Kansas Career Fields and Clusters Model

**Foundation Knowledge and Skills**

**Academic and Technical Skills**

- Employability
- Ethics
- Systems
- Interpersonal
- Career Development
- Problem Solving
- Critical Thinking

**Industrial, Manufacturing, and Engineering Systems**

- Information Technology
  - Audio/Video Techniques
  - Journalism and Broadcasting
  - Performing Arts
  - Printing Techniques
  - Telecommunications Techniques
  - Visual Arts

- Transportation, Distribution, and Logistics
  - Facility and Mobile Equipment Maintenance
  - Health, Safety, and Environmental Management
  - Logistics Planning and Management Services
  - Sales and Services
  - Transportation Operations
  - Transportation Systems Infrastructure Planning, Management, and Regulation
  - Warehousing and Distribution Center Operations

- Science, Technology, Engineering, and Mathematics
  - Engineering and Technology
  - Science and Math (Investigative, Informational, and Educational)

- Health Science
  - Biotechnology Research and Development
  - Diagnostic Services
  - Supportive Services
  - Health Informatics
  - Therapeutic Services

- Human Resources and Services
  - Information Support and Services
  - Web and Digital Communications
  - Network Systems
  - Programming and Software Development

- Business, Marketing, and Management
  - Business Management and Administration
    - Administrative Services
    - Business Information Management
    - Human Resources Management
    - General Management
    - Operations Management
  - Hospitality and Tourism
    - Lodging
    - Recreation, Amusements, and Attractions
    - Restaurants and Food and Beverage Services
    - Travel and Tourism
  - Marketing
    - Merchandising
    - Marketing Management
    - Marketing Communications
    - Marketing Research
    - Professional Selling

- Agriculture, Food, and Natural Resources
  - Animal Systems
  - Agribusiness Systems
  - Biotechnology in Agriculture
  - Environmental Service Systems
  - Food Products and Processing Systems
  - Natural Resources Systems
  - Plant Systems
  - Power, Structural, and Technical Systems

- Environmental and Agriculture Systems
  - Construction
  - Design and Pre-construction
  - Maintenance and Operations

- Health Science
  - Biotechnology Research and Development
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  - Therapeutic Services

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  - Information Support and Services
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  - Plant Systems
  - Power, Structural, and Technical Systems
Career Preparation & Applications
- Advanced academic and technical education
- Career-specific training
- Employer-recognized certification and licensure
- Apprenticeships
- Cooperative education
- Internships
- Mentorships
- Part-time work
- Service learning
- Matriculation from secondary to post-secondary programs
- Career student organizations

Career Preparation & Applications
- Advanced academic and technical education
- Career-specific training
- Employer-recognized certification and licensure
- Career program of study
- Career academies
- Individual Career and Education Plans (ICEPs)
- Revised annually
- Career student organizations
- Work-based learning
- Workplace readiness classes
- High school "senior experiences"
- Articulation linking secondary and post-secondary study
- Mentors
- Part-time work
- Service learning

Career Exploration
- Career courses
- Career research
- Job shadowing
- Individual Career and Education Plans (ICEPs)

Career Awareness
- Introduction to career clusters and career fields
- Career fairs
- Career days
- Classroom guest speakers
- Field trips