

# KPS Career Pathways Connections

Career Pathways are broad groupings of careers that share similar characteristics and whose employment requirements call for many common interests, strengths, and competencies. The six Career Pathways covers all career opportunities regardless of educational requirements. National Career Clusters represents a distinct grouping of occupations and industries based on the knowledge and skills they require. The 16 Career Clusters (17 for Michigan [Energy]) were developed by the U.S. Department of Education as a way to organize career planning. KPS secondary students can learn more about career awareness, exploration, and development and postsecondary options by accessing Career Cruising on the KPS Homepage under Links>Students/Family>Career Cruising. Students can login with their student Gmail account. Students can also visit Pure Michigan Talent Connect at [www.mitalent.org](http://www.mitalent.org), Michigan Pathfinder at [www.pathfinder.mitalent.org](http://www.pathfinder.mitalent.org), and the Bureau of Labor Statistics' Occupational Outlook Handbook at [www.bls.gov/oo](http://www.bls.gov/oo) to find additional career information on hundreds of occupations.

| STATE CAREER PATHWAY  |  | NATIONAL CAREER CLUSTERS   | RECOMMENDED HIGH SCHOOL COURSES  |
|---|--|--|--|
| <b>Arts &amp; Communications</b>  | <b>Is This Career Pathway for YOU?</b>   | <b>Arts, AV Technology &amp; Communications</b>  | English Language Arts<br>Math<br>Creative Writing<br>Journalism<br>Graphic Arts<br>Visual, Performing, and Applied Arts Courses<br>Architectural Drafting and Design<br>Sports and Entertainment Mgmt.<br>Photography<br>Film and Video Arts<br>Dance<br>Fashion Design<br>Public Speaking<br>World Languages<br><i>(Also see AP, EFA, CTE, and EMC course listings)</i>   |
| Careers in this path 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   | <p><i>Are you a creative thinker? Are you imaginative, innovative, and original? Do you like to communicate ideas? Do you like making crafts, drawing, playing a musical instrument, taking photos, or writing stories? Are you interested in working in television, film, or radio? Do you like to perform or interpret music? Does computer graphics or computer animation interest you? Do you have a talent for writing? Are you visually oriented? Is artistic expression important to you?</i></p> <p><b><i>This may be the career path for YOU!</i></b></p> <p>-Michigan Department of Education</p>  | <p><b>Career Categories</b></p> <ul style="list-style-type: none"> <li>Advertising and Public Relations</li> <li>Creative Writing</li> <li>Film Production</li> <li>Foreign Languages</li> <li>Journalism</li> <li>Radio and TV Broadcasting</li> <li>Fashion Design</li> <li>Interior Design</li> </ul>   |  |
| <b>Sample Pathway Choices</b>   | <b>SAMPLE CAREERS</b>  | <b>Sample College Programs of Study</b>  |  |
| <ul style="list-style-type: none"> <li>A/V Technology and Film</li> <li>Print Technology</li> <li>Visual and Performing Arts</li> <li>Journalism and Publishing</li> <li>Broadcasting and Communications</li> <li>Telecommunications</li> <li>Architecture</li> <li>Design and Visual Communications</li> <li>Communications and Public Relations</li> <li>Music and Dance</li> <li>Theatre Arts</li> <li>Library Science</li> <li>Fashion and Design</li> <li>Producers and Directors</li> </ul> | <ul style="list-style-type: none"> <li>• Actor/Actress</li> <li>• Animator</li> <li>• Architect</li> <li>• Art Director</li> <li>• Audio Designer</li> <li>• Comedian</li> <li>• Commercial Artist</li> <li>• Composer</li> <li>• Dancer</li> <li>• Fashion Designer</li> <li>• Film Producer</li> <li>• Interior Designer</li> <li>• Journalist</li> <li>• Makeup Artist</li> <li>• Media Buyer</li> <li>• Movie Director</li> <li>• Musician</li> <li>• Network Designer</li> <li>• Playwright</li> <li>• Production Manager</li> <li>• Public Relations Ex.