prepare for the audition/interview process post-high school. They research potential job opportunities in the film, television, game animation, and theatre industries, as well as scholarships and opportunities available at the university level. Students will develop growing command of theatre skills and techniques in one or more areas; and evidence of significant oral and written analytical and problem-solving skills. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend or participate in technical work, rehearsals, and/or performances beyond the school day to support, extend, and assess learning in the classroom. An inquiry-based capstone project may be required. Public performances may serve as a culmination of specific instructional goals. Students may be required to participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

### THEATRE PERFORMANCE

#### ACTING 1 0400370

9-12 1 CREDIT

Through improvisation, simple scripted scenes, performance projects, and/or practical application, students learn to identify what makes performances believable and explore the tools used to create, articulate, and execute them. While studying basic improvisation techniques, pantomime and mime techniques, as well as more advanced movement techniques, students will be able to grow as theatre artists, and apply physicality through an in depth workshop of vocal production for the stage. Students will have an overview of ancient Theatre History, and will learn to choose and analyze proper audition material for performances. The school year will culminate in a formal audition unit, preparing the acting student for any public performance or presentation in and out of class. Upon completion of this course, students have a strong foundation for future scene work, script analysis, and play production. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend public performances, and are invited to participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

#### ACTING 2 0400380

10-12 1 CREDIT

Prerequisite: Acting 1. Students examine the various dimensions of characters through analysis, discussion, and classroom performance, working with scripts from a variety of time periods and cultures. They learn to break down a scene from a character's point of view, and also learn to sustain a character and build the relationship between actor and audience. Through an in-depth study of the Five Great Acting Teachers, students of Acting 2 will develop their own Acting process, and will be able to confer intelligently about the ideal style to use for any given script. Students emerge from this Intermediate Acting level with a strong foundation to bring to any Theatre performance. Students may be required to attend public performances, and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

#### ACTING 3 0400390

11-12 1 CREDIT

THEATRE LEADERSHIP CLASS/PORTFOLIO LEVEL

Prerequisite: Acting 2. Students focus on development of significant acting skills and knowledge of the actor's literature, compiling an audition book, as well as a working actor's portfolio for exhibition and/or the interview process. They research potential job opportunities in the film, television, game animation, and theatre industries, as well as scholarships and opportunities available at the university level. An inquiry-based capstone project may be required. Public performances may serve as a culmination of specific instructional goals. Students may be required to participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

#### ACTING 4 HONORS 0400400

12 1 CREDIT HONORS

THEATRE LEADERSHIP CLASS/PORTFOLIO LEVEL

Prerequisite: Acting 3. Students create characters for theatrical and film/video productions through scene, character, and technical analysis. Students focus on development of significant acting skills and knowledge of the actor's literature, compiling an audition book, as well as a working actor's portfolio for exhibition and/or the interview process. They research potential job opportunities in the film, television, game animation, and theatre industries, as well as scholarships and opportunities available at the university level. An inquiry-based capstone project may be required. Students' "critical eye" becomes more developed and significant mastery of artistic choices becomes evident. Public performances may serve as a culmination of specific instructional goals. Students may be required to participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. Productions through scene, character, and technical analysis. Through improvisation, script writing, and aesthetic creation and collaboration, actors refine their working knowledge and independent thought, articulating and justifying their creative choices. Students' "critical eye" becomes more developed and significant mastery of artistic choices becomes evident. An inquiry-based capstone project may be required. Public performances may serve as a culmination of specific instructional goals. Students may be required to participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

### REPERTORY THEATRE LAB

#### THEATRE 2 0400320

10 1 CREDIT

#### THEATRE 3 HONORS 0400330

11 1 CREDIT HONORS

#### THEATRE 4 HONORS 0400340

12 1 CREDIT HONORS

Prerequisite: Audition only. Through collaboration and collective research and design development, students in the Repertory Theatre Lab courses will spend the majority of the school year producing and preparing a one act play slated to perform at the various Thespian Festivals. Following the end of festival season, Repertory Theatre Lab will engage in the creation of an experimental Theatre performance, starting completely from scratch. Such performances may involve: Devising, Theatre for Social Change, Puppetry, Children's Theatre, Physical Theatre, etc. Students in this course will develop the skills necessary to work in a deadline driven situation, will learn to work collaboratively as an artistic team, and will emerge creative and strong leaders and Theatre Artists. Students in this course must be serious Theatre practitioners, and must continue their training in a level 2, 3, or 4 course within the Lyman Theatre Curriculum. Note: Due to participation in the Thespian Festivals, there is a cost associated with this course. Details are outlined on the class application.

# WORLD LANGUAGES

The language programs are intended for the student learning the language as a foreign language. Native speakers should pursue a different language. All world language courses are considered elective credits.

#### JAPANESE 1 0712300

9-12 1 CREDIT

This course is designed to emphasize speaking and listening skills with spoken participation. Reading and writing skills are developed using Hiragana, one of the writing systems; a number of Kanji are learned as well. Students are introduced to the culture and traditions of Japan with an added focus of being a visitor to the country.

#### JAPANESE 2 0712310

10-12 1 CREDIT

Prerequisite: Japanese 1. Students will continue to develop skills in listening and speaking with an emphasis on conversation. Reading and writing will be further developed using Katakana and a significant amount of Kanji. Students are exposed to the culture, history and geography of Japan in greater depth.

#### SPANISH 1 0708340

9-12 1 CREDIT

This course is designed to emphasize speaking and listening skills with oral participation. Reading and writing are introduced and basic grammar structures explained. Students will be introduced to the culture and customs of various Spanish-speaking countries.

#### SPANISH 2 0708350

#### SPANISH 3 HONORS 0708360

#### SPANISH 4 HONORS 0708370

9-12 1 CREDIT EACH

Prerequisite: Previous level of Spanish. This program is designed to continue the development of skills in listening and speaking with an emphasis on conversation. Reading and writing will be further developed through expanded vocabulary and more complex grammatical structures. Culture, history, and geography will be studied in greater depth. Opportunities for enjoyment of the customs, ideas and heritage will increase.

#### AP SPANISH LANGUAGE 0708400

10-12 1 CREDIT

Responding to the 21st-century students' needs, this course is designed to continue developing Spanish language skills through authentic material such as Internet articles, podcasts, radio broadcasts, periodicals publications, and electronic communications. The course objective is to prepare the student to take the AP Spanish Language and Culture exam in May to obtain college credit. The course is taught in Spanish.

#### AP SPANISH LITERATURE 0708410

11-12 1 CREDIT

Prerequisite: AP Spanish Language. This course allows students to study selected literary texts to learn how Spanish Literature was/is influenced by historical movements and culture. The objective of the course is to prepare students to interact with texts so they successfully compose necessary essays and demonstrate comprehension. The course is taught completely in Spanish.



# PHYSICAL EDUCATION

All students are required to take and satisfactorily complete Personal Fitness and one additional half-credit of another Physical Education course for graduation. Additional elective courses in Physical Education stress coeducational, individual and dual activities, as well as a variety of team sports and aquatics. STUDENTS MAY ONLY RECEIVE CREDIT FOR EACH PHYSICAL EDUCATION COURSE ONCE.

#### PERSONAL FITNESS 1501300

9-12 0.5 CREDIT

This course is designed to provide students with opportunities to develop an individual optimal level of physical fitness and acquire knowledge of the physical fitness concept. Personal Fitness is REQUIRED for graduation.

#### WEIGHT TRAINING 1 1501340

#### WEIGHT TRAINING 2 1501350

#### WEIGHT TRAINING 3 1501360

9-12 0.5 CREDIT EACH

This course is designed to provides opportunities to acquire basic knowledge and skill in weight training.

#### CARE & PREVENTION OF ATHLETIC INJURIES 1502490

9-12 0.5 CREDIT

This is an introductory course in methods and theories involved with prevention, care, and rehabilitation of athletic injuries. Satisfies the required 0.5 credit of Physical Education

#### FIRST AID & SAFETY 0800320

10-12 0.5 CREDIT

Prerequisite: Care & Prevention. This course provides an overview of the causes and preventions of unintentional injuries, appropriate emergency responses to those injuries and crisis response planning.

#### BASKETBALL 1 1503310

#### BASKETBALL 2 1503315

9-12 0.5 CREDIT EACH

Basketball teaches basic knowledge and fundamental skills and techniques of the game.

#### TEAM SPORTS 1 1503350

#### TEAM SPORTS 2 1503360

9-12 0.5 CREDIT EACH

Team Sports provides students with opportunities to acquire knowledge of the strategies of sports play and develop skills in selected team sports while maintaining and/or improving their personal fitness.

