

2026 – 2027 KSDE CTE Resource Guide



Kansas leads the world in the success of each student.

2026-2027 KSDE CTE Resource Guide

The Kansas State Department of Education (KSDE) Career and Technical Education (CTE) Resource Guide is a comprehensive guide containing relevant information regarding career opportunities available for Kansas students to explore.

Career and Technical Education is organized into educational activities that offer a sequence of courses.

This provides individuals with the rigorous academic content and relevant technical knowledge and skills needed to prepare for further education and careers in current or emerging professions, which may include high-skill, high-wage or in-demand industry sectors or occupations.

In Kansas, we focus on six industries. Throughout this guide they are consistently identified by colors and icons. Occupations are then organized around knowledge and skills that have common characteristics and job duties, known as career clusters. Kansas identifies a total of 13 broad career clusters. Additionally, 31 career pathways represent the career, education and training options available to students in each of these industries. On the next page you will find the “Kansas CTE Sunflower” image, along with a list of industries listed in bold, and the clusters italicized with the pathways listed below each of them.



OVERALL RESOURCES

- [Cluster Handbook SY 2026-2027](#)
- [Career Ready Practices and CTE Course Competencies](#)
- [Kansas Labor Information Center \(KLIC\) - Career Posters \(ks.gov\)](#)
- [Kansas Labor Information Center \(KLIC\) - Occupational Employment Demand \(formerly High Demand Occupations\)](#)
- [K-12 : Student Resources : U.S. Bureau of Labor Statistics \(bls.gov\)](#)
- [My Next Move](#)
- [O*NET OnLine \(onetonline.org\)](#)
- [Today's Occupations \(ks.gov\)](#)

POSTSECONDARY CREDITS

Under the Excel in Career Technical Education Initiative, Kansas high school students qualify for state-funded college tuition in approved technical courses offered by Kansas technical and community colleges.

- [Excel in CTE Initiative \(kansasregents.org\)](#)
- [Tiered Technical Courses at Kansas Community and Technical Colleges \(ksde.gov\)](#)

POSTSECONDARY PROGRAMS

- [Kansas DegreeStats - Kansas Board of Regents \(ksdegreestats.org\)](#)
- [Degree Stats Lesson \(ksde.gov\)](#)
- [K-TIP Report \(kansasregents.org\)](#)
- [Program Alignment \(kansasregents.org\)](#)
- [Kansas Post-Secondary Exploration Guide \(ksde.gov\)](#)

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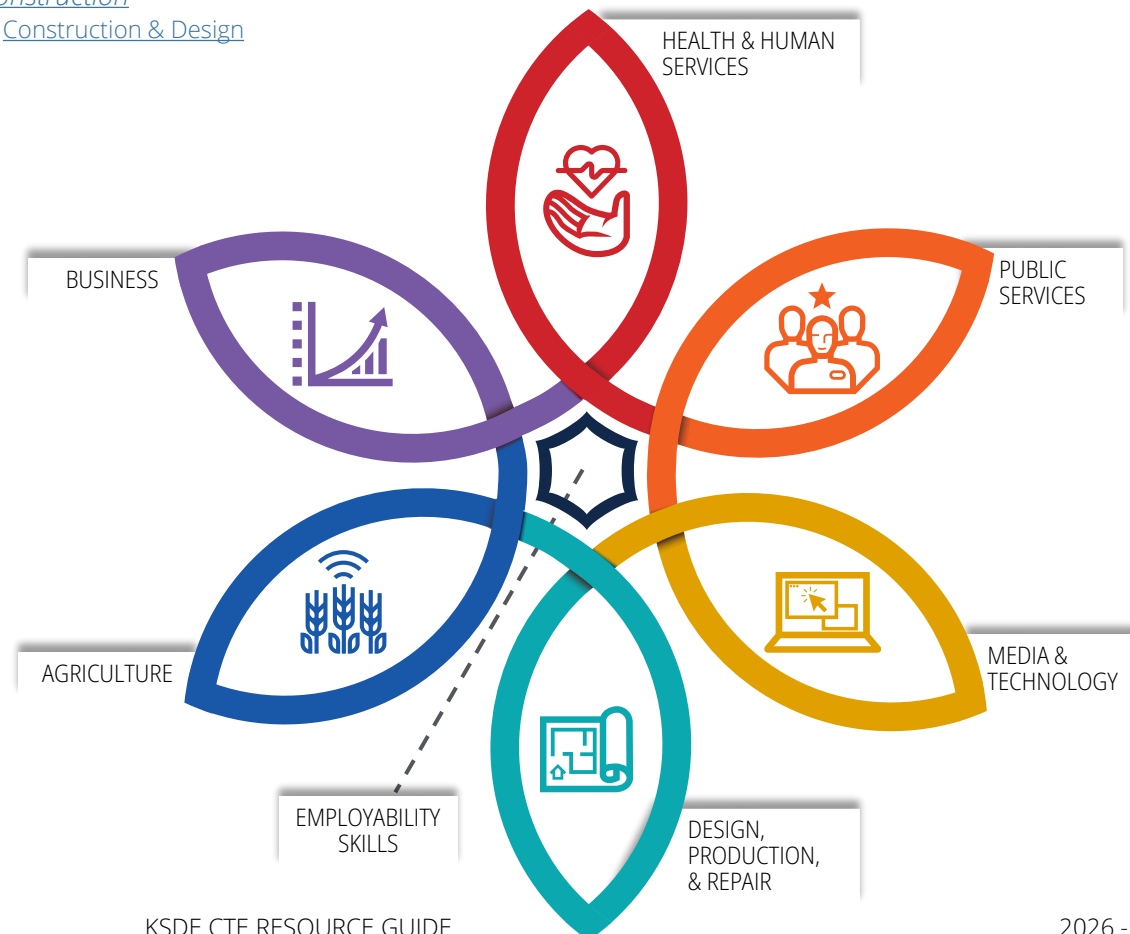
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Health & Human Services

| Healthcare & Human Services



HEALTH & HUMAN SERVICES INDUSTRY

Healthcare & Human Services

Health Science

"Caring for Communities"

Occupation Overview

Occupations & Degrees	Median Annual Wage
H.S. Diploma or Non-Degree Award	
Home Health & Personal Care Aides	\$29,190
Nursing Assistants	\$36,910
Social & Human Service Assistants	\$40,540
Medical Secretaries & Administrative Assistants	\$39,540
Medical Assistants	\$39,090
Pharmacy Technicians	\$39,210
Associate's Degree	
*Physical Therapist Assistant	\$63,010
*Radiologic Technologies & Technicians	\$68,740
*Occupational Therapy Assistants	\$64,880
*Licensed Practical & Vocational Nurses	\$59,920
*Dental Hygienists	\$82,060
H.S. Diploma & Work Experience or Bachelor's Degree	
*Child, Family, & School Social Workers	\$48,950
*Substance Abuse, Behavioral Disorder, & Mental Health Counselors	\$50,990
Bachelor's, Master's, or Doctoral/Professional Degree	
*Clinical Laboratory Technologists Technicians	\$60,470
*Healthcare Social Workers	\$64,280
*Registered Nurses	\$78,060
*Medical & Health Services Managers	\$104,990
*Nurse Practitioners	\$124,690
*Pharmacists	\$134,350

* High Demand, High Wage
Source: [Kansas Labor Information Center \(KLIC\) - Career Posters \(ks.gov\)](https://ks.gov/kLIC/)



Health Science

Pathway

INTRODUCTORY LEVEL COURSES

- Chemistry
- Introduction to Health Care

TECHNICAL LEVEL COURSES

- Anatomy & Physiology
- Medical Terminology

APPLICATION-LEVEL COURSES

- Certified Nursing Assistant
- Health Care Work Experience I
- Health Care Work Experience II