</li> <li>• Radio Broadcaster</li> <li>• Reporter</li> <li>• Singer</li> <li>• Sports Commentator</li> <li>• Web Designer</li> </ul> | <ul style="list-style-type: none"> <li>Fine Arts and Studio Arts</li> <li>Music Industry Management</li> <li>New Media Printing and Publishing</li> <li>Television and Digital Media Communications</li> <li>Digital Animation and Game Design</li> <li>Digital Media Software Engineering</li> <li>Graphic Design</li> <li>Broadcasting Journalism Animation</li> <li>Film &amp; Video Production</li> <li>Interior Design</li> <li>Video Game Developer</li> </ul> | <ul style="list-style-type: none"> <li>Sports Communication</li> <li>Political Communication</li> <li>Communications Technology Publishing</li> <li>Commercial Advertising Art Advertising</li> <li>Public Relations</li> <li>Visual and Performing Arts Architecture</li> <li>Musicology and Ethnomusicology</li> <li>Dance</li> <li>Musical Theatre</li> <li>Playwright and Screenwriting</li> <li>Drama and Dramatics Theatre Arts</li> </ul> |

| STATE CAREER PATHWAY   |   | NATIONAL CAREER CLUSTERS  | RECOMMENDED HIGH SCHOOL COURSES   |
|--|---|---|---|
| <b>Business, Management, Marketing &amp; Technology</b><br>Careers in this path are related to the business environment. These include entrepreneur, sales, marketing, computer/information systems, finance, accounting, personnel economics, and management.   | <b>Is This Career Path for YOU?</b><br><br><i>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, holding an office in a club, or surfing the Internet? Do you enjoy travel? Do you enjoy dining in restaurants? Do you like to cook? Do you enjoy working with computers? Do you learn new computer programs easily? Are you fascinated by technology?</i><br><br><p style="text-align: center;"><b><i>This may be YOUR career path!</i></b></p> - Michigan Department of Education  | <b>Business Management and Administration</b><br><b>Finance</b><br><b>Hospitality and Tourism</b><br><b>Information Technology</b><br><b>Marketing Sales &amp; Services</b><br><b>Career Categories</b><br>Accounting<br>Business Ownership<br>Computer/Information Systems<br>Economics<br>Finance<br>Hospitality/Tourism Mgmt.<br>Marketing<br>Office Administration<br>Personnel<br>Sales  | Accounting<br>Business Finance<br>Business Information Systems<br>Business Law<br>Computer Applications<br>Computer Science<br>Consumer Education<br>Creative Writing<br>Desktop Publishing<br>Economics<br>English Language Arts<br>Entrepreneurship<br>International Business<br>Link Crew Leadership<br>Marketing<br>Math<br>Social Studies<br>Sports and Entertainment Mgmt.<br>World Languages<br><i>(Also see AP, CTE, and EMC course listings)</i> |
