

What are the benefits to a student identifying a Career Pathway?

Identifying a career pathway will help students understand their strengths and competencies as they relate to their career choices. The pathways also help students understand how their interests translated into their post-secondary aspirations. Career Pathways Education also provides students with a realistic view of the national and international job market as they make their career choices. Connecting what is presented in the classroom to educational/career choices will make what is taught relevant to our students future.

What are the different Pathways in Education?

The state of Michigan has identified six Pathways. These Pathways are broad course/career groupings that share similar characteristics and whose requirements call for common interest, strengths, and competencies. The six Michigan Pathways include:

- Arts and Communication
- Business, Management, Marketing, and Technology
- Engineering, Manufacturing, and Industrial Technology
- Health Sciences
- Human Services
- Natural Resources and Agriscience

How should a student use the Pathways?

Under each Pathway are listed the options a student has for required and elective courses which are relevant to that Pathway. Students and parents should study these options carefully using them as a guide for high school course selection. Counselors are available to students to assist them in their high school course planning. Please note, career pathways as found on the next pages, are a brief summary of a particular pathway.

What is Career Cruising?

Career Cruising is an Internet-based career exploration and planning tool your child uses to explore career and college options and develop a career plan. Career Cruising can be accessed from school, from home, or wherever your son or daughter has access to the Internet. Features of the program include:

Interest and Skills Assessment – a world-renowned career assessment tool to help people identify suitable career options based on their interests and skills.

Career Profiles – thorough and up-to-date information about hundreds of different occupations, including direct links between careers and college programs.

Multimedia Interviews – interviews with real people in each occupation, which add depth and realism to career profiles.

College and Financial Aid Information – comprehensive college and financial aid information, with a number of useful search tools to help students find the right college and the right scholarships.

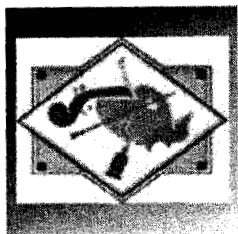
Electronic EDP* Tool – available online, so students can develop their education and career plans from where ever they access Career Cruising.

Resume Builder – integrated with the portfolio to help students format and print professional-looking resumes quickly and easily.

To find out more about Career Cruising, we encourage you to login using your child's username and password. Click on "Start Career Cruising" to begin. The website is www.careercruising.com.

*EDP – Educational Development Plan





Arts and Communications

Careers in this pathway are related to the humanities and performing, visual, literary, and media arts. These include architecture; graphic, interior, and fashion design; writing; film; fine arts; journalism; languages; media; advertising; and public relations. Character Traits: Are you a creative thinker? Are you imaginative, innovative, and original? Do you like to communicate ideas? Do you like making crafts, drawing, or playing a musical instrument, taking photos, or writing stories?

Associates Degrees	Bachelors Degrees	Recommended Electives
Applied Speech Communication Graphic Design Legal Studies Printing and Digital Graphic Imaging Technology	Advertising Applied Speech Communication Communication English Education Graphic Design Music Industry Management New Media Printing and Publishing Printing Management Public Relations Technical and Professional Communication (with tracks) Automotive Writing Concentration Computer Information Concentration Multimedia Writing Concentration Publication Management Concentration Scientific and Medical Writing Concentration Technical Journalism Concentration Television and Digital Media Production	Intro to Engineering Design Intro to Architectural Design Computer Technology Internet Applications Creative Writing Public Speaking Literature and the Arts Intro to Visual Arts Drawing/Design Painting Advanced Visual Arts Music Theory and Literature Symphonic Band Wind Ensemble Jazz Band Intro to Drama Advanced Drama Film in our World Intro to Music Women's Chorale Lake Shore Singers Shorian Singers Women's Glee Club Foreign Language Marketing & Sales Educational Paradigms Business Management Technology Journalism Psychology Design Studio I-II Hospitality & Culinary Arts I-II TV & Radio Broadcasting I-II





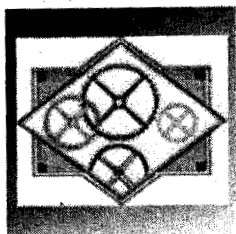
Business, Management, Marketing & Technology

Careers in this path are related to the business environment. These include entrepreneur, sales, marketing, computer/information systems, finance, accounting, personnel, economics, and management.

Character Traits: Do you enjoy being a leader, organizing people, planning activities, and talking? Do you like to work with numbers or ideas? Do you enjoy carrying through with an idea and seeing the end product? Do you like things neat and orderly? Would you enjoy balancing a checkbook, following the stock market or holding an office?

Associates Degrees	Bachelors Degrees	Recommended Electives
Accounting Computer Information Systems General Business Legal Studies Medical Record Technology Restaurant and Food Industry Management Visual Design and Web Media	Accountancy Actuarial Science Advertising Automotive and Heavy Equipment Management Business Administration Business Education Computer Information Systems Computer Networks and Systems Construction Management E-Commerce Marketing Facilities Management Finance Golf Management, Professional Health Care Systems Administration Hotel Management Human Resource Management International Business Management Marketing Mathematics, Applied Operations Research Concentration Statistics Concentration Medical Record Administration Music Industry Management Operations and Supply Management Public Administration Public Relations Recreation Leadership and Management Resort Management Small Business Management and Entrepreneurship Technical and Professional Communication Publication Management Concentration Tennis Management, Professional Training in Business and Industry Visual Design and Web Media	Accounting I-II Marketing & Sales Business Law Economics Intro to Marketing Computer Technology Word Processing / Publishing Business Management Technology I-II Personal Finance Spreadsheet / Database Foreign Language Internet Applications





Engineering/Manufacturing and Industrial Technology

Careers in this path are related to technologies necessary to design, develop, install, and maintain physical systems. These include engineering, manufacturing, construction, service, and related technologies.