OCCUPATIONS

- Clinical Laboratory Technologists & Technicians
- Dental Assistants
- Dental Hygienists
- Diagnostic Medical Sonographers
- Health Technologists & Technicians (All Other)
- Home Health & Personal Care Aides
- Licensed Practical & Licensed Vocational Nurses
- Medical Assistants
- Medical Clinical Laboratory Technicians
- Medical & Health Services Managers
- Medical Records Specialists
- Medical Scientists (except Epidemiologists)
- Medical Secretaries & Administrative Assistants
- Nursing Assistants
- Nurse Practitioners
- Occupational Therapists
- Occupational Therapy Assistants
- Pharmacists
- Pharmacy Aides
- Pharmacy Technicians
- Phlebotomists
- Physical Therapist Assistants
- Physical Therapists
- Physician Assistants
- Physicians (All Other)
- Physician Assistants
- Psychiatric Technicians
- Radiologic Technologists & Technicians
- Respiratory Therapists
- Registered Nurses
- Speech-Language Pathologists
- Surgical Technologists
- Veterinary Technologists & Technicians

"Caring for Communities"

This pathway focuses on the health professions and related clinical sciences. It includes planning, managing, and providing therapeutic services, diagnostic services, health informatics, and support services.

Occupations & Degrees	Median Annual Wage
Postsecondary Nondegree Award	
Pharmacy Aides	\$28,800
Home Health & Personal Care Aides	\$29,190
Nursing Assistants	\$36,910
Psychiatric Technicians	\$37,700
Medical Secretaries & Administrative Assistants	\$39,540
Medical Assistants	\$39,090
Phlebotomists	\$38,330
Pharmacy Technicians	\$39,210
Dental Assistants	\$39,840
* Medical Records Specialists	\$48,670
* Health Technologists & Technicians (All Other)	\$59,780
* Surgical Technologists	\$57,580
* Licensed Practical & Licensed Vocational Nurses	\$59,920
Associate's Degree	
Veterinary Technologists & Technicians	\$37,350
* Physical Therapist Assistants	\$63,010
* Radiologic Technologists & Technicians	\$68,740
* Occupational Therapy Assistants	\$64,880
* Respiratory Therapists	\$73,580
* Dental Hygienists	\$82,060
* Diagnostic Medical Sonographers	\$88,170
Bachelor's Degree	
* Clinical Laboratory Technologists & Technicians	\$60,470
* Registered Nurses	\$78,060
* Medical & Health Services Managers	\$104,990
Master's Degree	
* Speech-Language Pathologists	\$81,360
* Occupational Therapists	\$97,000
* Physician Assistants	\$124,440
* Nurse Practitioners	\$124,690
Doctoral or Professional Degree	
* Physical Therapists	\$98,840
* Pharmacists	\$134,350
* Physicians (All Other)	\$140,330

* High Demand, High Wage

Sources:

- [Kansas Labor Information Center \(KLIC\) - Career Posters \(ks.gov\)](#)
- [Kansas Labor Information Center \(KLIC\) - High Demand Occupations \(ks.gov\)](#)

[Continued on next page](#) ➔



Health Science

Pathway (continued)

HIGH SCHOOL ASSESSMENTS, CREDENTIALS, OR CERTIFICATIONS

- American Red Cross/American Heart Association: Advanced Life Support (ACLS/ALS)
- American Red Cross/American Heart Association: Automated External Defibrillator (AED)
- American Red Cross/American Heart Association: Basic Life Support (BLS)
- American Red Cross/American Heart Association: Cardiopulmonary Resuscitation (CPR)
- American Red Cross/American Heart Association: Cardiopulmonary Resuscitation (CPR) (Infant/ Child)
- American Red Cross / American Heart Association: First Aid
- American Red Cross/American Heart Association: Pediatric Advanced Life & Support (PALS)
- CareerSafe: OSHA Safety Certification (10 Hour)
- KS Dept. for Aging & Disability Services: Certified Medical Aide (CMA)
- KS Dept. for Aging & Disability Services: Home Health Aide
- KS Emergency Medical Services Association: Emergency Medical Responder (EMR) (First Responder)
- National Consortium for Health Science Education: National Health Science Assessment
- National Health Career Association/National Center for Competency Testing: American Medical Certification Association EKG/ECG/ECT Technician
- NC3: Data Analytics/Harnessing the Power of Data
- NHA/AMCA: Certified Patient Care Technician (CPCT/A)

POSTSECONDARY ASSESSMENTS, CREDENTIALS, OR CERTIFICATIONS

- KS Board of Pharmacy/Pharmacy Technician Certification Board: Pharmacy Technician
- KS Dental Board: Dental Assistant
- KS Dept. for Aging & Disability Services: Certified Nurse Aide (CNA)
- KS Emergency Medical Services Association: Emergency Medical Technician (EMT)
- National Health Career Association/American Society for Clinical Pathology/American Medical Certification Association: Phlebotomy Technician

POSTSECONDARY CREDITS

Under the Excel in Career Technical Education Initiative, Kansas high school students qualify for state-funded college tuition in approved technical courses offered by Kansas technical and community colleges.

- [Excel in CTE Initiative \(kansasregents.org\)](https://kansasregents.org)
- [Tiered Technical Courses \(ksde.gov\)](https://ksde.gov)

POSTSECONDARY PROGRAMS

- [Kansas DegreeStats \(ksdegreestats.org\)](https://ksdegreestats.org)
- [Degree Stats Lesson \(ksde.gov\)](https://ksde.gov)
- [K-TIP Report \(kansasregents.org\)](https://kansasregents.org)
- [Program Alignment \(kansasregents.org\)](https://kansasregents.org)
- [Kansas Post-Secondary Exploration Guide \(ksde.gov\)](https://ksde.gov)

RESOURCES

- [Common Career Technical Core & CTE Course Competencies \(ksde.gov\)](https://ksde.gov)
- [Health Science Career Cluster \(onetonline.org\)](https://onetonline.org)
- [Health Science Advance CTE \(careertech.org\)](https://careertech.org)
- [Careers in Health Science \(MyNextMove.org\)](https://MyNextMove.org)
- [Kansas Labor Information Center \(KLIC\) - Career Posters \(ks.gov\)](https://ks.gov)
- [Kansas Labor Information Center \(KLIC\) – High Demand Occupations \(ks.gov\)](https://ks.gov)
- [Today's Occupations \(ks.gov\)](https://ks.gov)
- [Cool Careers: Registered Nurse \(HirePaths.com\)](https://hirepaths.com)
- [Cool Careers: Medical Imaging Technician \(HirePaths.com\)](https://hirepaths.com)

STUDENT ORGANIZATION

- [Kansas Health Occupations Students of America \(HOSA\)](https://hosa.org)





Public Services

| Education



PUBLIC SERVICES INDUSTRY

Education

Teaching / Training

"Caring for Communities"

Occupation Overview

Occupations & Degrees	Median Annual Wage
H.S. Diploma or Associate Degree	
Teaching Assistants (except Postsecondary)	\$27,960
Tutors	\$33,420
Preschool Teachers (except Special Education)	\$43,200
Bachelor's Degree	
*Elementary School Teachers (except Special Education)	\$50,820
*Kindergarten Teachers (except Special Education)	\$54,230
*Middle School Teachers (except Special & Career / Technical Education)	\$58,820
*Secondary School Teachers (except Special & Career / Technical Education)	\$58,770
Master's Degree	
*Educational, Guidance, & Career Counselors & Advisors	\$58,430
*Instructional Coordinators	\$62,310
*Education Administrators (Kindergarten through Secondary)	\$97,000
*Education Administrators (Postsecondary)	\$105,870

* High Demand, High Wage

Source: [Kansas Occupational Employment Demand](#)

Teaching / Training

Pathway

"Caring for Communities"



Teaching and Training encompasses teaching and instructional design roles across diverse educational levels, from kindergarten through Grade 12 (K-12) to adult learning. This field includes integrating educational technology and emerging teaching methods into curriculum development and delivery. Careers in this Sub-Cluster also involve providing professional development and training for educators while facilitating learning experiences, and they involve providing coaching for individuals and groups. This field promotes lifelong learning in various settings, including schools, colleges, corporate environments, and community organizations.

