

CAREER PATHWAYS

Career Pathways are six broad groupings of courses defined by the State of Michigan that share similar characteristics. They share employment requirements and many common interests, strengths, and competencies.

The Harrison High School Program of Studies is designed to offer students a pathway to success. In the middle school, students are exposed to Career Pathways and select a Career Pathway to explore that meets their academic potential and career interests. As time passes and interests change, students may change their pathway, taking the skills they have learned with them. The Career Pathway will provide a focus and the foundation for the student's learning experience. Students will develop a four-year high school Educational Development Plan (EDP) that will maximize their post high school potential and opportunities. These EDP's will then be updated yearly during career units in a variety of classes and as needed.

Harrison High School staff has developed Career Pathway Guides for students to use during the registration process. The Career Pathway Guides include required courses for grades 9-12 and pathway electives relevant to their chosen pathways. Students and parents should study the Career Pathway Guides on pages 15 - 22 of the program of study. Students may use them as guides for high school registration for career level entry.

Students selecting the **Professional** career fields will be considering a four-year college/university program as a requirement for career level entry. Students selecting the **Technical** career fields will be considering a community college, technical/trade school or other post secondary training for career level entry.

Michigan's Six Career Pathways



Arts and Communications

Careers related to the humanities and to the performing, visual, literary and media arts. They may include creative or technical writing, illustrating, graphic designing, publishing, theatre journalism, languages, radio and television broadcasting, photography, advertising and public relations. Specific examples include artists, journalists, interior designers, musicians, photographers, and theater technicians.



Business, Management, Marketing, and Technology

Careers related to all aspects of business including accounting, business administration, finance, information processing, and marketing. These may include entrepreneurship, sales, marketing, hospitality and tourism, computer/information systems, finance, accounting, office administration, personnel, economics, and management. Specific examples include accountants, business managers, salespersons, buyers, computer network administrators, secretaries and stock analysts.



Engineering/Manufacturing and Industrial Technology

Careers related to the technologies necessary to design, develop, install, or maintain physical systems. These may include occupations in designing, engineering and science, service technicians, manufacturing technology, transportation, and construction. Specific examples include architects, airplane pilots, engineers, carpenters, microcomputer specialists, equipment operators, technicians, and mechanics.



Health Sciences

Careers related to the promotion of health as well as the treatment of injuries, conditions, and disease. These may include medicine, dentistry, nursing, therapy and rehabilitation, nutrition, fitness and hygiene, public health, and veterinary science. Specific examples include physicians, nurses, pharmacists, health facility administrators, dental assistants, veterinarians, physical therapists, and medical technicians.



Human Services

Careers in child care, civil service, education, hospitality, and the social services. These may include law and legal studies, law enforcement, public administration, child and family services, and social services. Specific examples include postal workers, police officers, lawyers, teachers, counselors, school administrators, fire fighters, clergy, and social workers.



Natural Resources and Agriscience

Careers related to natural resources, agriculture and the environment. These may include agriculture, earth sciences, environmental sciences, fisheries management, forestry, horticulture, wildlife management, and many agri-business/agri-industry occupations. Specific examples include environmentalists, turf grass managers, farmers, landscape



Arts & Communications

Classes of 2009 & 2010

Technical 6 Pathway Electives

Professional 4 Pathway Electives

9th Required		10th Required		9th Required		10th Required	
Eng I	1	Eng II	1	Eng I	1	Eng II	1
Math	1	Math	1	Math	1	Math	1
Earth/Physical Sci.	1	Gen. Biology	1	Earth/Physical Sci.	1	Gen. Biology	1
PE	1/2	Am. History & Geog.	1	PE	1/2	Am. History & Geog. & Geog1	1/2
Health	1/2	Speech	1/2	Health	1/2	Speech	1/2
Computer I**	1/2	Pathway Elective	2	Computer I**	1/2	Pathway Elective	2 1/2
Computer II**	1/2	Elective	1	Computer II**	1/2	Elective	1/2
Pathway Elective	1 1/2			Pathway Elective	2		
Elective	1			Elective	1/2		
11th Required		12th Required		11th Required		12th Required	
Eng Elective**	1	Government	1/2	Eng Elective**	1	Eng Elective	1
World Hst. & Geog.	1	Economics	1/2	World Hst. & Geog.	1	Math	1
Pathway Elective	2 1/2	Pathway Elective	3	Math	1	Government	1/2
Elective	3	Elective	3 1/2	Pathway Elective	3 1/2	Economics	1/2
				Elective	1	Pathway Elective	3 1/2
						Elective	1
** Recommended year only				* Professional student must complete Math through Algebra II, and 2 years of foreign language.			
Pathway Electives				Pathway Electives			
Art I	1/2	Dramatic Lit.	1/2	Art I	1/2	Dramatic Lit.	1/2
Art II	1/2	Adv. Dramatic Lit.	1/2	Art II	1/2	Adv. Dramatic Lit.	1/2
Ceramics I	1/2	Yearbook	1+	Ceramics I	1/2	Interpersonal Comm.	1/2
Ceramics II	1/2	Newspaper	1+	Ceramics II	1/2	Yearbook	1 1/2
Art History	1/2	Drafting I	1	Art History	1/2	Newspaper	1 1/2
Adv. Art Studies	1/2	Drafting II	1	Adv. Art Studies	1/2	Psychology	1/2
Band	1	Spanish I	1	Band	1	Sociology	1/2
Beg. Woodworking	1	Spanish II	1	Spanish I, II, III	1	English III	1
Adv. Woodworking	1/2			Drafting I	1	English IV	1
				Drafting II	1		
Career Tech Center Elective				Career Tech Center Elective			
Graphic Arts Tech.	3			Graphic Arts Tech.	3		



