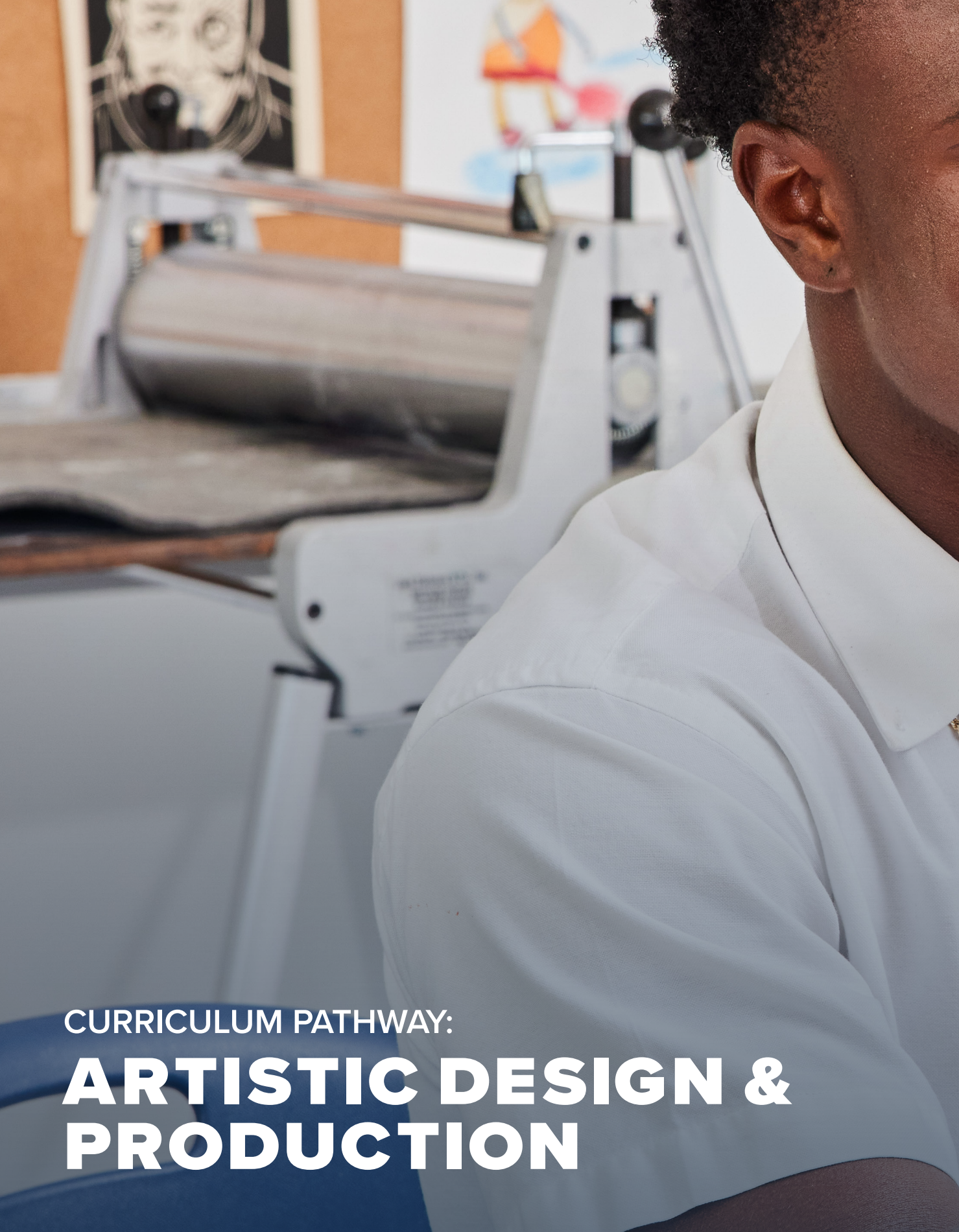


CURRICULUM PATHWAY:

ARTISTIC DESIGN & PRODUCTION





ARTISTIC DESIGN & PRODUCTION

Gifted students who are drawn to the arts can explore classes that delve into fine arts, music performance & production, dramatic performance & production, film production, commercial design, and gaming/animation. Students can choose this pathway as early as their sophomore year.