INTRODUCTORY LEVEL COURSES

- Career & Life Planning

TECHNICAL LEVEL COURSES

- Teaching as a Career
- Coaching and Leadership
- Teaching Observation

APPLICATION-LEVEL COURSES

- Teaching Internship
- Educational Leadership

OCCUPATIONS

- Coaches & Scouts
- Educational Administrators (Kindergarten through Secondary)
- Education Teachers (Postsecondary)
- Education Administrators (Postsecondary)
- Educational, Guidance, & Career Counselors & Advisors
- Elementary School Teachers (except Special Education)
- Instructional Coordinators
- Kindergarten Teachers (except Special Education)
- Middle School Teachers (except Special & Career/Technical Education)
- Preschool Teachers (except Special Education)
- Secondary School Teachers (except Special & Career/Technical Education)
- Self-Enrichment Teachers
- Special Education Teaching Assistants
- Substitute Teachers (Short-Term)
- Teaching Assistants (except Postsecondary)

OCCUPATIONS (continued)

- Teachers & Instructors (All Other)
- Tutors

Occupations & Degrees	Median Annual Wage
H.S. Diploma or Associate's Degree	
Teaching Assistants (except Postsecondary)	\$27,690
Tutors	\$33,420
Self-Enrichment Teachers	\$36,780
Bachelor's Degree	
Substitute Teachers (Short-Term)	\$32,460
* Coaches & Scouts	\$40,040
* Elementary School Teachers (except Special Education)	\$50,820
* Kindergarten Teachers (except Special Education)	\$54,230
* Middle School Teachers (except Special & Career/Technical Education)	\$58,820
* Secondary School Teachers (except Special & Career/Technical Education)	\$58,770
* Teachers and Instructors (All Other)	\$81,850
Master's Degree & Internship/Residency	
* Educational, Guidance, & Career Counselors & Advisors	\$58,430
* Instructional Coordinators	\$62,310
* Education Administrators (Kindergarten through Secondary)	\$97,000
* Education Administrators (Postsecondary)	\$105,870

* High Demand, High Wage

Sources:

- [Kansas Labor Information Center \(KLIC\) - Career Posters \(ks.gov\)](https://ks.gov)
- [Kansas Labor Information Center \(KLIC\) - High Demand Occupations \(ks.gov\)](https://ks.gov)

HIGH SCHOOL ASSESSMENTS, CREDENTIALS, OR CERTIFICATIONS

- AAFCS (pre-PAC): Education Fundamentals
- CareerSafe: OSHA Safety Certification (10 Hour)
- Master Teacher, Inc: Paraeducator assessment (Parts 1 & 2 - must take both)
- NC3: Data Analytics/Harnessing the Power of Data

POSTSECONDARY CREDITS

Under the Excel in Career Technical Education Initiative, Kansas high school students qualify for state-funded college tuition in approved technical courses offered by Kansas technical and community colleges.

- [Excel in CTE Initiative \(ksde.org\)](https://ksde.org)
- [Tiered Technical Courses \(ksde.org\)](https://ksde.org)

POSTSECONDARY PROGRAMS

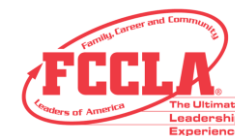
- [Kansas DegreeStats \(ksdegreestats.org\)](https://ksde.org)
- [Degree Stats Lesson \(ksde.gov\)](https://ksde.org)
- [K-TIP Report \(kansasregents.org\)](https://ksde.org)
- [Program Alignment \(kansasregents.org\)](https://ksde.org)
- [Kansas Post-Secondary Exploration Guide \(ksde.org\)](https://ksde.org)

RESOURCES

- [Common Career Technical Core & CTE Course Competencies \(ksde.gov\)](https://ksde.org)
- [Education & Training Career Cluster \(onetonline.org\)](https://onetonline.org)
- [Education & Training Advance CTE \(careertech.org\)](https://careertech.org)
- [Careers in Education & Training \(MyNextMove.org\)](https://MyNextMove.org)
- [Kansas Labor Information Center \(KLIC\) - Career Posters \(ks.gov\)](https://ks.gov)
- [Kansas Labor Information Center \(KLIC\) - High Demand Occupations \(ks.gov\)](https://ks.gov)
- [Today's Occupations \(ks.gov\)](https://ks.gov)
- [Cool Careers: Elementary Teacher \(HirePaths.com\)](https://hirepaths.com)

STUDENT ORGANIZATION

- [Family, Community and Career Leaders of America \(FCCLA\)](https://fccla.org)





Media & Technology

| Digital Technology



MEDIA & TECHNOLOGY INDUSTRY

Digital Technology

Media Design & Communications

"Connecting and Supporting Success"

Occupation Overview

Occupations & Degrees	Median Annual Wage
H.S. Diploma or Short-Term On-the-Job Training or Some College & Moderate-Term On-the-Job Training	
Receptionists & Information Clerks	\$35,320
*Computer User Support Specialist	\$50,870
Bachelor's Degree	
*Network & Computer Systems Administrators	\$82,150
*Software Quality Assurance Analysts & Testers	\$83,070
*Computer Programmers	\$91,600
*Computer Systems Analysts	\$97,300
*Software Developers	\$106,660
Bachelor's Degree & 5 Years or More Work Experience	
*Computer Network Architects	\$100,910
*Computer & Information Systems Managers	\$154,830

* High Demand, High Wage

Source: [Kansas Labor Information Center \(KLIC\) - Career Posters \(ks.gov\)](https://ks.gov/kLIC/)



Media Design & Communications

Pathway

"Connecting and Supporting Success"

This pathway prepares individuals to apply HTML, XML, Javascript, graphics applications, and other authoring tools to the design, editing, and publishing (launching) of documents, images, graphics, sound, and multimedia products on the World Wide Web. It includes instruction in Internet theory, web page standards and policies, elements of web page design, user interfaces, vector tools, special effects, interactive and multimedia components, search engines, navigation, morphing, e-commerce tools, and emerging web technologies.

