

ILLINOIS STATE BOARD OF EDUCATION

CAREER GUIDE

**EXPLORE CAREER PATHS
RIGHT HERE IN ILLINOIS:**

- AGRICULTURE, FOOD AND NATURAL RESOURCES
- ARCHITECTURE AND CONSTRUCTION
- ARTS, A/V TECHNOLOGY AND COMMUNICATIONS
- BUSINESS, MANAGEMENT AND ADMINISTRATION
- EDUCATION AND TRAINING
- ENERGY
- FINANCE
- GOVERNMENT AND PUBLIC ADMINISTRATION
- HEALTH SCIENCE
- HOSPITALITY AND TOURISM
- HUMAN SERVICES
- INFORMATION TECHNOLOGY
- LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY
- MANUFACTURING
- MARKETING, SALES AND SERVICE
- SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS
- TRANSPORTATION, DISTRIBUTION AND LOGISTICS



WHOLE CHILD. WHOLE SCHOOL. WHOLE COMMUNITY

WELCOME LETTER

DEAR READERS,

I believe our schools succeed when all Illinois students graduate with skills and knowledge in core subjects, as well as clarity and confidence in where those capacities can take them.

Students sometimes struggle to decide what courses to complete and which experiences to undergo in order to explore career possibilities that build on their talents and interests. This Career Guide can assist students in answering these questions by connecting learning experiences to high-skill, high-wage, and in-demand career opportunities.

The Bureau of Labor Statistics reports that Americans hold an average of 12 jobs from age 18 to age 50, and this number is expected to increase in the future. Illinois schools today emphasize career pathways – sequences of

courses and experiences that build toward concrete career opportunities – to support students through graduation and into growing industries. I hope the information in this guide will assist students in discovering and preparing to take their next successful steps toward long-term personal and professional fulfillment.

Whether you are a student, a parent, or a school counselor, I encourage you to explore this guide and to become familiar with the career opportunities right here in our great state.

Sincerely,



Dr. Carmen I. Ayala
Illinois State Superintendent
of Education

HOW TO USE

STUDENTS can explore dozens of career options at their local high school, local career centers, if available, and through their local community college. This Career Guide can be a great conversation starter with counselors and parents as classes are being chosen. Narrowing down interests is an important step prior to your postsecondary plans.

PARENTS can explore viable opportunities for their children in Illinois by researching in-demand occupations and statewide employment data provided with each career cluster.

SCHOOL COUNSELORS AND TEACHERS can use the information within these pages to guide several conversations. Help your students prepare for their next steps with the information provided within this publication.

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If you are interested in producing a local Career Guide for your local CTE system, please contact sales@careertechmedia.com, or visit www.careertechmedia.com



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EQUITY

EQUITY IS WHEN ALL STUDENTS HAVE WHAT THEY NEED TO BE SUCCESSFUL IN ACADEMICS AND LIFE.

The Illinois State Board of Education (ISBE) commits to providing rigorous and relevant educational opportunities to meet the needs of the whole child. Career and Technical Education (CTE) prepares students for both the workforce and the pursuit of postsecondary opportunities. CTE offers students the ability to blend technical and employability skill attainment with integration of core academic learning standards. CTE provides opportunities that lead to success in both career and life.

CTE PROVIDES REMARKABLE BENEFITS TO STUDENTS:

- CTE students are less likely to drop out of high school.
- CTE students have a higher graduation rate (93 percent) compared to the overall state average (85 percent).
- CTE students are more likely to enroll in and successfully complete college.
- CTE students are better prepared and qualified for employment as they earn industry recognized credentials and certificates.

ISBE recognizes that CTE has not always served all students equitably—gaps still remain. ISBE is dedicated to identifying and addressing equity gaps through the use of meaningful data to clearly identify root causes and develop viable solutions to drive change. When provided the necessary support systems, all learners possess the potential to achieve career goals in high-skill, high-wage, and in-demand occupations in all areas when provided the necessary support systems. CTE programming provides these opportunities.

The ISBE Career Guide provides information about current in-demand jobs across Illinois, including salary and job growth information, and how your child can access these pathways to prosperity through CTE programming.

CAREER CONNECTED LEARNING



Career and Technical Education (CTE) prepares students for high-skill, high-wage, in-demand employment that furthers Illinois' global competitiveness. CTE programs provide learners with the skills, knowledge, and confidence they need to thrive in college and careers. All students benefit from career connected learning that emphasizes real-world skills within a selected career focus. Students gain practical knowledge while discovering and preparing for success in potential careers.

CAREER AWARENESS

Discover

Career Awareness experiences present information on the multitude of careers for students. These introductory activities typically occur within the academic setting.

Activities Might Include:

- Career Fair
- Career Presentation
- Workplace Tour



CAREER EXPLORATION

Inquire

Career Exploration activities are the integration of the academic setting and the workplace. Through structured learning activities, students will interact with industry professionals to inform career decisions.

Activities Might Include:

- Informational Interview
- Job Shadow
- Externships
- Networking Event
- Industry-based Design Challenge (Team)



CAREER DEVELOPMENT

Prepare

Career Development experiences are continued authentic interactions with industry professionals and communities. These co-developed workplace experiences are designed to reinforce and assess foundational professional skills and often occur within Career and Technical Education.

Activities Might Include:

- Cooperative Workplace Learning
- Internships
- Extended Learning (CTSOs and Community Engagement)
- Youth Apprenticeship
- Industry-based Certification



CAREER SKILLS TRAINING AND EDUCATION

Develop

Career Training experiences allow students to develop their skills for employment for a specific career. These can often continue or occur after high school.

Activities Might Include:

- Clinical Experience
- On-the-Job Training
- Bridge Program
- Apprenticeship
- Industry-based Certification



CAREER CONNECTED LEARNING

ILLINOIS PaCE

Postsecondary and Career Expectations

Each student should have an individualized learning plan to help make decisions about career and postsecondary (PS) education or training, to plan a course of study, and to make financial aid assessments with family members.



	A STUDENT SHOULD BE SUPPORTED TO:	A STUDENT SHOULD KNOW:
By the end of 8TH GRADE	<ul style="list-style-type: none"> complete a career cluster survey attend a career exploration day complete a unit on education planning be exposed to a financial literacy unit in a course or workshop 	<ul style="list-style-type: none"> the concept of career clusters of interest relationship between community service/extracurricular activities and postsecondary (PS)/career goals
By the end of 9TH GRADE	<ul style="list-style-type: none"> revisit career cluster interest survey and take a career interest survey complete an orientation to career clusters attend a PS options workshop meet with a counselor to discuss coursework and PS/career plans using the ISBE College and Career Readiness Indicators begin determining eligibility for advanced placement (AP) courses outline a plan for community service and extracurricular activities related to PS plans complete a financial aid assessment with a family member 	<ul style="list-style-type: none"> one or two career clusters for further exploration and development the relationship between HS coursework, attendance, and grades to PS plans importance of community service and extracurricular activities to PS and career plans general cost ranges of various PS options
By the end of 10TH GRADE	<ul style="list-style-type: none"> visit at least one workplace aligned with career interests complete an orientation course to a particular career cluster or cluster grouping select a career pathway (CP) within a career cluster of interest begin determining eligibility for AP courses identify 2-3 adults to support the student through the PS and career selection process review coursework and PS/career plans in relation to the ISBE College and Career Readiness Indicators (every year) attend a PS affordability workshop with a family member 	<ul style="list-style-type: none"> educational requirements, cost, expected entry level, and midpoint salary for occupations in selected CP different types of PS credentials and institutions general timing of PS entrance exams and applications benefit of early college credit opportunities to PS access and completion
By the end of 11TH GRADE	<ul style="list-style-type: none"> revisit the career survey participate in a mock job interview create a resume and personal statement identify an internship opportunity related to the CP determine readiness for college-level coursework in math/ELA and enrollment in either "catch up" or "speed up" course complete or enroll in at least one early college credit opportunity attend a college fair visit at least 3 PS institutions take at least one college entrance exam 	<ul style="list-style-type: none"> application deadlines, test timing, cost, and preparation for industry-based certification for CP career attributes related to career interests entrance requirements, including application deadlines, for expected PS programs of study 3-5 match schools, one safety, one reach school for PS program of study negative impact of remediation on PS goals financial aid deadlines for chosen PS options
By the end of 12TH GRADE	<ul style="list-style-type: none"> obtain an internship opportunity related to the CP if applicable, receive industry-based certification(s) related to the CP complete one or more team-based challenges or projects related to the CP address any remedial needs in math/ELA attend a financial aid award letter workshop 	<ul style="list-style-type: none"> how CP courses and experiences articulate to degree programs at PS options estimated cost of each PS option affordability of PS options in relation to expected entry-level career salary and anticipated debt terms and conditions of any scholarship or loan

