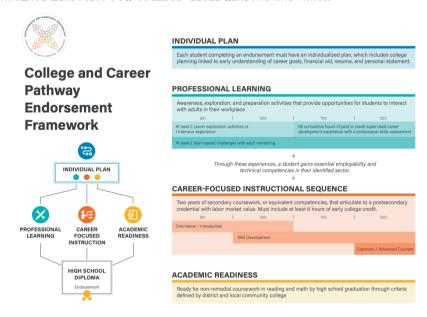


ISBE Career Pathway Endorsements

ILLINOIS' COLLEGE AND CAREER PATHWAY ENDORSEMENT (CCPE) SYSTEM IS A CORNERSTONE STRATEGY OF THE POSTSECONDARY & WORKFORCE READINESS ACT TO INCREASE THE NUMBER OF ILLINOIS HIGH SCHOOL GRADUATES PREPARED FOR POSTSECONDARY EDUCATION AND FUTURE CAREERS. TO EARN A CCPE ON A HIGH SCHOOL TRANSCRIPT, A STUDENT MUST:

- COMPLETE AN INDIVIDUALIZED LEARNING PLAN
- ENGAGE IN A CAREER-FOCUSED INSTRUCTIONAL SEQUENCE (INCLUDING A MINIMUM OF 6 HOURS OF EARLY COLLEGE CREDIT)
- PARTICIPATE IN WORK-BASED LEARNING
- DEMONSTRATE READINESS FOR COLLEGE-LEVEL READING AND MATH



Students who have earned a Career Pathway Endorsement...

- graduate high school with a set of foundational skills for all careers
- have engaged in real world workplace experiences, on the job project based learning, and team challenges
- have foundational employability skills making them highly valuable in the workplace
- are accelerated toward the industry sector due to focused coursework
- are potentially more committed to their major and program when they enter the postsecondary level
- are academically ready for college, placing into college level math and English
- have passed career focused college courses preparing them for postsecondary level academic rigor

Career Pathway Endorsements

Finance & Business Services



ORIENTATION / INTRODUCTION Grades 9-10

SKILL DEVELOPMENT Grades 10-12

CAPSTONE / **ADVANCED** Grades 12



POSTSECONDARY COURSES Recommended 1st Year



Introduction to **Business**

Introduction To Business Principles of Macroeconomics Continue College Sequence



Industrial Technology

Welding/ Fabrication Introduction to Engineering

Principles of Robotics

Introduction to **Business** Engineering Design

Welding/Fabrication I

Manufacturing, Engineering, Technology, & Trades Advanced Engineering

Senior Engineering

Welding/Fabrication II

Introduction to AutoCAD Continue College Sequence



Development

Essentials

Early Childhood III: Creative Activities

Introduction to Teaching

Math for Elementary Teaching 1 Child Development for Educators Continue College Sequence



Information Technology

MobileMakers (IOS)

PLTW Computer Science

Anatomy & Physiology

Information Technology

Human & Public Services

PLTW AP Computer

Cybersecurity



Nurse Assisting

Medical

Riomedical Science

Health Sciences & Technology

Genetics & Society

Medical Assisting or **Emergency Medica** Services

Biomedical Science I

AP Biology

Certified Nurse Assisting

Biomedical Science II

General Biology I & General Chemistry I General Biology II & General Chemistry II Continue College Sequence

> Human Form & Function Continue College Sequence

General Biology I & General Chemistry I General Biology II & General Chemistry II Continue College Sequence



Career **Exploration**

Internship (60 hrs) or INCubatorEdu

(Hours may be met through Tech Campus)

Team-based Challenges (Within coursework, FBLA, SkillsUSA)

Internship or **Apprenticeship**



Finance & Business Services Pathway Competencies



FINANCE & BUSINESS SERVICES

TOP 10 TECHNICAL COMPETENCY STATEMENTS FOR **FINANCE & BUSINESS SERVICES**

Cash & Capital Principles	Students can use their understanding of the nature of cash, monetary systems, and the value of money in order to recognize the risk, return, and opportunity cost associated with capital.	
Technical Applications	Students can use their understanding of spreadsheets and accounting software to maintain, update, and retrieve data from records.	
Project Management	Students can use their understanding of time management and organization to set timely and measurable goals leading to project completion.	
Principles of Economics & Business	Students can use their understanding of micro- and macro-economics to understand how an economy functions locally and globally.	
Financial Reporting	Students can use their understanding of financial statements to assess a business's financial information.	
Financial Statements	Students can use their understanding of financial statements to prepare and interpret balance sheets, income statements, cash flow statements, and retained earnings.	
Customer Care & Marketing	Students can use their understanding of market demands to meet the needs of a client.	
Business Operations	Students can use their understanding of transaction management to perform business operations.	
Principals of Customer Relationship Management	Students can use their understanding of customer communication and customer relationship management software to attract new customers and sustain existing customers.	
Fundamentals of Sales	Students can use their understanding of personalized service and market demands to secure successful sales interactions.	