#### VOLLEYBALL 1 1505500

#### VOLLEYBALL 2 1505510

#### VOLLEYBALL 3 1505520

9-12 0.5 CREDIT EACH

Volleyball teaches skills in required for the game, while maintaining and/or improving their personal fitness.



## AFRICAN AMERICAN HISTORY HONORS 2100336

10-12 0.5 CREDIT HONORS

The primary content emphasis for this course pertains to the study of the chronological development of African Americans by examining the political, economic, social, religious, military and cultural events that affected the cultural group. Content will include, but is not limited to, West African heritage, the Middle Passage and Triangular Trade, the African Diaspora, significant turning points and trends in the development of African American culture and institutions, enslavement and emancipation, the Abolition, Black Nationalist, and Civil Rights movements, major historical figures and events in African-American history, and contemporary African-American affairs.

## AP COMPUTER SCIENCE A 0200320

11-12 1 CREDIT

Corequisite: Algebra 2 Honors. This course is for students interested in improving their analytical thinking and problem-solving skills. Students will learn the fundamental concepts of software development (such as writing algorithms, storing and manipulating data, and object-orientation programming) through the Java programming language. This year-long course is equivalent to a first semester college-level course in Computer Science and contains the AP exam in May, for which most colleges award credit to students who achieve a passing score. Note: Students who are considering taking multiple computer science courses are encouraged to take the AP Computer Science Principles before taking this class, however it is NOT required. Students who have successfully completed Geometry Honors may take this as their first computer science course. Students who are not planning to major in computer science in college will benefit from the skills and concepts practiced in this class as many professions other than computer science use these skills.

## AP COMPUTER SCIENCE PRINCIPLES 0200335

10-12 1 CREDIT

AP Computer Science Principles introduces students to the central ideas of computer science, inviting students to develop the computational thinking vital for success across multiple disciplines. The course is unique in its focus on fostering students to be creative and encouraging students to apply creative processes when developing computational artifacts. Students design and implement innovative solutions using an iterative process similar to what artists, writers, computer scientists, and engineers use to bring ideas to life.

## AP HUMAN GEOGRAPHY 2103400

9 1 CREDIT

This is an academic elective course. This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

## AP PSYCHOLOGY 2107350

11-12 1 CREDIT

This is an academic elective course. This course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and animals. Students will study the psychological facts, principles, and phenomena associated with each of the major sub fields within psychology. Students will also learn about the methods psychologists use in their science and practice. Based on results of the AP exam, college credit may be awarded by participating colleges.

## AP SEMINAR 1700350

11-12 1 CREDIT

AP Seminar, the first course in the AP Capstone experience, allows students to investigate real-world issues from multiple perspectives and analyze information from various sources to develop credible and valid evidence-based arguments. This foundational course focuses on the importance of engaging students in cross-curricular conversations and the efficient use of evidence-based reasoning. Using an inquiry framework students practice reading and analyzing articles; research studies, a foundational literary and philosophical texts; listen to and analyze speeches, broadcasts and personal accounts; and experience artistic works and performances. Students learn to synthesize information and visual presentations, both individually and as part of a combined team.

## AP RESEARCH 1700355

11-12 1 CREDIT

Prerequisite: AP Seminar. This is the second course in the AP Capstone experience, which allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a year-long investigation to address a research question. Through this inquiry, they further the skills acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of approximately 4,000-5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. Students are highly encouraged to register concurrently for a statistics course, if they have not already completed one.

## ARMY JUNIOR RESERVE OFFICERS TRAINING PROGRAM

### JROTC1 1801300

### JROTC2 1801310

### JROTC3 1801320

### JROTC4 1801330

9-12 1 CREDIT EACH

The Army JROTC program is a progressive elective that teaches leader development by instilling a strong sense of integrity, responsibility, respect for others, ethics, critical thinking, and respect for authority. The curriculum includes serving in company and battalion leadership positions. This course does not train or recruit for the military; rather the Army JROTC mission is to motivate young people to be better citizens. Students must possess a sincere intent to participate and comply with the rigorous requirements of the program (uniform wear, grooming, drill/ceremonies, physical fitness, and community service). A minimum 2.0 GPA and positive behavior record is required to progress to the next level. Students may gain advanced military promotions if enlisting after graduation or compete for Senior ROTC scholarships and academy appointments. Students wear the Army JROTC uniform once a week. The uniform is issued (no cost) to students in positive academic standing. Courses must be taken in sequential order.

## COMPUTER SCIENCE 1 HONORS 9007610

9-10 1 CREDIT

Corequisite: Algebra 2 Honors. In this course students will explore the area of computer science. Students will be able to design and implement coding in order to solve real-world problems. Students who take this course are able to participate in the new computer science pathway which includes both AP courses and dual enrollment.



## INFORMATION TECHNOLOGY 8207310

9-12 1 CREDIT

This exciting course provides you with the foundational skills needed for future careers in a variety of technological fields. You'll explore emerging technologies, digital design, Microsoft Office online applications, operating systems, and much more! Learn your strengths and how they relate to potential career opportunities.

### DEBATE 1 1007330

### DEBATE 2 1007340

### DEBATE 3 HONORS 1007350

9-12 1 CREDIT EACH

These courses provides instruction in the fundamentals of formal and informal oral communication. Major instructional areas will include forms of oral communication, techniques of group discussion techniques of effective listening, analysis of the audience, and techniques of public speaking. Courses must be taken in sequential order.

## JOURNALISM 1 1006300

9-12 1 CREDIT

Explore the possibility of becoming a journalist, photo journalist or layout designer through Journalism 1. Students will be introduced to journalistic media, desktop publishing, advertising sales and design, layout and writing for publications. This course is designed for students who are interested in trying new opportunities to express themselves through writing, publishing and designing our school newspaper that is focused on Lyman's media presence through both digital and print newspaper.

## LATINOS IN ACTION

### LIA1 14003000LA/14003100LA

9 1 CREDIT

### LIA2 14003200LA/14003300LA

10 1 CREDIT

### LIA3 05005200LA

11 1 CREDIT

### LIA4 05005300LA

12 1 CREDIT

Latinos In Action (LIA) is a course that aims to empower Latino youth to be college and career-ready through culture, service, leadership, and excellence in education. Latinos in Action's vision is to be the model for Latino youth engagement through personal assets, excellence in education, service, and leadership. LIA is new to Lyman this school year. As class participants and club members, students can participate in service projects, tutoring, field trips, and participate at the Annual LIA Conference.

## LEADERSHIP 1

### LEADERSHIP HONORS 2-4

9-12 1 CREDIT EACH

Prerequisite: Application. Leadership is scheduled for Student Government class officers and committee members as designated by Student Government Sponsor. Pick up an application from Mrs. King in room 03-003. Return completed applications to room 03-003. Mrs. King will give course number.

## MECHATRONICS 1 HONORS 9410110

9 1 CREDIT HONORS

## MECHATRONICS 2 HONORS 9410120

10 1 CREDIT HONORS

## MECHATRONICS 3 HONORS 9410130

11 1 CREDIT HONORS

## MECHATRONICS 4 HONORS 9410140

12 1 CREDIT HONORS

This is an exciting emerging field that covers everything from aerospace to automotive. Combining both mechanical and electronics writing codes to designing robots, medical devices and industry robotics. Students learn how to design and build robotic systems while enhancing their knowledge of automation, including artificial intelligence, electronics, physics, and principles of engineering. Students in this program can receive industry certifications as well as participate in our FIRST robotics competition.

## NEWSPAPER & YEARBOOK

### NEWSPAPER 1 HONORS 1006331NP1

### NEWSPAPER 2 HONORS 1006332NP2

### NEWSPAPER 3 HONORS 1006333NP3

### YEARBOOK 1 HONORS 1006331YB1

### YEARBOOK 2 HONORS 1006332YB2

### YEARBOOK 3 HONORS 1006333YB3

10-12 1 CREDIT EACH

Prerequisite: Journalism 1. Up to two classes per year may be taken. Design and create Lyman's stellar publications as an apprentice for either the school newspaper (print and digital) or the yearbook. Students will work on all aspects of the publication including news, sports, features, photos and advertising sales. Students will apply and refine journalistic skills using word processing (Microsoft Office) and Desktop Publishing programs (Adobe InDesign, Photoshop, Illustrator). Students will have the opportunity to acquire industry certification. There are mandatory summer ad sales requirements, for this course as well as after school obligations for both publications. Summer camp opportunities are also highly encouraged to enhance skills and discover advanced journalistic techniques.

## OJT-5TH PERIOD 83004205

## OJT-6TH PERIOD 83004206

11-12 1 CREDIT

Prerequisite: Students must be at least 16 years of age and be employed by the first day of the semester. Must be able to submit pay stubs to verify hours worked.