Key:

Career Exploration and Development

Postsecondary Education Exploration, Preparation, and Selection

Financial Aid and Literacy

Adopted from the Illinois PaCE (Postsecondary and Career Expectations) Framework.
Learn more at www.isac.org/pace

COLLEGE AND CAREER PATHWAY ENDORSEMENTS

WHAT IS IT?

Enacted in 2016, the Illinois Postsecondary and Workforce Readiness Act established a voluntary system for school districts to award College and Career Pathway Endorsements (CCPEs) to high school graduates. Endorsements signify that a student is ready to pursue postsecondary education or enter a career related to the CCPE industry area.

ENDORSEMENT AREAS:

- Agriculture, Food and Natural Resources
- Arts and Communication
- Finance and Business Services
- Health Sciences and Technology
- Human and Public Services
- Information Technology
- Manufacturing, Engineering, Technology and Trades

WHY PURSUE?

Endorsements incentivize career exploration and development. Attaining a CCPE serves as a quality indicator of your readiness to enter an industry or to pursue further education.

CCPEs show employers you are proficient in the following:

- 1) Teamwork and Conflict Resolution
- 2) Communication
- 3) Problem Solving
- 4) Decision Making
- 5) Critical Thinking
- 6) Adaptability and Flexibility
- 7) Initiative and Self-Drive
- 8) Reliability and Accountability
- 9) Cultural Competence
- 10) Planning and Organizing

HOW DO I OBTAIN A CCPE?

Students will need to do the following in high school to obtain their Endorsement:



CAREER ASSESSMENT

Discover what you are interested in by taking this simple assessment.

Your personality, interests, abilities, talents, skills and values all make up who you are. This can be a big help in determining what type of career path you'd like to pursue.

STEP 1

DOER

- Fix mechanical things
- Take a woodworking class
- Take an auto mechanics class
- Work outdoors
- Operate motorized machines or equipment
- Build things
- Work alone
- Tend/train animals
- Solve mechanical puzzles
- Plant a garden
- Read a blueprint
- Play a sport

Total

CREATOR

- Sketch, draw or paint by hand or computer
- Play in a band or orchestra
- Create photographs
- Act in a play
- Design fashions or interiors
- Read fiction or poetry
- Attend concerts, theater, or art exhibits
- Work on crafts
- Work according to your own rules
- Use your imagination to do something original
- Write stories and poetry

Total

THINKER

- Perform scientific projects
- Study the stars
- Solve a problem
- Investigate something
- Read scientific books or magazines
- Use logic and analytics
- Use a microscope
- Do complicated calculations
- Understand physics laws and theories
- Learn about a new subject area
- Do lab experiments
- Create software, websites, or videogames

Total

STEP 2

DOER CAREER PATHS

Agriculture, Food and Natural Resources
 Information Technology
 Architecture and Construction
 Energy
 Manufacturing
 Transportation, Distribution and Logistics

CREATOR CAREER PATHS

Arts, A/V Technology and Communications
 Human Services
 Marketing, Sales and Service
 Education and Training
 Architecture and Construction
 Science, Technology, Engineering and Mathematics

THINKER CAREER PATHS

Agriculture, Food and Natural Resources
 Business, Management and Administration
 Finance
 Health Science
 Information Technology
 Energy
 Manufacturing
 Science, Technology, Engineering and Mathematics

STEP 1

Check all activities below that interest you. Count the number of marked activities in each group, and write the total in the box provided.

Which group had the highest number of marked activities? Find that group below, and explore the various career paths within that group, located throughout the Career Guide.

STEP 2

HELPER

- Work as a volunteer for a charity
- Help others with their personal problems
- Care for others
- Teach someone something
- Lead a group discussion
- Play a team sport
- Help others resolve a dispute
- Participate in a meeting
- Enjoy talking to people
- Work with young people
- Plan and supervise an activity

Total

PERSUADER

- Operate own business
- Serve as a group officer
- Supervise others' work
- Lead a group to accomplish a goal
- Meet important people
- Give a talk or speech
- Promote an idea
- Take on responsibility
- Participate in a political campaign
- Defend your position through social media or debate
- Read business publications
- Sell things

Total

ORGANIZER

- Operate office machines
- Compute business figures
- Take an accounting class
- Work in an office
- Write a business letter
- Use a computer
- Keep accurate records
- Be responsible for details
- Type or use word processing software
- Be very well organized
- Set up a system for doing something
- Work with numbers

Total

HELPER CAREER PATHS

Hospitality and Tourism
Health Science
Education and Training
Government and Public Administration
Human Services
Law, Public Safety, Corrections and Security

PERSUADER CAREER PATHS

Arts, A/V Technology and Communications
Business, Management and Administration
Hospitality and Tourism
Marketing, Sales and Service
Education and Training
Law, Public Service, Corrections and Security

ORGANIZER CAREER PATHS

Business, Management and Administration
Finance
Government and Public Adm.
Information Technology
Architecture and Construction
Transportation, Distribution and Logistics
Agriculture, Food and Natural Resources

AGRICULTURE, FOOD AND NATURAL RESOURCES

AGRICULTURE, FOOD AND NATURAL RESOURCES



**DO YOU LIKE USING SCIENCE TO SOLVE REAL WORLD PROBLEMS?
DO YOU LIKE WORKING WITH PEOPLE OR ANIMALS?**
Check out careers in Agriculture, Food and Natural Resources.

WHAT IS IT?

Agriculture, Food, and Natural Resources workers produce and sell a variety of products ranging from food to raw materials, and also help manage our environment. Agribusinesses produce livestock, field crops, and fruit and vegetable produce, along with processing these products and marketing them for consumers to purchase. People working in natural resource focus on preserving the soil, water and air as well as maintaining and improving our natural environments. Scientists working in this field are always looking for ways to improve the products and techniques used in modern agriculture.

LEADS TO THESE JOBS:

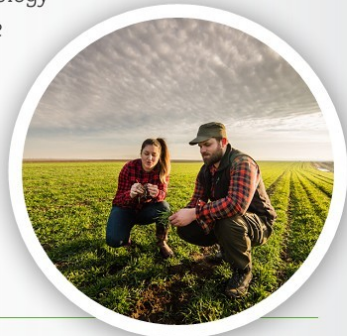
- Agricultural Educator
- Agribusiness Manager
- Agricultural Sales and Service
- Biotechnology Researcher
- Food Scientist
- Plant or Animal Laboratory Technician
- Wildlife/Conservation Agent

WHAT WILL I DO?

Careers can range from working in an innovative scientific laboratory to being outdoors raising plants and animals. Greenhouse workers grow plants, flowers, trees and shrubs for residential or commercial use. Environmental scientists and technicians study and analyze our land and water to maintain a balance between industry growth and sustainability. Agricultural and environmental educators help students apply concepts from math and science to real life problems like water quality, food safety, management of public lands, and wildlife conservation.

IS THIS FOR ME?