| <b>Sample Pathway Choices</b><br>Banking & Related Services<br>Business Analysis<br>Buying and Merchandising<br>Business Finance and Accounting Mgmt.<br>Cyber Security<br>E-Marketing<br>Financial & Investment Services<br>Human Resources<br>Information Support and Services<br>Insurance Services<br>Interactive Media<br>Management & Entrepreneurship<br>Marketing & Communications<br>Network Systems<br>Professional Sales & Marketing<br>Programming and Software Development<br>Restaurant and Food/Beverage Services<br>Travel & Tourism | <b>SAMPLE CAREERS</b> <ul style="list-style-type: none"> <li>• Accountant</li> <li>• Administrative Assistant</li> <li>• Auditor</li> <li>• Budget Director</li> <li>• Business Teacher</li> <li>• Chef</li> <li>• Commerce Marketing Manager</li> <li>• Computer Programmer</li> <li>• Convention Manager</li> <li>• Data Analyst</li> <li>• Data Architect</li> <li>• Digital Media Specialist</li> <li>• e Business Consultant</li> <li>• Economist</li> <li>• Financial Manager</li> <li>• Gaming Developer</li> <li>• Hotel Manager</li> <li>• Human Resources Manager</li> <li>• Information Systems Manager</li> <li>• Investment Banker</li> <li>• Legal Secretary</li> <li>• Loan Officer</li> <li>• Management Analyst</li> <li>• Marketing Specialist</li> <li>• Network Administrator</li> <li>• Network Technician</li> <li>• Payroll Director</li> <li>• Research Analyst</li> <li>• Receptionist</li> <li>• Realtor</li> <li>• Salesperson</li> <li>• Software Engineer</li> <li>• Statistician</li> <li>• Technical Writer</li> <li>• Travel Agent</li> <li>• Web Administrator</li> <li>• Web Developer</li> </ul> | <b>Sample College Programs of Study</b><br>Business Statistics<br>International Marketing<br>Marketing Research<br>Management Science<br>Construction Management<br>Hospitality Administration<br>Computer Software<br>Technology<br>Organizational Communication<br>Agribusiness<br>Global Supply Chain<br>Management<br>Business Information Systems<br>Business Communications<br>Bioinformatics<br>Administrative and Secretarial Services<br>Transportation Mobility<br>Management<br>Information Technology<br>Accounting<br>Intellectual Property Law<br>Advertising<br>Sales and Marketing Operations<br>Travel, Tourism, and Hospitality<br>Public Relations<br>Financial Services<br>Computer Programming<br>Networking<br>Web Technologies<br>Business Administration<br>Human Resources Management<br>Computer Information Systems<br>Hotel Management<br>Entrepreneurship and Small Business Operations<br>International Business<br>Management Information Systems<br>Real Estate |   |
| <b>Business, Management, Marketing &amp; Technology</b>  |   |   |   |

| STATE CAREER PATHWAY   |  | NATIONAL CAREER CLUSTERS   |   | RECOMMENDED HIGH SCHOOL COURSES  |
|--|--|--|---|--|
| <b>Engineering/Manufacturing &amp; Industrial Technology</b>   |  | <b>Architecture and Construction</b>   |   | Business Finance<br>Business Law<br>Chemistry<br>Computer Programming/Science<br>Creative Writing<br>Drafting<br>Electronics and Robotics<br>English Language Arts<br>Government<br>Health<br>Industrial/Mechanical Drafting<br>International Business<br>Machine Tools<br>Math<br>Physical Sciences/Physics<br>Probability and Statistics<br>Science<br>World Languages<br><i>(Also see AP, CTE, and EMC course listings)</i>   |
| <b>Is This Career Path for YOU?</b>  |  | <b>Manufacturing</b>   |   |  |
| 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.  | <i>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 wood-working? Would you enjoy working in a laboratory? Are you good at understanding mechanics? Would you enjoy planning roads or power systems? Would you like to fly planes, drive trucks, or pilot ships?</i><br><br><b><i>This may be the career pathway for you!</i></b><br><br>-Michigan Department of Education | <b>Science, Technology, Engineering &amp; Mathematics</b>  |   |  |
|  |  | <b>Transportation, Distribution &amp; Logistics</b>  |   |  |