On-the-Job Training (OJT) is a school to work program offering occupational work experience. In order to take OJT, students must have completed 1.0 credit of a Career Technical Education (CTE) course in a prior year in high school OR student will be co-enrolled in a Workplace Essentials course where students will learn supplementary employability and workforce skills.

The student's employment is supervised by the coordinator and workplace mentor/ supervisor in accordance with all Federal and Florida Labor Laws future employment and careers. All students who are not 18 years of age must have work hours governed by Florida's child labor provisions. Florida's Child Labor Program with the child labor laws overview (Condensed for quick and easy reading), the current child labor laws poster, and the current child labor laws handbook are available on-line at [www.myflorida.com/dbpr/pro/childlabor/index.shtml](http://www.myflorida.com/dbpr/pro/childlabor/index.shtml) and Chapter 450, Part I, Florida Statutes.



## PERSONAL FINANCIAL LITERACY HONORS 2102374

10-12 0.5 CREDIT HONORS

The primary content for the course pertains to the study of learning the ideas, concepts, knowledge and skills that will enable students to implement beneficial personal decision-making choices; to become wise, successful, and knowledgeable consumers, savers, investors, users of credit and money managers; and to be participating members of a global workforce and society.

## SAT PREP 1700370

11-12 0.5 CREDIT

Prerequisite: Algebra 2 or concurrently. The student will learn skills in order to be successful on SAT & ACT exams while also becoming informed of the college admission process. Students will also write their college essays and learn how to increase their odds to get into the college of their choice.

## SHAKESPEARE ELECTIVE HONORS 1005350

10-12 0.5 CREDIT

Shakespeare wrote at the start of the early modern era, a time of rapid change, creating "worlds out of words" that still inform us more than 400 years later. The themes and emotions in Shakespeare's writing are widely relatable and connect us to a shared human experience. In this course, students will read from Shakespeare's comedies, tragedies, histories and sonnets while exploring his influence on the world, from Nelson Mandela to Netflix. Principles from London's Globe Theatre will be used and students should be prepared to read, watch and discuss Shakespeare's works.

## SSC LIFE & CAREER PLANNING SLS1301

11-12 0.5 CREDIT - 3 COLLEGE CREDITS

These courses are designed to assist students with the lifelong process of career development. Students will participate in a variety of experiences as a group and individually. The coursework is designed to help students identify and examine their interests, personality, values, self-esteem, critical thinking skills and to use this increased self-awareness to make decisions about majors and careers.

## YOUNG MEN OF EXCELLENCE

### YMOE 1 14003000M/14003100M

9 1 CREDIT

### YMOE 2 14003200M/14003300M

10 1 CREDIT

### YMOE 3 05005200M

11 1 CREDIT

### YMOE 4 05005300M

12 1 CREDIT

Lyman Young Men of Excellence is currently looking for amazing candidates to join our band of brotherhood! Young Men of Excellence empowers male students through fun and engaging activities that provide the necessary skills for social and academic growth. Join our brotherhood as we continue to promote awareness of various issues that affect our campus and communities. Learn about goal setting and leadership from guest speaker presentations. Gain exposure to college and career choices and community services opportunities. Be a leader on campus while at the same time establishing relationships through mentorships, team building exercises and establishment of fraternal bonds. We are Young Men of Excellence! For more information about this course please contact Mr. Bernard Knight.

## YOUNG WOMEN OF EXCELLENCE

### YWOE 1 14003000W/14003100W

9 1 CREDIT

### YWOE 2 14003200W/14003300W

10 1 CREDIT

### YWOE 3 05005200W

11 1 CREDIT

### YWOE 4 05005300W

12 1 CREDIT

Lyman Young Women of Excellence is currently looking for amazing candidates to join our sisterhood! Young Women of Excellence empowers female students through fun and engaging activities that provide the necessary skills for social and academic growth. Join our sisterhood as we continue to promote awareness of various issues that affect our campus and communities. Learn about goal setting and leadership from guest speaker presentations. Gain exposure to college and career choices and community services opportunities. Be a leader on campus while at the same time establishing relationships through mentorships, team building exercises and establishment of bonds. We are Young Women of Excellence! For more information about this course please contact Coach Hennis.



# ENGLISH LANGUAGE ARTS

Course Name	Course Number	Grade Level	Credit	Prerequisite
English 1	1001310	9	1	
English 1 ESOL	1002300	9	1	
English 1 Honors	1001320	9	1	
English 2	1001340	10	1	
English 2 ESOL	1002310	10	1	
English 2 Honors	1001350	10	1	
English 3	1001370	11	1	
English 3 Honors	1002320	11	1	
English 3 ESOL	1001380	11	1	
AP English Language	1001420	11-12	1	
English 4 College Prep	1001405	12	1	
English 4 ESOL	1002520	12	1	
English 4 Honors	1001410	12	1	
AP English Literature	1001430	12	1	AP English Language

### Standard:

Standard level courses meet all state required B.E.S.T. course standards. Post high school plans for students taking standard level courses commonly range from attending a state or community college, attending a career technical school, pursuing an apprenticeship, or entering the workforce. Standard courses can also be used as a stepping stone to Honors courses for students who feel they need more preparation.

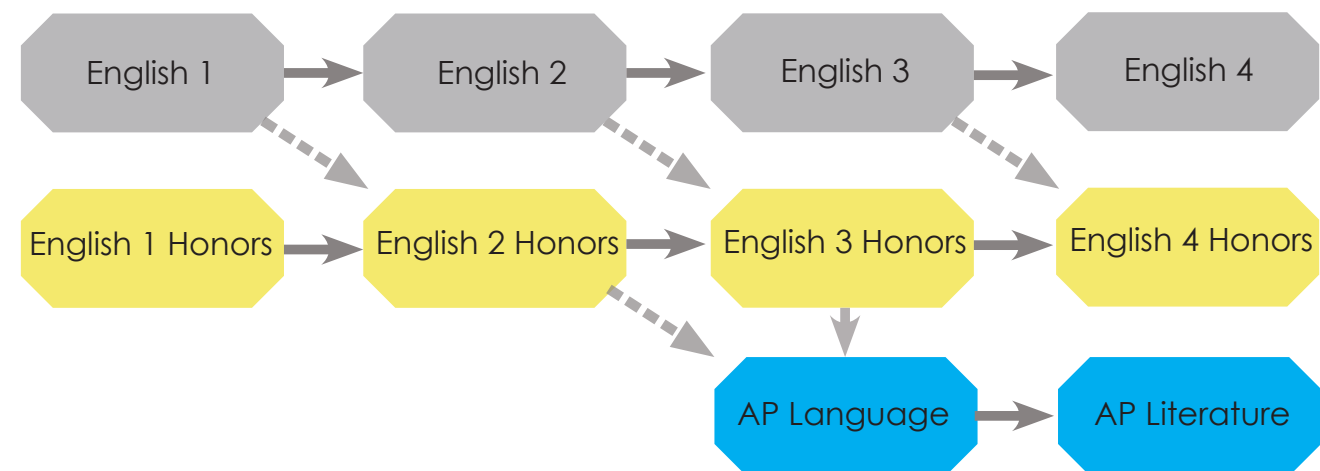
### Honors:

Honors courses are considered a level higher than standard level courses, generally proceed at a faster pace and cover additional state required B.E.S.T. course standards. Grades in Honors courses earned at a C or higher will receive .5 additional quality points toward the high school GPA calculation (i.e. A = 4.5 quality points, B = 3.5 quality points, C = 2.5 quality points).

Students with prior placement in the Gifted program will be placed in Gifted class sections when available. Gifted classes are not offered in all subjects/ courses. Gifted classes share the same description as Honors courses and appear as Honors courses on the student's transcript. Gifted classes are taught by Gifted endorsed teachers who differentiate instruction based on the needs of Gifted students.

### Advanced Placement (AP):

Advanced Placement (AP) is a national program created by the College Board which offers college-level curricula and examinations to high school students. American colleges and universities may grant placement and course credit to students who obtain scores of 3, 4, or 5 on the examinations. Grades in AP courses earned with a C or higher will receive 1.0 additional quality points toward the high school GPA calculation (i.e. A = 5.0 quality points, B = 4.0 quality points, C = 3.0 quality points).



