



**William Henry Harrison
High School**

PATHWAYS



2024-2025

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Academic and Social Growth for ALL students EVERY DAY.

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Harrison High School PATHWAYS

High school should be about more than just earning a diploma – it should include opportunities for student learning through experiences and for a discovery of talents and interests that will spark a passion for success in future endeavors. To prepare for the future, students should consider various **Pathways** to develop the necessary skills and specialized knowledge to help them excel in whatever path they choose to follow after high school.

WHY HARRISON HIGH SCHOOL?

- 19 Advanced Placement courses offered in all four core subject areas as well as computer science, art, and music
- 3 College Credit Plus (CCP) courses
- 65+ Extracurricular activities offered in academics, athletics, drama, music, and other special interest groups
- 10+ career-focused programs at Harrison High School:
 - Engineering
 - Bio-Medical Science
 - School of Business
 - Information Technology
 - Law & Public Safety
 - Advanced Manufacturing/Industry 4.0
 - Leadership
 - Entrepreneurship
 - JROTC
 - Hospitality/Tourism
 - Various programs at a Great Oaks campus

For more information, please contact our Harrison High School Guidance Counseling Team at (513) 367-4169 or by email:

- **Jenny Barker**, counselor for students with last names A-G: jenny.barker@southwestschools.org
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THE 4 E'S

The goal of Pathways is to align student interests with specialized knowledge and skill development with specific coursework and learning experiences so that every student in Southwest Local Schools is **Enrolled**, **Enlisted**, **Employed**, or an **Entrepreneur** upon graduation.

Enrollment

4 years of college prep or advanced courses at Harrison High School

-OR-

2 years of college prep or advanced courses at Harrison High School & 2 years of career technical education at Great Oaks.

Takeaways:

- Harrison High School Diploma
- Industry-Recognized Credentials
- College Credit offered in several academic courses
- Multiple Graduation Seals possible

Recommended Assessments:

- PSAT (10th/11th grade)
- ACT/SAT (10th-12th grade)

Employment

4 years at Harrison High School with industry-focused courses

-OR-

2 years at Harrison High School & 2 years of career technical education at Great Oaks.

Takeaways:

- Pre-Apprenticeship
- Harrison High School Diploma
- Industry-Recognized Credentials
- Career Readiness
- Ohio Means Jobs Graduation Seal
- Industry Recognized Credential Graduation Seal

Recommended Assessments:

- WorkKeys Assessments
- Credential Specific Assessments

Enlistment

4 years at Harrison High School (college prep not necessary, but recommended)

-OR-

2 years at Harrison High School & 2 years of career technical education at Great Oaks.

Takeaways:

- Harrison High School Diploma
- Military Readiness
- Industry-Recognized Credentials
- Military Enlistment Graduation Seal

Recommended Assessments:

- ASVAB (11th/12th grade)

Entrepreneurship

4 years at Harrison High School with Business and Entrepreneurship courses

-OR-

2 Years of Business and Entrepreneurship courses at Harrison High School & 2 years of career technical education at Great Oaks

Takeaways:

- Pre-Apprenticeship
- Harrison High School Diploma
- Industry-Recognized Credentials
- Career Readiness
- Ohio Means Jobs Graduation Seal
- Industry Recognized Credential Graduation Seal
- College Credit offered in several academic courses

Recommended Assessments:

- PSAT (10th/11th grade)
- ACT/SAT (10th-12th grade)
- Credential Specific Assessments



Enrollment Pathway

COURSE SCHEDULE

The following course schedule is recommended for students wishing to follow the **Enrollment Pathway** at Harrison High School in order to prepare for college after graduation.