- Likes problem-solving
- Enjoys using technology
- Likes to help people
- Wants a high-impact job
- Likes to work with data
- Likes animals or plants



EMPLOYER SPOTLIGHT:

FUTURECEUTICALS, INC.

Momence, IL
www.futureceuticals.com



Based 50 miles south of Chicago, FutureCeuticals, Inc. is an industry leader in the research, development and manufacture of fruit, vegetable, and grain-based products for the functional food, cosmetics, and dietary supplement markets.

We are vertically integrated from field to finished product, with over 1300 conventional and 300 certified organic acres of farmland and over 1,000,000 square feet of manufacturing and research facilities throughout the Midwest, California, and Europe.



IN-DEMAND OCCUPATIONS IN ILLINOIS

Education Level	Career Path	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years	Training Time Needed
High School	Agricultural Equipment Operator	\$34,063	3%	2,550	Moderate-term On-the-job Training
	Farmer / Greenhouse Worker	\$27,043	1%	11,920	Short-term On-the-job Training
	Food Processor	\$23,508	9%	13,280	Moderate-term On-the-job Training
	Waste Material Collectors	\$52,926	11%	4,910	Short-term On-the-job Training
Associate's Degree	Agricultural and Food Science Technician	\$38,772	4%	810	Associate's Degree
Bachelor's Degree	Environmental Engineer	\$85,400	9%	1,220	Bachelor's Degree
	Soil and Plant Scientist	\$55,070	11%	610	Bachelor's Degree

Source – Illinois Department of Employment Security, 2017



AGRICULTURE, FOOD AND NATURAL RESOURCES ENDORSEMENT

By pursuing coursework related to **Agriculture, Food and Natural Resources** careers in high school, you have the opportunity to receive an **Agriculture, Food and Natural Resources Endorsement** with your diploma upon high school graduation.

ARTS, AUDIO/VIDEO TECHNOLOGY AND COMMUNICATIONS



DO YOU LOVE TO EXPRESS YOURSELF OR COMMAND “THE STAGE”? Take a look at Arts, A/V Technology and Communications.

WHAT IS IT?

Art today is found not just in museums, but in products, advertising, and computer games that we see every day. Audio and video technology is behind the scenes of TV programs, movies, commercials and theater productions watched by billions of people every year. Communications careers can be found delivering and producing the news, creating memorable stories, and contributing to advertising, marketing and public relations.

WHAT WILL I DO?

An artist, graphic designer or photographer might use their skills to help create the latest award-winning commercial. If you're a soundboard technician, you will make sure your audience can perfectly hear the actors or musicians that are performing, or the news anchors who are reporting their stories. Marketing and communication professionals help businesses better sell their products to consumers, and help organizations of all types reach their audiences.

LEADS TO THESE JOBS:

- Actor
- A/V Technician
- Camera Operator
- Graphic Designer
- Marketing Manager
- Photographer
- Political Campaign Manager
- Public Relations Specialist



IS THIS FOR ME?

- Creative
- Good communicator
- Story-teller
- Likes technology
- Team player



EMPLOYER SPOTLIGHT:

NEWSCHANNEL 20
Springfield, IL
www.newschannel20.com



WICS Newschannel 20 provides local news, weather forecasts, traffic updates, sports and entertainment programming for Springfield and nearby towns and communities.

Owned by Sinclair Broadcast Group, we believe people are our most important asset, and that we are the employer of choice in the broadcast industry. Our teams make the critical difference in how we perform and their skills, talents and determination separate us from our competitors.



IN-DEMAND OCCUPATIONS IN ILLINOIS

Education Level	Career Path	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years	Training Time Needed
High School	Audio and Video Equipment Technician	\$36,407	11%	3,110	Long-term On-the-job Training
	Camera Operators/TV/Video/Motion Picture	\$44,704	3%	640	Moderate-term On-the-job Training
Bachelor's Degree	Graphic Designer	\$52,226	6%	11,330	Bachelor's Degree
	Technical Writer	\$67,135	4%	1,720	Bachelor's Degree
	Multi-Media Artist and Animator	\$56,522	3%	1,850	Bachelor's Degree

Source – Illinois Department of Employment Security, 2017



ARTS AND COMMUNICATIONS ENDORSEMENT

By pursuing coursework related to **Arts, A/V Technology and Communications** careers in high school, you have the opportunity to receive an **Arts and Communications Endorsement** with your diploma upon high school graduation.

BUSINESS, MANAGEMENT AND ADMINISTRATION



**DO YOU THINK YOU'RE AN ENTREPRENEUR?
DO YOU LIKE TO ORGANIZE THINGS?**
Check out Business, Management and Administration

WHAT IS IT?

Business, Management and Administration is responsible for managing the day-to-day operations of business organizations, whether managing the company as an owner, executive or general manager, overseeing administration as an operations manager, or helping to support the business as an administrative assistant or receptionist.

LEADS TO THESE JOBS:

- Administrative Support
- Bookkeeper
- Business Intelligence Management
- Executive / Owner
- General Manager
- Human Resources Specialist
- Operations Management
- Training Supervisor

WHAT WILL I DO?

Managers and owners oversee the business day-to-day, decide what products to make, and how to run the business better. As an accountant or bookkeeper, you keep track of invoices, payments, and revenue. Human resource and training professionals make sure employees are working to their fullest potential. Administrative assistants take on administrative tasks that free-up time and make a company more efficient.

IS THIS FOR ME?

- Decision maker
- Multi-task
- Leader
- Motivator
- Strong communicator
- Good at numbers



EMPLOYER SPOTLIGHT:

WALGREENS

Deerfield, IL
www.walgreens.com



With almost 600 locations in Illinois alone, Walgreens is one of the largest pharmacy stores in the world, with over 9,500 stores throughout the U.S.

We believe stronger communities and careers are everyone's business. A career at Walgreens means joining a company that has been dedicated to our customers and communities we serve for over 100 years.

We employ hundreds of business, management and administration workers at our corporate headquarters outside of Chicago.

IN-DEMAND OCCUPATIONS IN ILLINOIS

Education Level	Career Path	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years	Training Time Needed
High School	Medical Secretary	\$33,757	9%	17,340	Post-secondary Vocational Award
	Office Support / Administrative	\$37,682	3%	17,520	Short-term On-the-job Training
	Receptionist	\$28,192	3%	54,440	Short-term On-the-job Training
Bachelor's Degree	General and Operations Manager	\$101,706	8%	113,370	Bachelor's or Higher Degree, Plus Work Experience
	Human Resources Specialist	\$56,913	6%	22,290	Bachelor's Degree
	Management Analyst	\$79,236	14%	41,710	Bachelor's or Higher Degree, Plus Work Experience
	Training and Development Specialist	\$57,080	10%	11,150	Bachelor's Degree

Source – Illinois Department of Employment Security, 2017



FINANCE AND BUSINESS SERVICES ENDORSEMENT

By pursuing coursework related to **Business, Management and Administration** careers in high school, you have the opportunity to receive a **Finance and Business Services Endorsement** with your diploma upon high school graduation.

FINANCE



DO YOU LIKE TO MAKE AND SAVE YOUR MONEY?

Maybe a career in Finance is for you.

WHAT IS IT?

Finance is in the business of money. Banks loan money to individuals and business, and offer a place for you to keep your money safe and earn interest. Financial service companies help you manage and grow your money. The insurance industry provides families and companies with financial protection in case of accidents or emergencies.

LEADS TO THESE JOBS:

- Bank Teller
- Credit Analyst
- Financial Planner
- Insurance Claims Clerk
- Loan Officer
- Stock Broker
- Tax Specialist



WHAT WILL I DO?

Bankers will loan money to someone wanting to buy a car or house, or to businesses wanting to expand their facilities or buy another company. If you are a Financial Planner, you might help create an investment plan for a family to retire comfortably. Insurance agents sell different types of insurance to help protect someone in case of a car accident, house damage, health emergency, business disruption, or even death.