Business/Management/Marketing & Technology

Classes of 2009 & 2010

Technical

Professional

6 Pathway Electives						4 Pathway Electives	
9th Required		10th Required		9th Required		10th Required	
Eng I	1	Eng II	1	Eng I	1	Eng II	1
Math	1	Math	1	Math	1	Math	1
Earth/Physical Sci.	1	Gen. Biology	1	Earth/Physical Sci.	1	Gen. Biology	1
PE	1/2	Am. Hst. & Geog.	1	PE	1/2	Am. Hst. & Geog.	1
Health	1/2	Speech	1/2	Health	1/2	Speech	1/2
Computer I**	1/2	Pathway Elective	2	Computer I**	1/2	Pathway Elective	2 1/2
Computer II**	1/2	Elective	1	Computer II**	1/2	Elective	1/2
Pathway Elective	1 1/2			Pathway Elective	2		
Elective	1			Elective	1/2		
11 th Required		12th Required		11 th Required		12th Required	
Eng Elective**	1	Government	1/2	Eng Elective**	1	Eng Elective	1
World Hst. & Geog.	1	Economics	1/2	World Hst. & Geog.	1	Math	1
Pathway Elective	2 1/2	Pathway Elective	3	Math	1	Government	1/2
Elective	3	Elective	3 1/2	Pathway Elective	3 1/2	Economics	1/2
				Elective	1	Pathway Elective	3 1/2
						Elective	1

** Recommended year only

* Professional student must complete Math through Algebra II, and 2 years of foreign language.

Pathway Electives				Pathway Electives			
Yearbook	1 1/2	Conservation	1	Yearbook	1 1/2	Spanish I	1
Newspaper	1 1/2	Consumer Ed.	1/2	Newspaper	1 1/2	Spanish II	1
General Business	1			Psychology	1/2	General Business	1
Accounting	1			Interpersonal Comm.	1/2	Accounting	1
BAT	1			Dual Enrollment	1+	BAT	1
Management Support	1			Gen. Biology	1	Management Support	1
Interpersonal Comm.	1/2			Conservation	1	English III	1
Internet Web Essentials	1/2			Consumer Ed.	1/2	English IV	1
				Internet Web Essentials	1/2		
Career Tech Center Electives				Career Tech Center Electives			
Computer Technology	3			Computer Technology	3		



Health Sciences

Classes of 2009 & 2010

Technical 6 Pathway Electives

Professional 4 Pathway Electives

9th Required	10th Required		9th Required		10th Required		
Eng I	1	Eng II	1	Eng I	1	Eng II	1
Math	1	Math	1	Math	1	Math	1
Earth/Physical Sci.	1	Gen. Biology	1	Earth/Physical Sci.	1	Gen. Biology	1
PE	1/2	Am. Hst. & Geog.	1	PE	1/2	Am. Hst. & Geog.	1
Health	1/2	Speech	1/2	Health	1/2	Speech	1/2
Computer I**	1/2	Pathway Elective	2	Computer I**	1/2	Pathway Elective	2
Computer II**	1/2	Elective	1	Computer II**	1/2	Elective	1/2
Pathway Elective	1 1/2			Pathway Elective	2		
Elective	1			Elective	1/2		
11 th Required	12th Required		11 th Required		12th Required		
Eng Elective**	1	Government	1/2	Eng Elective**	1	Eng Elective	1
World Hst. & Geog.	1	Economics	1/2	World Hst. & Geog.	1	Math	1
Pathway Elective	2 1/2	Pathway Elective	3	Math	1	Government	1/2
Elective	3	Elective	3 1/2	Pathway Elective	3 1/2	Economics	1/2
				Elective	1	Pathway Elective	3
						Elective	1

** Recommended year only

* Professional student must complete Math through Algebra II, and 2 years of foreign language.

