

MSHS Career Pathways Sheet

To be a concentrator, 1) a student must have taken 2 credits in a pathway and 2) pass the EOP and/or Industry Certification Exam. It is recommended that a student take 4 courses relating to their pathway to prepare for the workforce. In order to co-op, a student must have or be taking their 3rd class in a pathway and/or pass the EOP/Industry Certification.

AGRICULTURE PATHWAY		
Recommended	Optional	Possible Careers
Ag Power, Structural, and Technical Systems		
* Principles of Ag Science & Tech Ag Construction Skills Small Power Equipment Ag Structures and Design	Ag Employment Skills Ag Co-op	Engineer - Agricultural, Mechanical, Electrical; Technician - Diesel, Heavy Equipment, Farm Equipment; Small Engine Mechanic; Welder
Animal Science Systems		
* Principles of Ag Science & Tech Animal Science (.5) Animal Technology (.5) Equine Science (.5) Small Animal Tech (.5) Dual Credit - Murray	Aquaculture (.5) Ag Employment Skills Ag Co-op	Veterinarian; Veterinary Technician; Animal Scientist; Marine Biologist; Zoologist; Horse Trainer; Animal Breeder; Farmer
Environmental Science and Natural Resources Systems		
* Principles of Ag Science & Tech Wildlife Resources (.5) Forestry (.5) Aquaculture (.5) Environmental Tech (.5)	Intro to Greenhouse (.5) Greenhouse Technology (.5) Ag Employment Skills Ag Co-op	Conservation Officer; Park Warden; Outdoor Guide; Environmental Engineer; Ecologist; Wildlife Technician; Taxidermist; Arborist; Forestry Technician
Horticulture and Plant Science		
* Principles of Ag Science & Tech Floral Design (.5) Landscaping (.5) Intro to Greenhouse (.5) Greenhouse Technology (.5)	Ag Sales & Marketing Ag Employment Skills Ag Co-op	Horticulturist; Agronomist; Landscaper; Farmer; Scientist; Landscape Architect; Nursery Grower; Botanist; Greenhouse Tech; Turf Specialist
BUSINESS AND MARKETING		
Recommended	Optional	Possible Careers
Administrative Support		
* Digital Literacy Ess of Bus/Marketing Microsoft Office	Med Terminology/Emerg Pro Ethical Leadership Mult- Media Publishing Financial Literacy Business Co-op	Administrative Assistant; Event Planner; Health Care Administrator; Health Records Professional; Hotel Manager; Insurance Claim Adjuster; Legal Secretary; Medical Secretary; Office Manager; Paralegal; Travel Agent,
E-Commerce		
* Digital Literacy Ess of Bus/Marketing Multimedia Publishing Entrepreneurship	Microsoft Office Adv Multimedia Publishing Business Co-op	Communication Specialist, E-Business Consultant; Economics Development Office; Media Buyer; Retail Buyer; Salesperson; Sales Representative; E-Commerce Project Manager; Internet Sales Consultant; E-Commerce Marketing Specialist

Family Consumer Science Pathway

Required	Optional	Possible Careers
Early Childhood Education		
<p>* <i>Early Lifespan Dev</i> Child Dev Services I Child Dev Services II EKU Dual Credit: EDC 106/EDF 203</p>	<p>Early Child Ed Co-op</p>	<p>Early Childhood Education; Psychologist; Nanny; Pediatrician; Midwife; Child/Youth Worker</p>

Air Force ROTC Pathway (Leadership)

Required	Optional	Possible Careers
<p>Aerospace Science I Aerospace Science II Aerospace Science III Aerospace Science IV</p>		<p>Administration; Construction & Equip Repair ; Engineering & Tech; Healthcare; Media/Public Affairs; Transportation Material-Handling</p>

Information Technology

Required	Optional	Possible Careers
Computer Programming		
<p>* Intro Comp Science * Digital Literacy Java AP Comp Science Prin AP Computer Science A</p>	<p>Project Programming Dual Credit Options Information Tech Co-op</p>	<p>Computer Software Engineer; Database Developer; Computer Hardware Engineer; Computer Network Specialist; Computer Scientist; Web Developer; Information Security Analyst; Computer Programmer</p>

Health Science

Required	Optional	Possible Careers
Biomedical Sciences (PLTW)		
<p>* <i>Prin of BioMedical Sci</i> Human Body Systems Medical Interventions BioMedical Innovations</p>		<p>Doctor, Nurse, Surgeon, Biomedical Engineer, Pharmacist, Forensic Scientist, Public Health Specialist</p>