

# CAREER & TECHNICAL EDUCATION - PROGRAMS OF STUDY - AT A GLANCE

Courses below are not tied to grade levels. Not all courses have a required prerequisite.

	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
<b>AGRICULTURE, FOOD, AND NATURAL RESOURCES</b>				
<b>AGRIBUSINESS</b>	Principles of Agriculture, Food, and Natural Resources	Professional Standards in Agribusiness	Professional Communications	Career Preparation 1 and Extended Career Preparation; Practicum in Agriculture, Food, and Natural Resources
<b>ANIMAL SCIENCE</b>	Principles of Agriculture, Food, and Natural Resources	Small Animal Management	Equine Science; Livestock Production; Veterinary Medical Applications	Practicum in Agriculture, Food, and Natural Resources
<b>APPLIED AGRICULTURAL ENGINEERING</b>	Principles of Agriculture, Food, and Natural Resources	Professional Communications; Professional Standards in Agribusiness	Agricultural Mechanics and Metal Technologies	Agricultural Structures Design and Fabrication; Practicum in Agriculture, Food, and Natural Resources; Honors Scientific Research and Design
<b>ENVIRONMENTAL AND NATURAL RESOURCES</b>	Principles of Agriculture, Food, and Natural Resources	Wildlife, Fisheries, and Ecology Management	Honors Scientific Research and Design	Practicum in Agriculture, Food, and Natural Resources
<b>PLANT SCIENCE</b>	Principles of Agriculture, Food, and Natural Resources	Landscape Design and Management; Turf Grass Management	Floral Design; Horticultural Science	Advanced Floral Design; Honors Scientific Research and Design; Practicum in Agriculture, Food, and Natural Resources
<b>ARCHITECTURE AND CONSTRUCTION</b>				
<b>ARCHITECTURAL DESIGN</b>	Professional Communications	Digital Media	Architectural Design I; Interior Design	Architectural Design II; Career Preparation I and Extended Career Preparation
<b>ARTS, AUDIO VIDEO TECHNOLOGY, AND COMMUNICATIONS</b>				
<b>DESIGN AND MULTIMEDIA ARTS</b>	Digital Design and Media Production; Principles of Arts, A/V Technology, and Communications; Video Game Design	Digital Media	Fashion Design I; Graphic Design and Illustration I; Graphic Design and Illustration I/Lab	Career Preparation I and Extended Career Preparation; Fashion Design II/Lab; Graphic Design and Illustration II/Lab
<b>DIGITAL COMMUNICATIONS</b>	Principles of Arts, A/V Technology, and Communications	Professional Communications	Audio Video Production I	Audio Video Production II
<b>BUSINESS, MARKETING, AND FINANCE</b>				
<b>ACCOUNTING AND FINANCIAL SERVICES</b>	Principles of Business, Marketing, and Finance	Business Information Management (BIM)	Accounting I	Accounting II Honors; Career Preparation I and Extended Career Preparation
<b>BUSINESS MANAGEMENT</b>	Principles of Business, Marketing, and Finance	Business Information Management (BIM); Virtual Business	Business Law; Global Business	Career Preparation I and Extended Career Preparation
<b>ENTREPRENEURSHIP</b>	Principles of Business, Marketing, and Finance	Business Information Management (BIM)	Entrepreneurship	Career Preparation I and Extended Career Preparation; Practicum in Marketing with Extended Practicum
<b>MARKETING AND SALES</b>	Principles of Business, Marketing, and Finance	Virtual Business	Fashion Marketing; Social Media Marketing; Sports and Entertainment Marketing	Career Preparation I and Extended Career Preparation; Practicum in Marketing with Extended Practicum
<b>EDUCATION AND TRAINING</b>				
<b>EARLY LEARNING</b>	Principles of Human Services	Child Development	Interpersonal Studies; Professional Communications	Career Preparation I and Extended Career Preparation
<b>TEACHING AND TRAINING</b>	Principles of Human Services	Child Development	Instructional Practices	Career Preparation I and Extended Career Preparation; Practicum in Education and Training