|  |  | <b>Career Categories</b>   |   |  |
|  |  | Architecture<br>Construction<br>Drafting<br>Engineering & Related Technologies<br>Manufacturing Technology<br>Mechanics and Repair<br>Precision Production   |   |  |
| <b>Sample Career Pathway Choices</b>   | <b>SAMPLE CAREERS</b>  | <b>Sample College Programs</b>   |   | <b>Sample College Programs of Study</b>  |
| Construction<br>Electromechanical Installation & Maintenance<br>Engineering Technology<br>Electronic Technology<br>Facility & Mobile Equipment Maintenance<br>Industrial Technology<br>Logistics Planning and Management Service<br>Maintenance/Operations<br>Maintenance, Installation & Repair<br>Manufacturing Production Process<br>Development<br>Planning, Management, & Regulations<br>Precision Metal Production<br>Precision Technology Processes<br>Production<br>Quality Assurance<br>Risk/Health and Safety Management<br>Science and Math<br>Transportation Operations<br>Transportation Systems/Infrastructure | <ul style="list-style-type: none"> <li>• Air Traffic Controller</li> <li>• Aircraft Mechanic</li> <li>• Airline Pilot</li> <li>• Architect</li> <li>• Aerospace Engineer</li> <li>• Astronaut</li> <li>• Automotive Technician</li> <li>• Carpenter</li> <li>• Chemical Engineer</li> <li>• Clothing Manufacturer</li> <li>• Computer Hardware Technician</li> <li>• Computer Scientist</li> <li>• Cost Estimator</li> <li>• Dental Lab Tech</li> <li>• Draftsman</li> <li>• Electrical Engineer</li> <li>• Electrician</li> <li>• Geographer</li> </ul>                     | <ul style="list-style-type: none"> <li>• Graphic and Printing Equipment Operator</li> <li>• Industrial Designer</li> <li>• Industrial Electronic Installer</li> <li>• Industrial Engineer Tech</li> <li>• Instrument Control Technician</li> <li>• Instrument Maker</li> <li>• Locomotive Engineer</li> <li>• Millwright</li> <li>• Nuclear Technician</li> <li>• Optometrist</li> <li>• Physicist</li> <li>• Pipefitter</li> <li>• Plumber</li> <li>• Quality Control Technician</li> <li>• Sheet Metal Worker</li> <li>• Surveyor</li> <li>• Welder</li> </ul> | Construction Management<br>HVACR Engineering Technology<br>Mechanical Engineering<br>Manufacturing Engineering<br>Geological/Geophysical Engineering<br>Engineering Physics<br>Mechanical Engineering<br>Chemical Engineering<br>Aerospace, Aeronautical, and Astronautical/Space Engineering<br>Computer Hardware/Software Engineering<br>Industrial Engineering<br>Nuclear and Industrial Management<br>Industrial Electronics Technology<br>Nanotechnology<br>Energy Auditor<br>Heating & Air Conditioning and Refrigeration Technology<br>Robotics Technology | Electrical/Electronic Engineering Technology<br>Energy Systems Engineering<br>Facility Management<br>CAD/CADD Drafting and/or Design Technology<br>Materials Engineering<br>Telecommunications Technology<br>Industrial Radiology Technology<br>Industrial Mechanics and Maintenance Technology<br>Industrial Safety Technology<br>Apparel & Textile Manufacturing<br>Civil Engineering<br>Environmental Engineering<br>Automotive Engineering<br>Mining Engineering<br>Ophthalmic Laboratory Technology<br>Biomedical Engineering |
| <b>Engineering/Manufacturing &amp; Industrial Technology</b>   |  |  |   |  |

| STATE CAREER PATHWAY   |   | NATIONAL CAREER CLUSTERS   | RECOMMENDED HIGH SCHOOL COURSES   |
|--|---|--|---|