Pathways Electives		Pathways Electives	
Psychology	1/2	Consumer Ed.	1/2
Sociology	1/2	Nutrition I	1/2
Body Conditioning	1/2	Nutrition II	1/2
Advanced PE	1/2	Personal & Family	1/2
Parenthood	1	Living	1/2
Forensic Sci. I	1/2	Chemistry	1
Forensic Sci. II	1/2		
		Spanish I	1
		Spanish II	1
		Biology	1
		Adv. Biology	1
		Chemistry	1
		Middle College	Varies

Career Tech Center Elective
Health Occupations 3

Career Tech Center Elective
Health Occupations 3

~ All students in the state of MI entering the health care field are subject to a criminal background check.



Engineering, Manufacturing & Industrial Technology

Classes of 2009 & 2010

Technical				Professional			
6 Pathway Electives				4 Pathway Electives			
9th Required		10th Required		9th Required		10th Required	
Eng I	1	Eng II	1	Eng I	1	Eng II	1
Math	1	Math	1	Math	1	Math	1
Earth/Physical Sci.	1	Gen. Biology	1	Earth/Physical Sci.	1	Gen. Biology	1
PE	1/2	Am. Hst. & Geog.	1	PE	1/2	Am. Hst. & Geog.	1
Health	1/2	Speech	1/2	Health	1/2	Speech	1/2
Computer I**	1/2	Pathway Elective	2	Computer I**	1/2	Pathway Elective	2 1/2
Computer II**	1/2	Elective	1	Computer II**	1/2	Elective	1/2
Pathway Elective	1 1/2			Pathway Elective	2		
Elective	1			Elective	1/2		
11 th Required		12th Required		11 th Required		12th Required	
Eng Elective**	1	Government	1/2	Eng Elective**	1	Eng Elective	1
World Hst. & Geog.	1	Economics	1/2	World Hst. & Geog.	1	Math	1
Pathway Elective	2 1/2	Pathway Elective	3	Math	1	Government	1/2
Elective	3	Elective	3 1/2	Pathway Elective	3 1/2	Economics	1/2
				Elective	1	Pathway Elective	3 1/2
						Elective	1
** Recommended year only				* Professional student must complete Math through Calculus, and 2 years of foreign language.			
Pathways Electives				Pathways Electives			
Drafting I	1			Drafting I	1	Spanish I	1
Drafting II	1			Drafting II	1	Spanish II	1
Beginning Woodworking	1			Beginning Woodworking	1	Chemistry	1
Advanced Woodworking	1/2			Advanced Woodworking	1	Physics	1
Res. Construction	1/2			BAT	1	English III	1
Res. Wiring	1/2			Res. Construction	1/2	English IV	1
		Res. Wiring			1/2	Psychology	1/2
Career Tech Center Electives				Career Tech Center Electives			
Auto Technology	3			Auto Technology	3		
Welding	3			Welding	3		
Manufac.Tech CAD	3			Manufac.Tech CAD	3		
Const. Trades	3			Const. Trades	3		



Human Services

Classes of 2009 & 2010

Technical 6 Pathway Electives

Professional 4 Pathway Electives

9th Required		10th Required		9th Required		10th Required	
Eng I	1	Eng II	1	Eng I	1	Eng II	1
Math	1	Math	1	Math	1	Math	1
Earth/Physical Sci.	1	Gen Biology	1	Earth/Physical Sci.	1	Gen Biology	1
PE	1/2	Am. Hst. & Geog.	1	PE	1/2	Am. Hst. & Geog.	1
Health	1/2	Speech	1/2	Health	1/2	Speech	1/2
Computer I**	1/2	Pathway Elective	2	Computer I**	1/2	Pathway Elective	2 1/2
Computer II**	1/2	Elective	1	Computer II**	1/2	Elective	1/2
Pathway Elective	1 1/2			Pathway Elective	2		
Elective	1			Elective	1/2		
11th Required		12th Required		11th Required		12th Required	
Eng Elective**	1	Government	1/2	Eng Elective**	1	Eng Elective	1
World Hst. & Geog.	1	Economics	1/2	World Hst. & Geog.	1	Math	1
Pathway Elective	2 1/2	Pathway Elective	3	Math	1	Government	1/2
Elective	3	Elective	3 1/2	Pathway Elective	3 1/2	Economics	1/2
				Elective	1	Pathway Elective	1/2
						Elective	3 1/2
							1

** Recommended year only

* Professional student must complete Math through Algebra II, and 2 years of foreign language.