# MATHEMATICS

Course Name	Course Number	Grade Level	Credit	Prerequisite
Algebra 1	1200310	9	1	
Algebra 1 Honors	1200320	9	1	
Geometry	1206310	9-11	1	Algebra 1
Geometry Honors	1206320	9-10	1	Algebra 1
Algebra 2	1200330	9-12	1	Algebra 1 + Geometry
Algebra 2 Honors	1200340	9-12	1	Algebra 1 + Geometry
Precalculus Honors	1202340	10-12	1	Algebra 2 Honors
Math for Data Financial Literature	1200387	11-12	1	Algebra 1 + Geometry
Math for Data Financial Literature Honors	1200388	11-12	1	Algebra 1 + Geometry Honors
AP Calculus AB	1202310	11-12	1	Precalculus Honors
AP Calculus BC	1202320	11-12	1	AP Calculus AB
Probability & Statistics Honors	1210300	11-12	1	Algebra 2
AP Statistics	1210320	11-12	1	Algebra 2 Honors
Math for College Liberal Arts	1207350	12	1	Algebra 1 + Geometry

### Standard:

Standard level courses meet all state required B.E.S.T. course standards. Post high school plans for students taking standard level courses commonly range from attending a state or community college, attending a career technical school, pursuing an apprenticeship, or entering the workforce. Standard courses can also be used as a stepping stone to Honors courses for students who feel they need more preparation.

### Honors:

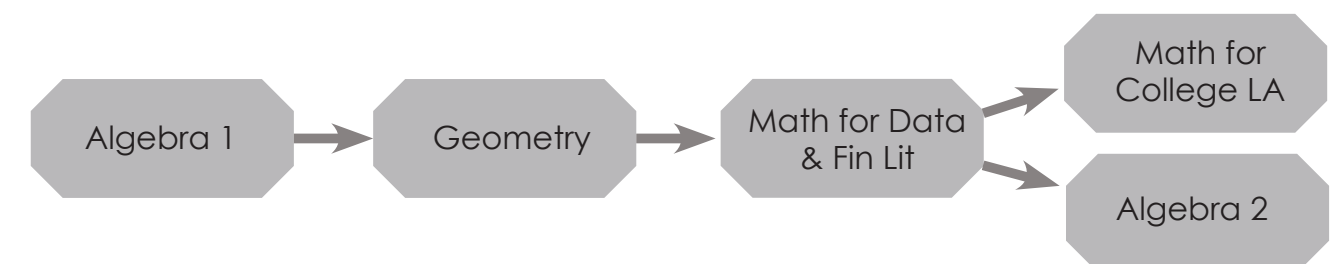
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Students with prior placement in the Gifted program will be placed in Gifted class sections when available. Gifted classes are not offered in all subjects/ courses. Gifted classes share the same description as Honors courses and appear as Honors courses on the student's transcript. Gifted classes are taught by Gifted endorsed teachers who differentiate instruction based on the needs of Gifted students.

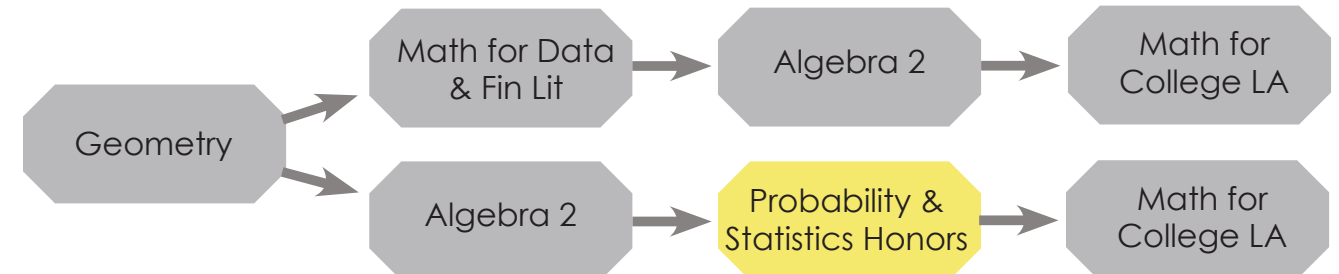
### Advanced Placement (AP):

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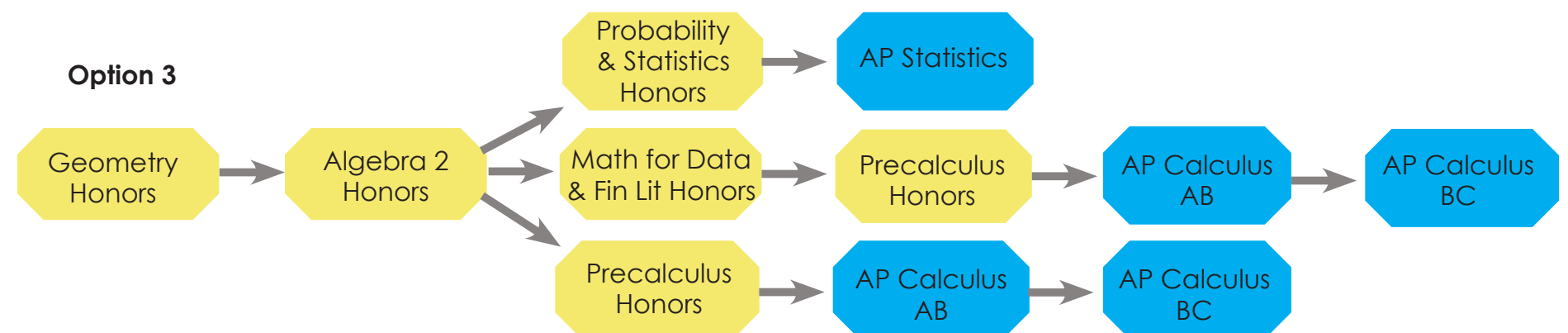
### Option 1



### Option 2



### Option 3



# SCIENCE

Course Name	Course Number	Grade Level	Credit	Prerequisite
Environmental Science	2001340	9	1	
Biology	2000310	9-10	1	
Biology Honors	2000320	9-10	1	
AP Biology	2000340	10-12	1	Biology Honors
Chemistry	2003340	10-11	1	Biology + Algebra 1
Chemistry Honors	2003350	10-11	1	Biology + Algebra 1
Physical Science	2003310	10-12	1	Biology
AP Environmental Science	2001380	10-12	1	Biology
Marine Science	2002500	11-12	1	Biology
Anatomy & Physiology	2000350	11-12	1	Biology
Anatomy & Physiology Honors	2000360	11-12	1	Biology
AP Chemistry	2003370	11-12	1	Biology + Chemistry + Algebra 2
Physics 1	2003380	11-12	1	Biology + Chemistry + Algebra 1
Physics 1 Honors	2003390	11-12	1	Biology + Chemistry + Algebra 2 Honors
AP Physics 1	2003421	11-12	1	Biology + Algebra 2
AP Physics 2	2003422	11-12	1	Biology + Precalculus or enrolled
AP Physics C	2003430	11-12	1	AP Physics 1 + AP Calculus or enrolled
Science Deep Dive Honors	2002340	12	1	Teacher Recommendation

### Standard:

Standard level courses meet all state required B.E.S.T. course standards. Post high school plans for students taking standard level courses commonly range from attending a state or community college, attending a career technical school, pursuing an apprenticeship, or entering the workforce. Standard courses can also be used as a stepping stone to Honors courses for students who feel they need more preparation.

### Honors:

Honors courses are considered a level higher than standard level courses, generally proceed at a faster pace and cover additional state required B.E.S.T. course standards. Grades in Honors courses earned at a C or higher will receive .5 additional quality points toward the high school GPA calculation (i.e. A = 4.5 quality points, B = 3.5 quality points, C = 2.5 quality points).

Students with prior placement in the Gifted program will be placed in Gifted class sections when available. Gifted classes are not offered in all subjects/ courses. Gifted classes share the same description as Honors courses and appear as Honors courses on the student's transcript. Gifted classes are taught by Gifted endorsed teachers who differentiate instruction based on the needs of Gifted students.