	9th	10th	11th	12th	Recommended Electives
English	English 9 ADV English 9 CP	English 10 ADV English 10 CP	AP Language & Composition AP Seminar English 11 CP	AP Literature & Composition AP Research English 12 CP CCP College Writing	CCP Speech ACT/SAT Prep See AP Pathway for specific options
Math	Algebra 2 ADV Geometry ADV Algebra 1 CP	Precalculus ADV Algebra 2 ADV Geometry CP	Precalculus ADV Precalculus Algebra 2 CP CCP Statistics	Calculus Precalculus CCP Statistics	See AP Pathway for specific options
Science	Biology ADV Biology CP	Chemistry	Physics Geology <i>Elective(s) see page 8</i>	<i>Elective(s) see page 8</i>	See AP Pathway for specific options
Social Studies	World History CP AP Human Geography AP World History	US History ADV US History CP AP US History	Government ADV Government CP AP Government AP Psychology <i>Elective(s) see page 8</i>		See AP Pathway for specific options
Electives	7 credits required • 1 credit fine art • 1/2 credit health • 1/2 credit PE	*2 credits foreign language recommended			See AP Pathway for specific options

AP = Advanced Placement Curriculum (College Board National Curriculum, College Credit Available Through National Testing)
 ADV = Advanced-level Pre-AP Curriculum
 CP = College Preparatory Curriculum
 CCP = College Credit Plus



Enlistment Pathway

COURSE SCHEDULE

The following course schedule is recommended for students wishing to follow the **Enlistment Pathway** at Harrison High School in order to prepare for military enlistment and a career after graduation, and possibly college as well.



	9th	10th	11th	12th	Recommended Electives
English	English 9 CP English 9	English 10 CP English 10	English 11 CP English 11	English 12 CP English 12	See AP Pathway for specific options
Math	Geometry ADV Algebra 1 CP Algebra 1A	Algebra 2 ADV Geometry CP Algebra 1B	Precalculus ADV Algebra 2 CP Geometry Math Modeling & Reasoning	<i>Elective(s) see pg. 8</i> Math Modeling & Reasoning	CCP Statistics Precalculus Calculus See AP Pathway for specific options
Science	Biology CP Biology	Physical Science CP Physical Science	Geology <i>Elective(s) see pg. 8</i>	<i>Elective(s) see pg. 8</i>	Forensic Science See AP Pathway for specific options
Social Studies	World History CP	US History ADV US History CP	Government ADV Government CP	<i>Elective(s) see pg. 8</i>	WWII Global Conflicts Contemporary World Issues See AP Pathway for specific options
Electives	7 credits required *2 credits foreign language recommended				Electives geared toward career pathway See AP Pathway for specific options
	<ul style="list-style-type: none"> • 1 credit fine art • 1/2 credit health • 1/2 credit PE 				

AP = Advanced Placement Curriculum (College Board National Curriculum, College Credit Available Through National Testing)

ADV = Advanced-level Pre-AP Curriculum

CP = College Preparatory Curriculum



Employment Pathway

COURSE SCHEDULE

The following course schedule is recommended for students wishing to follow the **Employment Pathway** at Harrison High School in order to prepare for a career after graduation, and possibly college as well.



	9th	10th	11th	12th	Recommended Electives
English	English 9 CP English 9	English 10 CP English 10	English 11 CP English 11	English 12 CP English 12	Speech See AP Pathway for specific options
Math	Algebra 1 CP Algebra 1A	Geometry CP Algebra 1B	Algebra 2 CP Geometry Math Modeling & Reasoning	Math Applications Math Modeling & Reasoning <i>Elective(s) see pg. 8</i>	Financial Literacy See AP Pathway for specific options
Science	Biology CP Biology	Chemistry Physical Science	Geology <i>Elective(s) see pg. 8</i>	<i>Elective(s) see pg. 8</i>	See AP Pathway for specific options
Social Studies	World History CP	US History CP	Government CP	<i>Elective(s) see pg. 8</i>	See AP Pathway for specific options
Electives	7 credits required *2 credits foreign language recommended <ul style="list-style-type: none"> • 1 credit fine art • 1/2 credit health • 1/2 credit PE 				Electives geared toward career pathway See AP Pathway for specific options

AP = Advanced Placement Curriculum (College Board National Curriculum, College Credit Available Through National Testing)

ADV = Advanced-level Pre-AP Curriculum

CP = College Preparatory Curriculum



Entrepreneurship Pathway

COURSE SCHEDULE

The following course schedule is recommended for students wishing to follow the **Entrepreneurship Pathway** at Harrison High School in order to prepare to run their own business after graduation.