Pathways Electives		Pathways Electives	
Interpersonal Comm.	1/2	Nutrition I, II	1/2
Spanish I	1	Personal & Family	1
Spanish II	1	Living	1/2
Parenthood	1	Advanced PE	1/2
Consumer Ed.	1/2	Body Conditioning	1/2
Sociology	1/2	Psychology	1/2
		English III	1
		English IV	1
		Geography	1/2

Career Tech Center Electives	
Criminal Justice	3
Early Childhood	3
Hosp/Food Service	3
Cosmetology	3

Career Tech Center Electives	
Criminal Justice	3
Early Childhood	3
Hosp/Food Service	3
Cosmetology	3



Natural Resources & Agriscience

Classes of 2009 & 2010

Technical 6 Pathway Electives

9 th Required		10 th Required	
Eng I	1	Eng II	1
Math	1	Math	1
Earth/Phy. Sci.	1	Gen. Biology	1
PE	½	Am.Hst.& Geog.	1
Health	½	Speech	½
Computer I**	½	Pathway Elective	2
Computer II**	½	Elective	1
Pathway Elective	1 ½		
Elective	1		

Professional 4 Pathway Electives

9 th Required		10 th Required	
Eng I	1	Eng II	1
Math	1	Math	1
Earth/Phy. Sci.	1	Gen. Biology	1
PE	½	Am.Hst.& Geog.	1
Health	½	Speech	½
Computer I**	½	Pathway Elective	2 ½
Computer II**	½	Elective	½
Pathway Elective	2		
Elective	½		

11 th Required		12 th Required	
Eng Elective**	1	Government	½
World Hst.&Geog.	1	Economics	½
Pathway Elective	2 ½	Pathway Elective	3
Elective	3	Elective	3 1/2

11 th Required		12 th Required	
Eng Elective**	1	Eng Elective**	1
World Hst.&Geog.	1	Math	1
Math	1	Government	½
Pathway Elective	3 ½	Economics	½
Elective	1	Pathway Elective	3 ½
		Elective	1

** Recommended year only

* Professional student must complete Math through Algebra II, and 2 years of foreign language.

Pathways Electives			
Parenthood	1	Body Conditioning	1 ½
Beg. Woodworking	1	Geography	1/2
Adv. Woodworking	1/2	MI History	1/2
Conservation	1		
Advanced PE	1/2		
Outdoor	1/2		

Pathways Electives			
Parenthood	1	Body Conditioning	½
Beg. Woodworking	1	Geography	½
Acv. Woodworking	½	MI History	½
Conservation	1	Spanish I	1
Biology	1	Spanish II	1
Adv. Biology	1	English III	1
Chemistry	1	English IV	1
Physics	1	Adv. PE	½
Outdoor	½		

Career Tech Center Electives

Career Tech Center Electives

Job Title Examples for each Career Pathway

Arts & Communication	Business Technologies	Engineering & Industrial Technology	Health Sciences	Human Services	Natural Resources & Agri-Science
Technical Careers	Technical Careers	Technical Careers	Technical Careers	Technical Careers	Technical Careers
Assistant Editor Copy Writer Layout Planner Actor/Actress Dancer Sculptor/Artist Illustrator Press Operator Journalism Technician Radio/TV Technician	Bookkeeper Loan Officer Data Entry Clerk Asst. Systems Analyst Assistant Buyer Salesperson Copywriter Receptionist Legal Secretary Office Manager	Carpenter Plumber Small Electronics Tech. Sound Technician CNC Operator Tool and Die Maker Automotive Mechanic Auto Body Mechanic Draftsman Surveyor	Certified Nursing Asst. X-Ray Technician Laboratory Technician Respiratory Therapist Dental Hygienist Pharmacy Technician Optometry Technician	Butcher Chef Police Officer Cosmetologist Firefighter Child Care Assistant Home Health Care Sanitation Tech. Research Asst. Coach	Fishery Technician Forestry Technician Nursery Manager Farmer Landscaper Floral Design Assistant Veterinary Assistant
Professional Careers	Professional Careers	Professional Careers	Professional Careers	Professional Careers	Professional
Editor Writer Publisher Journalist Composer Fashion Designer Radio/TV Broadcaster Public Relations Director Graphic Artist Computer Graphics Mgr	Accountant Auditor Economist Stock Broker Computer Programmer Systems Analyst Bank Manager Real Estate Broker Personnel Director Corporate Lawyer	Architect Building Inspector Contractor Electronic Engineer Industrial Engineer Die/Mold Engineer Automotive Engineer Quality Control Engineer Air Traffic Control Chemical Engineer	Dentist Orthodontist Pharmacist Family Doctor Physical Therapist Registered Nurse Dietician Surgeon Obstetrician Pediatrician	Social Worker Teacher Lawyer Librarian Prosecutor Security Director Counselor Nursing Home Admin. Hotel Manager Police/Fire Chief	Oceanographer Marine Biologist Chemist Physicist Forester Conservation Agent Veterinarian Fishery Manager DNR Agent Geologist

ote: The career listed here are only a random sampling not a comprehensive list.