### Advanced Placement (AP):

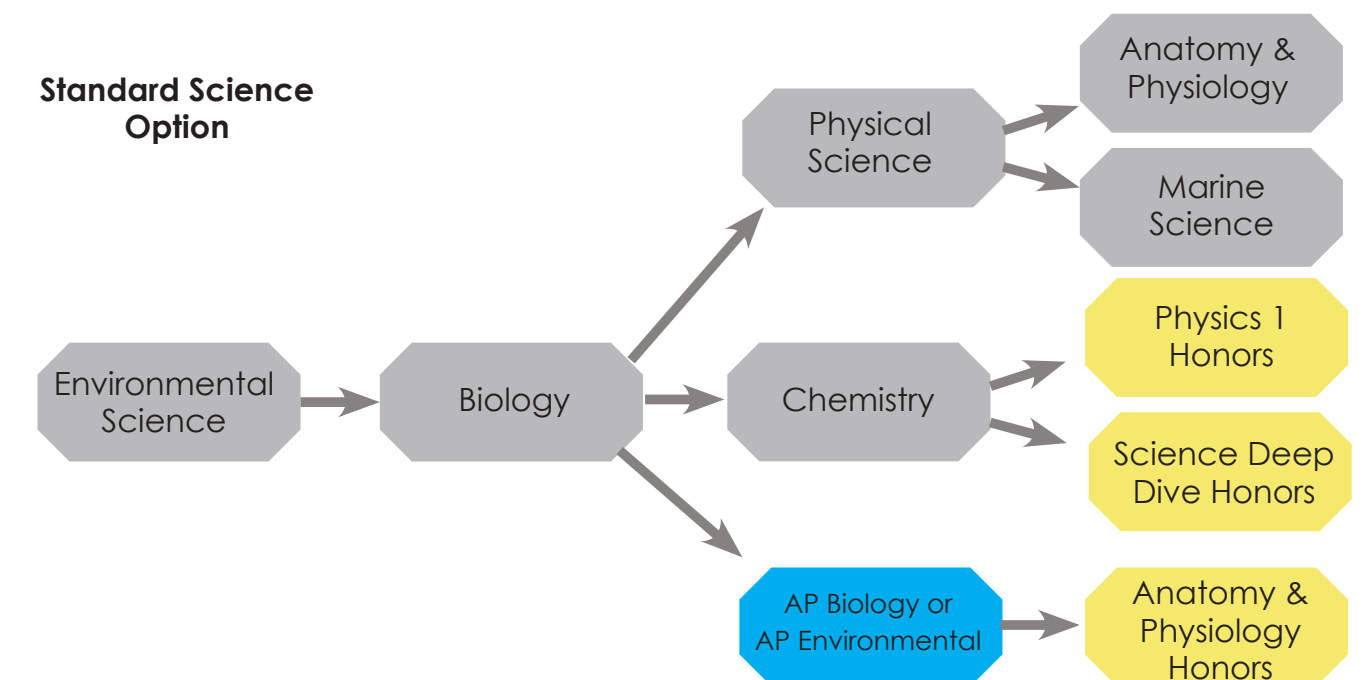
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### SCIENCE DEEP DIVE HONORS 2002340

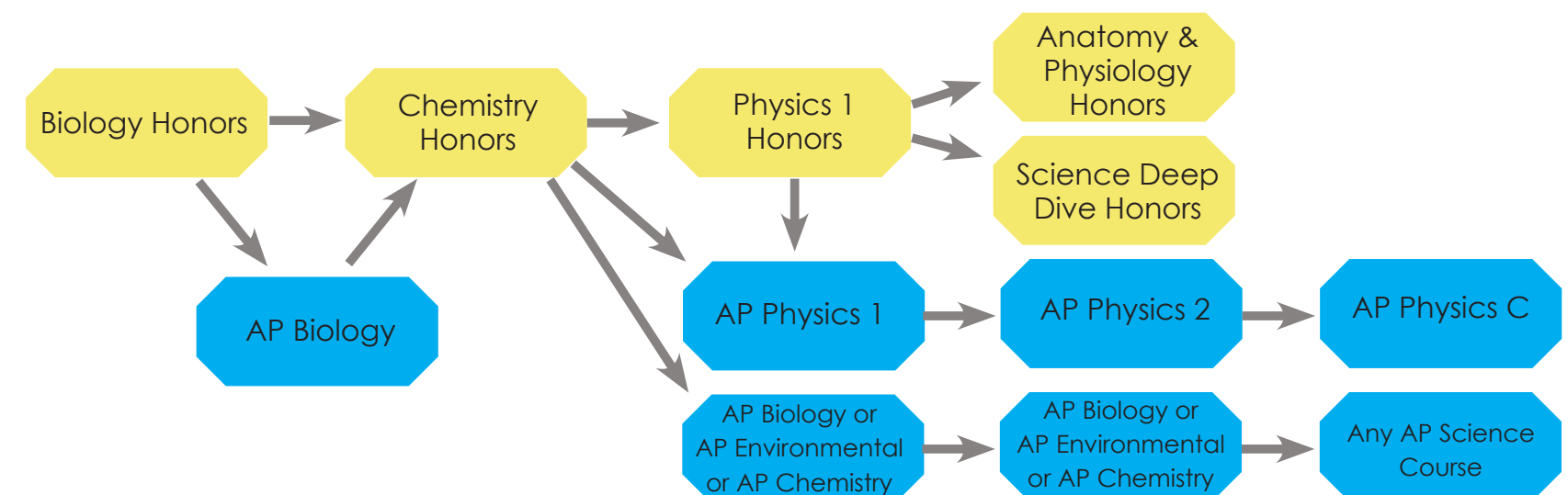
12 1 CREDIT HONORS

Prerequisite: Teacher Recommendation. Experimental Science 1 is designed for self-motivated and inquiring science students interested in producing an original research project. This course requires significant time and effort inside and outside of class. Students will develop research questions suitable for scientific research competitions and possibly publication. Participation in the SCPS Regional Science Fair. Students will be expected to design and perform original research, record the research process, and analyze the results of their investigation, and write a research paper and produce a scientific poster to present their findings. Students may need to travel from campus to local research laboratories to conduct research.

# SCIENCE



### Honors Science Option



## SOCIAL STUDIES

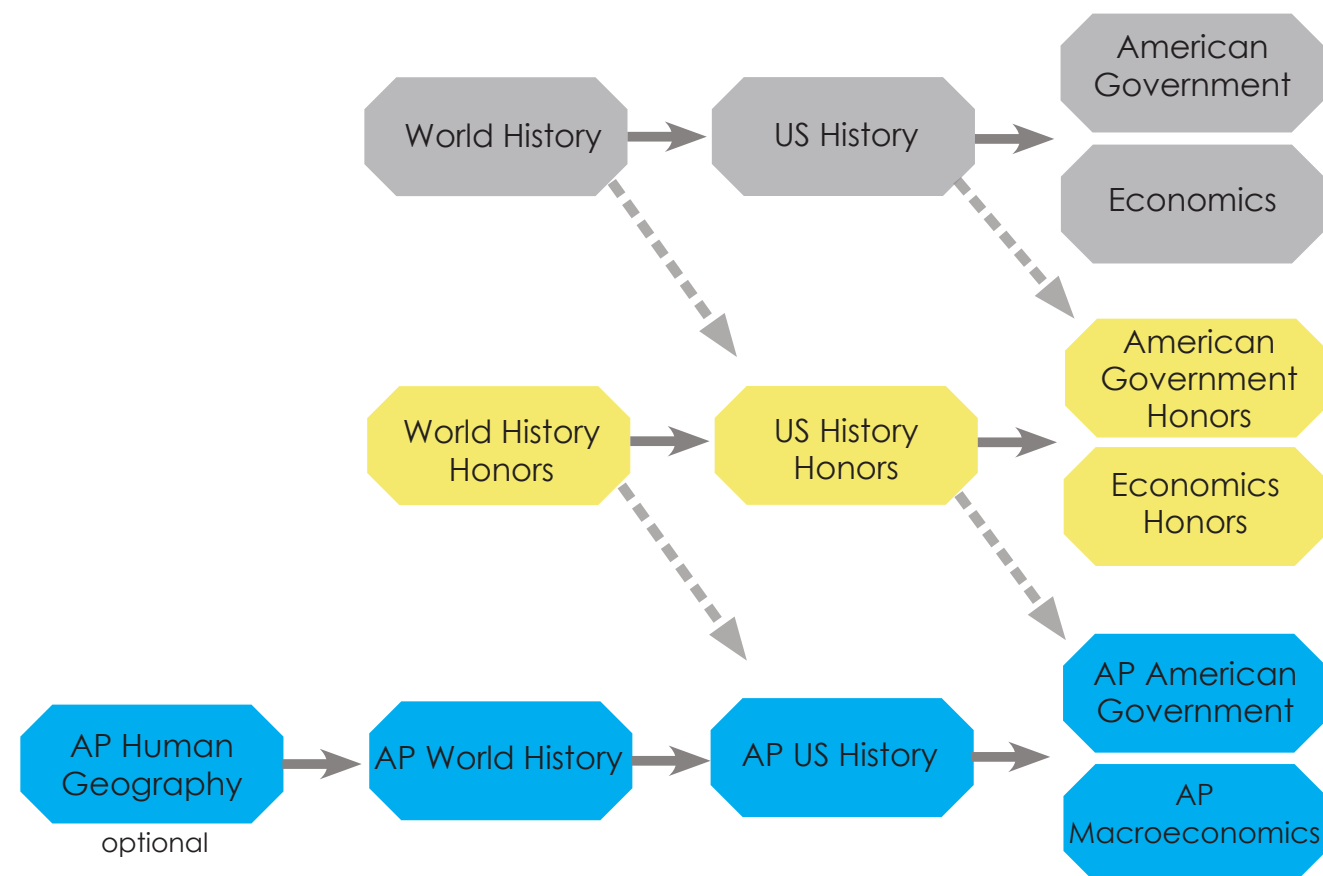
Course Name	Course Number	Grade Level	Credit	Prerequisite
World History	2109310	10	1	
World History Honors	2109320	10	1	
AP World History	2109420	10	1	
US History	2100310	11	1	World History
US History Honors	2100320	11	1	World History
AP US History	2100330	11	1	World History Honors or AP World History
American Government	2106310	12	0.5	US History
American Government Honors	2106320	12	0.5	US History
AP American Government	2106420	12	0.5	US History Honors or AP US History
Economics	2102310	12	0.5	US History
Economics Honors	2102320	12	0.5	US History
AP Macroeconomics	2102370	12	0.5	US History Honors or AP US History + Algebra 2

**Standard:**  
Standard level courses meet all state required B.E.S.T. course standards. Post high school plans for students taking standard level courses commonly range from attending a state or community college, attending a career technical school, pursuing an apprenticeship, or entering the workforce. Standard courses can also be used as a stepping stone to Honors courses for students who feel they need more preparation.