INTRODUCTORY LEVEL COURSES

- Computer Applications

TECHNICAL LEVEL COURSES

- Graphic Design II
- Web Design
- Principles of Illustration
- Graphic Design I
- Journalism
- Digital Media Technology
- Photo Imaging
- Media & Public Relations

APPLICATION-LEVEL COURSES

- Graphic Design Workplace Experience
- Media Design & Production
- Advanced Media Design & Production

OCCUPATIONS

- Career/Technical Education Teachers (Postsecondary)
- Graphic Designers
- Librarians & Media Collections Specialists
- Special Effects Artists & Animators
- Web Developers
- Web & Digital Interface Designers

Occupations & Degrees	Median Annual Wage
Bachelor's Degree	
*Graphic Designers	\$49,820
Master's Degree	
*Librarians & Media Collections Specialists	\$59,580

* High Demand, High Wage

Sources:

- [Kansas Labor Information Center \(KLIC\) - Career Posters \(ks.gov\)](https://www.klsde.gov/career-posters)
- [Kansas Labor Information Center \(KLIC\) - High Demand Occupations \(ks.gov\)](https://www.klsde.gov/high-demand-occupations)

HIGH SCHOOL ASSESSMENTS, CREDENTIALS, OR CERTIFICATIONS

- Adobe: Dreamweaver
- Adobe: Frame Maker
- Adobe In-Design
- Adobe Photoshop
- Adobe Premier Pro
- Apple: App Development with Swift (Level 1)
- CareerSafe: OSHA Safety Certification (10 Hour)
- CISCO: CCDE
- CISCO: CCIE
- CISCO: CCNA
- CISCO: CCNP

HIGH SCHOOL ASSESSMENTS, CREDENTIALS, OR CERTIFICATIONS (continued)

- Microsoft (MOS): Microsoft Office Specialist (Associate A)
- Microsoft (MOS): Microsoft Office Specialist (Expert A)
- Microsoft (MOS): Access
- Microsoft (MOS): Excel
- Microsoft (MOS): PowerPoint
- Microsoft (MOS): Word
- NC3: Data Analytics/Harnessing the Power of Data

POSTSECONDARY ASSESSMENTS, CREDENTIALS, OR CERTIFICATION

- CompTIA: A+
- CompTIA: Network+
- CompTIA: Security+
- CompTIA: Server+

POSTSECONDARY CREDITS

Under the Excel in Career Technical Education Initiative, Kansas high school students qualify for state-funded college tuition in approved technical courses offered by Kansas technical and community colleges.

- [Excel in CTE Initiative \(kansasregents.org\)](https://www.kansasregents.org/excel-in-cte)
- [Tiered Technical Courses \(ksde.gov\)](https://www.ksde.gov/tiered-technical-courses)

POSTSECONDARY PROGRAMS

- [Kansas DegreeStats \(ksdegreestats.org\)](https://www.ksdegreestats.org)
- [Degree Stats Lesson \(ksde.gov\)](https://www.ksde.gov/degree-stats-lesson)
- [K-TIP Report \(kansasregents.org\)](https://www.kansasregents.org/k-tip-report)
- [Program Alignment \(kansasregents.org\)](https://www.kansasregents.org/program-alignment)
- [Kansas Post-Secondary Exploration Guide \(ksde.gov\)](https://www.ksde.gov/kansas-post-secondary-exploration-guide)

RESOURCES

- [Common Career Technical Core & CTE Course Competencies \(ksde.gov\)](https://www.ksde.gov/common-career-technical-core-cte-course-competencies)
- [Digital Technology Career Cluster \(onetonline.org\)](https://www.onetonline.org)
- [Digital Technology Advance CTE \(careertech.org\)](https://www.careertech.org)
- [Careers in Digital Technology \(MyNextMove.org\)](https://www.mynextmove.org)
- [Kansas Labor Information Center \(KLIC\) - Career Posters \(ks.gov\)](https://www.klsde.gov/career-posters)
- [Kansas Labor Information Center \(KLIC\) - High Demand Occupations \(ks.gov\)](https://www.klsde.gov/high-demand-occupations)
- [Today's Occupations \(ks.gov\)](https://www.ks.gov)
- [Cool Careers: Cybersecurity Analyst \(HirePaths.com\)](https://www.hirepaths.com)

STUDENT ORGANIZATION

- [Business Professionals of America](https://www.bpa.org)



- [Future Business Leaders of America](https://www.futurebusinessleaders.org)



- [Skills USA Kansas](https://www.skillsusa.org)



- [Technology Student Association](https://www.technologystudentassociation.org)





Design, Production, & Repair

| Advanced Manufacturing
| Construction



DESIGN, PRODUCTION, & REPAIR INDUSTRY

Advanced Manufacturing

Manufacturing

"Building and Moving"

Occupation Overview

Occupations & Degrees	Median Annual Wage
H.S. Diploma & Moderate-Term On-the-Job Training	
Miscellaneous Assemblers and Fabricators	\$41,280
Food Batchmakers	\$41,830
Packaging and Filling Machine Operators and Tenders	\$43,030
* Installation, Maintenance, and Repair Workers, All Other	\$46,680
* Mixing and Blending Machine Setters, Operators, and Tenders	\$47,450
* Computer Numerically Controlled Tool Operators	\$47,540
* Weighers, Measurers, Checkers, and Samplers, Recordkeeping	\$47,680
* Welders, Cutters, Solderers, and Brazers	\$49,040
* Inspectors, Testers, Sorters, Samplers, and Weighers	\$55,930
* Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	\$57,970
H.S. Diploma & Long-Term On-the-Job Training	
* Machinists	\$48,490
* Industrial Machinery Mechanics	\$70,170
* First-Line Supervisors of Production and Operating Workers	\$72,500
* First-Line Supervisors of Mechanics, Installers, and Repairers	\$76,380
Associates Degree	
Electrical and Electronic Engineering Technologists and Technicians	\$73,060
Bachelor's Degree	
* Engineers, All Other	\$69,210
* Occupational Health and Safety Specialists	\$78,480
* Mechanical Engineers	\$91,770
* Industrial Engineers	\$96,650
* Electrical Engineers	\$97,680
* Industrial Production Managers	\$122,700
* Aerospace Engineers	\$126,640

* High Demand, High Wage

Source: [Kansas Labor Information Center \(KLIC\) - Career Posters \(ks.gov\)](https://ks.gov/kslic/career-posters)



Manufacturing

Pathway

“Building and Moving”

This pathway generally prepares individuals to apply technical knowledge and skills in creating products using precision crafting and technical illustration. People with careers in Manufacturing work with machines, making or assembling electronic parts, constructing, performing welding jobs, or printing various materials.

INTRODUCTORY LEVEL COURSES

- Introduction to Skilled Trades

TECHNICAL LEVEL COURSES

- Welding Processes I
- Computer-Aided Machining (CAM) I
- Drafting/CAD

APPLICATION-LEVEL COURSES

- Workplace Experience in Manufacturing
- Welding Processes II
- Advanced Drafting/CAD
- Computer-Aid Machining (CAM) II

OCCUPATIONS

- Computer Numerically Controlled Tool Operators
- Electrical & Electronic Engineering Technologists & Technicians
- First-Line Supervisors of Production & Operating Workers
- Industrial Machinery Mechanics
- Industrial Production Managers
- Inspectors, Testers, Sorters, Samplers, & Weighers
- Installation, Maintenance, & Repair Workers (All Other)
- Machinists
- Mixing & Blending Machine Setters, Operators, & Tenders
- Occupational health and Safety Specialists
- Sheet Metal Workers
- Welders, Cutters, Solderers, & Brazers

Occupations & Degrees

Median Annual Wage

H.S. Diploma & Short to Moderate-Term On-the-Job Training

Miscellaneous Assemblers & Fabricators	\$41,280
Packaging & Filling Machine Operators & Tenders	\$43,030
* Installation, Maintenance, and Repair Workers (All Other)	\$46,680
* Mixing & Blending Machine Setters, Operators, & Tenders	\$47,450
* Computer Numerically Controlled Tool Operators	\$47,540
Weighers, Measurers, Checkers, & Samplers, Recordkeeping	\$47,680
* Machinists	\$48,490
* Welders, Cutters, Solderers, & Brazers	\$49,040
* Sheet Metal Workers	\$50,920
* Inspectors, Testers, Sorters, Samplers, & Weighers	\$55,930
* Industrial Machinery Mechanics	\$70,170
* First-Line Supervisors of Production & Operating Workers	\$70,500

Associate's Degree

* Electrical & Electronic Engineering Technologists & Technicians	\$73,060
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Bachelor's Degree

* Occupational Health & Safety Specialists	\$78,480
* Industrial Production Managers	\$122,700

