

Kentucky's 14 Career Clusters

Career Clusters provide a way for schools to organize instruction and student experiences around 14 broad categories that encompass virtually all occupations from entry through professional levels.

The 14 Clusters, sample occupations/majors and elective classes at Campbell County High School that correspond to each cluster are:

AGRICULTURE: prepares and supports individuals for careers, build awareness, and develop leadership for the food, fiber, and natural resource systems.

Occupations: Environmental Engineer, Agriculture Teacher, Animal Scientist, Biochemist Agricultural Sales, Food Scientists

Electives to take: Zoology, Anatomy, Chemistry or Chemistry in the Community, Nutrition and Wellness, Microbiology, Wildlife Science, Intro to Agriscience, Physics, Floral Design, Landscaping & Turf Management, Greenhouse Technology, Animal Science, Advanced Plant Science, Equine Science, Small Animal Veterinary Science, Leadership Dynamics, AP Physics

ARTS & HUMANITIES: prepares individuals for creating, performing, and conducting literacy, artistic, entertaining, and sporting activities, or to explore man and his culture through the study of philosophy, religion, literature, or language.

Occupations: Actor-Actress, Video Professor, Journalist, Audio Engineer, Telecommunications, Technologist, Printer/Graphics

Electives to take: Band, Choir, Music Appreciation, Theatre I, Theatre II, Ceramics/Sculpture, Sculpture, Basic Painting, Basic Drawing, Art History, Printmaking, Fiber Arts, Intermediate Art, Advanced Art, Acting Fundamentals, VPA, Musical Theatre, Stagecraft & Design, Photography, Film History & Appreciation, Jewelry Arts, Sr. Art Independent Study, Music History/Theory, AP Studio Art, AP Music Theory, Intro. To Dance Performance

BUSINESS & MARKETING: Prepares individuals to perform managerial, research, and technical support functions of business and prepares individuals to plan and execute the buying, selling, promotion and distribution of ideas, goods, and services.

Occupations: Human Resource Administrator, Administrative Support Specialist, Financial Analyst, Sales Associate, Entrepreneur, Marketing Director

Electives to take: Intro to Business & Marketing, Computer Technology Applications, Business Law, Accounting I & II, Sports & Entertainment Marketing, Leadership Dynamics, Web Page Design, Financial Services I & II, Business Management, Multimedia Publishing, Yearbook I & II, Microsoft Office Certification, Advertising Services, Retail Marketing, Management Skills, Technology Design, Computer Programming, Work Based Learning Program, Transition Math

COMMUNICATIONS: prepares individual to apply technical knowledge and skills to effectively communicate ideas and information.

Occupations: Graphic Designer/Commercial Artist, Technician, Telecommunications Director, Electronic Engineer, Architect, Radio & Television, Digital Media Specialist

Electives to take: Intro to Business & Marketing, Computer Technical Applications, Sports & Entertainment Marketing, Leadership Dynamics, Webpage Design, Business Management, Multimedia Publishing, Microsoft Office Certification, Advertising Services/Travel & Tourism, Retail Marketing, Foreign Language, FACS Life Skills, Fashion & Interior Design I & II, Foundations of Technology, Technology Design, Advanced Design Applications, Advanced Technology Applications, Computer Programming, Engineering Design, Special Technology Topics, Oral Communications, Journalism, Communications Media, Advanced Communications Media, Physics, Psychology, AP Psychology, Art I, Drawing, Painting, Art History, Music History/Theory, AP Studio Art, AP Music Theory, Intro to Dance Performance

CONSTRUCTION: prepares individuals to apply technical knowledge and skills in the constructing, inspecting, and maintaining of structures and related properties.

Occupations: Contractor, Architect, Electrician, Heavy Equipment, Operator, Carpenter, Plumber

Electives to take: Leadership Dynamics, Foundations of Technology, Advanced Design Applications, Engineering Design, Special Technology Topics, Technology Design, Landscaping & Turf Management, Intro to Business Management, Money Skills/Relationships, Work Based Learning, Transition Math

EDUCATION: prepares individuals for the practice of learning and teaching, and related research, administrative and support services.

Occupations: Teacher, School Counselor, College Professor, Corporate Trainer, School Librarian

Electives to take: Principles of Teaching, Child/Human Development & Parenting, Child Care Services I & II, Money Skills/Relationships, Foundations of Technology, Oral Communications, Communications Media & Adv. Communications Media, Journalism, Psychology/AP Psychology, Leadership Dynamics, Computer Technology Applications, Government & Politics, Community & Health

HEALTH SCIENCE: prepares individuals to apply technical knowledge and skills for maintenance of health, prevention of illness, and care of the ill.