**Honors:**  
Honors courses are considered a level higher than standard level courses, generally proceed at a faster pace and cover additional state required B.E.S.T. course standards. Grades in Honors courses earned at a C or higher will receive .5 additional quality points toward the high school GPA calculation (i.e. A = 4.5 quality points, B = 3.5 quality points, C = 2.5 quality points).

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## EXCEPTIONAL STUDENT EDUCATION

### ACCESS DIRECT INSTRUCTION COURSES

English	Math	Science	Social Studies	Intensive Reading	Elective	Elective
ELA 9	Algebra 1	Earth Space Science	Government / Economics	Learn Strats Curriculum Project	Career Prep	Performing or Fine Art
ELA 10	Liberal Arts Math	Biology	World History	Learn Strats Curriculum Project	Personal Fitness / PE	Elective Choice
ELA 11	Geometry	Chemistry	US History	Learn Strats Curriculum Project	Elective Choice	Elective Choice
ELA 12	Algebra 2	Integrated Science	Learn Strats Curriculum Project	JET / Work Experience	JET / Work Experience	JET / Work Experience

#### SOCIAL PERSONAL SKILLS 7963070

9-12                      1 CREDIT

This course is designed to assist students in learning social, personal and general life skills. We will cover conflict resolution, making proper choices and appropriate classroom behavior.

#### LEARNING STRATEGIES 7963080

9-12                      1 CREDIT

Learning Strategies is designed to promote skills that support student learning using mainstream curricular materials as appropriate. The teacher will help the student identify and implement strategies to meet their individualized goals. Student progress toward goal attainment will be closely monitored. The Learning Strategies teacher will work collaboratively with students, classroom teachers, Student Services and other support staff.



# DIPLOMA PATHWAY REQUIREMENTS

## STANDARD DIPLOMA PATHWAY

CREDIT REQUIREMENTS (must include one (1) online course)

- English Credits (English 1 – English 4) or equivalent accelerated course(s) - 4 credits
- Math Credits Grades (9-12) (must include Algebra 1 & Geometry) - 4 credits
- Science Credits (must include Biology 1, (3) courses must contain a lab component, and 2 Equally Rigorously Courses)-4 credits
- Social Studies (must include World History, US History, 0.5 US Government & 0.5 Economics)-3 credits
- Fine or Performing Arts, Debate or Practical Art-1 credit
- ½ Personal Fitness and ½ PE Elective-1 credit
- Elective Credits-9 credits
- Have a minimum, cumulative GPA of at least a 2.0 on a 4.0 scale
- \*\*An approved Computer Science course may take the place of a math or science credit\*\*

TESTING REQUIREMENTS

- Passing Score on: Grade 10 ELA FSA or concordant score & Algebra 1 EOC or comparative score
- EOC's in Algebra 1\*, Geometry, Biology 1 & US History will count as 30% of the students overall grade
- \*\*A passing industry certification may take the place of a science or math credit\*\*
- Industry certifications that lead to college credit may substitute for up to two mathematics credits (except for Algebra 1 and Geometry).
- An industry certification that leads to college credit substitutes for up to one science credit (except for Biology 1).

## SCHOLARS DIPLOMA PATHWAY

CREDIT REQUIREMENTS OF A STANDARD DIPLOMA, PLUS:

- \*Earn (1) credit in Statistics or equally rigorous mathematics course
- \*Earn (1) credit in Algebra 2 or equally rigorous mathematics course
- \*Earn (1) credit in Chemistry or Physics
- \*Earn (1) credit in science course equally rigorous to Chemistry or Physics
- \*Earn (2) credits in the same world language course
- \*Earn (1) credit in Advanced Placement, International Baccalaureate, an Advanced International Certificate of Education, Dual Enrollment Course

TESTING REQUIREMENTS

- Passing Score on Grade 10 ELA, Algebra 1 EOC, Geometry EOC, Biology 1 EOC, and US History EOC

## MERIT DIPLOMA PATHWAY

CREDIT REQUIREMENTS OF STANDARD DIPLOMA, PLUS:

- REQUIREMENTS OF STANDARD DIPLOMA PLUS:
- \*Attain one or more Industry Certifications from the list established under S. 1003.492 F. S
- \*\*\*\*Industry Certification Courses which lead to college credit may be substituted for up to two math credits and/ or one science credit excluding Algebra 1, Geometry and Biology\*\*\*

TEST REQUIREMENTS

- SAME AS THE STANDARD DIPLOMA

## SCHOLARS WITH DISTINCTION DIPLOMA PATHWAY

CREDIT REQUIREMENTS OF A SCHOLARS DESIGNATION PATHWAY, PLUS:

- \* Cumulative Weighted Grade Point Average of 3.75 or higher
- \* (3) Consecutive years in the same World Language
- \* (6) credits in AP or IB classes earning a grade of A or B or (4) AP or IB and (2) Dual Enrollment Credits
- \* (1) credit in Experimental Research or equivalent with a grade of A or B or (1) Extended Essay, Senior Portfolio or 4th year of World Language or (1) extra AP, IB or Dual Enrollment Credit.

TEST REQUIREMENTS

- SAME AS THE SCHOLARS DESIGNATION PATHWAY

## CTE (CAREER AND TECHNICAL EDUCATION) PATHWAY

REQUIREMENTS OF A STANDARD DIPLOMA (With exceptions listed here):

- \* Requires 18-credits
- \* 4 electives instead of 9
  - \* 2 credits in CTE Courses, must result in program completion and industry certification
  - \* 2 credits in work-based learning programs or up to 2 elective credits, including financial literacy
- \* Physical Education is not required
- \* Fine and Performing Arts, Speech and Debate or Practical Arts is not required
- \* Online course is not required

TEST REQUIREMENTS

- SAME AS THE SCHOLARS DESIGNATION PATHWAY

## BILITERACY DIPLOMA

CREDIT REQUIREMENTS OF STANDARD DIPLOMA, PLUS:

- \*Earn four world language course credits in the same world language
- \*Earn a cumulative grade point average of 3.0 or higher on a 4.0 scale
- \*Earn a qualifying score on a world language assessment

TEST REQUIREMENTS

- SAME AS THE STANDARD DIPLOMA, PLUS
- Qualifying score on a world language assessment

## ADVANCED PLACEMENT CAPSTONE DIPLOMA

CREDIT REQUIREMENTS OF STANDARD DIPLOMA, PLUS:

- REQUIREMENTS OF STANDARD DIPLOMA PLUS:
- \*Satisfactory completion of the AP Seminar course as determined by College Board
- \*Satisfactory completion of the AP Research course as determined by College Board
- \*Satisfactory completion of four AP courses as determined by College Board

TEST REQUIREMENTS

- SAME AS THE STANDARD DIPLOMA, PLUS
- Satisfactory completion of AP courses as determined by the College Board

# SCPS PROGRAM OF EMPHASIS INFORMATION



**FEBRUARY 1 –  
APRIL 1, 2022**

On Time Application Period

## HIGH SCHOOL PROGRAMS OF EMPHASIS



- Programs of Emphasis provide a focused area of study centered around a career pathway.
- Students who are zoned for the school may select a Program of Emphasis via course scheduling and should speak with a school counselor.
- A limited number of seats in the programs listed in this guide may be available for 9th-12th grade students who are not zoned to the school.
- Acceptance into a program of emphasis for students applying for grade ten and above is contingent upon a school based administrative review of their transcripts.