	9th	10th	11th	12th	Recommended Electives
English	English 9 ADV English 9 CP	English 10 ADV English 10 CP	AP Language & Composition AP Seminar English 11 CP	AP Literature & Composition AP Research English 12 CP CCP College Writing	See AP Pathway (pg. 7) See Business (pg. 13) See Entrepreneurship (pg. 14)
Math	Algebra 2 ADV Geometry ADV Algebra 1 CP	Precalculus ADV Algebra 2 ADV Geometry CP	Precalculus ADV Precalculus Algebra 2 CP CCP Statistics	Calculus Precalculus CCP Statistics	
Science	Biology ADV Biology CP	Chemistry	Physics Geology <i>Elective(s) see pg. 8</i>	<i>Elective(s) see pg. 8</i>	
Social Studies	World History CP AP Human Geography AP World History	US History ADV US History CP AP US History	Government ADV Government CP AP Government AP Psychology Social Studies Elective		
Electives	7 credits required <ul style="list-style-type: none"> • 1 credit fine art • 1/2 credit health • 1/2 credit PE 	*2 credits foreign language recommended			

AP = Advanced Placement Curriculum (College Board National Curriculum, College Credit Available Through National Testing)
 ADV = Advanced-level Pre-AP Curriculum
 CP = College Preparatory Curriculum
 CCP = College Credit Plus



Advanced Placement (AP) COURSE SCHEDULE

The following course schedule is recommended for students wishing to take **Advanced Placement (AP) courses** at Harrison High School in order to prepare for college after graduation. The chart below represents the available time frame to enroll in various AP Courses.

	9th	10th	11th	12th
Computer Science & IT	Prerequisite: B average or better in CP/ADV Algebra II & Geometry		AP Computer Science Principles AP Computer Science A	
English	English 9 ADV	English 10 ADV AP Seminar*	AP English Language AP Seminar AP Research*	AP English Language AP English Literature AP Seminar AP Research
Fine Arts	Prerequisite: B average or better in CP/ADV English	AP Art History AP Music Theory		
Math	Geometry ADV	Algebra II ADV Pre-Calculus ADV	Pre-Calculus ADV AP Calculus AB	AP Calculus AB AP Calculus BC
Science	Biology ADV	Chemistry AP Physics 1 AP Physics 2	AP Biology AP Chemistry AP Environmental Science	AP Physics 1 AP Physics 2 AP Physics C: Mechanics**
Social Studies	AP World History AP Human Geography	American History ADV AP US History AP Human Geography	AP American Government*** AP Psychology AP US History AP Human Geography	

AP = Advanced Placement Curriculum (College Board National Curriculum, College Credit Available Through National Testing)

ADV = Advanced-level Pre-AP Curriculum

CP = College Preparatory Curriculum

* Select freshmen may be invited to enroll in the AP Capstone program in 10th grade based on 9th grade MAP scores & writing samples

** AP Physics C requires Calculus or co-enrollment

*** AP Government does NOT fulfill financial literacy requirement

ELECTIVE COURSES

English

ACT/SAT Prep
CCP College Writing*
Contemporary Literature
Creative Writing
Creative Writing Adv
Journalism
Mythology
Speech (CCP option)*

Math

Statistics (CCP option)*
Research Statistics

Science

Astronomy
Forensic Science
Anatomy & Physiology
Marine Science and Geology

Social Studies

Sociology
Cincinnati History
Contemporary World Issues
Global Conflicts
World War II
Ancient World Religions

Fine Arts

Beginning Art
Intermediate Art 2
Advanced Art-Portfolio Prep (11/12)
Drawing & Painting
Ceramics I
Ceramics Adv
Digital Photography I
Digital Photography II
Three Dimensional Art

Culinary

Chef Basics
Creative Cuisine

Foreign Language

**must be taken sequentially

Spanish 1
Spanish 2
Spanish 3
Spanish 4
Spanish 5

Music

Band
Wildcat Choir
Treble Choir
A Cappella
Percussion Ensemble
Fundamentals of Music Theory
Songwriting

