Updates to the Illinois Model Programs of Study Guides

May 21, 2024



EdSystems Staff



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Please...

- Share your name, title, and organization in the chat
- Post any questions in the Q&A or chat throughout the presentation

Note...

- This webinar is being recorded and shared with the slides
- The draft guides and public comment survey are available at <u>EdSystemsNIU.org</u>

Agenda

- Welcome
- Background and Structure of Original Guides
- New Labor Market Information Approach
- Revisions to Pathway Maps
- Next Steps



Reflect on living wage and labor market information and how it interacts with pathway design

 Collect feedback that will be embedded in the revised guides for broad Illinois and national dissemination



Our Mission

Shape and strengthen education and workforce systems to advance racial equity and prepare more young people for productive careers and lives in a global economy.

Focus Areas: What We Do



Bridges to Postsecondary



College & Career Pathways



Data Impact & Leadership

Geographic Focus: Where We Work





Community Networks



Background on the State of Illinois Model Programs of Study Guides



The Why

Audiences

- High school faculty working in college and career pathways
- Community college faculty and staff (e.g., academic deans & department heads, early college liaisons, etc.)
- Education for Employment directors

Purpose

- Provide guidance and exemplars for local programs
- Identify priority dual credit courses
- Define the competencies that should be sequenced





Role of Advisory Committee

Expertise and guidance:

- What industry trends aren't reflected in the labor market information?
- What credentials are emerging as most promising?
- How does our desk analysis relate to implementation?
- What are the future of work implications?

Inform key decision points:

- Pathway map approach
- Selecting strategic early college credit courses
- Identifying key competencies (building from IL's existing technical competencies)



Original Development of the Guides



Mapping the Model Programs of Study

Identify
high-priority
occupations

Determine promising credentials & map stackable degrees/certificates

Identify strategic community college courses

Map secondary to postsecondary sequence

Define related technical competencies

6 month process





High Priority Occupations & Promising Credentials

- Defined high priority occupations using Department of Labor data and the MIT Living Wage Calculator for IL
 - Positive growth outlook
 - Salaries near or greater than the living wage of 1 adult + 1 child in Illinois
- Promising credentials = degrees or college certifications that prepare individuals for immediate entry into a high-priority occupation
 - Focus on credentials available in typical Illinois community colleges
 - May be a clear precursor to or stackable credential for a high-priority occupation



Finance/Business Example	Median Wage Hourly	Living Wage?	Growth?	Entry Education	Annual Job Openings	Percentage Growth (2016-2026)
Accountants and Auditors	33.89	Yes	Yes	Bachelor's Degree	5,510	8%
Business Operations Specialist	36.81	Yes	Yes	Bachelor's Degree		
Financial Analyst	39.29	Yes	Yes	Bachelor's Degree	1,310	7%
Actuary	49.34	Yes	Yes	Bachelor's Degree	140	23%
Market Research Analysts and Marketing Specialists	29.15	Yes	Yes	Bachelor's Degree	2960	22%
Human Resource Specialist	28.79	Yes	Yes	Bachelor's Degree	2230	6%
First-Line Supervisor of Retail Sales Workers	18.74	No	Yes	High school diploma	5,620	3%
First-Line Supervisor of Office & Administrative Support Workers	28.3	Yes	No	High school diploma	4,450	0%
First-Line Supervisor of Non-Retail Sales Workers	34.04	Yes	Yes	High school diploma	1,070	3%
Human Resource Assistant	19.49	No	No	Postsecondary nondegree award	380	-4%
Lodging Manager	21.62	No	Yes?	High school diploma or equivalent	180	9%
Insurance Claims and Policy Processing Clerks	19.94	No	Yes	High school diploma or equivalent	1090	10%

Community College Programs — Leading to Occupations/Careers

Guided transfer

- Business AA ** ^^
- Accounting AA ** ^^
- Actuary AA ^{^^}

Business AAS, with specialities/certs ^^

- General **
- Insurance
- HR **
- Entrepreneurship **
- Management **
- Marketing **
- Hospitality **

Supply chain

Supply Chain AAS, AA/AS ^^

Accounting

Accounting AAS ** ^^

Entry-level bachelor's degree positions

- Business operations specialist, financial analyst, market research analysts
- HR specialist
- Accountants, auditors, actuary

Small/local business

- First-line supervisor of retail or non-retail sales workers
- Office & administrative support, HR assistant
- Lodging manager
- · Insurance claim clerk

Supply chain

- Supply chain manager
- Production, planning, & expediting clerks

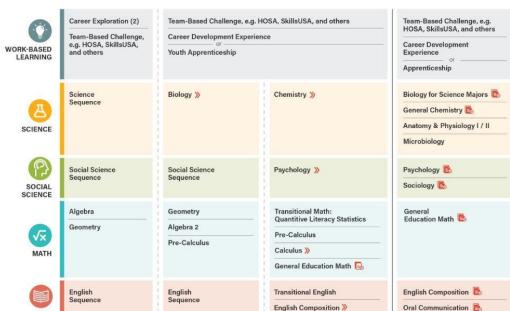
Clerk roles

Payroll & timekeeping, bookkeeping, accounting,
 & auditing, billing and posting









AP or **Dual Credit**

ENGLISH

Dual Credit Course

Dual Credit Course Affiliated With IAI Code

Course or Program Prepares for Industry Credential Postsecondary Course Affiliated