	MODELING, SIMULATION, & ANALYSIS (C)	Hagerty High School	In the Modeling, Simulation, & Analysis program students learn to navigate and create detailed models and virtual simulations. This pathway has the potential to lead to high paying careers in diverse fields related to modeling/simulation technologies and program management.
	ACADEMY OF FINANCE (C)	Lake Brantley High School	The Academy of Finance offers a curriculum comprised of finance and business technology including Accounting Applications and Personal Financial Planning.
	CREATIVE DESIGN & ENTERTAINMENT (C)	Lake Brantley High School	Students who participate in the Creative Design & Entertainment Program have the opportunity to develop their artistic and digital skill sets while preparing for a future career. Currently, the program includes the following pathways: Digital Photography Technology, 3D Animation Technology, Interior Design, and Digital Audio Production.
	CYBERSECURITY (C)	Lake Howell High School	The Cybersecurity program curriculum introduces and prepares students for careers in computer science and cyber-defense in multiple industries.
	BUSINESS & ENTREPRENEURSHIP (C/D)	Lake Howell High School	The Business & Entrepreneurship program curriculum introduces the broad spectrum of business, industry, and small business initiatives. Students will develop the fundamental knowledge and skills necessary to start and operate a business. This program includes opportunities to earn dual enrollment credit or an Associate in Arts degree in Business from Seminole State College.
	ADVANCED MANUFACTURING & INNOVATION (C)	Lake Mary High School	The Advanced Manufacturing & Innovation program provides students the opportunity to design and prototype innovative products using high-tech, industry standard equipment.
	FORENSIC SCIENCE & LEGAL STUDIES (D)	Lake Mary High School	This program includes two pathways: Forensic Science uses groundbreaking, modern scientific technology in crime scene investigation and Legal Studies teaches the foundations of our legal system.
	ACADEMY OF BUILDING AND DESIGN (C)	Lyman High School	The Academy of Building & Design provides students with the opportunity to explore careers in General Building Trades, Electrical, HVAC/Refrigeration, and Welding. Students will follow a progression of courses aligned with a chosen trade and complete industry-specific course content that will help them obtain employment in the construction industry.
	BIOSCIENCE TECHNOLOGY (C)	Oviedo High School	The Bioscience Technology program prepares students to be successful in career fields of applied biology in various industries. The courses are designed to be predominantly laboratory based with a focus on utilizing bioscience equipment and practicing lab technician skills.
	PROBLEM SOLVING INCUBATOR (C)	Seminole High School	PSI High is a project-based, full-time Program of Emphasis in which students work in a high tech school of the future designed to solve real community, business, and social problems. All students complete the Business Management and Analysis CTE program, earn multiple industry certifications in either digital design, product engineering, or computer application design, and gain direct management experience operating a School-Based Enterprise.
	AVIATION ACADEMY (C)	Seminole High School	The Aviation Academy allows access to two programs. In Aviation Maintenance students learn core flight safety and the inner workings of aircraft through maintenance coursework. The Avionics Systems program introduces students to the high-tech electronics systems aboard an aircraft. The Aviation Academy is designed to prepare students for employment or advanced training in the aviation industry.
	RENEWABLE ENERGY (D)	Winter Springs High School	The Renewable Energy program allows students to study energy technologies and the advantages, disadvantages, and limitations of renewable energy resources for a sustainable future.
	PUBLIC SERVICE ACADEMY	Winter Springs High School	The Public Service Academy exposes students to the wide variety of career opportunities in government operations and public safety. The program includes three pathway options: Principles of Teaching, Criminal Justice Operations, and Emergency Planning & Response.

C = Program Includes Industry Certification D = Program Includes Dual Enrollment Credits

APPLY AT [WWW.SEMINOLESCHOOLCHOICESAPPLICATION.US](http://WWW.SEMINOLESCHOOLCHOICESAPPLICATION.US)


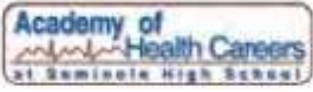





**OCTOBER 1 –  
DECEMBER 1,  
2021**

On Time Application Period

There is a sibling link for incoming 9th grade students to attend the same program that his/her sibling currently attends and will continue to attend. The new student is required to submit an application during the application period. Current students do not need to re-apply.

## HIGH SCHOOL MAGNETS

- Magnet Schools & Magnet Programs are high-quality and innovative educational programs that specialize in a particular theme and are open to all Seminole County students who meet the eligibility requirements.
- Transportation is provided to all students who live more than 2 miles from the school/program.
- Acceptance into a magnet school/magnet program for students applying for grade ten and above is contingent upon an administrative review of their transcripts.

	Academy of Engineering Lyman High School www.lyman.scps.k12.fl.us	Academy of Engineering magnet program prepares students to be innovative and productive leaders in science, technology, engineering, and mathematics (STEM). Students choose to explore an area of interest including aerospace engineering, digital electronics, civil engineering and architecture, and environmental sustainability.
	Academy of Health Careers Seminole High School www.seminolehs.scps.k12.fl.us	Academy of Health Careers magnet program prepares students for employment in health care through the opportunity to earn nationally recognized industry certifications and dual enrollment/Career Pathways credit. The rigorous academic coursework, authentic on-site lab facilities, off-site clinical experiences, and staff of licensed nurses and doctors make the Health Academy a unique opportunity to prepare for a career.
	Crooms Academy of Information Technology www.cait.scps.k12.fl.us	Crooms Academy magnet program is a National Academy Foundation (NAF) Distinguished Academy and a Magnet Schools of America School of Excellence offering more than 20 I.T. industry certifications. In addition, students have the opportunity to earn an Associate of Arts degree in Information Technology, at no cost to the family, while earning their high school diploma.
 	IB Diploma Programme Seminole High School www.seminolehs.scps.k12.fl.us	For highly motivated, college-bound students, the International Baccalaureate (IB) Diploma Programme at Seminole High School offers college-level coursework that provides a distinct competitive edge. The program emphasizes independent study, promotes in-depth understanding, and teaches students how to learn, analyze, and reflect on what they know. The IB Diploma Programme has earned a reputation for rigorous assessment, helping IB diploma holders access the world's leading universities and programs.
 	IB Diploma Programme Winter Springs High School www.winterspringshs.scps.k12.fl.us	The International Baccalaureate (IB) Diploma Programme is ideal for knowledgeable and caring young people who are motivated to grow as individuals through significant academic challenges. The IB Diploma Programme has earned a rigorous reputation and is integral in helping IB graduates access the world's leading colleges and universities. IB students are involved in everything from football, theatre, and leadership to cross country and band. With 40+ student organizations, 30+ sports, and 11+ certifications the sky's the limit at Winter Springs High School.



Students applying for the IB Program zoned for Lake Brantley, Lake Mary, Lyman, & Seminole High School may only apply for Seminole High School. Students applying for the IB Program zoned for Hagerty, Lake Howell, Oviedo, & Winter Springs High School may only apply for Winter Springs High School.

APPLY AT [WWW.SEMINOLESCHOOLCHOICESAPPLICATION.US](http://WWW.SEMINOLESCHOOLCHOICESAPPLICATION.US)

## AFTER SCHOOL COURSES

SCPS offers several after school Career and Technical Education (CTE) courses for high school credit. Students can attend an after school course at any of the participating high schools regardless of the high school they currently attend. **Transportation is not provided.** Courses meet from 3:30-5:30 on Tuesdays and Thursdays unless otherwise noted. **Please note that courses are subject to cancellation due to low enrollment or change in instructor availability.**

Program Name	Hosting School	Course Codes	Course Description
Applied Robotics	Lake Mary	Yr. 1- 9410110X Yr. 2- 9410120X Yr. 3- 9410130X Yr. 4- 9410140X	The students in this program will build and participate in the FIRST Robotics Competition (FRC) at UCF. This course requires some Saturday participation.
Automotive Maintenance and Light Repair	Oviedo	Yr. 1- 9504110X Yr. 2- 9504120X Yr. 3- 9504130X	This program provides students with the theory and practical knowledge of basic automotive systems and principles.
Aviation	Seminole	Yr. 1- 9540610X Yr. 2- 8715110X Yr. 3- 8715120X Yr. 4- 8715130X	This state-of-the-art program is designed to prepare students for pursuit of employment or advanced training in the commercial and general aviation industry.
Cosmetology	Lake Howell	8757210X (.5) 8905120X (.5)	Students will practice performing services of the hair, skin, and nails throughout this course
Electrical  *Mondays and Wednesdays 3:30-5:30	Lyman	Yr. 1- 8727210X Yr. 2- 8727220X Yr. 3- 8727230X	This program focuses on the fundamentals of electrical technology utilizing the same equipment, materials, tools, and techniques as industry professionals.
Heating, Ventilation, and Air Conditioning (HVAC)	Lyman	Yr. 1- 8713010X Yr. 2- 8713020X Yr. 3- 8713030X	This program focuses on the fundamentals of HVAC technology utilizing the same equipment, materials, tools, and techniques as industry professionals.
Technical Design	Lake Mary	Yr. 1- 8401010X Yr. 2- 8401020X Yr. 3- 8401030X Yr. 4- 8601900X	This program focuses on Engineering, Architecture, 3D Modeling & 3D Printing.