COURSES:

10th

- Drawing 1 or Drawing 2
- Introduction to Band
- Honors Concert Band 1
- Rock Ensemble 1
- Drama 1
- Introduction to Art History & Criticism
- Honors Art History
- Film Production 1

11th & 12th

- Digital Art
- Hon. Digital Art 2
- Hon. Painting
- Hon. Printmaking 1, 2
- AP Art History
- AP Art Drawing Portfolio
- AP Studio Art 2D
- AP Studio Art 3D
- Hon. Rock Ensemble 2
- Hon. Concert Band 2,3,4,5
- Music Tech. Sound Engineering
- Hon. Drama 2, 3
- Hon. Film History
- Film Production 1
- Hon. Film Production 2, 3
- Hon. Screen & Playwriting
- Visual Computer Modeling
- Graphics Animation & Special Effects
- Introduction to eSports & Game Design
- Hon. Game Design & Development

Sebastian Marin ’24 during his time as the lead saxophonist in Columbus’ award-winning Honors Concert Band.



ENRICHMENT	Jazz Ensemble, Drama Club, Film Club, Digital Art & Cartoon Club
RECOGNITION	Art Honor Society, Thespians Honor Society, Tri-M Music Honor Society, WorldStrides Music Festival, Music USA Festival



CURRICULUM PATHWAY:

BIOMEDICAL SCIENCE


STEM



BIOMEDICAL SCIENCES

Students interested in pursuing a career in STEM related fields of medicine and health sciences will have access to state-of-the-art classrooms and equipment. Concentration in this pathway begins as early as freshman year for those young men interested in pursing a career in medicine and health sciences.

COURSES:

9th & 10th

- Hon. Biology, Biology
- Hon. Chemistry, Chemistry
- Hon. Human Anatomy & Physiology or Human Anatomy and Physiology

11th & 12th

- AP Biology*
- AP Chemistry*
- Principles of Biomedical Sciences*
- Hon. Medical Interventions EMT
- Physics
- Hon. Physics
- AP Physics 1
- AP Physics C: Mechanics, Electricity & Magnetism
- Hon. Organic Chemistry
- Hon. Forensic Chemistry

Joshua Fernandez ’25 during his medical externship with Dr. Robert Puig ’84



ENRICHMENT	Pre-Med Club, Environmental Club, Project Blood Sugar
RECOGNITION	Science Honor Society, PLTW Certification*, STEM Innovators, Anatomage Competition, The Fairchild Challenge



CURRICULUM PATHWAY:

MEDIA & COMMUNICATIONS





MEDIA & COMMUNICATIONS

For students interested in the media and communications field, this pathway provides plenty of hands-on learning and access to top notch facilities. Journalism, broadcasting, writing, and TV production are just some of the areas that are explored. The cornerstone of our news and journalism program is our Emmy and national award winning Christopher Columbus News Network (CCNN).

COURSES:

