

MHS Programs of Study Courses at a Glance 2021-2021

ANIMAL SCIENCE					
Advertisement video: MHS Animal Science					
Course	Credit	Level	Dual Credit	Certifications	Grade
Principles of Agriculture, Food, and Natural Resources (Speech credit given)	1	1			8-9
Small Animal Management	0.5	2			9-12
Equine Science	0.5	2	AGEQ 1311		9-12
Livestock Production	1	3			9-12
Advanced Animal Science	1	4			11-12
Practicum in Agriculture, Food and Natural Resources	2-3	4			11-12
Project-Based Research	1	4			11-12
Career Preparation 1	2-3	4			11-12
PLANT SCIENCE					
Advertisement video: MHS Floral and Plant Science					
Course	Credit	Level	Dual Credit	Certifications	Grade
Principles of Agriculture, Food, and Natural Resources (Speech credit given)	1	1			8-9
Horticulture Science (MMS 2023)	1	1			8-9
Floral Design	1	3		TSFA Basic Level 1 Floral	9-12
Advanced Floral Design	1	4		TSFA Level 1 Floral	10-12
Practicum in Agriculture, Food and Natural Resources	2-3	4			11-12
Project-Based Research	1	4			11-12
APPLIED AGRICULTURAL ENGINEERING					
Advertisement video: MHS Agriculture					
Course	Credit	Level	Dual Credit	Certifications	Grade
Principles of Agriculture, Food, and Natural Resources (Speech credit given)	1	1			8-9
Agricultural Mechanics and Metal Technologies	1	2	WLDG 1200, 1204		9-12
Agricultural structures Design and Fabrication lab	2	3	WLDG 1202, 1206, 1313, 1327	OSHA 30 HR	10-12
Agricultural Equipment Design and Fabrication lab	2	4	WLDG 1307	AWS Sense Welding 1	11-12
Practicum in Agriculture, Food and Natural Resources	2-3	4			11-12
Project-Based Research	1	4			11-12
MANUFACTURING TECHNOLOGY					
Advertisement video: Manufacturing					
Course	Credit	Level	Dual Credit	Certifications	Grade
Metal Fabrication and Machining I (WC Machining -Manual & CNC)	1	2			12
Precision Metal Manufacturing I (WC Machining -Manual & CNC)	1	3			12
Computer Integrated Manufacturing (WC Machining -Manual & CNC)	1	3		NIMS Machining Level 1	12
Principles of Manufacturing (WC Industrial Maintenance & Automation Technology)	1	1			12
Diversified Manufacturing I (WC Industrial Maintenance & Automation Technology)	1	2			12
Diversified Manufacturing II (WC Industrial Maintenance & Automation Technology)	1	3		Basic IMAT - First Aid/CPR	12
ELECTRICAL					
Advertisement video: Life of an Electrician					
Course	Credit	Level	Dual Credit	Certifications	Grade
Electrical Technology I (IEC Course)	1	2			12
Electrical Technology II (IEC course)	1	3		Electrical Apprenticeship Level 1	12
Practicum in Construction Technology (IEC course)	2-3	4			12
Career Preparation 1	2-3	4			11-12
HVAC and SHEET METAL					
Advertisement video: HVAC					
Course	Credit	Level	Dual Credit	Certifications	Grade
HVAC and Refrigeration Technology I (WC HVAC)	1	2			11-12
HVAC and Refrigeration Technology II (WC HVAC)	2	3			11-12
Practicum in Construction Technology (WC HVAC)	2-3	4		EPA Level 1	11-12
Career Prep 1	2-3	4			11-12
ARCHITECTURAL DESIGN					
Advertisement video: Architectual and Engineering Career					
Course	Credit	Level	Dual Credit	Certifications	Grade
Introduction to Computer Aided Design and Drafting (WC CAD)	1	1			11-12
Intermediate to Computer Aided Design and Drafting (WC CAD)	1	1			11-12
Computer Aided Drafting for Architecture (WC CAD)	1	2		AutoCAD	11-12
Practicum in Architectural Design (WC CAD)	2-3	4			11-12
Career Prep 1	2-3	4			11-12
AUTOMOTIVE					
Advertisement video: WHS Automotive					
Course	Credit	Level	Dual Credit	Certifications	Grade
Automotive Technology 1 (WHS)	2	3	AUMT 1319, 1316	ASE Brakes, Electrical Sys, Engine	10-12
Automotive Technology 2 (WHS)	2-3	4	AUMT 1307, 2437, 2317, 2334	ASE HVAC, Light, Suspension, Steering	11-12
ACCOUNTING AND FINANCIAL SERVICES					
Advertisement video: MHS Business and Accounting					
Course	Credit	Level	Dual Credit	Certifications	Grade
Principles of Business, Marketing, and Finance	1	1	BUSG 1304, MRKG 1311		9-12
Business Information Management I	1	1		Microsoft Office Specialist Word	9-12
Financial Mathematics	1	3			10-12
Practicum in Business Management	2-3	4			11-12
Career Preparation I	2-3	4			11-12