Occupations: Pediatrician, Physical Therapist, Radiological Technologist, Occupational Therapist, Medical Assistant, Hospital Administrator

Electives to take: Psychology, Money Skills/Relationships, Computer & Technology Applications, Child/Human Development & Parenting, Microbiology, Medical Terms & Disease, Anatomy & Physiology, AP Biology, AP Chemistry, Physics, Business Management, Community Health, Physical Education II & III, Principles of Teaching, Life Skills, Peer Tutoring/Special Needs, AP Physics

HUMAN SERVICES: prepares individuals for employment in occupations that relate to families and human needs.

Occupations: Social Worker, Psychologist, Child Care Worker, Substance Abuse Specialist, Interior Designer, Dietician

Electives to take: Retail Marketing, Principles of Teaching, Business Management, Intro to Business & Marketing, Life Skills, Money Skills/Relationship, Child/Human Development & Parenting, Child Care Services I & II, Oral Communications, Medical Terms and Disease, Community Health, PE II & III, AP Human Geography, Psychology, AP Psychology, Peer Tutoring/Special Needs

INFORMATION TECHNOLOGY: prepares individuals to apply technical knowledge and skills in the rapidly growing occupational fields of computer networking, programming, digital media, support services and e-commerce/web design.

Occupations: Software Information, Network Administrator, Web Designer/Developer, Database Manager, Technical Writer, Multimedia Producer

Electives to take: Computer Programming, Computer & Technical Applications, Webpage Design, Multimedia Publishing, Microsoft Office Certification, Work Based Learning, Leadership Dynamics, Intro to Business & Management, Yearbook I & II

MANUFACTURING: Prepare individuals to apply technical knowledge and skills in the production, maintenance, assembly, or repair of products.

Occupations: Machinist, Manufacturing Engineer, Automated Process Technician, Welding Technician, Quality Technician

Electives to take: Technology Design, Advanced Design Applications, Advanced Technology Applications, Special Technology Topics, Leadership Dynamics, Computer Technical Applications

PUBLIC SERVICES: Prepare individuals to analyze, manage, and deliver public service programs including protective services such as police, fire and safety, postal services, and public utilities.

Occupations: Attorney, Firefighter, Police Officer, Forensic Technician, Paramedic, *Paralegal*

Electives to take: Intro to Business, Computer Technology, Business Law, Leadership Dynamics, Business Management, Foreign Language, FACS Life Skills, Money Skills/Relationships, Child/Human Development & Parenting, Child Care Services, Food & Nutrition, Foundations of Technology, Creative Writing, Art of Thinking & Rhetoric, Oral Communications, Communication Media & Communication Media Advanced, Crime Scene Science/Criminal Justice, Microbiology, Medical Technology, Anatomy & Physiology, US Government & Politics, International Politics/American Government, Psychology, Acting Fundamentals, Photography

SCIENCE & MATHEMATICS: prepare individuals to apply scientific principles and mathematical knowledge and technical skills to research and development.

Occupations: Chemical Engineer, Mathematician, Pharmacologist, Electrical Engineer, Biologist, Meteorologist

Electives to take: Greenhouse Technology, Wildlife Management, Computer & Technology Applications, Leadership Dynamics, Foreign Language, Money Skills/Relationships, Technology Design, Advanced Design Applications, Engineering Design, Special Technology Topics, Oral Communications, Microbiology, AP Chemistry, AP Biology, Medical Terminology & Disease, Physics, AP Calculus, Advanced Topics in Mathematics, AP Statistics, AP Physics, Transition Plan

SOCIAL SCIENCES: prepares individuals to study people and the culture in which they live, and to conduct research into human behavior including abnormal behavior politics language, lifestyle, and work.

Occupations: Legislator, Social Worker, Policy/Budget Analyst, Recreation/Parks Director, State/Federal Agency Director, Urban Planner

Electives to take: Intro to Business & Management, Computer & Technology Applications, Business Law, Sports & Entertainment Marketing, Leadership Dynamics, Financial Services I & II, Business Management, Multimedia Publishing, Accounting I & II, Microsoft Office Certification, Advertising Services/Travel, Retail Marketing, Foreign Language, Floral Design, Landscape & Turf Management, Greenhouse Technology, Wildlife Management, FACS Life Skills, Money Skills/Relationships, Child/Human Development & Parenting, Child Care Services I & II, Food & Nutrition, Foundations of Technology, Advanced Design Applications, Engineering Design, Creative Writing, Oral Communications, Communications Media, Communications Media Advanced, AP Calculus, Advanced Math/Pre Calculus, Advanced Topics in Mathematics, Psychology, AP Psychology, AP US Government & Politics, International Politics & American Government

TRANSPORTATION: Prepare individuals to apply technical knowledge and skills to maintain and repair aircraft, land vehicles, marine vessels, construction equipment and portable power equipment, and to provide other services for transporting people or materials.

Occupations: Pilot, Automotive, Logistics Manager, Flight Attendant, Warehouse Manager, Truck Driver

Electives to take: Advertising Services/Travel & Tourism, Leadership Dynamics, Intro to Business & Management, Oral Communications, Money Skills, Work Based Learning, Computer Technology Applications, Transition Math