10th

- Honors Journalism and Public Speaking
- Film Production 1

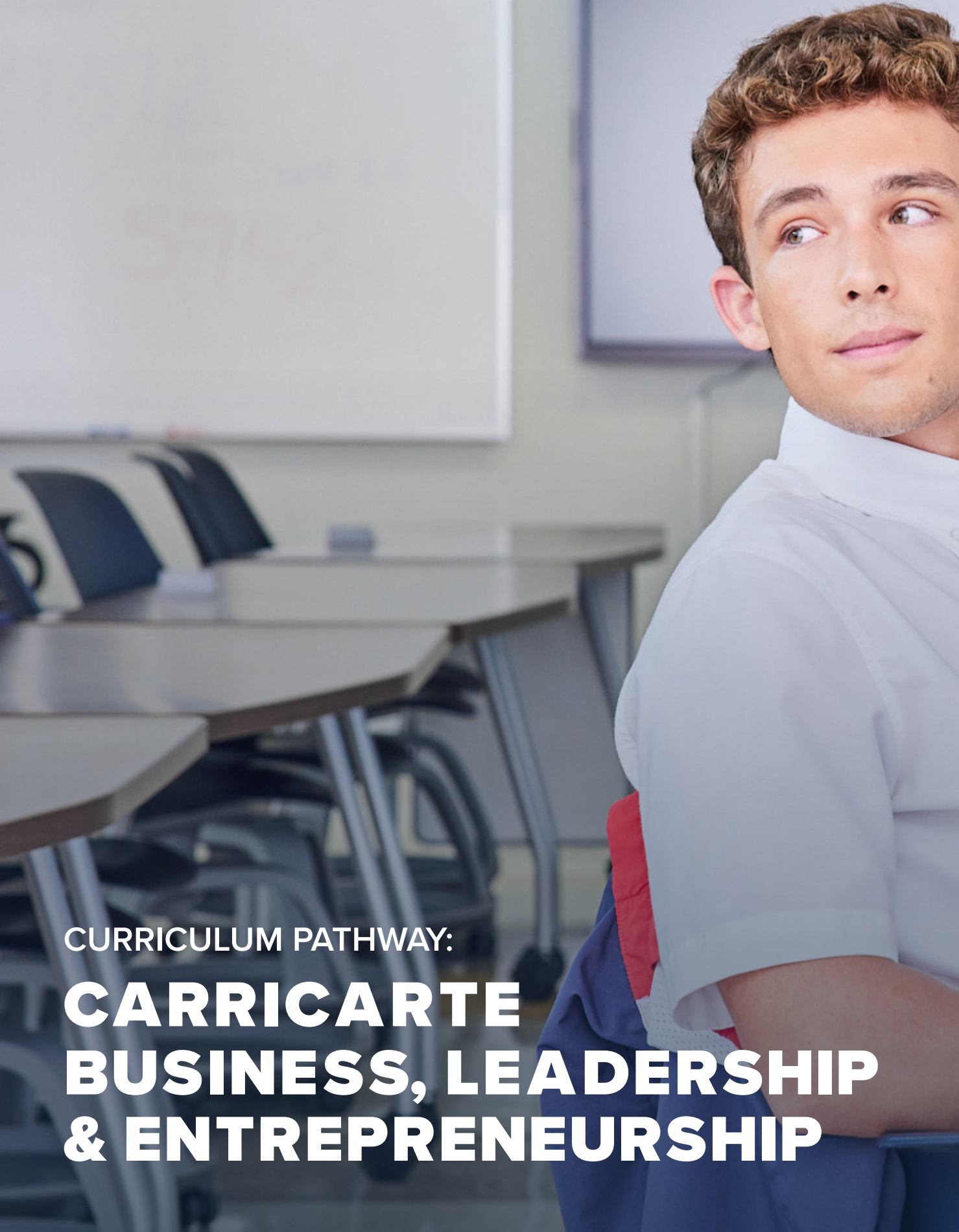
11th & 12th

- Hon. Screen & Playwriting
- Hon. Journalism 2
- Hon. Journalism 3
- Hon. CCNN TV Lab Assistant
- Film Production 1
- Hon. Film Production 2, 3
- Digital Video Editing
- Graphic Design and Animation
- Hon. Writing Through Media
- Hon. Social Media or Social Media
- Hon. Digital Media Production or Digital Media Production
- Yearbook 1
- Hon. Yearbook 2, 3

The Columbus Films team won four 2024 Regional Student Production Awards from the National Academy of Television Arts & Sciences



ENRICHMENT	CCNN Live, Columbus Films, Adelante Yearbook, The Log
RECOGNITION	Quill & Scroll Honor Society, Student Television Network Honor Society, STN/FSPA/NATAS Regional and National Competition, All American High School Film Festival



CURRICULUM PATHWAY:

CARRICARTE BUSINESS, LEADERSHIP & ENTREPRENEURSHIP





CARRICARTE BUSINESS, LEADERSHIP & ENTREPRENEURSHIP

With the support of the Carricarte Family, Columbus is able to offer a rich business and entrepreneurship program with a variety of courses, clubs, competitions, field trips and guest speakers focused on Entrepreneurship, Business, Marketing, Finance, and Management.

COURSES:

10th

- Approaches to Leadership
- Business & Marketing

11th & 12th

- AP Microeconomics, Honors Microeconomics, or Microeconomics
- AP Macroeconomics
- AP Statistics or Hon. Statistics
- Honors Principles of Entrepreneurship
- Hon. Leadership Techniques
- Business Law
- Accounting 1, 2
- Hon. Personal and Family Finance or Personal and Family Finance
- Marketing & Business Principles
- Sports Management
- Hon. Contemporary Issues in Sports Management
- Hon. International Business
- Introduction to eSports & Game Design
- Spanish for Business & Marketing

Students during their summer externship with Jose Mas '89, CEO of MasTec Inc.