BUSINESS MANAGEMENT						Advertisement video: MHS Business and Accounting
Course	Credit	Level 1	Dual Credit	Certifications	Grade	
Principles of Business, Marketing, and Finance	1	1	BUSG 1304, MRKG 1311		9-12	
Business Information Management I	1	1		Microsoft Office Specialist Word	9-12	
Business Management	1	3	BGMT 1327		9-12	
Practicum in Business Management	2-3	4			11-12	
Career Preparation I	2-3	4			11-12	
DIGITAL COMMUNICATIONS						Advertisement video: Digital Communications
Course	Credit	Level 1	Dual Credit	Certifications	Grade	
Professional Communications	0.5	1	SPEECH 1311		9-12	
Audio/Video Production I	1	2		Adobe Certified Associate Premiere Pro	9-12	
Audio/Video Production II	1	3			10-12	
Practicum in Audio Video Production	2-3	4			11-12	
DESIGN AND MULTIMEDIA ARTS						Advertisement video: Multimedia Arts
Course	Credit	Level	Dual Credit	Certifications	Grade	
Commercial Photography I	1	2		Adobe Certified Associate Photoshop	9-12	
Commercial Photography II	1	3			10-12	
Practicum in Commercial Photography	2-3	4			11-12	
Animation I Lab	2	2		Adobe Certified Associate Animate	9-12	
Animation II Lab	2	3			10-12	
Practicum In Animation	2-3	4			11-12	
Career Preparation I	2-3	4			11-12	
HEALTHCARE DIAGNOSTICS						Advertisement video: MHS Healthcare
Course	Credit	Level	Dual Credit	Certifications	Grade	
Medical Terminology	1	2		Certified EKG/ECG Technician	11-12	
Health Science Theory	1	3			9-12	
Health Science Clinical (WC Dental Assistant)	2	3		Dental Assistant	12	
Anatomy and Physiology	1	4	BIOL 2401 & 2402		10-12	
Pathophysiology (WC Certified Nurse Aide)	1	4		Certified Nurse Aide/Assistant Basic	12	
Practicum in Health Science	2-3	4			11-12	
HEALTHCARE THERAPEUTIC						Advertisement video: MHS Healthcare
Course	Credit	Level	Dual Credit	Certifications	Grade	
Medical Terminology	1	2		Certified EKG/ECG Technician Basic Life Support CPR	11-12	
Anatomy and Physiology	1	3	BIOL 2401 & 2402		10-12	
Health Science Theory	1	3			9-12	
Pathophysiology (WC Certified Nurse Aide)	1	4		Certified Nurse Aide/Assistant Basic	12	
Pharmacology	1	4		Certified Pharmacy Technician	12	
Practicum in Health Science	2-3	4			11-12	
HEALTHCARE INFORMATICS						Advertisement video: Clinical Medical Assistant
Course	Credit	Level	Dual Credit	Certifications	Grade	
Medical Terminology	1	1		Certified EKG/ECG Technician Basic Life Support CPR	11-12	
Business Information Management I	1	2			9-12	
Health Informatics (WC CMA Clinical Medical Assistant)	1	3		Clinical Medical Assistant	12	
EMERGENCY SERVICES						Advertisement video: MHS Fire Academy
Course	Credit	Level	Dual Credit	Certifications	Grade	
Emergency Medical Technician Basic (WC or WHS)	2	3		EMT Basic	12	
Anatomy and Physiology	1	3	BIOL 2401 & 2402		10-12	
Firefighter 1 (WC Fire Academy)	2	3	FIRS 1301, 1407, 1313, 1319, 1323, 1329, 1433	Basic Structure Fire Protection	12	
Firefighter 2 (WC Fire Academy)	3	4				
Practicum in Law, Public Safety, Corrections, and Security	2-3	4			12	
Project-Based Research	1	4			12	
LAW ENFORCEMENT						Advertisement Video: Law Enforcement
Course	Credit	Level	Dual Credit	Certifications	Grade	
Law Enforcement 1	1	2			9-10	
Law Enforcement 2	1	3			11-12	
Forensic Science	1	4			11-12	
Practicum in Law, Public Safety, Corrections, and Security	2-3	4			12	
CULINARY ARTS						Advertisement video: MHS Culinary Arts
Course	Credit	Level	Dual Credit	Certifications	Grade	
Principles of Hospitality and Tourism	1	1			9-12	
Culinary Arts	2	2		ServSafe Handler	9-12	
Advanced Culinary Arts	2	3		ServSafe Manager	10-12	
Food Science	1	4			9-12	
Practicum in Culinary Arts	2-3	4			11-12	
Career Preparation I	2-3	4			11-12	
COSMETOLOGY AND PERSONAL CARE SERVICES						Advertisement video: WHS Cosmetology

Course	Credit	Level	Dual Credit	Certifications	Grade
Cosmetology 1 Lab (WHS)	3	3	CSME 1401, 1505, 2501, 1451		11-12
Cosmetology 2 lab (WHS)	3	4	CSME 2343, 1543, 2350	Cosmo	12