IS THIS FOR ME?

- Strong math skills
- Good communicator
 - Persuasive
 - Detailed oriented
 - Project management skills



EMPLOYER SPOTLIGHT:

STATE FARM

Bloomington, IL
www.statefarm.com



Proudly headquartered in Bloomington, IL, State Farm is one of the largest insurance and financial services companies in the U.S. with over 70,000 employees. We are the largest auto insurance provider in the county, also providing home, property, and life insurance, as well as financial services.

Working at State Farm takes heart. We help customers protect the things that matter most to them, helping them get back on their feet after an accident.

Start a career with the Good Neighbor.



IN-DEMAND OCCUPATIONS IN ILLINOIS

Education Level	Career Path	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years	Training Time Needed
High School	Billing Clerk	\$37,698	7%	16,770	Moderate-term On-the-job Training
	Insurance Claims Processing Clerk	\$42,020	10%	10,910	Moderate-term On-the-job Training
	Loan Interviewer and Clerk	\$42,078	5%	8,860	Short-term On-the-job Training
Bachelor's Degree	Accountant and Auditor	\$69,663	8%	55,070	Bachelor's Degree
	Financial Analyst	\$76,063	7%	13,090	Bachelor's Degree
	Financial Manager	\$117,834	17%	34,480	Bachelor's or Higher Degree, Plus Work Experience
	Loan Officer	\$68,246	4%	11,610	Bachelor's Degree

Source – Illinois Department of Employment Security, 2017



FINANCE AND BUSINESS SERVICES ENDORSEMENT

By pursuing coursework related to **Finance** careers in high school, you have the opportunity to receive a **Finance and Business Services Endorsement** with your diploma upon high school graduation.

HOSPITALITY AND TOURISM



DO YOU ENJOY SEEING PEOPLE HAVING A GOOD TIME?

Check out careers in Hospitality and Tourism.

WHAT IS IT?

Hospitality and Tourism is the business of recreation and entertainment. Hotels and resorts house people when they vacation or travel, focusing on their guests' comfort and well-being. People like to go out to eat, and restaurants exist not only to feed people, but to give them a memorable experience. Venues like amusement parks, casinos and sports arenas provide their visitors with entertainment and great customer service.

LEADS TO THESE JOBS:

- Amusement Park Attendant
- Chef and Cook
- Food Service Manager
- Gaming Supervisor
- Hotel Clerk
- Travel Guide
- Waiter and Waitress



WHAT WILL I DO?

As a hotel worker you will greet guests, attend to their needs, and make them feel comfortable away from home. Restaurant workers prepare unique meals, serve food to guests, and provide outstanding customer service. If you work in the entertainment industry, you will provide a special experience to your guests, knowing that they are there to have a good time and forget about their worries at home.

IS THIS FOR ME?

- Strong people skills
- Flexible schedule
- Longer hours
- Passion to make people happy
- Attention to detail



EMPLOYER SPOTLIGHT:

HYATT
Chicago, IL
www.hyatt.com



Based in downtown Chicago, Hyatt is a global hospitality company that manages 777 luxury hotels, resorts, and vacation properties across 54 countries. Fortune magazine named us one of “America’s Best Employers” in 2018.

We employ thousands of hospitality workers across hotel management, food and beverage, and corporate administration.

Find your place. When you join the Hyatt family, you are joining a world of possibility.

IN-DEMAND OCCUPATIONS IN ILLINOIS

Education Level	Career Path	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years	Training Time Needed
High School	Amusement and Recreation Attendant	\$21,456	7%	22,930	Short-term On-the-job Training
	Chef and Head Cook	\$43,640	13%	7,290	Work Experience in a Related Occupation
	Concierge	\$32,412	12%	1,710	Moderate-term On-the-job Training
	Host and Hostess	\$21,376	12%	36,480	Short-term On-the-job Training
	Hotel and Resort Desk Clerk	\$22,463	13%	11,650	Short-term On-the-job Training
	Lodging Manager	\$38,946	9%	1,780	Work Experience in a Related Occupation
Bachelor's Degree	Meeting and Event Planner	\$49,827	7%	6,670	Bachelor's Degree
	Property Manager	\$59,221	7%	8,910	Bachelor's Degree

Source – Illinois Department of Employment Security, 2017



FINANCE AND BUSINESS SERVICES ENDORSEMENT

By pursuing coursework related to **Hospitality and Tourism** careers in high school, you have the opportunity to receive a **Finance and Business Services Endorsement** with your diploma upon high school graduation.

MARKETING, SALES AND SERVICE



ARE YOU PERSUASIVE? ARE YOU A PEOPLE-PLEASER?

Consider a career in Marketing, Sales and Service.

WHAT IS IT?

Careers in Marketing, Sales and Service help businesses of all types help market and sell their products or services. If companies develop a product or service and don't sell it, they will go out of business quickly. Through effective advertising to attract potential buyers, a powerful sales team or online sales website, and superior service to keep customers happy, businesses are able to generate revenue and hopefully make a profit.

LEADS TO THESE JOBS:

- Advertising Manager
- Cashier / Retail Sales
- Customer Support
- Digital Marketing Specialist
- Inside Sales / Telemarketer
- Market Research Analyst
- Merchandiser
- Sales Representative

WHAT WILL I DO?

Marketing professionals create demand for their company's products or services, persuading potential customers that their service will fulfill their need. Sales people build relationships with potential customers, understand their problems, and present their solutions to produce sales. Service workers make sure customers' needs are met and their problems are solved, and are responsible for making sure their customers are happy and purchase repeatedly.

IS THIS FOR ME?

- Strong people skills
- Persuasive
- Goal-oriented
- Creative
- Problem solver
- Self-starter



EMPLOYER SPOTLIGHT:

DOT FOODS

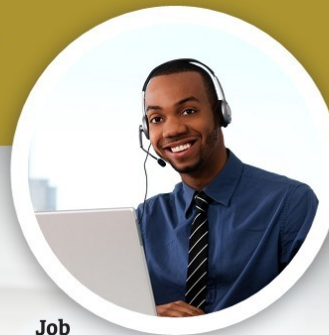
Mt. Sterling, IL
www.dotfoods.com



From its modest headquarters in west-central Illinois, Dot Foods has grown to be the largest foodservice redistribution company in the U.S. Offering over 112,000 products from 830 food manufacturers, Dot is listed as the 67th largest private company in America according to Forbes.

We offer career paths in sales and business development, helping to market our customers' products. We have never had a layoff, and 2/3 of our managers are hired from within.

Dot Foods is a place where everyone matters.



IN-DEMAND OCCUPATIONS IN ILLINOIS

Education Level	Career Path	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years	Training Time Needed
High School	Customer Service Representative	\$34,138	2%	156,260	Moderate-term On-the-job Training
	Retail Salesperson	\$22,968	3%	277,120	Short-term On-the-job Training
	Sales Representative	\$49,829	8%	93,940	Moderate-term On-the-job Training
Bachelor's Degree	Insurance Sales Agent	\$45,822	8%	43,680	Bachelor's Degree, or Licensure Exam
	Market Research Analyst	\$58,182	22%	29,600	Bachelor's Degree
	Marketing Manager	\$111,814	9%	13,750	Bachelor's or Higher Degree, Plus Work Experience

Source – Illinois Department of Employment Security, 2017



FINANCE AND BUSINESS SERVICES ENDORSEMENT

By pursuing coursework related to **Marketing, Sales and Service** careers in high school, you have the opportunity to receive a **Finance and Business Services Endorsement** with your diploma upon high school graduation.

HEALTH SCIENCE



**ARE YOU INTERESTED IN HEALTHCARE OR MEDICINE?
DO YOU LIKE HELPING PEOPLE?**

Explore a career in Health Science.



WHAT IS IT?