ENRICHMENT	Future Business Leaders of America (FBLA), Future Realtors of America, Entrepreneurship Club, Investments Club, Blockchain Club
RECOGNITION	Business Honor Society, FBLA & NFTE Business Pitch Competitions



CURRICULUM PATHWAY:

COMPUTER SCIENCE





COMPUTER SCIENCE

At Columbus, students have the opportunity to explore courses in the STEM-related field of Computer Science. Beginning as early as their sophomore and junior years, students are exposed to the richness of coding, robotics, and game design.

COURSES:

10th

- Computer Science Essentials
- Honors Computer Science Essentials

11th & 12th

- Honors Robotics
- AP Computer Science Principles
- Honors Computer Science
- AP Computer Science A
- Computer Applications
- Honors Computer Applications
- Honors Game Design & Development



Columbus Cybersecurity Club at the FIU Hack the Flag event.

ENRICHMENT	Coding Club, Cybersecurity Club, STEM Club, Azor eSports Complex
RECOGNITION	Vanta High School eSports League



CURRICULUM PATHWAY:

ENGINEERING





ENGINEERING

Students interested in engineering and environmental science can begin as early as their freshman year by studying biology, chemistry, and even engineering design. They can enrich their education by joining engineering-related clubs, such as Aeronautics, Robotics, and the Pre-Engineering Club.

COURSES:

9th & 10th

- Biology
- Chemistry
- Introduction to Engineering Design

11th & 12th

- AP Biology
- AP Chemistry
- AP Environmental Science
- Honors Environmental Science
- Environmental Science
- AP Physics C: Mechanics, Electricity & Magnetism
- AP Physics 1
- AP Physics 2
- Honors Physics
- Physics
- AP Statistics or Honors Statistics
- AP Precalculus
- Honors Precalculus
- Precalculus
- AP Calculus AB/BC
- Honors Calculus
- Calculus
- Honors Principles of Engineering
- Engineering Design
- Architectural Design



Columbus Robotics Team during competition at the VEX Robotics World Championship.

ENRICHMENT	Aeronautics Club, Environmental Club, Pre-Engineering Club, Robotics Club, STEM Club
RECOGNITION	Conrad Challenge, Vex Robotics World Competition, National STEM Honor Society, International Robotics Honor Society, Science Honor Society, Mu Alpha Theta (Math Honor Society)



CURRICULUM PATHWAY:

LAW & CIVIC ENGAGEMENT


COLU



LAW & CIVIC ENGAGEMENT

One of the marks of a Marist student is to be an “Agent of Justice and Service.” Our Law and Civic Engagement pathway is an area where, as Marist educators, we help students grow in their understanding of Catholic social teaching and stand in compassionate solidarity with the world.

COURSES:

9th & 10th

- Debate 1
- AP European History
- Honors Contemporary History or Contemporary History
- Honors Civil and Criminal Law or Civil and Criminal Law

11th & 12th

- AP U.S. Government
- AP Comparative Government
- AP Human Geography
- Honors History of the Middle East
- History of the Middle East
- Honors Holocaust & Civil Rights
- Holocaust & Civil Rights Movement
- Social Justice
- Honors Criminal Justice
- Honors Criminology
- Honors Introduction to Evidence & Trial Advocacy
- Business Law
- International Law
- Honors Debate 2

Columbus Debate Team members competing at the Florida Forensic League Varsity State Championship.



ENRICHMENT	Close Up, Debate Team/Club, Foundational Skills, Pre-Law Club, American Voters Club, Current Politics Club, Patriot Club, Mock Trial Team
RECOGNITION	Rho Kappa Honor Society, Florida Law Honor Society



COURSE OFFERINGS



Graduation Requirement: 28.5 Credits: 5 English, 4 Mathematics, 3 Social Studies, 4 Theology, 3 Science (2 Laboratory Science), 2 World Languages, 1 Personal Fitness/Physical Education, .5 in each of the following: Visual & Performing Arts, Personal & Family Finance, Critical Thinking & Study Skills), 5 credits in electives