| <b>Health Sciences</b>   | <b>Is This Career Path for YOU?</b>   | <b>Health Sciences</b>   | English Language Arts<br>Math<br>Biology<br>Social Studies<br>Psychology<br>Chemistry<br>Forensics<br>Health<br>Physical Education<br>Geography<br>Creative Writing<br>Economics<br>Physics<br>Business Law<br>Human Anatomy & Physiology<br>World Languages<br>Family & Consumer Sciences<br>Food and Nutrition<br><i>(Also see AP, CTE, and EMC course listings)</i>  |
| Careers in this path are related to the promotion of health and treatment of disease. These include research, prevention, treatment, and related health technologies.  | <p><i>Do you like to care for people or animals that are sick or help them 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? Would you enjoy teaching people how to live a healthy lifestyle? Do you pay attention to small details?</i></p> <p><b><i>This may be YOUR career path!</i></b></p> <p>-Michigan Department of Education</p>  | <b>Career Categories</b><br>Dentistry<br>Hygiene<br>Medicine<br>Nursing<br>Nutrition and Fitness<br>Therapy and Rehabilitation   |   |
| <b>Sample Career Pathway Choices</b>   | <b>SAMPLE CAREERS</b>   | <b>Sample College Programs</b>   | <b>Sample College Programs of Study</b>   |
| Therapeutic Services<br>Health Informatics<br>Diagnostic Services<br>Supportive Services<br>Information & Communications Services<br>Technology Health Sciences<br>Pharmaceutical Services<br>Medical and Health Services<br>Environmental Health<br>Occupational Health<br>Health Education<br>Home Health Care<br>Nutrition and Wellness<br>Veterinarian Science<br>Zoologists and Wildlife<br>Research and Development<br>Biomedical Engineering<br>Rehabilitation Services<br>Medical Records Technology<br>Psychological Sciences<br>Internal Medicine<br>Dental Sciences | <ul style="list-style-type: none"> <li>• Dentist</li> <li>• Dental Hygienist</li> <li>• Doctor</li> <li>• Veterinary Technician</li> <li>• Respiratory Therapist</li> <li>• Physical Therapist</li> <li>• Pharmacist</li> <li>• Coroner</li> <li>• Massage Therapist</li> <li>• Mental Health Nurse</li> <li>• Cosmetologist/Barber</li> <li>• Cardiologist</li> <li>• Anesthesiologist</li> <li>• Dermatologist</li> <li>• Health Care Administrator</li> <li>• Dietitian</li> <li>• Medical Lab Tech</li> <li>• Pediatrician</li> <li>• Rehabilitation Counselor</li> <li>• Occupational Therapist</li> <li>• Epidemiologist</li> <li>• Surgeon</li> <li>• Audiologist</li> <li>• Optometrist</li> <li>• Chiropractor</li> <li>• Sonographer</li> <li>• Medical Records Administrator</li> <li>• Biostatistician</li> <li>• Industrial Hygienist</li> <li>• EMT/Paramedic</li> <li>• Health Educator</li> <li>• Bioinformatics Scientist</li> <li>• Biomedical Engineering Technician</li> <li>• Neurologist</li> <li>• Medical Secretary</li> <li>• Obstetrician-Gynecologist</li> <li>• Orthodontist</li> <li>• Plastic Surgeon</li> <li>• Psychologist</li> <li>• Radiologist</li> <li>• Psychiatrist</li> <li>• Athletic Trainer</li> </ul> | Dental Hygienist<br>Occupational Therapist<br>Respiratory Therapy<br>Nursing<br>Cardiac Technician<br>Physical Therapist<br>Chemical Technology<br>Radiography<br>Clinical Laboratory Technology<br>Cosmetology/Barbering<br>Biotechnology<br>Health Information Management<br>Health Care Systems<br>Pharmacy<br>Nuclear Medicine Technology<br>Epidemiology<br>Medical Assistant<br>Animal Health<br>Health and Wellness<br>Holistic Health<br>Health Teacher Education<br>Pathology | Maternal and Child Health<br>Environmental Health Engineering<br>Medical Examiner<br>Medicine and Pre-Medicine<br>Cardiovascular Science<br>Biochemistry<br>Dental Clinical Sciences<br>Audiology<br>Health Service Administration<br>Clinical Research<br>Registered Nursing<br>Applied Behavior Analysis<br>Psychiatric/Mental Health Nurse<br>Nutrition Sciences<br>Food, Nutrition, and Wellness<br>Dietitian Technician<br>Family and Consumer Sciences<br>Occupational/Physical Therapist<br>Veterinarian Medicine<br>Zoology/Animal Biology<br>Microbiology and Immunology |