* High Demand, High Wage

Sources:

- [Kansas Labor Information Center \(KLIC\) - Career Posters \(ks.gov\)](#)
- [Kansas Labor Information Center \(KLIC\) - High Demand Occupations \(ks.gov\)](#)

[Continued on next page](#) ➞



Manufacturing

Pathway (continued)

HIGH SCHOOL ASSESSMENTS, CREDENTIALS, OR CERTIFICATIONS

- AHRI: HVAC Certifications
- American Design Drafting Association (ADDA): Certified Drafter
- American Welding Society: SENSE Certification (Level 1)
- CareerSafe: OSHA Safety Certification (10 Hour)
- EPA: Section 608 - Handling & Buying Refrigerants
- ISCET: Associate Level CET Exam
- ISCET: Electronics Systems Associate (ESA) Exam
- MSSC: Certified Production Technician (CPT)
- NC3: Data Analytics/Harnessing the Power of Data
- NCCER: Core & Sheet Metal Level 1
- NIMS: Metal Forming I

POSTSECONDARY ASSESSMENTS, CREDENTIALS, OR CERTIFICATIONS

- ASME: Section 9 Standards (6G level)
- American Welding Society: Certification (Level 1)
- HVAC Excellence: Core & Air Conditioning, Gas Heat & Electrical
- HVAC Excellence: Core & Light Commercial Air Conditioning, Gas Heat & Electrical
- HVAC Excellence: Core & Light Commercial Refrigeration & Electrical
- ICE: Core & Commercial Refrigeration
- ICE: Core & Light Commercial Air Conditioning & Heating
- ICE: Core & Residential Air Conditioning & Heating
- NATE: Core & Air Conditioning
- NATE: Core & Air Distribution
- NATE: Core & Air to Air Heat Pumps
- NATE: Core & Gas or Oil Furnaces
- NATE: Core & Light Commercial/Commercial Refrigeration
- NCCER: Core & Electrical Level 1
- NCCER: Core & HVAC Levels 1 & 2
- NCCER: Core & Industrial Maintenance Level 1
- NCCER: Core & Plumbing & Pipefitting Level 1
- NIMS: Machining Level 1
- SMRP: Certified Maintenance & Reliability Technician

POSTSECONDARY CREDITS

Under the Excel in Career Technical Education Initiative, Kansas high school students qualify for state-funded college tuition in approved technical courses offered by Kansas technical and community colleges.

- [Excel in CTE Initiative \(kansasregents.org\)](https://kansasregents.org)
- [Tiered Technical Courses \(ksde.gov\)](https://ksde.gov)

POSTSECONDARY PROGRAMS

- [Kansas DegreeStats \(ksdegreestats.org\)](https://ksdegreestats.org)
- [Degree Stats Lesson \(ksde.gov\)](https://ksde.gov)
- [K-TIP Report \(kansasregents.org\)](https://kansasregents.org)
- [Program Alignment \(kansasregents.org\)](https://kansasregents.org)
- [Kansas Post-Secondary Exploration Guide \(ksde.gov\)](https://ksde.gov)

RESOURCES

- [Common Career Technical Core & CTE Course Competencies \(ksde.gov\)](https://ksde.gov)
- [Advanced Manufacturing Career Cluster \(onetoonline.org\)](https://onetoonline.org)
- [Advanced Manufacturing Advance CTE \(careertech.org\)](https://careertech.org)
- [Careers in Advanced Manufacturing \(MyNextMove.org\)](https://MyNextMove.org)
- [Kansas Labor Information Center \(KLIC\) - Career Posters \(ks.gov\)](https://ks.gov)
- [Kansas Labor Information Center \(KLIC\) - High Demand Occupations \(ks.gov\)](https://ks.gov)
- [Today's Occupations \(ks.gov\)](https://ks.gov)
- [Sheet Metal Mechanic \(HirePaths.com\)](https://hirepaths.com)
- [International Society of Certified Electronics Technicians \(ISCET\)](https://iscet.org)
- [National Center for Construction Education & Research - NCCER](https://nccer.org)
- [AWS SENSE Program \(senseonline.org\)](https://senseonline.org)

STUDENT ORGANIZATION

- [Skills USA Kansas](https://skillsusa.org)



- [Technology Student Association](https://tstudent.org)





DESIGN, PRODUCTION, & REPAIR INDUSTRY

Construction

Construction & Design

"Building and Moving"

Occupation Overview

Occupations & Degrees	Median Annual Wage
H.S. Diploma & Short to Long-Term On-the-Job Training	
Cabinetmakers and Bench Carpenters	\$38,800
Construction Laborers	\$44,810
Painters, Construction and Maintenance	\$44,890
Highway Maintenance Workers	\$45,170
Maintenance and Repair Workers, General	\$46,590
Operating Engineers and Other Construction *Equipment Operators	\$50,600
*Cement Masons and Concrete Finishers	\$50,640
*Construction and Building Inspectors	\$61,850
H.S. Diploma & Apprenticeship	
*Sheet Metal Workers	\$50,920
*Carpenters	\$51,550
*Electricians	\$61,830
*Plumbers, Pipefitters, and Steamfitters	\$62,820
First-Line Supervisors of Construction Trades *and Extraction Workers	\$75,730
Postsecondary Nondegree Award or Long-Term On-the-Job Training	
Heating, Air Conditioning, and Refrigeration *Mechanics and Installers	\$56,750
Associates Degree	
Civil Engineering Technologists and *Technicians	\$58,700
Bachelor's Degree or Postsecondary Degree	
*Civil Engineers	\$86,780
*Cost Estimators	\$72,600
*Construction Managers	\$103,760
*Architectural and Engineering Managers	\$147,020

* High Demand, High Wage

Source: [Kansas Labor Information Center \(KLIC\) - Career Posters \(ks.gov\)](https://ks.gov)



Construction & Design

Pathway

Careers emphasizing the critical initial stages of construction and development projects, including preconstruction activities, property development, and land use planning. Careers focused on skilled work that is essential to constructing, maintaining, and repairing buildings and infrastructure including carpentry; welding; masonry; electrical; plumbing; and heating, ventilation, air conditioning, and refrigeration (HVAC-R).

INTRODUCTORY LEVEL COURSES

- Introduction to Skilled Trades

TECHNICAL LEVEL COURSES

- Drafting/CAD
- Woodworking Principles

APPLICATION-LEVEL COURSES

- Workplace Experience in Architecture & Construction
- Advanced Materials & Fabrications

OCCUPATIONS

- Architectural & Engineering Managers
- Carpenters
- Cement Masons & Concrete Finishers
- Civil Engineering Technologists and Technicians
- Civil Engineers
- Construction & Building Inspectors
- Construction Managers
- Cost Estimators
- Electricians
- First-Line Supervisors of Construction Trades & Extraction Workers
- Heating, Air Conditioning, & Refrigeration Mechanics & Installers
- Operating Engineers & Other Construction Equipment Operators
- Plumbers, Pipefitters, & Steamfitters
- Sheet Metal Workers

Occupations & Degrees

Median Annual Wage

H.S. Diploma & Short to Long-Term On-the-Job Training

Cabinetmakers and Bench Carpenters	\$38,800
Construction Laborers	\$44,810
Painters, Construction and Maintenance	\$44,890
Highway Maintenance Workers	\$45,170
Maintenance and Repair Workers, General	\$46,590
Operating Engineers and Other Construction *Equipment Operators	\$50,600
*Cement Masons and Concrete Finishers	\$50,640
*Construction and Building Inspectors	\$61,850