COURSE OFFERINGS	ENGLISH, MEDIA & COMMUNICATIONS	MATH	SCIENCE	SOCIAL STUDIES
FRESHMAN YEAR	***7 CREDITS***			
Students select one credit course in each subject area group	• Honors English 9 • English 9 Accelerated • English 9 College Prep	• Honors Algebra 2 • Algebra 2 Accelerated • Honors Algebra 1 & 2 • Honors Algebra 1 • Algebra 1 Accelerated • Algebra 1 College Prep	• Honors Biology • Biology Accelerated • Biology College Prep	• AP World History • Honors World History • World History Accelerated • World History College Prep
Required course for all freshmen	• Honors Communication Methodology • Communication Mehodology			
SOPHOMORE YEAR	***7 CREDITS***			
Students select one credit course in each subject area group, including the half credit in PE	• Honors English 10 • English 10 Accelerated • English 10 College Prep	• Honors Geometry & Trigonometry • Honors Geometry • Geometry Accelerated • Geometry College Prep	• Honors Chemistry • Chemistry • Chemistry College Prep	
Students select one credit course from any of these options	• AP Seminar (Mas Scholar Requirement) • Honors Journalism & Public Speaking • Yearbook 1 • Journalism & Public Speaking* (Combined with Mathematics Foundational Principles)	• Mathematics Foundational Principles* (Combined Journalism & Public Speaking)	• Honors Human Anatomy & Physiology • Human Anatomy & Physiology	• AP European History (DE) • Hon. Contemporary History • Contemporary History • Criminal Law • Hon. Vision Pursuits: An American Tradition • Vision & Pursuits An American Tradition
Students select one credit course from any of these options	• Debate 1* • Drama 1*			
JUNIOR YEAR	***7 CREDITS***			
Students select one credit course in each subject area group and half credit in PE *Students in junior year select up to one and a half credit courses from elective options.*	• AP English Composition • Honors English 11 (DE) • English 11 Accelerated • English 11 College Prep	• AP Calculus AB • AP Precalculus • Honors Precalculus (DE) • Precalculus Accelerated • Honors Algebra 2 & Trigonomentry • Algebra 2 Accelerated • Algebra 2	• AP Physics 1 • Honors Physics • Physics • AP Biology • AP Chemistry • AP Enviromental Science • Hon. Enviromental Science • Enviromental Science • Honors Human Anatomy & Physiology • Human Anatomy & Physiology	• AP U.S. History (DE) • Honors U.S. History • U.S. History
SENIOR YEAR	***7 CREDITS***			
Students select one credit course in each subject area group, including the half credit in Computer Applications *Students in senior year select up to two credit courses from elective options.*	• AP English Literature • Honors English 12 • English 12 Accelerated • English 12 College Prep	• AP Calculus BC • AP Calculus AB • Honors Calculus • Calculus Accelerated • AP Statistics • Honor Statistics • Honors Precalculus (DE) • Precalculus Accelerated • College Algebra		• AP Microeconomics* • Honors Microeconomics* • Microeconomics* • AP U.S. Government* • Honors U.S. Government* • U.S. Government*

PLTW Project Lead the Way Course **DE** Dual Enrollment Course * Half Credit Course

THEOLOGY	WORLD LANGUAGES	VISUAL & PERFORMING ARTS, PHYSICAL EDUCATION	COMPUTER SCIENCE & ENGINEERING	BUSINESS & ENTREPRENEURSHIP
• Introduction to Catholicism • Honors Jewish History The Hebrew Scriptures • Jewish History The Hebrew Scriptures	• Spanish 1 or 2 • Spanish S1, S2 or Honors S3 • French 1 or 2			
• Honors Christology* • Honors Eccleslology* • Christology* • Eccleslology*	• Spanish 2 or Honors 3 • Spanish S2 or Honors S3 • AP Spanish Language (DE) • French 2 or Honors 3	• Personal Fitness*		
		• Intro. to Art History and Criticism • AP Art History • Honors Art History • Film Production 1	• Honors Computer Science Essentials • Computer Science Essentials • Introduction to Engineering Design	• Approaches to Leadership* • Marketing & Business Principles*
		• Drawing 1*, 2* • Introduction to Band* • Hon. Concert Band 1* • Rock Ensemble 1* • Guitar Band*		
• Honors Global Studies & the Sacraments* • Honors Ethics Life in Christ* • Global Studies & the Sacraments* • Ethics Life in Christ*		• Team Sports 1*, 2* • Beginning Weight Training • Care & Prevention of Athletic Injuries		**SCAN HERE FOR FULL LISTING OF JUNIOR & SENIOR ELECTIVE COURSES**
• Honors Social Justice* • Social Justice* • Honors World Religions* • World Religions*				• Honors Personal & Family Finance* • Finance* • Personal & Family Finance*