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<b>HEALTH SCIENCE</b>				
<b>HEALTH INFORMATICS</b>	Principles of Health Science	Medical Terminology	Business Information Management (BIM)	World Health Research
<b>HEALTHCARE DIAGNOSTICS</b>	Principles of Health Science	Health Science Theory; Medical Terminology	Anatomy and Physiology; Practicum in Health Science I (Clinical Rotation I)	Practicum in Health Science II (Clinical Rotation II)
<b>HEALTHCARE THERAPEUTIC</b>	Principles of Health Science	Health Science Theory; Medical Terminology	Anatomy and Physiology; Practicum in Health Science I (Clinical Rotation I)	Pharmacology; Practicum in Health Science II (Clinical Rotation II)
<b>MEDICAL THERAPY</b>	Principles of Health Science	Health Science Theory; Medical Terminology	Practicum in Health Science I (Clinical Rotation I)	Practicum in Health Science II (Clinical Rotation II)
<b>NURSING SCIENCE</b>	Principles of Health Science	Medical Terminology	Anatomy and Physiology	Pharmacology
<b>HOSPITALITY AND TOURISM</b>				
<b>CULINARY ARTS</b>	Principles of Hospitality and Tourism	Introduction to Culinary Arts	Culinary Arts	Career Preparation I and Extended Career Preparation; Food Science; Practicum in Culinary Arts
<b>TRAVEL, TOURISM, AND ATTRACTIONS</b>	Principles of Hospitality and Tourism	Professional Communications	Entrepreneurship; Global Business; Sports and Entertainment Marketing	Career Preparation I and Extended Career Preparation
<b>HUMAN SERVICES</b>				
<b>FAMILY AND COMMUNITY SERVICES</b>	Principles of Human Services; Professional Communications	Child Development; Dollars and Sense; Lifetime Nutrition and Wellness	Family and Community Services; Interpersonal Studies	Career Preparation I and Extended Career Preparation
<b>HEALTH AND WELLNESS</b>	Principles of Human Services	Lifetime Nutrition and Wellness	Interpersonal Studies	Career Preparation I and Extended Career Preparation
<b>INFORMATION TECHNOLOGY</b>				
<b>NETWORKING SYSTEMS</b>	Computer Science I	AP Computer Science Principles; Principles of Information Technology	Internetworking Technologies I (Cisco CCNA I & II)	Career Preparation I and Extended Career Preparation; Internetworking Technologies II (Cisco CCNA III & IV)
<b>WEB DEVELOPMENT</b>	Principles of Information Technology; Professional Communications	Computer Science I	Web Design	Career Preparation I and Extended Career Preparation
<b>LAW AND PUBLIC SERVICE</b>				
<b>LAW ENFORCEMENT</b>	Professional Communications	Business Information Management (BIM)	Principles of Law, Public Safety, Corrections, and Security; Law Enforcement I	Forensic Science; Law Enforcement II
<b>SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS</b>				
<b>CYBERSECURITY</b>	Computer Science I	AP Computer Science Principles; Principles of Information Technology	AP Computer Science A; Internetworking Technologies I (Cisco CCNA I & II)	Internetworking Technologies II (Cisco CCNA III & IV)
<b>ENGINEERING</b>	Introduction to Engineering Design (PLTW)	Engineering Science (PLTW)	Aerospace Engineering (PLTW); Digital Electronics (PLTW); Engineering Design and Presentation I	Engineering Design and Development (PLTW); Honors Scientific Research and Design
<b>PROGRAMMING AND SOFTWARE DEVELOPMENT</b>	Computer Science I	AP Computer Science Principles	Computer Science II; AP Computer Science A	Career Preparation I and Extended Career Preparation; Computer Science III Honors
<b>TRANSPORTATION, DISTRIBUTION, AND LOGISTICS</b>				
<b>AUTOMOTIVE</b>	Professional Communications	Business Information Management (BIM)	Automotive Technology I: Maintenance and Light Repair; Collision Repair	Automotive Technology II: Automotive Service; Career Preparation I and Extended Career Preparation; Paint and Refinishing

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