Physical Education

Health
Physical Education I
Physical Education II
Strength Training
Team Sports
Student Athletic Trainer

Media & Digital Graphics

Yearbook
Yearbook 2
TV Productions
Graphic Design 1
Graphic Design 2

* College Credit Plus (CCP) course

Advanced Manufacturing & Industry 4.0

see page 11 for courses

Computer Science & IT

See page 11 for courses

Biomedical Science

See page 12 for courses

Engineering

See page 12 for courses

Business

See page 13 for courses

Business & Hospitality

See page 13 for courses

Leadership

See page 14 for courses

Entrepreneurship

See page 14 for courses

Law & Public Safety

See page 15 for courses

Junior Reserve Officer Training Corps (JROTC)

See page 15 for courses

Other

Pre-Apprenticeship/Internship/Work-Based Learning



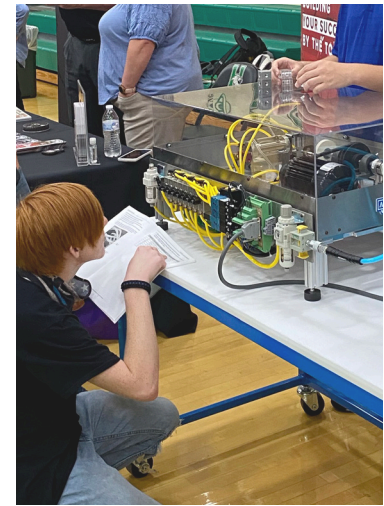


Harrison High School CAREER PATHWAYS PROGRAMS



Advanced Manufacturing & Industry 4.0

The Industry 4.0 Academy will utilize the Ignite Mastering Manufacturing Program. Ignite is a foundational skill development program designed to stimulate student interest in today's Advanced Manufacturing / Industry 4.0 careers. This pathway program couples well with IT and Engineering for students who wish to expand their career opportunities. Students are strongly encouraged to also take the "Leadership/Entrepreneurship" Career courses/pathway.



Course Scheduling

- Year 1: Course 1: Introduction to Advanced Manufacturing, Course 2: Introduction to Smart Automation Systems
- Year 2: Course 3: Mechatronic Systems, Course 4: Digital Manufacturing Systems
- Year 3: Course 5: Advanced Materials and Design (Capstone), Course 6: Industrial Internet of Things (IIoT), Data Analytics & Networking
- Year 4: Students' choice: Industry Recognized credential focus at WHHHS, College Credit Plus placement off-campus, and/or Industry placement with Internship or Pre-Apprenticeship

Industry-Recognized Credentials

- Smart Automation Certification Alliance (SACA)
- Manufacturing Skill Standards Council (MSSC)
- Certified Production Technician + Skill Boss (CPT+Skill Boss) certification

Graduation Seals

- 12-point industry credential
- Ohio Means Jobs Readiness Seal (if also employed)

Contact:

steve.kucera@southwestschools.org

Scan for more information on the Ignite Program



Computer Science & IT

The Computer Science and Information Technology (IT) program will prepare students for in demand, high paying jobs in fields such as system administration, database administration, cybersecurity, artificial intelligence, software development, and web development.

Students will have the option to participate in the University of Cincinnati Early IT Program, giving them the opportunity to complete their entire freshman year as an IT major at UC while in high school.

This pathway program couples well with Advanced Manufacturing and Engineering for students who wish to expand their career opportunities. Students are strongly encouraged to also take the "Leadership/Entrepreneurship" Career courses/pathway.