Healthcare careers focus on the health and well-being of patients, and advancing the cause of medicine. Work is performed generally in hospitals or clinics, but can also be found in offices, nursing facilities, and increasingly, people's homes. Technology has been transforming healthcare in recent years, allowing patients to receive better care and live longer, more productive lives.

LEADS TO THESE JOBS:

- Certified Nursing Assistant
- Dietician
- Health Information Technician
- Home Health Aide
- Medical Billing Coder
- Pharmacy Technician
- Physician
- Registered Nurse
- Therapist



WHAT WILL I DO?

Physicians, nurses, and therapists work directly with patients to diagnose, treat, and comfort their patients. Researchers, biomedical engineers, and technicians work in the laboratory developing new cures for disease. You might also work as a medical assistant or health information specialist that keeps history of medical records for insurance or future use.

IS THIS FOR ME?

- Like to help people
- Patient
- Work well under stress
- Empathetic
- Flexible
- Interested in the human body
- Enjoy math and science



EMPLOYER SPOTLIGHT:

HEARTLAND REGIONAL MEDICAL CENTER

Marion, IL
www.heartlandregional.com



Serving the Southern Illinois community since 1977, Heartland Regional Medical Center is a community medical provider offering a comprehensive range of health and hospital services including diagnostic, medical, surgical and emergency services.

Our partnership with rural Johnston City High School has provided students a variety of job-shadowing, volunteer, work-based learning, scholarship and employment opportunities. Collaboration has allowed secondary students who are CNAs to also complete the clinical skills necessary for phlebotomy certification. Planning continues to provide additional educational, credentialing and career opportunities.

IN-DEMAND OCCUPATIONS IN ILLINOIS

Education Level	Career Path	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years	Training Time Needed
High School	Emergency Medical Technician	\$31,623	10%	9,160	Postsecondary Vocational Award
	Home Health Aide	\$23,280	25%	59,010	Short-term On-the-job Training
	Nursing Assistant	\$26,521	5%	73,410	Postsecondary Vocational Award
	Pharmacy Technician	\$31,301	5%	16,030	Moderate-term On-the-job Training
Associate's Degree	Dental Hygienist	\$73,531	9%	5,830	Associate's Degree
Bachelor's Degree	Registered Nurse	\$70,189	15%	86,920	Bachelor's Degree
Master's Degree	Physical Therapist	\$89,574	19%	7,400	Master's Degree

Source – Illinois Department of Employment Security, 2017



HEALTH SCIENCES AND TECHNOLOGY ENDORSEMENT

By pursuing coursework related to **Health Science** careers in high school, you have the opportunity to receive a **Health Sciences and Technology Endorsement** with your diploma upon high school graduation.

EDUCATION AND TRAINING



DO YOU LOVE KIDS? DO YOU ENJOY BABYSITTING?

Consider a career in Education and Training.

WHAT IS IT?

Education is the teaching and training of people, usually younger ages from pre-school through high school or college. Every young person deserves education, which is required in most states through high school, so there will always be demand for teachers. Education workers most frequently work in traditional schools, but can also be found in sports activities, libraries, churches, and after-school activities.

LEADS TO THESE JOBS:

- Administrator
- Career and Technical Education Instructor
- High School Teacher
- Librarian
- Pre-School Teacher
- Principal
- Secondary Teacher
- Teaching Aide

WHAT WILL I DO?

Teachers educate children, guiding them through their early years, serving as mentors, and training them on both traditional skills like writing, math, and science, as well as personal skills like respecting others, time management, and personal responsibility. A background in education can also lead to becoming a counselor, librarian, coach, and even principal.

IS THIS FOR ME?

- Like and relate to children
- Empathetic
- Compassionate
- Strong communication
- Creative
- Flexible and adaptive



**2019 ILLINOIS
TEACHER
OF THE YEAR:**

**SUSAN
CONVERSE**

Edwardsville
High School
Edwardsville, IL



Former journalist turned special education teacher, Susan began her teaching career in 1995 and has taught at the elementary, middle school, and high school level.

Susan opened the Tiger Den Coffee Shop in 2016, a self-supported vocational training center within Edwardsville High School. The coffee shop serves as a stepping stone to competitive employment for her students, several of whom are now employed locally within the community.



**IN-DEMAND
OCCUPATIONS IN ILLINOIS**

Education Level	Career Path	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years	Training Time Needed
High School	Child Care Worker	\$22,409	4%	46,950	Short-term On-the-job Training
	Teacher Assistant	\$25,606	5%	60,770	Short-term On-the-job Training
Bachelor's Degree	Career and Tech Education Teacher	\$59,764	3%	910	Bachelor's or Higher Degree, Plus Work Experience
	Elementary School Teacher	\$58,818	4%	43,190	Bachelor's Degree
	Secondary Teacher	\$63,682	4%	31,070	Bachelor's Degree
	Librarian	\$52,932	3%	6,130	Master's Degree
Doctoral Degree	Postsecondary Teacher	\$56,425	3%	56,450	Doctoral Degree

Source – Illinois Department of Employment Security, 2017



HUMAN AND PUBLIC SERVICES ENDORSEMENT

By pursuing coursework related to **Education and Training** careers in high school, you have the opportunity to receive a **Human and Public Services Endorsement** with your diploma upon high school graduation.

GOVERNMENT AND PUBLIC ADMINISTRATION



DO YOU LIKE SERVING YOUR LOCAL COMMUNITY?
Check out a career in Government and Public Administration.

WHAT IS IT?

The government is the number one employer in the country, whether at the federal, state, or local level. Government and Public Administration workers are a critical component of our everyday lives, and jobs are plentiful. They help set-up and monitor businesses, keep our roads maintained, safe and clean, create and administer new laws, and provide health services for the well-being of its residents.

LEADS TO THESE JOBS:

- Court Clerk
- Inspector
- Legislator / Elected Official
- Occupational Health and Safety Technician
- Transportation Official
- Urban Planner
- Village Clerk / Manager



WHAT WILL I DO?

Building inspectors make sure that residential and commercial properties are safe, structurally up to code, and accessibly for those with disabilities. Urban planners will create proposals for new real estate development, taking in to account affordable housing and transportation accessibility. Elected local officials will listen to the needs of their constituency and propose laws to improve their communities.

IS THIS FOR ME?

- Willing to serve others
- Community minded
- Detailed-oriented
- Good people skills
- Like to make a difference
- Team-player



EMPLOYER SPOTLIGHT:

OFFICE OF THE ILLINOIS SECRETARY OF STATE

Springfield, IL
cyberdriveillinois.com



The IL Secretary of State manages one of the largest computer databases in Illinois, tracking 8.7 million drivers, 700,000 companies, and 159,000 registered securities sales-persons. We also educate Illinois residents on anti-drunk driving, traffic safety, literacy, and organ donation.

Our official duty is to maintain official state records, performed by 4,000 employees across 20 departments throughout the state. We also generate \$2 billion in annual revenue, with \$1.2 billion designated for state highway construction.

IN-DEMAND OCCUPATIONS IN ILLINOIS

Education Level	Career Path	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years	Training Time Needed
High School	Municipal and License Clerk	\$38,693	4%	5,090	Short-term on-the-job training
	Compliance Officer	\$69,880	6%	7,270	Long-term On-the-job Training
	Construction and Building Inspector	\$63,191	8%	3,240	Work Experience in a Related Occupation
	Eligibility Interviewer, Gov't Programs	\$50,162	4%	1,870	Moderate-term On-the-job Training
	Police, Fire and Ambulance Dispatcher	\$47,572	5%	3,840	Moderate-term On-the-job Training
Bachelor's Degree	Financial Examiner	\$92,967	5%	1,640	Bachelor's Degree
	Occupational Health and Safety Specialist	\$75,291	5%	1,230	Bachelor's Degree
Master's Degree	Urban and Regional Planner	\$75,019	10%	680	Master's Degree

Source – Illinois Department of Employment Security, 2017



HUMAN AND PUBLIC SERVICES ENDORSEMENT

By pursuing coursework related to **Government and Public Administration** careers in high school, you have the opportunity to receive a **Human and Public Services Endorsement** with your diploma upon high school graduation.