| STATE CAREER PATHWAY  |   | NATIONAL CAREER CLUSTERS   | RECOMMENDED HIGH SCHOOL COURSES  |
|---|---|--|--|
| <b>Human Services</b>   | <b>Is This Career Path for YOU?</b>   | <b>Human Services</b>  | Anthropology<br>Business Law<br>Debate<br>English Language Arts<br>Family and Consumer Science<br>Economics<br>Forensic Science<br>Geography<br>Government<br>Health<br>International Business<br>Law<br>Math<br>Psychology<br>Science<br>Social Studies/History<br>Sociology<br>Statistics<br>World Languages<br>(Also see AP, CTE, and EMC course listings)  |
| <p>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.</p> | <p><i>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? Do you respect the law and the rule of law? Do you think it would be exciting to work in a courtroom? Do you value public service? Are you interested in government and politics? Are you good at debating and winning arguments?</i></p> <p><b><i>This may be the career path for YOU!</i></b></p> <p>-Michigan Department of Education</p> | <b>Law, Public Safety and Security</b><br><b>Government &amp; Public Services</b><br><b>Career Categories</b><br>Child and Family Services<br>Cosmetologist<br>Education<br>Food and Beverage Service<br>Human Services<br>Law and Legal Studies<br>Law Enforcement<br>Social Services   |  |
|   |   | <b>Sample Career Pathway</b><br>Emergency and Fire Management<br>Law Enforcement Services<br>Legal Services<br>Security and Protective Services<br>Personal Care Services<br>Family and Community Services<br>Counseling and Mental Health<br>Teaching/Training<br>Early Childhood Development & Services<br>Consumer Services<br>Criminal Justice and Corrections<br>Revenue and Taxation<br>National Security<br>Foreign Service<br>Governance and Regulation<br>Military/Armed Services<br>Human and Social Services<br>Human Development<br>Education<br>Facilities Management<br>Family Studies | <b>SAMPLE CAREERS</b><br><ul style="list-style-type: none"> <li>• Anthropologist</li> <li>• Bailiff</li> <li>• Career Coach</li> <li>• Chef</li> <li>• Teacher</li> <li>• Corrections Officer</li> <li>• Federal Agent</li> <li>• Firefighter</li> <li>• Homecare Aide</li> <li>• Human Resources</li> <li>• Judge</li> <li>• Lawyer</li> <li>• Detective</li> <li>• Paralegal</li> <li>• Police Officer</li> <li>• Politician</li> <li>• Private Investigator</li> <li>• Psychiatrist</li> <li>• School Administrator</li> <li>• Translator</li> <li>• Esthetician</li> <li>• Fitness Trainer</li> <li>• Caseworker</li> <li>• Community Worker</li> <li>• Consultant</li> <li>• Cosmetologist</li> <li>• Social/Case Worker</li> <li>• Counselor</li> <li>• Criminologist</li> <li>• Barber/Cosmetologist</li> <li>• Foreign Service Officer</li> <li>• Historian</li> <li>• Intelligence Agent</li> <li>• Internal Revenue Service Agent</li> <li>• Librarian</li> <li>• Psychologist</li> <li>• Principal</li> <li>• Probation Officer</li> <li>• School Superintendent</li> <li>• Soldier or Sailor</li> <li>• Sports Psychology</li> </ul> |

| STATE CAREER PATHWAY   |   | NATIONAL CAREER CLUSTERS  | RECOMMENDED HIGH SCHOOL COURSES   |
|--|---|---|---|