H.S. Diploma & Apprenticeship

*Sheet Metal Workers	\$50,920
*Carpenters	\$51,550
*Electricians	\$61,830
*Plumbers, Pipefitters, and Steamfitters	\$62,820
First-Line Supervisors of Construction Trades and *Extraction Workers	\$75,730

Postsecondary Nondegree Award or Long-Term On-the-Job Training

Heating, Air Conditioning, and Refrigeration *Mechanics and Installers	\$56,750
--	----------

Associates Degree

*Civil Engineering Technologists and Technicians	\$58,700
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Bachelor's Degree or Postsecondary Degree

*Civil Engineers	\$86,780
*Cost Estimators	\$72,600
*Construction Managers	\$103,760
*Architectural and Engineering Managers	\$147,020

* High Demand, High Wage

Source: [Kansas Labor Information Center \(KLIC\) - Career Posters \(ks.gov\)](https://ks.gov/kLIC/)

[Continued on next page](#) ➔



Construction & Design

Pathway (continued)

"Building and Moving"

HIGH SCHOOL ASSESSMENTS, CREDENTIALS, OR CERTIFICATIONS

- AHRI: Variety of HVAC Related Areas
- American Design Drafting Association: Certified Drafter
- Autodesk: User, Professional, Specialist
- CareerSafe: OSHA Safety Certification (10 Hour)
- EPA: Section 608 - Handling & Buying Refrigerants
- International Code Council: Building Construction
- NC3: Data Analytics/Harnessing the Power of Data
- NCCER: Core & Carpentry Level 2
- NCCER: Core & Concrete Finishing
- NCCER: Core & Construction Laborer
- NCCER: Core & Masonry Level 1
- NCCER: Core & Sheet Metal Level 1
- Solid Works: Software

POSTSECONDARY ASSESSMENTS, CREDENTIALS, OR CERTIFICATIONS

- HVAC Excellence: Core & Air Conditioning, Gas, Heat & Electrical
- HVAC Excellence: Core & Light Commercial Air Conditioning, Gas Heat & Electrical
- HVAC Excellence: Core & Light Commercial Refrigeration & Electrical
- ICE: Core & Commercial Refrigeration
- ICE: Core & Light Commercial Air Conditioning & Heating
- ICE: Core & Residential Air Conditioning & Heating
- NATE: Core & Air Conditioning
- NATE: Core & Air Distribution
- NATE: Core & Air to Air Heat Pumps
- NATE: Core & Gas or Oil Furnaces
- NATE: Core & Light Commercial/Commercial Refrigeration
- NCCER: Core & Carpentry Level 1
- NCCER: Core & Electrical Level 1
- NCCER: Core & HVAC Levels 1 & 2
- NCCER: Core & Plumbing & Pipefitting Level 1

POSTSECONDARY CREDITS

Under the Excel in Career Technical Education Initiative, Kansas high school students qualify for state-funded college tuition in approved technical courses offered by Kansas technical and community colleges.

- [Excel in CTE Initiative \(kansasregents.org\)](https://kansasregents.org)
- [Tiered Technical Courses \(ksde.gov\)](https://ksde.gov)

POSTSECONDARY PROGRAMS

- [Kansas DegreeStats \(ksdegreestats.org\)](https://ksdegreestats.org)
- [Degree Stats Lesson \(ksde.gov\)](https://ksde.gov)
- [K-TIP Report \(kansasregents.org\)](https://kansasregents.org)
- [Program Alignment \(kansasregents.org\)](https://kansasregents.org)
- [Kansas Post-Secondary Exploration Guide \(ksde.gov\)](https://ksde.gov)

RESOURCES

- [Common Career Technical Core & CTE Course Competencies \(ksde.gov\)](https://ksde.gov)
- [Architecture & Construction Career Cluster \(onetoonline.org\)](https://onetoonline.org)
- [Architecture & Construction Advance CTE \(careertech.org\)](https://careertech.org)
- [Careers in Architecture & Construction \(MyNextMove.org\)](https://mynextmove.org)
- [Kansas Labor Information Center \(KLIC\) - Career Posters \(ks.gov\)](https://ks.gov)
- [Kansas Labor Information Center \(KLIC\) - High Demand Occupations \(ks.gov\)](https://ks.gov)
- [Today's Occupations \(ks.gov\)](https://ks.gov)
- [Cool Careers: Carpenter \(HirePaths.com\)](https://hirepaths.com)
- [Cool Careers: Welder \(HirePaths.com\)](https://hirepaths.com)
- [Cool Careers: Plumber \(HirePaths.com\)](https://hirepaths.com)
- [National Center for Construction Education & Research - NCCER](https://nccer.org)

STUDENT ORGANIZATION

- [Skills USA Kansas](https://skillsusa.org)



- [Technology Student Association](https://tsa-usa.org)





Agriculture

| Agriculture



AGRICULTURE INDUSTRY

Agriculture

Animal Science, Health & Related Industries
Diversified Agricultural Science

"Cultivating Resources"

Occupation Overview

Occupations & Degrees	Median Annual Wage
Short-Term On-the-Job Training	
Animal Caretakers	\$27,970
Farmworkers, Farm, Ranch, & Aquacultural Animals	\$36,940
Farmworkers & Laborers, Crop, Nursery, & Greenhouse	\$33,530
Landscaping & Groundskeeping Workers	\$37,790
Meat, Poultry, and Fish Cutters & Trimmers	\$46,020
*Slaughterers & Meat Packers	\$47,310
Veterinary Assistants & Laboratory Animal Caretakers	\$32,670
Moderate to Long-Term On-the-Job Training	
Butchers & Meat Cutters	\$35,800
*Farm Equipment Mechanics & Service Technicians	\$49,450
Agricultural Equipment Operators	\$44,510
Bachelor's Degree or H.S. Diploma & Work Experience	
Veterinary Technologists & Technicians	\$39,070
*First-Line Supervisors of Landscaping, Lawn Service, & Groundskeeping Workers	\$58,440
*Farmers, Ranchers, & Other Agricultural Managers	\$79,280

* High Demand, High Wage

Source: [Kansas Labor Information Center \(KLIC\) - Career Posters \(ks.gov\)](https://ksliic.org/)



Animal Science, Health & Related Industries

Pathway

"Cultivating Resources"

Careers that both promote the health and well-being of animals, including companion, livestock, and exotic animals, and facilitate the efficient production of animal-related products within the food system. For livestock and poultry, professionals in this field aim to optimize the production of meat, dairy, eggs, and other animal products. Careers in this field also include veterinary and other services to manage the care, breeding, behavior, enrichment, and management of animals. This Pathway also incorporates genetics, nutrition, biotechnology, and pharmaceuticals to improve animal welfare and production efficiency.

INTRODUCTORY LEVEL COURSES

- Agriculture Explorations I
- Agriculture Explorations II

TECHNICAL LEVEL COURSES

- Agriscience
- Animal Science

APPLICATION-LEVEL COURSES

- Agricultural Internship
- Animal Health
- Agribusiness Management
- Agricultural Leadership & Communications

OCCUPATIONS

- Animal Caretakers
- Farmworkers, Farm, Ranch, & Aquacultural Animals
- Farmers, Ranchers, & Other Agricultural Managers
- Veterinary Assistants & Laboratory Animal Caretakers
- Veterinary Technologists & Technicians

Occupations & Degrees	Median Annual Wage
H.S. Diploma & Short-Term On-the-Job Training	
Animal Caretakers	\$27,970
Farmworkers, Farm, Ranch, & Aquacultural Animals	\$36,940
Veterinary Assistants & Laboratory Animal Caretakers	\$32,670
Bachelor's Degree or H.S. Diploma & Work Experience	
Veterinary Technologists & Technicians	\$39,070
*Farmers, Ranchers, & Other Agricultural Managers	\$79,280

Sources:

- [Kansas Labor Information Center \(KLIC\) - Career Posters \(ks.gov\)](#)
- [Kansas Labor Information Center \(KLIC\) – High Demand Occupations \(ks.gov\)](#)

HIGH SCHOOL ASSESSMENTS, CREDENTIALS, OR CERTIFICATIONS

- CareerSafe: OSHA Safety Certification (10 Hour)
- cPass: Comprehensive Agriculture Assessment
- Dog Handler
- NC3: Data Analytics/Harnessing the Power of Data
- Youth for the Quality Care of Animals: YQCA

POSTSECONDARY ASSESSMENTS, CREDENTIALS, OR CERTIFICATIONS

- [KS Dept. of Agriculture: KS Agriculture Skills & Competencies](#)

POSTSECONDARY CREDITS

Under the Excel in Career Technical Education Initiative, Kansas high school students qualify for state-funded college tuition in approved technical courses offered by Kansas technical and community colleges.