HUMAN SERVICES



DO YOU LIKE HELPING AND SERVING OTHERS?

Consider a career in Human Services.

WHAT IS IT?

Human Services careers involve directly helping individuals or families. This might be through the government, healthcare facility, non-profit agency, school, church, or salon. Careers in the human service field include helping people in time of need, giving people food or shelter, counseling them on improving their lives, or simply making them look and feel their best.

LEADS TO THESE JOBS:

- Cosmetologist
- Counselor
- Fitness Instructor
- Massage Therapist
- Personal Care Aide
- School Counselor
- Social Worker



WHAT WILL I DO?

Cosmetology includes hair stylists trained on cutting, designing and coloring hair, nail technicians that make sure their client's finger and toe nails are healthy and beautiful, and skin care specialists making skin feel smooth, soft, and healthy. As a social worker, you might help a family get through a death in the family or loss of a job. Fitness instructors are in high demand, helping people get in shape and lose weight.

IS THIS FOR ME?

- Willing to serve others
- Good people skills
- Team-player
- Patience
- Empathetic



**2018 NATIONAL ASSN.
OF SOCIAL WORKERS
– ILLINOIS CHAPTER**

**EMERGING LEADER
OF THE YEAR**

CAROLYN WAHLKOG

360 Youth Services LGBTQ
Transitional Housing
Program

Naperville, IL



Carolyn is a Senior Program Manager at 360, helping youth who are experiencing homelessness in Naperville.

She centers on young people, gender self-determination, and access to systems as she works with youth, families, and communities to find equitable and affirming care in schools, housing, healthcare, and the legal system.

“Carolyn is the best role model for clinicians who strive to provide safe and affirming care to individuals. She makes everyone she encounters feel valued and important.”

**IN-DEMAND
OCCUPATIONS IN ILLINOIS**

Education Level	Career Path	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years	Training Time Needed
High School	Cosmetologist	\$24,618	4%	30,210	Postsecondary Vocational Award
	Personal Care Aide	\$22,516	20%	84,670	Short-term On-the-job Training
	Social Service Assistant	\$29,606	7%	16,490	Moderate-term On-the-job Training
Bachelor's Degree	Social Worker	\$69,382	6%	13,240	Bachelor's Degree
Master's Degree	School Counselor	\$49,947	7%	12,560	Master's Degree
	Clergy	\$46,591	4%	19,340	Master's Degree
Professional Degree	Psychologist	\$72,169	6%	3,370	First Professional Degree

Source – Illinois Department of Employment Security, 2017



HUMAN AND PUBLIC SERVICES ENDORSEMENT

By pursuing coursework related to **Human Services** careers in high school, you have the opportunity to receive a **Human and Public Services Endorsement** with your diploma upon high school graduation.

LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY



**HAVE YOU ALWAYS WANTED TO BE A POLICE OFFICER
OR FIREFIGHTER?** Explore careers in Law, Public Safety,
Corrections and Security.

WHAT IS IT?

Law, Public Safety, Corrections and Security careers are responsible for serving and protecting their communities and enforcing laws. The judicial system is responsible for upholding the law and punishing those who break the law. Public safety jobs keep people safe from crime and danger. Security careers are often found in the private sector, providing additional safety and security at businesses, schools, and larger events.

LEADS TO THESE JOBS:

- Corrections Officer
- Emergency Medical Technician
- Firefighter
- Judge
- Paralegal
- Police Officer
- Security Guard



WHAT WILL I DO?

You might be a lawyer, providing legal services to an individual charged with a crime or breaking the law. A corrections officer is responsible for monitoring prisoners or those recently released from jail. Police officers keep their local community safe, many times pro-actively preventing crimes and danger before it happens. Firefighters not only put out fires, but also recommend safety tips to local households and businesses.

IS THIS FOR ME?

- Strong character and integrity
- Sense of community
- Courage
- Time flexibility
- Compassion
- Physical strength



EMPLOYER SPOTLIGHT:

DEKALB FIRE DEPARTMENT

DeKalb, IL
<https://www.cityofdekalb.com/148/Fire-Department>



The DeKalb Fire Department consists of 52 sworn employees, supporting 3 fire stations. We protect over 50,000 people, serving 55 square miles including the City of DeKalb and Northern Illinois University.

Employing firefighters, paramedics, emergency medical technicians, and administration, we value all employees, strive to develop mutual respect and trust, while treating each other with dignity and fairness.



IN-DEMAND OCCUPATIONS IN ILLINOIS

Education Level	Career Path	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years	Training Time Needed
High School	Firefighters	\$51,849	4%	12,700	Long-term On-the-job Training
	Police Officer	\$79,923	4%	23,760	Long-term On-the-job Training
	Security Guard	\$29,130	5%	73,820	Short-term On-the-job Training
Associate's Degree	Paralegal	\$54,674	16%	12,980	Associate's Degree
Professional Degree	Lawyer	\$115,533	8%	18,710	First Professional Degree

Source – Illinois Department of Employment Security, 2017



HUMAN AND PUBLIC SERVICES ENDORSEMENT

By pursuing coursework related to **Law, Public Safety, Corrections and Security** careers in high school, you have the opportunity to receive a **Human and Public Services Endorsement** with your diploma upon high school graduation.

INFORMATION TECHNOLOGY

INFORMATION TECHNOLOGY



DO YOU “GET” COMPUTERS?
Check out these careers in Information Technology.

WHAT IS IT?

Computers can be found today in almost every home, business, and industry. The demand for people with information technology is very high. Information technology involves developing and maintaining computer systems and applications for individuals and organizations to conduct their everyday business. It also includes installing, trouble-shooting, fixing, and repairing computers or similar devices so that they run smoothly and efficiently.

LEADS TO THESE JOBS:

- Business Intelligence Analyst
- Computer Programmer
- Computer Support Specialist
- Database Administrator
- Information Security Analyst
- Network Support Specialist
- Software Engineer
- Systems Administrator
- Web Developer

WHAT WILL I DO?

If you work in information technology, you might be a network administrator, responsible for a company’s entire computer network system. As a computer programmer, you will work on developing code that creates an application used by businesses to perform certain tasks. A business intelligence analyst might analyze data that helps an organization make better strategic business decisions.

IS THIS FOR ME?

- Computer skills
- Good at math
- Attention to detail
- Patience and persistence
- Customer service
- Focused



EMPLOYER SPOTLIGHT:

LEVI, RAY AND SHOUP, INC.

Springfield, IL
www.LRS.com



A privately held multinational corporation based in Springfield, IL, Levi, Ray and Shoup, Inc. develops and sells computer software and provides a wide-range of IT services.

With offices located in dozens of cities worldwide, LRS is consistently listed in the top 200 software companies in Software Magazine's annual "Software 500" survey.

We've built a solid reputation for dealing with our clients and employees with honesty, integrity, and respect. We are interested in hiring candidates who can help us maintain that reputation every day.



IN-DEMAND OCCUPATIONS IN ILLINOIS

Education Level	Career Path	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years	Training Time Needed
Associate's Degree	Computer User Support Specialist	\$50,722	11%	22,180	Associate's Degree
	Computer Systems Analyst	\$89,335	9%	22,320	Bachelor's Degree
Bachelor's Degree	Information Security Analyst	\$94,134	23%	4,260	Bachelor's Degree
	Network Systems Administrator	\$84,387	5%	9,660	Bachelor's Degree
	Software Developer	\$93,509	28%	26,940	Bachelor's Degree
	Web Developer	\$72,537	15%	5,470	Bachelor's Degree

Source – Illinois Department of Employment Security, 2017



INFORMATION TECHNOLOGY ENDORSEMENT

By pursuing coursework related to **Information Technology** careers in high school, you have the opportunity to receive an **Information Technology Endorsement** with your diploma upon high school graduation.