TOP 10 CROSS-SECTOR ESSENTIAL EMPLOYABILITY COMPETENCY STATEMENTS

Teamwork & Conflict Resolution	Students can use their understanding of working cooperatively with others to complete work assignments and achieve mutual goals.
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Reliability & Accountability	Students can use their understanding of commitment, time management, and follow through to ensure that a professional team functions properly and meets collective goals.
Cultural Competence	Students can use their understanding of diversity and inclusion to communicate and work effectively across a multitude of abilities, cultures, and backgrounds.
Planning & Organizing	Students can use their understanding of time management to plan effectively and accomplish assigned tasks.

ENTREPRENEURIAL COMPETENCIES

Students can apply their understanding of the process and characteristics of business development and promotion in order to apply strategies of innovation to personal and professional business pursuits.

Students can use their understanding of idea generation, design thinking, product and business development in order to introduce and process new

Growth Mindset

Students can use their understanding of learning from challenges, set-backs, and failure in order to adapt strategies and continue efforts to achieve personal goals.





Manufacturing, Engineering, Technology, & Trades Pathway Competencies



MANUFACTURING, ENGINEERING, TECHNOLOGY TRADES

TOP 10 TECHNICAL COMPETENCY STATEMENTS FOR ADVANCED MANUFACTURING & ENGINEERING

TECHNOLOGY:		
Equipment Safety	Students can use their understanding of equipment usage, practices, and procedures to maintain a healthy, safe, and secure work environment.	
Manufacturing Environment	Students can use their understanding of workstations, tools, and equipment operations to safely navigate a manufacturing environment.	
Personal Health & Safety	Students can use their understanding of personal safety and environmental regulations to comply with local, federal, and company health/safety demands.	
Spatial Reasoning	Students can use their understanding of objects in relation to one another to understand three-dimensional imaging.	
Process, Design, & Development	Students can use their understanding of technical drawings and schematics to complete the design and development process.	
Installation	Students can use their understanding of tools to assemble and disassemble simple tools.	
Customer Focus	Students can use their understanding of communication and project management to understand client needs and complete project accordingly.	
Quality Assurance & Continuous Improvement	Students can use their understanding of product and process to meet quality systems requirements as defined by customer specifications.	
Digital Manufacturing	Students can use their understanding of digital manufacturing tools and computer-based programs to complete the design and develop implementation process.	
Supply Chain Logistics	Students can use their understanding of materials, suppliers, and internal systems to plan and monitor movement and storage of materials and products.	











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Human & Public Services: Education Pathway Competencies

HUMAN & PUBLIC SERVICES ()

TOP 10 TECHNICAL COMPETENCY STATEMENTS FOR **EDUCATION AS PART OF HUMAN AND PUBLIC SERVICES**

PLANNING AND PREPARATION

Childhood & Student Development	Students can use their understanding of learner development theory from early child- hood through adult learning including cognitive development, self-esteem, motivation, perseverance, and intellectual risk taking in order to provide appropriate content and supports for students.
Curriculum & Program Design	Students can use their understanding of effective teaching strategies, scope, and sequence in order to design a logical curriculum and classroom experience that meets individual student and group academic readiness.
Curriculum Relevance & Collaboration	Students can use their understanding of current events, cross-curriculum connections, and out-of-classroom realities to create linkages among content areas and learners' lived experiences.

	CLASSROOM ENVIRONMENT	
	Managing & Monitoring Learning	Students can describe and demonstrate strategies to enrich, maintain, and alter learning environments in order to engage and motivate student learning.
	Equitable Treatment	Students can use their understanding of diversity of language, culture, and ability to ensure an inclusionary environment for all students to learn.
	Learning Environment	Students can use their understanding of motivational, social and physical environmental

PROFESSIONAL RESPONSIBILITIES

Citizenship, Family, & Community Relationships	Students can use their understanding of community and family engagement in order to connect students to opportunities and effectively support learning.
Health, Safety, & Legal Responsibilities	Students can use their understanding of health, safety, and legal expectations in order to adhere to organizational procedures, local, state, and federal law.

INSTRUCTION

Evaluation & Assessment	Students can use their understanding of learning standard and multiple measures and methods to demonstrate learning in order to evaluate growth in learning and adjust to learners' needs.











TOP 10 CROSS-SECTOR ESSENTIAL EMPLOYABILITY COMPETENCY STATEMENTS

Teamwork & Conflict Resolution **Problem Solving** Students can use their understanding of problem solving to implement and communicate solutions. **Decision Making** Students can use their understanding of logic and reasoning to analyze and address problems.

Adaptability & Flexibility

Critical Thinking

Initiative & Self-Drive

Reliability & Accountability

Cultural Competence

ENTREPRENEURIAL



Human & Public Services Pathway Competencies

INTRODUCTION TO HUMAN AND PUBLIC SERVICES Key Competencies

Students will be able to identify the ethical and legal issues facing the profession.
 Students will be able to explain professional and ethical behavior that adheres to a

Students will be able to explain professional and ethical behavior that adheres to a
variety of ethics and professional standards within human and public services.