Contact:

robert.clark@southwestschools.org

Scan for more information on the UC Early IT Program



Course Scheduling

- Computer Applications (9-12)
- Intro to Computer Science (9-12)
- Fundamentals of IT (9-12)
- Web Development (10-12)
- Computer Programming (10-12)
- System Administration (10-12)
- Computer Networking (10-12)
- Database Administration (10-12)
- AP CSA & AP CS Principles (11-12)

Graduation Seals

- 12-point industry credential
- Ohio Means Jobs Readiness Seal (if also employed)
- Technology

Industry-Recognized Credentials

- CompTIA A+
- CompTIA IT Fundamentals
- CompTIA Network +
- Microsoft Office Specialist

Biomedical Science

The rigorous and relevant four-course Project Lead the Way (PLTW) Biomedical Science sequence allows students to investigate the roles of biomedical professionals as they study the concepts of human medicine, physiology, genetics, microbiology, and public health. Students engage in activities such as investigating the death of a fictional person to learn content in the context of real-world cases. They examine the structures and interactions of human body systems and explore the prevention, diagnosis, and treatment of disease – all while working collaboratively to understand and design solutions to the most pressing health challenges of today and the future.



Course Scheduling

- Principles of Biomedical Science (9-12)
- Human Body Systems (10-12)
- Medical Interventions (11-12)
- Biomedical Innovations (Capstone) (11-12)

Courses must be taken in order listed above.

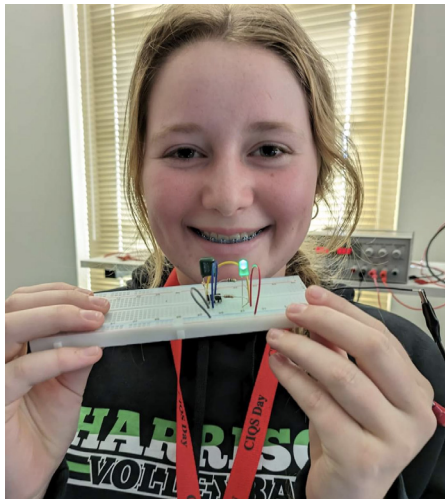
Course Opportunities

- All courses offer college credit opportunities.
- Students have the opportunity to participate in the HOSA Future Health Professionals organization leadership conferences and competitions.

Contact:

jennifer.abel@southwestschools.org

Scan for more information on the Biomedical Science Program



Engineering

Project Lead the Way (PLYW) is a nationally accredited engineering curriculum that prepares students with career readiness skills for the roles they want and the reality they will face in college and beyond. PLTW courses inspire a deeper learning with real-world experiences using the same tools and software used by professionals in engineering roles to equip students to succeed by practicing skills like collaboration, teamwork, documentation, and communication in the classroom. This pathway pairs well with IT, Advanced Manufacturing, or High School of Business and offers 3 co-curricular clubs including SkillsUSA, SWENext, and VEX Robotics.

Contact:

angela.elsasser@southwestschools.org

Scan for more information on the Engineering Program.



Course Scheduling

- Introduction to Engineering Design (9)
- Principles of Engineering (9-10)*
- Digital Electronics (10-12)
- Applied Engineering (10-12)**
- Aerospace Engineering (10-12)
- Engineering Design and Development (12)

* Offered as CCP

**Applied Engineering is Amatrol Ignite curriculum

Industry-Recognized Credentials

- Autodesk Fusion Certified User
- SACA C-102: Advanced Operations
- SACA C-255 Hydraulic Systems 1
- SACA C-211 Industry 4.0 Total Productive Maintenance Management

Business

Harrison's School of Business is a project-based, rigorous business program of study that helps prepare emerging leaders and entrepreneurs with courses focused on marketing, finance, hospitality, and management. Students have the opportunity to participate in local, state, national, and international business-related competitions (through DECA). Students who complete the Business program will have engaged in real-world projects, gained the skills needed to succeed in the business world and in life, and gained the confidence to excel in college.



Course Scheduling

- Business Foundations (9)
- Professional and Technical Sales (10)
- Fundamentals of Financial Services (11)
- Strategic Entrepreneurship (12)*

**C-Tag course- 3 semester hours at a state of Ohio college or university*

Industry-Recognized Credentials

- NRF Rise Up Retail Industry Fundamentals Credential
- NRF Rise Up Customer Service and Sales Credential

Graduation Seal

- DECA (Student Engagement) Seal

Contacts:

trevor.ward@southwestschools.org
dustin.dershem@southwestschools.org

Scan for more information on the DECA Program



Business & Hospitality

RISE Up (Retail Industry Skills and Education) program helps students gain the skills and confidence they need to land jobs in retail and launch their professional growth. Learn about the different careers opportunities that go into making retail the top private-sector employer in the country!