- [Excel in CTE Initiative \(kansasregents.org\)](#)
- [Tiered Technical Courses \(ksde.gov\)](#)

POSTSECONDARY PROGRAMS

- [Kansas DegreeStats \(ksdegreestats.org\)](#)
- [Degree Stats Lesson \(ksde.gov\)](#)
- [K-TIP Report \(kansasregents.org\)](#)
- [Program Alignment \(kansasregents.org\)](#)
- [Kansas Post-Secondary Exploration Guide \(ksde.gov\)](#)

RESOURCES

- [Common Career Technical Core & CTE Course Competencies \(ksde.gov\)](#)
- [Agriculture Career Cluster \(onetoonline.org\)](#)
- [Agriculture Advance CTE \(careertech.org\)](#)
- [Careers in Agriculture \(MyNextMove.org\)](#)
- [Kansas Labor Information Center \(KLIC\) - Career Posters \(ks.gov\)](#)
- [Kansas Labor Information Center \(KLIC\) – High Demand Occupations \(ks.gov\)](#)
- [Today's Occupations \(ks.gov\)](#)

STUDENT ORGANIZATION

- [Kansas FFA](#)
- [KS State FFA Degree \(Ag Ed Student Certification & Recognition\)](#)
- [Supervised Agricultural Experience Grants & Student Scholarships](#)
- [Career & Leadership Development Events \(Career & Workforce Readiness Experiences\)](#)
- [Kansas State Fair Exhibits & Student Showcases](#)
- [Kansas State FFA Convention](#)





Diversified Agricultural Science

Pathway

"Cultivating Resources"

This pathway focuses on the general principles and practice of agricultural research and production and that may prepare individuals to apply this knowledge to the solution of practical agricultural problems. It includes instruction in basic animal, plant, and soil science; animal husbandry and plant cultivation; soil conservation; and agricultural operations such as farming, ranching, and agricultural business.

INTRODUCTORY LEVEL COURSES

- Agriculture Explorations I

TECHNICAL LEVEL COURSES

- Agriscience
- Plant & Soil Science
- Animal Science
- Agricultural Mechanics
- Welding Processes I

APPLICATION-LEVEL COURSES

- Agricultural Internship
- Agribusiness
- Agricultural Leadership & Communications

OCCUPATIONS

- Agricultural Sciences Teachers (Postsecondary)
- Farmworkers, Farm, Ranch, & Aquacultural Animals

OCCUPATIONS^(Continued)

- Slaughters & Meat Packers
- Farm Equipment Mechanics & Service Technicians
- First-Line Supervisors of Landscaping, Lawn Service, & Groundskeeping Workers

Occupations & Degrees	Median Annual Wage
H.S. Diploma & Short-Term On-the-Job Training	
Farmworkers, Farm, Ranch, & Aquacultural Animals	\$36,940
* Slaughtering & Meat Packers	\$47,310
H.S. Diploma & Moderate to Long-Term On-the-Job Training	
* Farm Equipment Mechanics & Service Technicians	\$49,450
Bachelor's Degree or H.S. Diploma & Work Experience	
* First-Line Supervisors of Landscaping, Lawn Service, & Groundskeeping Workers	\$58,440
* Farmers, Ranchers, & Other Agricultural Managers	\$79,280

Sources:

- [Kansas Labor Information Center \(KLIC\) - Career Posters \(ks.gov\)](https://ks.gov/career-posters)
- [Kansas Labor Information Center \(KLIC\) - High Demand Occupations \(ks.gov\)](https://ks.gov/high-demand-occupations)

HIGH SCHOOL ASSESSMENTS, CREDENTIALS, OR CERTIFICATIONS

- CareerSafe: OSHA Safety Certification (10 Hour)
- cPass: Comprehensive Agriculture Assessment
- KS Livestock Association: Beef Quality Assurance
- KS Restaurant & Hospitality: ServSafe (Food Handlers)
- NC3: Data Analytics/Harnessing the Power of Data
- NSTMOP: Tractor Safety

POSTSECONDARY ASSESSMENTS, CREDENTIALS, OR CERTIFICATIONS

- [KS Dept. of Agriculture: KS Agriculture Skills & Competencies](https://ksde.gov/ks-agriculture-skills-competencies)
- KS Dept. of Agriculture: Pesticide Applicator (Personal or Commercial)
- KS Dept. of Revenue: Commercial Driver's License

POSTSECONDARY CREDITS

Under the Excel in Career Technical Education Initiative, Kansas high school students qualify for state-funded college tuition in approved technical courses offered by Kansas technical and community colleges.

- [Excel in CTE Initiative \(kansasregents.org\)](https://kansasregents.org/excel-in-cte-initiative)
- [Tiered Technical Courses \(ksde.gov\)](https://ksde.gov/tiered-technical-courses)

POSTSECONDARY PROGRAMS

- [Kansas DegreeStats \(ksdegreestats.org\)](https://ksdegreestats.org)
- [Degree Stats Lesson \(ksde.gov\)](https://ksde.gov/degree-stats-lesson)
- [K-TIP Report \(kansasregents.org\)](https://kansasregents.org/k-tip-report)
- [Program Alignment \(kansasregents.org\)](https://kansasregents.org/program-alignment)
- [Kansas Post-Secondary Exploration Guide \(ksde.gov\)](https://ksde.gov/kansas-post-secondary-exploration-guide)

RESOURCES

- [Common Career Technical Core & CTE Course Competencies \(ksde.gov\)](https://ksde.gov/common-career-technical-core-cte-course-competencies)
- [Agriculture Career Cluster \(onetonline.org\)](https://onetonline.org)
- [Agriculture Advance CTE \(careertech.org\)](https://careertech.org)
- [Careers in Agriculture \(MyNextMove.org\)](https://mynextmove.org)
- [Kansas Labor Information Center \(KLIC\) - Career Posters \(ks.gov\)](https://ks.gov/kllic-career-posters)
- [Kansas Labor Information Center \(KLIC\) - High Demand Occupations \(ks.gov\)](https://ks.gov/kllic-high-demand-occupations)
- [Today's Occupations \(ks.gov\)](https://ks.gov/todays-occupations)

STUDENT ORGANIZATION

- [Kansas FFA](https://ksffa.org)
- [Kansas FFA](https://ksffa.org)
- [KS State FFA Degree \(Ag Ed Student Certification & Recognition\)](https://ksffa.org/ag-ed-student-certification-recognition)
- [Supervised Agricultural Experience Grants & Student Scholarships](https://ksffa.org/supervised-agricultural-experience-grants-student-scholarships)
- [Career & Leadership Development Events \(Career & Workforce Readiness Experiences\)](https://ksffa.org/career-leadership-development-events-career-workforce-readiness-experiences)
- [Kansas State Fair Exhibits & Student Showcases](https://ksffa.org/kansas-state-fair-exhibits-student-showcases)
- [Kansas State FFA Convention](https://ksffa.org/kansas-state-ffa-convention)