Scan our QR Code to view our detailed CTE After School Course Guide



## VIRTUAL SCHOOL



Virtual schools provide a high-quality education along with flexible options to meet the demanding schedule of the 21st century student. Seminole County Virtual School (SCVS) is a franchise of Florida Virtual School, and also uses courses created or purchased by SCVS.

Students may attend SCVS full-time or part-time. Full-time options allow students to earn a standard Florida high school diploma. Full-time enrollment in SCVS occurs during two windows which are published on the SCVS website. Part-time enrollment NEVER closes and students may enroll in classes throughout the school year. Virtual classes can be taken in multiple ways including: outside of the school day, during the school day at home, or at the student's school in a virtual lab (pending space availability). Additionally, the district may offer virtual course enrollment over the summer (SCVS 365).

### Why should students select a Seminole County Virtual School over other virtual providers?

- \*schedule flexibility
- \* full-time local teachers
- \*no waiting list to start classes
- \*optional face-to-face sessions
- \*tax dollars stay in Seminole County

For more information, please visit [www.scvs.us](http://www.scvs.us) or call 407-871-7287.

### What high school courses are available through Seminole County Virtual School?

Courses with a \* are available at both Standard and Honors level; H = honors class

- Math:** Algebra I\*, Geometry\*, Algebra II\*, Pre-Calculus (H), Calculus (H), Math for College Readiness, AP Calculus AB, AP Calculus BC, AP Statistics, MJ Math Suite, Math for Data and Financial Literacy, Probability and Statistics with Applications Honors
- Language Arts:** English I\*, English II\*, English III\*, English IV\*, English IV College Prep, AP English Language, AP English Literature, Journalism,
- Social Studies:** World History\*, AP World History, U.S. History\*, AP U.S. History, Economics\*, AP Macroeconomics, AP Microeconomics, U.S. Government\*, AP U.S. Government, AP Human Geography, AP Psychology, Anthropology, Sociology, Personal Financial Literacy
- Sciences:** Biology I\*, AP Biology, Earth Space Science\*, Chemistry\*, Physics\*, Marine Science\*, Physical Science\*, Anatomy & Physiology\*, Forensic Science, Environmental Science
- World Languages:** French I, II & III\*, AP French Language, Spanish I, II & III\* IV\*, AP Spanish Language, American Sign Language I, II, III\*, IV\*
- Electives:** Many options, including Personal Fitness/Fitness Lifestyle Design, Art, Guitar, AP Art History, Drivers Ed, Hospitality & Tourism, and much more! See website for a complete list.



Seminole County Virtual School (SCVS) has its very own program of emphasis, Hospitality and Tourism. This program is designed for students who are considering a career in Hospitality and Tourism; including food and beverage, lodging, event planning, travel and tourism, entrepreneurship, etc.

Our program consists of four courses, industry certifications, work-based learning opportunities (including job shadowing, career fairs, etc), engaging worksite tours, conferences, competitions, and culminating in an internship in the field of Hospitality and Tourism.

SCVS is the first virtual National Academy Foundation (NAF) Academy and our goal is to create opportunities for students so that they work closely with well-renowned business partners and community members via events like guest speakers, worksite tours, career fairs, job shadows and end their course suite with an internship. This program offers students beneficial experiences so that they succeed in this dynamic and high-growth industry right out of high school!

For the 2022-23 school year, SCPS will provide a full-time virtual instruction option to students in grades K-12 through Seminole County Virtual School. Enrollment will be open from April 4 to July 29, 2022. For more information, please see your certified school counselor or visit <http://virtualschool.scps.k12.fl.us>

Students must be promoted to the ninth grade to be eligible for sports in the fall. All students must have a cumulative 2.0 grade point average to stay eligible for sports.

## THE SPORTS TEAMS THAT ARE AVAILABLE AT LYMAN INCLUDE:

ALL YEAR	WINTER	SPRING
Cheerleader (Boys & Girls)	Basketball (Boys & Girls)	Baseball
	Soccer (Boys & Girls)	Fast Pitch Softball
<b>FALL</b>	Weightlifting (Girls)	Lacrosse (Boys & Girls)
Bowling (Boys & Girls)	Wrestling (Boys & Girls)	Tennis (Boys & Girls)
Cross Country (Boys & Girls)	Competitive Cheer (Boys & Girls)	Track and Field (Boys & Girls)
Football		Volleyball (Boys)
Golf (Boys & Girls)		Water Polo (Boys & Girls)
Slow Pitch Softball		Weightlifting (Boys)
Swimming (Boys & Girls)		
Volleyball (Girls)		

All athletes must have a physical examination by a physician, consent and release forms, and submit their birth certificate before he/she can begin practicing with a team. Students must get their physical exam prior to team tryouts. For more information please visit the Lyman website.

## NCAA- COLLEGE SPORTS

In order to be eligible to practice and participate in intercollegiate athletic competition and receive an athletic scholarship the first year of attendance, a freshman student entering an NCAA Division I or II institution must successfully complete a course of study and must achieve a minimum grade point average in the core curriculum, as well as present a minimum score on the ACT or SAT. Questions concerning these NCAA academic requirements may be directed to the NCAA. More information is available on the NCAA website: [www.ncaa.org](http://www.ncaa.org).

## CORE COURSES

- NCAA Division I and II requires 16 core courses.
- A student must graduate from high school and achieve a minimum 2.3 grade point average in the core curriculum course work (on a 4.0 scale) for Division 1 and a 2.0 grade point average for Division 2
- The core courses include: 4 years English, 3 years Math (Algebra or higher), 2 years Natural/Physical Science, 1 year additional English, Math, or Natural/Physical Science, 2 years Social Science, 4 years additional courses (can be listed previously, foreign language, or comparative philosophy).
- Courses taken in PLATO as well as Liberal Arts Mathematics DO NOT COUNT toward the 16 core courses as determined by the NCAA.

## TEST SCORES

- Division I uses a sliding scale to match test scores and core grade point averages. The sliding scale for those requirements can be viewed here: [http://fs.ncaa.org/Docs/eligibility\\_center/Important\\_New\\_Rules/2016\\_DI\\_Academic\\_Requirements.pdf](http://fs.ncaa.org/Docs/eligibility_center/Important_New_Rules/2016_DI_Academic_Requirements.pdf)
- Division II requires a minimum SAT score of 820 or an ACT sum score of 68.
- The SAT score used for NCAA purposes includes only the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a sum of the following four sections: English, mathematics, reading, and science.
- When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.



## SEMINOLE COUNTY PUBLIC SCHOOLS EDUCATIONAL EQUITY- NOTICE OF NONDISCRIMINATION

The Educational Equity Administrator for Seminole County Public Schools has the responsibility of assuring compliance with the educational equity requirements by providing technical expertise, monitoring activities or programs related to compliance, and responding to equity complaints. One of the responsibilities is to administer the Educational Equity Complaint/Grievance Procedures as adopted by the School Board.

It is the policy of the School Board of Seminole County, Florida, that no employee, student, or applicant shall - on the basis of race, color, national origin, sex, disability, marital status, age, religion, or any other basis prohibited by law - be excluded from participating in, be denied the benefits of, or be subjected to discrimination and harassment under any educational programs, activities, or in any employment conditions, policies, or practices conducted by the District. Additionally, the School board of Seminole County provides equal access to public school facilities for the Boy Scouts of America and other designated youth groups as required by 34 C.F.R. 108.9.

Every employee, student, or applicant for employment at Seminole County Public Schools has a solemn right to be treated fairly, equally, equitably, and with dignity. If for any reason you - the employee, student, or applicant for employment - find that you have been victimized by acts of discrimination and or harassment, whether intentional or unintentional, you are strongly encouraged to file an Educational Equity Complaint or Grievance with the Educational Equity Administrator, or any county or school-level administrator. All such complaints must be immediately forwarded to the Educational Equity Administrator for dissemination, action, and resolution. Forward to: SCPS Educational Equity Administrator, Seminole County Public Schools, Educational Support Center, 400 E. Lake Mary Blvd., Sanford, FL 32773-7127. (407) 320-0000.



2022-2023 Curriculum Guide

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