Scan for more information on Business Hospitality and the Rise Up program.



Contacts:

emily.holbert@southwestschools.org
ashley.hotopp@southwestschools.org

Course Scheduling

- Community Connections

Industry-Recognized Credentials

- NRF Rise Up Retail Industry Fundamentals Credential
- NRF Rise Up Customer Service and Sales Credential
- 12- point Industry-Recognized Credential

Graduation Seals

- OhioMeansJobs Readiness Seal (Ohio)
- Industry-Recognized Credential Seal (Ohio)
- Community Service Seal (Local)
- Student Engagement Seal (Local)

Leadership

Workplace Leadership is based on Lean Six Sigma methodology, a team-based problem-solving process for continuous improvement in the real world. This course can lead to Yellow Belt and Green Belt Certification, which is highly respected and even required in many business, industrial, medical, STEM, and entrepreneurship post-secondary settings. Along with these certifications, a student can earn a Leadership Excellence - Student certification and earn a full 12-point credential in the Career Readiness Pathway.

This pathway couples well with IT, Business, Engineering, and Advanced Manufacturing/Industry 4.0 for students who wish to expand their career opportunities.



Course Scheduling

- Recommended for Sophomores, Juniors, and Seniors

Graduation Seal & Cords

- Community Service Graduation Seal is a possibility
- Yellow and Green Graduation Cords upon Completion of the Green Belt Project

Industry-Recognized Credentials

- Lean Six Sigma Yellow Belt
- Lean Six Sigma Green Belt
- Leadership Excellence- Student Credential

Contact:

eric.meyer@southwestschools.org

Scan for more information on Leadership & Lean Six Sigma.



Entrepreneurship

INCubatoredu Entrepreneurship is a one-year course offering an authentic entrepreneurship experience as students develop their own product or service startup. Students will learn and carry out the processes involved with Problem-Solution identification, Customer and Idea Exploration (Ideation, production, validation, etc.), and culminate in a Pitch for Real Funding, while working with their instructor and community coaches and mentors.

This pathway couples well with IT, Business, Engineering, and Advanced Manufacturing/Industry 4.0 for students who wish to expand their career opportunities.



Contact: eric.meyer@southwestschools.org

Scan for more information on InCubatoredu



Industry-Recognized Credential

- Entrepreneurship and Small Business Certification

Course Scheduling

- Recommended for Juniors and Seniors

Law & Public Safety

Law and Public Safety is a one-year course that gives students the opportunity to explore the many fields that are part of law and public safety. The class offers students hands-on experiences and credentialing.



Course Scheduling

- Recommended for Sophomores, Juniors, and Seniors

Industry-Recognized Credentials

- FEMA 100, 200, 700, 800
- OSHA 10
- CPR First Aid
- Bleeding Control Basics 1.0

Graduation Seals

- 12-point industry credential
- OhioMeansJobs Readiness Seal (if also employed)
- Community Service Seal

Contact:

steve.kucera@southwestschools.org

Junior Reserve Officer Training Corps (JROTC)

Junior Reserve Officer Training Corps (JROTC) teaches citizenship, health and wellness, and service to the community. The curriculum includes cultural awareness as well as global history and such subjects as financial management. Students gain a sense of accomplishment and self-esteem while learning personal responsibility, teamwork, and self-discipline. Students also better understand the personal rights, responsibilities, and privileges of American citizens. Cadets are involved in a wide range of school activities including drill teams, air rifle teams, orienteering, athletics, parades, and community events.



Contact:

daniel.sheward@southwestschools.org

Course Scheduling

- AJROTC LET 1
- AJROTC LET 2
- AJROTC LET 3
- AJROTC LET 4

Courses must be taken in order listed above.

Graduation Seal

- Military Enlistment

For more information contact:

Harrison High School

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