

CAREER PATHWAY	SUGGESTED COURSES	LHS COURSES	CAREER PATHWAY	SUGGESTED COURSES	LHS COURSES
<u>Agriculture, Food and Natural Resources</u> - careers in the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources.	Agricultural Science; Animal Anatomy/Physiology; Animal Science; Biological Science; Biology; Botany; Chemistry; Earth/Environmental Science; Horticulture; Livestock Management; Natural Resources & Management	Agri-Science; Anatomy/Physiology; Biology; Bio Ethics; Human Biology; Chemistry; Earth Science; Environmental Science; Marine Science; Systems & Sustainability	<u>Education and Training</u> - careers in planning, managing and providing education and training services, and related learning support services.	American Government/History; Career Exploration in Education & Training; Child Development/Psychology; Computer Applications; English Composition; Home Economics; Parenting; Philosophy; Psychology; Social Studies; Sociology; Speech/Communication; Statistics; World Issues; World Languages	Anthropology; English; Psychology; Spanish; French; US History; Civics; Child Development; Current Issues; Public Speaking; Understanding Self & Relationships; World History; Genocide; 20th Century American Culture; African American/Black & Puerto Rican/Latino Studies; Computer Science Principles; Statistics
<u>Architecture and Construction</u> - careers in designing, planning, managing, building and maintaining the physical infrastructure environment, e.g. buildings, homes, parks, bridges, roads and highways, etc.	Advanced Algebra; Calculus; Computer-Aided Drafting/Applications; Design & Construction; Geometry; Applied Technology, Safety, Health & the Workplace Environment; Woodworking	Agri-Science; Algebra; Pre-Calculus; Calculus, Physics; Civil Engineering & Architecture; Computer Science Principles; Geometry; Housing & Interior Design; Integrated Math; Intro to Engineering Design; Metals; Power Mechanics; Principals of Engineering; Woods	<u>Finance</u> - careers in services for financial and investment planning, banking, insurance, and business financial management.	Accounting; Algebra; Banking & Investing; Business Management & Statistics; Calculus; Computer Applications; Economics; Finance; Geometry; International Business; Office Technology; Research/Market Research; Statistics; Technical Writing	Accounting; Algebra; Pre-Calculus; Calculus; English; Geometry; Integrated Math; Personal Finance; Computer Science Principles; Marketing; Statistics.
<u>Arts, AV Technology and Communications</u> - careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content, e.g. visual and performing arts and design, journalism, etc.	Art/A-V Technology & Communications; Band/Choir; English Composition; Fashion/Interior Design; Graphic Design; History; Information Technology; Journalism; Literature; Music Theory; Performing Arts; Photography; Speech/Communication; Technical Writing; Theater & Playwriting	Painting Studio; English; Art; World History; Band/Choir; Music Theory; Music Production; Ceramics; Sewing & Fashion; Creative Writing; Journalistic Publications; Drama; Drawing; Housing & Interior Design; Public Speaking; Print & Book Making; Sculpture; Shakespeare on Film.	<u>Government and Public Administration</u> - focuses on the careers unique to government, including governance, national security, regulation, and management and administration at the local, state, and federal levels.	American Government & Comparative Political Systems; American History; Civics; Geography; Government & Public Administration; Information Technology; Modern Europe & Western Traditions; Psychology; Sociology; Speech/Communication; Statistics; World Concepts & Themes; World Issues; World Languages; Writing/Composition	Anthropology; English; Psychology; Spanish; French; US History; Civics; Current Issues; Public Speaking; Understanding Self & Relationships; World History; Genocide; 20th Century American Culture; African American/Black & Puerto Rican/Latino Studies; Statistics.
<u>Business, Management and Administration</u> - careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.	Accounting; Advertising; Algebra; Business Law; Business Management; Calculus; Computer Applications; Economics; English Literature/Composition; Finance; Geometry; Office Technologies; Physics; Speech/Communication; Statistics; Technical Writing; World Issues; World Languages	Accounting; Algebra; Pre-Calculus; Calculus; English; Physics; French; Spanish; Current Issues; Geometry; Integrated Math; Public Speaking; World History; Personal Finance; Computer Science Principles; Statistics; Marketing.	<u>Health Science</u> - careers in planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.	Advanced/Technical Algebra; Anatomy/Physiology; Biology/Biological Science; Calculus; Certified Nurses Aide Training; Chemistry; Health Science & Healthcare; Medical Ethics; Medical Math; Medical Terminology; Microbiology; Nutrition; Physics; Psychology; Research Methods; Research/Technical Writing; Sociology; Statistics; World Language	Algebra; Anatomy & Physiology; Anthropology; Biology; Bio Ethics; Human Biology; Pre-Calculus; Calculus; Chemistry; Physics; Psychology; Spanish; French; Forensic Science; Health; PE; Sports Psychology; Understanding Self & Relationships; Genocide; Statistics.