ARCHITECTURE AND CONSTRUCTION



LOVE TO BUILD THINGS WITH YOUR HANDS?
Check out a career in Architecture and Construction.

WHAT IS IT?

Construction workers helped build the house you live in, the school you attend, the buildings where people work, and the roads you drive on. Essentially most any home, building, or structure is built by construction workers involved in a variety of tasks, from designing the blueprints, to putting up the frame of a house or building, to making sure that all the details like plumbing, electrical, heating and air conditioning, and siding is installed properly.

LEADS TO THESE JOBS:

- Architect
- Carpenter
- Construction Worker
- Electrician
- HVAC Technician
- Pipefitter
- Plumber
- Roofer



WHAT WILL I DO?

Architects design the blueprints of the house, building, or structure that the construction workers will follow. Carpenters put up the framework of the building, create cabinets, and build out the framing for doors and windows. Skilled workers like electricians, plumbers, and HVAC technicians, each contribute the finishing details to make sure the home or building is ready to move into.

IS THIS FOR ME?

- Like working with your hands
- Attention to detail
- Quality work
- Manual labor
- Like to work outside
- Good at math



EMPLOYER SPOTLIGHT:

FARNSWORTH GROUP

Bloomington, IL
www.f-w.com



We are a national architecture and engineering firm of 500 professionals, providing design services across commercial, industrial, federal, renewables, healthcare, and higher education industries.

Farnsworth employees have consistently designated us as a "Great Place to Work" in 2018, 2017, and 2016. They are deeply connected to the places they work, improving day-to-day lives in their communities, and building solutions that work as promised for our clients.

IN-DEMAND OCCUPATIONS IN ILLINOIS

Education Level	Career Path	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years	Training Time Needed
High School	Carpenter	\$62,144	6%	32,500	Long-term On-the-job Training
	Electrician	\$77,353	7%	25,800	Long-term On-the-job Training
	Highway Maintenance Worker	\$48,344	4%	7,350	Moderate-term On-the-job Training
	HVAC Installer	\$60,137	13%	7,970	Long-term On-the-job Training
	Mechanical Drafter	\$55,502	6%	3,360	Postsecondary Vocational Award
	Plumbers and Pipefitters	\$82,375	14%	21,580	Long-term On-the-job Training
Associate's Degree	Civil Engineering Technician	\$59,885	9%	1,870	Associate's Degree
Bachelor's Degree	Architect	\$72,836	5%	2,400	Bachelor's Degree
	Construction Manager	\$91,284	7%	9,560	Bachelor's Degree

Source – Illinois Department of Employment Security, 2017



MANUFACTURING, ENGINEERING, TECHNOLOGY AND TRADES ENDORSEMENT

By pursuing coursework related to **Architecture and Construction** careers in high school, you have the opportunity to receive a **Manufacturing, Engineering, Technology and Trades Endorsement** with your diploma upon high school graduation.

ENERGY



DO YOU LIKE TO “POWER” THINGS?

Explore new careers in Energy.

WHAT IS IT?

Energy careers involve creating and supplying power that enables our society to survive. We are completely dependent on energy today, from electricity in our homes, heat in our schools, gas in our cars, and powering our phones. Traditional energy sources like oil and natural gas are still predominant, but alternative energy sources continue to grow like solar, wind, hydro, geothermal, and biothermal.

LEADS TO THESE JOBS:

- Field Service Technician
- Green Building Designer
- Nuclear Engineer
- Petroleum Engineer
- Pipeline Operator
- Solar Manufacturing Technician
- Solar Panel Installer
- Wind Turbine Technician



WHAT WILL I DO?

A pipeline operator is responsible for making sure natural gas is safely and efficiently distributed from the refinery to local sources. Residential solar panel installers allow homes and to run on solar power by installing solar panels on the roofs of homes. Wind turbine technicians make sure the wind turbines operate properly, delivering energy to local distribution systems.

IS THIS FOR ME?

- Good at math and science
- Manual labor
- Problem solving
- Attention to detail
- Like to work outdoors



EMPLOYER SPOTLIGHT:

AMEREN ILLINOIS

Collinsville, IL
www.ameren.com/illinois



Serving 3.3 million electric and natural gas customers across Illinois and Missouri, Ameren is a power company with over 8,600 employees and \$6 billion in annual revenue.

Our customers count on us for dependable energy. We deliver on that promise because our co-workers foster innovation, care about each other and our customers, and understand that transforming the energy industry starts with all of us.

For the 4th year in a row, Ameren has been recognized first among utilities for creating an inclusive workplace by *DiversityInc.*

IN-DEMAND OCCUPATIONS IN ILLINOIS

Education Level	Career Path	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years	Training Time Needed
High School	Electrical Power-Line Installer	\$69,886	11%	3,090	Long-term On-the-job Training
	Oil and Gas Operator	\$38,958	12%	370	Moderate-term On-the-job Training
	Oil Rigger	\$46,523	10%	420	Moderate-term On-the-job Training
	Oil Field Technician	\$34,595	11%	260	Moderate-term On-the-job Training
	Power Plant Operator	\$78,933	1%	1,270	Long-term On-the-job Training
	Wind Turbine Service Technicians	\$63,430	47%	14,750	Moderate-term On-the-job Training
	Solar Panel Installers (national data)	\$42,680	10%	20,423	Post-secondary Vocational Award

Source – Illinois Department of Employment Security, 2017



MANUFACTURING, ENGINEERING, TECHNOLOGY AND TRADES ENDORSEMENT

By pursuing coursework related to **Energy** careers in high school, you have the opportunity to receive a **Manufacturing, Engineering, Technology and Trades Endorsement** with your diploma upon high school graduation.

MANUFACTURING



ARE YOU CURIOUS HOW PRODUCTS ARE CREATED?

Consider a career in Manufacturing.

WHAT WILL I DO?

Manufacturing careers vary depending on the industry and skill level. Automotive and medical products are more automated, where automation technicians are leveraging computers to manage the assembly line. Installers are performing more manual work, assembling products directly with their hands as they move through the assembly line. A fabricator might be using tools to join two pieces of metal together to create a large piece of machinery.

WHAT IS IT?

Manufacturing is the process of designing, making, installing and maintaining various products, whether cars or medical devices, furniture or electronics, or even food. Manufacturing has become much more automated today because of advancements in technology. Career paths now require more technology and computer skills, but are in very high-demand.

LEADS TO THESE JOBS:

- Assembler
- Fabricator
- Installer
- Machine Operator
- Maintenance and Repair
- Manufacturing Technician
- Tool and Die Maker
- Welder



IS THIS FOR ME?

- Attention to detail
- Critical thinker
- Technology-minded
- Good at math and science
- Dependable



EMPLOYER SPOTLIGHT:

US CONVEYOR

Mackinaw, IL

www.usconveyor.net



We are a leading equipment manufacturing and fabrication company, designing systems for the recycling industry.

Based out of our 40,000-sq. foot factory in Mackinaw, IL near Peoria, US Conveyor Technologies uses the latest in technology and design concepts to deliver cutting edge material handling equipment to our customers.

Our staff is experienced and growing!



IN-DEMAND OCCUPATIONS IN ILLINOIS

Education Level	Career Path	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years	Training Time Needed
High School	CNC Operator	\$54,404	18%	1,610	Moderate-term On-the-job Training
	Machinist	\$37,206	4%	36,250	Long-term On-the-job Training
	Packaging Machine Operator	\$30,795	8%	25,700	Short-term On-the-job Training
	Production Worker	\$29,615	12%	26,610	Moderate-term On-the-job Training
	Welder and Fabricator	\$39,271	5%	15,370	Long-term On-the-job Training
	Industrial Machinery Mechanic	\$54,491	10%	12,360	Long-term On-the-job Training

Source – Illinois Department of Employment Security, 2017



MANUFACTURING, ENGINEERING, TECHNOLOGY AND TRADES ENDORSEMENT

By pursuing coursework related to **Manufacturing** careers in high school, you have the opportunity to receive a **Manufacturing, Engineering, Technology and Trades Endorsement** with your diploma upon high school graduation.