Business

| Financial Services



BUSINESS INDUSTRY

Financial Services

Business Finance

"Investing in the Future"

Occupation Overview

Occupations & Degrees	Median Annual Wage
H.S. Diploma & Short-Term On-the-Job Training	
Tellers	\$36,340
Loan Interviewers & Clerks	\$46,940
H.S. Diploma & Moderate to Long-Term On-the-Job Training	
Bill & Account Collectors	\$40,800
*Payroll & Timekeeping Clerks	\$50,020
*Insurance Sales Agents	\$60,920
*Claims Adjusters, Examiners, & Investigators	\$76,660
Bachelor's Degree	
*Accountants & Auditors	\$76,400
*Loan Officers	\$82,540
*Personal Financial Advisors	\$100,810
*Financial & Investment Analysts	\$82,070
*Financial Managers	\$138,980

* High Demand, High Wage

Source: [Kansas Labor Information Center \(KLIC\) - Career Posters \(ks.gov\)](https://ks.gov/kLIC/CareerPosters)



Business Finance

Pathway

This pathway generally prepares individuals to plan, manage, and analyze the financial and monetary aspects and performance of business enterprises, banking institutions, or other organizations. It includes instruction in principles of accounting, financial instruments, capital planning, funds acquisition, asset and debt management, budgeting, financial analysis, and investments and portfolio management. The business finance function in a company is to manage policy and strategy for (and the implementation of) capital structure, budgeting, acquisition and investment, financial modeling and planning, funding, dividends, and taxation.

INTRODUCTORY LEVEL COURSES

- Business Essentials

TECHNICAL LEVEL COURSES

- Accounting
- Business Communications
- Entrepreneurship
- Business Economics

APPLICATION-LEVEL COURSES

- Advanced Accounting
- College Accounting
- Workplace Experience in Finance
- Advanced Workplace Experience in Finance

OCCUPATIONS

- Accountants & Auditors
- Appraisers of Personal & Business Property
- Bill & Account Collectors
- Bookkeeping, Accounting, & Auditing Clerks
- Budget Analysts
- Business Teachers (Postsecondary)
- Buyers & Purchasing Agents
- Claims Adjusters, Examiners, & Investigators
- Compliance Officers
- Compensation, Benefits, & Job Analysts Specialists
- Credit Analysts

OCCUPATIONS *(continued)*

- Accountants & Auditors
- Billing & Account Collectors
- Billing & Posting Clerks
- Bookkeeping, Accounting & Auditing Clerks
- Claims Adjusters, Examiners, & Investigators
- Financial & Investment Analysts
- Financial Managers
- Insurance Sales Agents
- Loan Interviewers & Clerks
- Loan Officers
- Payroll & Timekeeping Clerks
- Personal Financial Advisors
- Property, Real Estate, & Community Association Managers
- Real Estate Agents
- Securities, Commodities, & Financial Services Sales Agents
- Tax Preparers
- Tellers

HIGH SCHOOL ASSESSMENTS, CREDENTIALS, OR CERTIFICATIONS

- CareerSafe: OSHA Safety Certification (10 Hour)
- Fundamental Payroll Certification (FPC)
- Intuit: QuickBooks Certified User
- MBA Research (ASK): Concepts of Finance
- Microsoft (MOS): Access
- Microsoft (MOS) Excel
- Microsoft (MOS) PowerPoint
- Microsoft (MOS) Word
- NC3: Data Analytics/Harnessing the Power of Data

POSTSECONDARY CREDITS

Under the Excel in Career Technical Education Initiative, Kansas high school students qualify for state-funded college tuition in approved technical courses offered by Kansas technical and community colleges.

- [Excel in CTE Initiative \(kansasregents.org\)](https://kansasregents.org/)
- [Tiered Technical Courses \(ksde.gov\)](https://ksde.gov/)

Occupations & Degrees	Median Annual Wage
H.S. Diploma	
Tellers	\$36,340
Tax Preparers	\$44,810
Bill & Account Collectors	\$40,800
Loan Interviewers & Clerks	\$46,940
* Payroll & Timekeeping Clerks	\$50,020
* Insurance Sales Agents	\$60,920
* Property, Real Estate, & Community Association Members	\$55,750
Billing & Posting Clerks	\$45,150
* Real Estate Agents	\$44,290
* Claims Adjusters, Examiners, & Investigators	\$76,660
Some College & Moderate-Term Training	
Bookkeeping, Accounting, & Auditing Clerks	\$45,920
Bachelor's Degree	
* Securities, Commodities, & Financial Services Sales Agents	\$73,470
* Accountants & Auditors	\$76,400
* Loan Officers	\$82,540
* Personal Financial Advisors	\$100,810
* Financial & Investment Analysts	\$82,070
* Financial Managers	\$138,980
* High Demand, High Wage	

Sources:

- [Kansas Labor Information Center \(KLIC\) - Career Posters \(ks.gov\)](https://kansasregents.org/)
- [Kansas Labor Information Center \(KLIC\) - High Demand Occupations \(ks.gov\)](https://kansasregents.org/)

POSTSECONDARY PROGRAMS

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- [Degree Stats Lesson \(ksde.gov\)](https://ksde.gov/)
- [K-TIP Report \(kansasregents.org\)](https://kansasregents.org/)
- [Program Alignment \(kansasregents.org\)](https://kansasregents.org/)
- [Kansas Post-Secondary Exploration Guide \(ksde.gov\)](https://ksde.gov/)

RESOURCES

- [Common Career Technical Core & CTE Course Competencies \(ksde.gov\)](https://ksde.gov/)
- [Financial Services Career Cluster \(onetonline.org\)](https://onetonline.org/)
- [Financial Services Advance CTE \(careertech.org\)](https://careertech.org/)
- [Careers in Financial Services \(MyNextMove.org\)](https://mynextmove.org/)
- [Kansas Labor Information Center \(KLIC\) - Career Posters \(ks.gov\)](https://kansasregents.org/)
- [Kansas Labor Information Center \(KLIC\) - High Demand Occupations \(ks.gov\)](https://kansasregents.org/)
- [Today's Occupations \(ks.gov\)](https://ks.gov/)

STUDENT ORGANIZATION

- [Business Professionals of America](https://businessprofessionals.org/)



- [Kansas DECA](https://kansasdeca.org/)



- [Future Business Leaders of America](https://futurebusinessleaders.org/)





900 S.W. Jackson Street, Suite 600
Topeka, Kansas 66612-1212
(785) 296-3203

www.ksde.gov/board

SUCCESS DEFINED

A successful Kansas high school graduate has the

- Academic preparation,
- Cognitive preparation,
- Technical skills,
- Employability skills and
- Civic engagement

to be successful in postsecondary education, in the attainment of an industry recognized certification or in the workforce, without the need for remediation.

OUTCOMES

- Social-emotional growth
- Kindergarten readiness
- Individual Plan of Study
- Civic engagement
- Academically prepared for postsecondary
- High school graduation
- Postsecondary success

Kansas State Board of Education

Board Members

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Vice Chair
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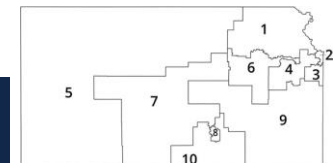
To prepare Kansas students for lifelong success through rigorous, quality academic instruction, career training and character development according to each student's gifts and talents.

VISION

Kansas leads the world in the success of each student.

MOTTO

Kansans Can



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