 Students will be able to describe the importance of a reflective professional development plan to promote professional growth and cultural responsiveness.

 Students will be able to compare and contrast types of human services programs involving family support, infant and early childhood, mental health, child welfare, aging services, and home visiting.

 Students will be able to explain the importance of professionalism in a human service setting.

 Students will be able to identify the role of the human services professional within the child, adult, older adult, family, community, and global context.

Students will be able to identify the basic concepts of human services.

Students will be able to identify various careers in the profession.

 Students will be able to identify historic and current systemic, structural inequities that impact individuals, families, and communities.

Students will be able to identify social, economic, political, and cultural factors within American society which influence how Human Service problems are identified and how services and fields of practice are created to address these problems.

 Students will be able to identify historical variables which influenced the development of human services in contemporary America.

Theories and Techniques

Inclusion

Historical Context

Roles and

Responsibilities

Students will be able to identify relevant theories, across all domains, that impact human services work.

 Students will be able to describe the techniques and tools used in a human services program to support individuals, families, and communities.

 Students will understand the impact of policies and programs on diverse populations and the principles of social and economic justice.

 Students will be able to explain how cultural responsiveness and cultural humility is necessary in human service work.

 Students will be able to identify how cultural diversity and the unique cultural influences human services work with individuals, families and communities.

 Students will be able to understand approaches to social change, social movements, organizational policy and reform.

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ESSENTIAL EMPLOYABILITY COMPETENCY STATEMENTS

Teamwork & Conflict Resolution

Communication

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Initiative & Self-Drive

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Information Technology Pathway Competencies

INFORMATION 8

TOP 10 TECHNICAL COMPETENCY STATEMENTS FOR INFORMATION TECHNOLOGY

Basic Principles of Information Technology Concepts, Systems, Platforms & Tools	Students can use their understanding of fundamental IT concepts, systems, platforms, tools, and technology to understand the common roles of IT professionals.
Security	Students can use their understanding of malware, firewall, IDS, and IPS to recognize and describe basic threats to networked computers.
Logic & Fundamentals of Computer Languages	Students can use their understanding of how computer languages communicate to build basic mobile and web applications.
Routing & Network Configuration	Students can use their understanding of common networking protocols to explain the purpose of routing, network configuration, and monitoring.
User & Customer Support	Students can use their understanding of the range of services used to provide assistance and technical support to help users implement and solve problems related to information technology.
Basic Principles of Hardware	Students can use their understanding of communication systems hardware t describe the purpose and function of fundamental end user devices, switches, routers, wireless access points, etc.
Risk Management & Information Assurance	Students can use their understanding of the standards and applications needed to protect the confidentiality, integrity, and availability of information and information systems.
Basic Principles of Software Development	Students can use their understanding of designing, writing, testing, and maintaining source code of computer programs to manage and maintain software.
Networks	Students can use their understanding of hardware and software to facilitate communication between people and computer systems.
Basics of Virtualization & Cloud Computing	Students can use their understanding of the features, benefits, and concepts of virtualization and cloud computing to differentiate among types of cloud services.









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Health Sciences & Technology Pathway Competencies

HEALTH SCIENCES

TOP 10 TECHNICAL COMPETENCY STATEMENTS FOR HEALTH SCIENCES & TECHNOLOGY

& TECHN	& TECHNOLOGY		
Medical Terminology	Students can use their understanding of basic medical terminology, including abbreviations, acronyms, and diagnostic terms, to communicate effectively with healthcare personnel and patients.		
Healthcare Industry & Culture	Students can use their understanding of the basic components and culture of the health industry to understand the purpose and function of key stakeholders, practices, practitioners, and regulations.		
Healthcare Delivery Practices	Students can use their understanding of the practices, procedures, and personnel involved in delivering quality patient care to evaluate the appropriateness of a plan, instructions, or assigned task.		
Healthcare Industry Ethics Students can use their understanding of confidentiality, morality, and legal concept evaluate and apply the merits, risks, and social concerns to workplace decisions.			
Health Professions Licensure	Students can use their understanding of education requirements, licensure, and certification to ensure proper adherence to regulations that guide service delivery.		
Emergency Response	Students can use their understanding of emergency procedures and protocols to respond to and expedite safety in an emergency situation.		
Healthcare Confidentiality	Students can use their understanding of HIPPA to adhere to legal requirements and maintain confidentiality.		
Healthcare Personnel & Roles	Students can use their understanding of the practices, procedures, and personnel used to deliver quality patient care to identify one's role on a team and within the overall health environment.		
Healthcare Sanitation	Students can use their understanding of sanitation and health regulations to ensure that healthcare facilities and tools meet standards for cleanliness.		
Healthcare Rules & Regulation	Students can use their understanding of basic laws and regulations (Patient Bill of Rights, CLIA, EMTALA, OSHA, etc.) to meet accreditation standards and to obey the law.		









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