MANUFACTURING, ENGINEERING, TECHNOLOGY AND TRADES

SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS



DO YOU LOVE ROBOTS? CURIOUS ABOUT SCIENCE?

Look at careers in Science, Technology, Engineering and Mathematics.

WHAT IS IT?

Science, Technology, Engineering and Mathematics careers (commonly known as STEM) heavily draw from math and science. These careers help shape our future, solve our problems, and innovate new products or systems. Technology is rapidly changing almost every industry – from driverless cars and package-delivering drones, to automated bank tellers and cashier-free grocery stores – and STEM workers are driving these advancements.

LEADS TO THESE JOBS:

- Biochemical Engineer
- Civil Engineer
- Computer Scientist
- Electrical Engineer
- Industrial Engineer
- Mathematician
- Mechatronics Technician
- Scientist
- Statistician

WHAT WILL I DO?

As a computer scientist, you might develop the latest artificial intelligence (AI) application that changes a new industry. Biochemical engineers are working on new chemical materials, like a plastic that is biodegradable. Mechatronic technicians work on automated, robotic manufacturing systems that make manufacturing more efficient. As a civil engineer, you might design new bridges that last 3 times longer than today's outdated bridges.

IS THIS FOR ME?

- Excellent math and science skills
- Detailed-oriented
- Curious
- Problem solver
- Creative



EMPLOYER SPOTLIGHT:

HANSON PROFESSIONAL SERVICES

Springfield, IL
www.hanson-inc.com



Hanson is a nationally recognized, award-winning consulting firm specialized in engineering, planning, and a range of allied services. We work on challenging projects – bridges, airports, transportation systems, power and industry projects – all around the world.

If you're looking for an employee-owned company that encourages innovative thinking, puts people at the center of its work, and offers a sense of ownership, look no further than Hanson.

IN-DEMAND OCCUPATIONS IN ILLINOIS

Education Level	Career Path	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years	Training Time Needed
Associate's Degree	Chemical Technician	\$48,107	3%	2,080	Associate's Degree
	Industrial Engineering Technician	\$55,597	5%	1,730	Associate's Degree
	Mechanical Engineering Technician	\$58,320	4%	1,930	Associate's Degree
Bachelor's Degree	Chemist	\$68,252	7%	3,340	Bachelor's Degree
	Civil Engineer	\$85,593	9%	9,080	Bachelor's Degree
	Electrical Engineer	\$89,232	8%	4,060	Bachelor's Degree
	Industrial Engineer	\$80,895	12%	10,510	Bachelor's Degree
	Mechanical Engineer	\$88,924	6%	10,010	Bachelor's Degree
Master's Degree	Statistician	\$78,443	32%	1,570	Master's Degree

Source – Illinois Department of Employment Security, 2017



MANUFACTURING, ENGINEERING, TECHNOLOGY AND TRADES ENDORSEMENT

By pursuing coursework related to **Science, Technology, Engineering and Mathematics** careers in high school, you have the opportunity to receive a **Manufacturing, Engineering, Technology and Trades Endorsement** with your diploma upon high school graduation.

MANUFACTURING, ENGINEERING, TECHNOLOGY AND TRADES

TRANSPORTATION, DISTRIBUTION AND LOGISTICS



DO YOU LOVE CARS? LIKE TO DRIVE?

Check out a career in Transportation,
Distribution and Logistics.

WHAT IS IT?

Transportation, Distribution and Logistics careers focus on moving products and people by roads, air, railways and water. Transportation of goods is the lifeblood of our economy; without truck drivers, there would be no food on the shelves of the grocery store or packages delivered to your door. Logistics careers manage the network of trucks, planes, buses and ships to make sure products and people safely get to the right place on time.

LEADS TO THESE JOBS:

- Automotive Service Technician
- Automotive Body Technician
- Cargo and Freight Agent
- Forklift Operator
- Logistician
- Motorboat Mechanic
- Railroad Worker
- Truck Driver
- Warehouse Worker



WHAT WILL I DO?

Automotive service technicians are in high-demand, maintaining the millions of cars and trucks on the highway. Bus drivers transport students or commuters locally across town, while long-distance truck drivers transport goods across the country, spending many days away from home. Freight agents and logisticians make sure that the right products get to where they're going and that their cargo-load is full.

IS THIS FOR ME?

- Customer service
- Technical aptitude
- Likes to work with hands
- Problem solver
- Detailed-oriented



EMPLOYER SPOTLIGHT:

UNITED FACILITIES

Peoria, IL
www.unifac.com



United Facilities is a third-party logistics company based in Peoria, IL, offering transportation, warehousing, fulfillment, packaging, and IT logistics services to our customers.

Expansion and innovation is what drives us, growing to over 5 million square feet with operations in 11 cities.

By joining our team, you'll work on challenging projects, constantly learn, and be part of a process that delivers millions of products to consumers every day.

IN-DEMAND OCCUPATIONS IN ILLINOIS

Education Level	Career Path	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years	Training Time Needed
High School	Automotive Body Repairer	\$46,047	4%	7,180	Long-term On-the-job Training
	Automotive Service Technician	\$41,626	4%	30,050	Postsecondary Vocational Award
	Cargo and Freight Agent	\$39,333	11%	5,240	Moderate-term On-the-job Training
	Flight Attendant	\$46,652	20%	16,170	Long-term On-the-job Training
	Heavy Truck and Tractor Driver	\$47,034	7%	81,840	Moderate-term On-the-job Training
	School Bus Driver	\$33,384	7%	28,210	Short-term On-the-job Training
Bachelor's Degree	Airline Pilot	\$124,452	13%	8,300	Bachelor's Degree
	Logistician	\$63,702	9%	6,890	Bachelor's Degree

Source – Illinois Department of Employment Security, 2017



MANUFACTURING, ENGINEERING, TECHNOLOGY AND TRADES ENDORSEMENT

By pursuing coursework related to **Transportation, Distribution and Logistics** careers in high school, you have the opportunity to receive a **Manufacturing, Engineering, Technology and Trades Endorsement** with your diploma upon high school graduation.



TOP 10 REASONS YOU SHOULD CONSIDER CAREER AND TECHNICAL EDUCATION

- 1. Career Exploration
- 2. College Credit
- 3. College and Career Readiness
- 4. Work-Based Learning
- 5. Business Partnerships
- 6. State-of-the-Art Technology
- 7. Career / Technical Student Organizations
- 8. Industry Certifications
- 9. Academic Integration
- 10. Hands-on Learning

WHAT IS CTE IN ILLINOIS?

Career and Technical Education (CTE) prepares individuals for high-skill, high-wage, in-demand employment that furthers Illinois' global competitiveness. CTE programs provide learners with the skills, knowledge, and confidence they need to thrive in college and careers.

All students benefit from career-connected learning that emphasizes real-world skills within a selected career focus. Students gain practical knowledge while discovering and preparing for success in potential careers.

For additional career information please visit:

Illinois Department of Commerce & Economic Opportunity - WWW.ILLINOISWORKNET.COM/EXPLORE

Illinois Community College Board - WWW.ICCB.ORG/CTE

Illinois Department of Employment Security - WWW.ILCIS.INTOCAREERS.ORG



**Illinois
State Board of
Education**



**CAREER &
TECHNICAL
EDUCATION**
Career Connected Learning
for All Students



Visit us at: WWW.ISBE.NET/CTE

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