Character Traits: Are you mechanically inclined and practical? Do you like reading diagrams and blueprints, and drawing building structures? Are you curious about how things work? Would you enjoy painting a house, repairing cars, wiring electrical circuits, or woodworking?

Associates Degrees	Bachelors Degrees	Recommended Electives
Architectural Technology Automotive Service Technology Building Construction Technology CAD Drafting and Tool Design Civil Engineering Technology Heavy Equipment Technology HVACR Technology Industrial Chemistry Technology Industrial Electronics Technology Manufacturing Tooling Technology Mechanical Engineering Technology Plastics Technology Printing and Digital Graphic Imaging Technology Rubber Technology Surveying Technology Welding Technology	Automotive Engineering Technology Automotive and Heavy Mathematics, Applied Operations Research Concentration Statistics Concentration Heavy Equipment Service Engineering Technology HVACR Engineering Technology Manufacturing Engineering Technology Mathematics Mechanical Engineering Technology Equipment Management Computer Networks and Systems New Media Printing and Publishing Plastics Engineering Technology Printing Management Product Design Engineering Technology Quality Engineering Technology Rubber Engineering Technology Surveying Engineering Welding Engineering Technology Construction Management Electrical/electronic Engineering Technology Facilities Management Automotive Body Construction Management	Intro to Business Technology Computer Technology Design Studio Intro to Architectural Design Intro to Engineering Design Intro to Manufacturing Processes: Machining Spreadsheet/Database Auto body Repair Electronics Graphic Communication Building Maintenance Building Trades Automotive Mechanic Foreign Language Calculus Chemistry Physics Data Analysis & Statistics Intro to Visual Arts Drawing/Design Word Processing/Publishing





Environmental Science Pathway

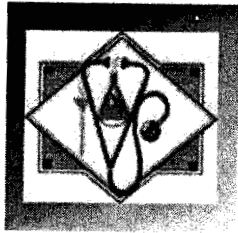
Careers in this path are related to agriculture, the environment, and natural resources. These include agricultural sciences, earth sciences, environmental sciences, fisheries, forestry, horticulture, and wildlife.

Character Traits: Are you a nature lover? Are you practical, curious about the physical world, and interested in plants and animals? Do you enjoy hunting or fishing? Do you like to garden or mow the lawn? Are you interested in protecting the environment?

Associates Degrees	Bachelors Degrees	Recommended Electives
Industrial Chemistry Technology Ornamental Horticulture Technology Surveying Technology	Applied Biology Environmental Biology Concentration Biochemistry Biology Biotechnology Chemistry Pre-Veterinary Medicine	Foreign Language Public Speaking Biology (AP) Intro to Business Technology Spreadsheet/Database Word Processing/Publishing Environmental Science Marketing Accounting Data Analysis and Statistics



Health Sciences



Careers in this path are related to the promotion of health and treatment of disease. These include research, prevention, treatment, and related health technologies

Character Traits: Do you like to care for people or animals who are sick or help them to stay well? Are you interested in diseases and in how the body works? Do you enjoy reading about science and medicine? Would it be fun to learn first aid or volunteer at a hospital or veterinary clinic?

Associates Degrees	Bachelors Degrees	Recommended Electives
Dental Hygiene Diagnostic Medical Sonography (Ultrasound) Industrial Chemistry Technology Medical Laboratory Technology Medical Record Technology Nuclear Medicine Technology Nursing: Technical (RN) Pre-Mortuary Science (pre-professional) Pre-Optometry (pre-professional) Pre-Pharmacy (pre-professional) Pre-Science (pre-professional) Radiography Respiratory Care	Allied Health Education Applied Biology (with tracks) Environmental Biology Concentration Forensic Biology Concentration Pre-Dentistry Concentration Pre-Medicine Concentration Pre-Physical Therapy Concentration Pre-Veterinary Medicine Concentration Biochemistry Biology Biology Education Biotechnology Chemistry Chemistry Education Health Care Systems Administration Medical Record Administration Medical Technology Nuclear Medicine Technology Nursing: Professional (BSN) Technical and Professional Communication Scientific and Medical Writing Concentration	Public Speaking Educational Paradigms Psychology Sociology Spreadsheet/Database Word Processing/Publishing Advanced Composition Anatomy and Physiology Foreign Language Computer Technology Intro to Business Technology Internet Applications: Integrating Tech Data Analysis & Statistics Aerobics Fitness/Conditioning Individual Sports Team Sports Human Health AP Biology



Human Services



Careers in this path are related to economic, political, and social systems. These include education, government, law and law enforcement, leisure and recreation, military, religion, child care, social services, and personal services.

Character Traits: Are you friendly, open, understanding, and cooperative? Do you like to work with people to solve problems? Is it important to you to do something that makes things better for other people? Do you like to help friends with family problems?

Do you like reading, storytelling, traveling, or tutoring young children?

Associates Degrees	Bachelors Degrees	Recommended Electives
Early Childhood Education Legal Studies Pre-Criminal Justice Pre-Law Pre-Teaching Elementary/Secondary Restaurant and Food Industry Management	Allied Health Secondary Education Applied Speech Communication Biology Secondary Education Business Education Communication Criminal Justice Elementary Education English Secondary Education Golf Management, Professional History Hotel Management Mathematics Secondary Education Psychology Public Administration Recreation Leadership and Management Resort Management Social Studies Secondary Education Social Work Sociology Technical Education Tennis Management, Professional Training in Business and Industry Wage Earning Home Economics Education	Psychology Sociology Educational Paradigms Design Studio I Graphic Communications Cosmetology Dental Careers Child Care