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<u>Hospitality and Tourism</u> - careers in the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.	Accounting; Business/Hospitality Management; Communications/Speech; Culinary Arts/Food Service; Food/Beverage Management; Hospitality & Tourism; Marketing; Nutrition; Personal Finance; Sports; World Geography/Cultures	Accounting; Psychology; Spanish; French; Band/Choir; Music Production; Culinary Arts; World History; Consumer Math; PE; Public Speaking; Sports Psychology; Marketing; Personal Finance; Health.	<u>Manufacturing</u> - careers in planning, managing and performing the processing of materials into intermediate or final products, and related professional and technical support activities.	Advanced Algebra/Calculus; Chemistry; Computer Applications; Design for Manufacturability; Electronics; Geometry; Manufacturing Occupations/Technology; Manufacturing Production Processes; Materials & Processes; Physics; Safety in the Workplace; Quality Assurance Concepts & Techniques; Woodworking	Agri-Science; Algebra; Pre-Calculus; Calculus; Chemistry; Computer Science Principles; Digital Electronics; Geometry; Integrated Math; Physics; Sewing & Fashion; Metals; Woods; Print & Book Making; Sculpture.
<u>Human Services</u> - careers that prepare individuals for employment that relates to families and human needs.	Child Growth & Development/Child Psychology; Early Childhood Education & Services; Family Life Education; Family Relations; Independent Living; Literacy & Language; Occupational Childcare; Parenting; Personal Finance; Psychology; Public Speaking; Safety & Health for Children; Sociology; Theology; World Issues	Anthropology; Psychology; Spanish; French; Child Development; Health; Public Speaking; Consumer Math; Understanding Self & Relationships; Sports Psychology; World History; Genocide; 20th Century American Culture; African American/Black & Puerto Rican/Latino Studies; Personal Finance; Current Issues	<u>Marketing, Sales and Service</u> - careers in planning, managing, and performing marketing activities to reach organizational objectives.	Accounting; Advertising; Algebra; Business & Technical Writing; Business Management; Calculus; Computer Applications; Entrepreneurship/Small Business Ownership; Marketing & Sales; Office Technology; Real Estate Practices; Research/Market Research Methods; Speech/Communication; Statistics	Accounting; Algebra; English; Integrated Math; Pre-Calculus; Calculus; Computer Science Principles; Psychology; Spanish; French; Public Speaking; Creative Writing; Journalistic Publications; Statistics; Marketing; Personal Finance; Print & Book Making.
<u>Information Technology</u> - entry level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia, and systems integration services.	Accounting; Advanced Algebra; Calculus; Computer Systems; Desktop Publishing; Economics; Geometry; Information Technology; Physics; Programming & Software Development/Design; Spreadsheet/Database Applications; Statistics; Technical Writing; Trigonometry; Webpage Design; Word Processing Applications	Accounting; Algebra; Pre-Calculus; Calculus; Computer Science Principles; English; Physics; Geometry; Integrated Math; Statistics.	<u>Science, Technology, Engineering and Mathematics (STEM)</u> - careers in planning, managing, and providing scientific research and professional/technical services, including research and development services.	Advanced Algebra/Calculus; Chemistry/Organic Chemistry; Civil Engineering & Architecture; Computer Integrated Manufacturing; Differential Equations; Digital Electronics; Engineering Design/Analysis/Processes/Innovation; Information Technology Applications; Microbiology; Physics; Speech/Communication; Statistics; Technical Writing; Trigonometry	Agri-Science; Algebra; Pre-Calculus; Calculus; Chemistry; Computer Science Principles; English; Physics; Public Speaking; Civil Engineering & Architecture; Digital Electronics; Intro to Engineering Design; Principals of Engineering; Statistics; Systems & Sustainability.
<u>Law, Public Safety and Security</u> - careers in planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.	American Government; Civics; Civil Law; Courts & the Judicial Process; Criminal Justice; Ethics & Social Issues; Information Technology Applications; Law, Public Safety, Law Enforcement Services; Political Science; Procedural Criminal Law; Psychology; Sociology; Speech/Communication	Anthropology; Psychology; English; Spanish; French; Current Issues; Understanding Self & Relationships; US History; Bio Ethics; Forensic Science; Civics; Genocide; Public Speaking.	<u>Transportation, Distribution and Logistics</u> - careers in the planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water, and related professional/technical support services.	Advanced Algebra; Applications in Transportation, Distribution & Logistics; Auto Mechanics; Calculus; Computer Applications; Energy, Power, Transportation & the Environment; Geometry; Land, Air, Water & Space Transportation Systems; Physics; Vehicular Transportation Systems	Agri-Science; Algebra; Pre-Calculus; Calculus; Physics; Geometry; Integrated Math; Digital Electronics; Environmental Science; Earth Science; Power Mechanics; Computer Science Principles; Systems & Sustainability.