| <b>Natural Resources &amp; Agriscience</b>   | <b>Is This Career Path for YOU?</b>   | <b>Agriculture, Food &amp; Natural Resources</b>  | Anthropology<br>Astronomy<br>Biology<br>Botany<br>Chemistry<br>Computer Science<br>Earth Science<br>Economics<br>English Language Arts<br>Environmental Science<br>Geography<br>Geology<br>International Business<br>Math<br>Physics<br>Science<br>Social Studies<br>World Languages<br>(Also see AP, CTE, and EMC course listings)   |
| 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.   | <p><i>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? Are you interested in geology and mining?</i></p> <p><b><i>This could be YOUR career path!</i></b></p> <p>-Michigan Department of Education</p>  | <b>Career Categories</b><br>Agriculture<br>Animal Health Care<br>Earth Sciences<br>Environmental Science<br>Fisheries Management<br>Forestry<br>Horticulture<br>Life Sciences<br>Wildlife Management  |   |
| <b>Sample Career Pathway Choices</b>   | <b>SAMPLE CAREERS</b>   | <b>Sample College Programs of Study</b>   | <b>Sample College Programs of Study</b>   |
| Natural Resource Systems<br>Environmental Services<br>Plant Systems<br>Animal Systems<br>Agribusiness Systems<br>Power, Structural & Technical Systems<br>Horticulture, Landscaping, and Groundskeeping<br>Mining and Operations<br>Agriculture Sciences, Processes and Support Services<br>Forestry Services<br>Wildlife Systems<br>Horticulture Systems<br>Astronomy<br>Geosciences<br>Civil Engineering<br>Anthropological Sciences<br>Fisheries Sciences<br>Conservation Sciences<br>Mining Technologies | <ul style="list-style-type: none"> <li>• Farmer</li> <li>• Oceanographer</li> <li>• Physicist</li> <li>• Landscaper</li> <li>• Marine Biologist</li> <li>• Conservation Agent</li> <li>• Chemist</li> <li>• Forester</li> <li>• Biologist</li> <li>• Geographer</li> <li>• Atmospheric Scientist</li> <li>• Archeologist</li> <li>• Agricultural Educator</li> <li>• Agricultural Technician</li> <li>• Agricultural Engineer</li> <li>• Astronomer</li> <li>• Arborist</li> <li>• Climatologist</li> <li>• Meteorologist</li> <li>• Food Inspector</li> <li>• Mining Engineer</li> <li>• Aquaculturist</li> <li>• Animal Breeder</li> <li>• Logger</li> <li>• Fish &amp; Game Warden</li> <li>• Groundskeeper</li> <li>• Greenhouse Manager</li> <li>• Farm Manager</li> <li>• Animal Trainer</li> <li>• Geologist</li> <li>• Engineering Geologist</li> <li>• Biochemist</li> <li>• Ecologist</li> <li>• Wildlife Technician</li> <li>• Hydrologist</li> <li>• Agronomist</li> <li>• Paleontologist</li> <li>• Seismologists</li> <li>• Oceanographer</li> <li>• Geochemist</li> <li>• Geophysicists</li> </ul> | Animal/Livestock Husbandry and Production<br>Animal Sciences<br>Crop Production<br>Forest Resources Production and Management<br>Fishing and Fisheries Sciences and Management<br>Chemistry<br>Biology<br>Biochemistry<br>Geology<br>Natural Resources Management Policy<br>Natural Resources Law Enforcement and Protection Services<br>Ecology<br>Environmental Biology<br>Conservation Biology<br>Plant Sciences | Environmental Engineering Technology<br>Botany/Plant Biology<br>Water Quality and Wastewater Treatment Management<br>Atmospheric Physics and Dynamics<br>Atmospheric Sciences<br>Meteorology<br>Applied Mathematics<br>Soil Chemistry and Physics<br>Agricultural Engineering<br>Food Science<br>Food Technology and Processing<br>Agricultural Economics<br>Geoscience<br>Anthropology<br>Archeology<br>Civil Engineering<br>Agroecology and Sustainable Agriculture<br>Mining and Mineral Engineering |
| <b>Natural Resources &amp; Agriscience</b>   |   |   |   |