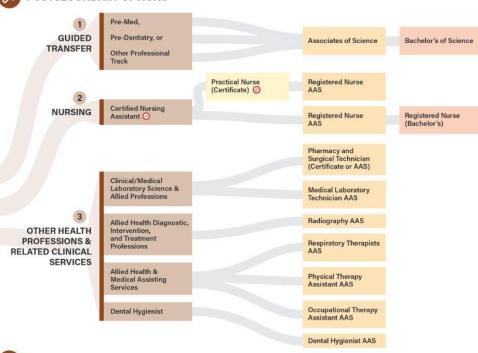
with IAI Code

College and Career

Pathway Endorsement

If courses in this column were accomplished through early college credit, students should take the next required course in the sequence or, if none, additional AAS or Major Courses



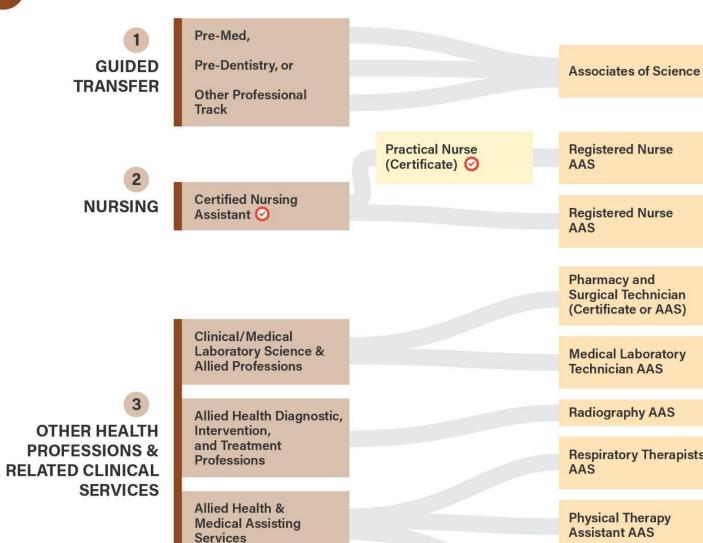


SELECTED OCCUPATIONS, WAGES, & JOB GROWTH

	Program	Typical Job	Near or Above Living Wage Threshold for 1 Adult + 1 Child ¹	Median Hourly Wage ²	Growth in Illinois: Annual Job Openings ²	Growth in Illinois: % Change Over 10 years ²	Stackable?
	Pre-Professional	Pediatricans, General	Y	\$66.93	30	2%	Typically Requires Bachelor's Degree
12	Track	Dentists	Y	\$68.79	190	9%	& Prof. School
		Nursing Assistants	N	\$13.72	7,340	5%	Typically Required for LPN or RN
2	Nursing / Registered Nurse	Licensed Practical and Licensed Vocational Nurses	Y	\$24.24	1,640	2%	Can Stack to RN at Select IL College
		Registered Nurses	Y	\$34.74	8,690	15%	Can Stack to BSN a Select IL Colleges
	Surgical Technology	Surgical/Pharmacy Technicians	Y	\$15.44 - \$23.05	220 - 1,600	1 – 5%	
	Medical & Laboratory Tech.	Medical and Clinical Laboratory Technologists	Υ	\$34.44	410	4%	
	Radiography	Radiologic Technologists	Y	\$30.52	380	2%	Not Typically
3	Respiratory Therapy	Respiratory Therapists	Y	\$28.62	350	17%	Stackable
	Physical Therapist Assistant	Physical Therapist Assistants	Y	\$28.60	730	20%	
	Occupational Therapy Assistant	Occupational Therapy Assistants	Y	\$29.75	380	21%	
3	Dental Hygiene	Dental Hygienists	Y	\$35.68	580	9%	Not Typically Stackable

- 1. Living wage calculations are based on MIT's Living Calculator (livingwage.mit.edu), where the "Living Wage" for 1 Adult + 1 Child is \$26.27/hour for the state of Illinois. "Near" defined as 85% of the statewide living wage, which is \$22.33/hour
- 2. U.S. Department of Labor, CareerOnestop (careeronestop.org/explorecareers)

POSTSECONDARY OPTIONS



Dental Hygienist

Bachelor's of Science **Registered Nurse** (Bachelor's)

Radiography AAS

Respiratory Therapists AAS

Physical Therapy Assistant AAS

Occupational Therapy Assistant AAS

Dental Hygienist AAS





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Concerns with Approach

- Living wage benchmark (1 adult + 1 child) was so high that it suppressed consideration of many roles that are otherwise in high demand and promoted by local employers
 - Example: Medical assistant
- Many occupations had positive growth but relatively low volume in Illinois
 - Example: Pediatrician
- Occupations chart created a binary judgement for living wage
- Meaning of stackability could be unclear and unaligned to the narrative



New Approach for Occupations and Labor Market Information



Using Growth + Relative Volume Employment Projections

IDES <u>publishes</u> all employment projections; which we <u>downloaded for analysis</u>

PREVIOUS APPROACH

Focus on occupations with positive growth

NEW APPROACH

Focus on occupations with positive growth + relatively high volume for 2030

+ Reasoning: Avoid highlighting occupations with low possibility of accessing



Updating the Living Wage Benchmarks

MIT Living Wage Calculator, Illinois wage data - downloaded for analysis

PREVIOUS APPROACH

Single median hourly wages near or above the living wage for 1 adult + 1 child

In 2019 = \$26.27, lessened to \$22.33 (75%)

NEW APPROACH

Multiple benchmarks: 1 adult+ 1 child as "high" livingwage potential; 1 adult,nochildren as "medium"

- 1 adult = \$22.86
- 1 adult + 1 child = \$39.63

+ Reasoning: Better representation of career arcs for industry sectors



Program	Typical Job(s)	Living Wage Potential*	Median Hourly Wage**	IL Growth: Change over 10 years ***	IL Annual Job Openings***	Typical Educational Requirements
Guided Transfer	Computer and Information Systems Managers	High	\$78.01	8.0%	1,828	Bachelor's Degree
	Software Developers or Software Quality Assurance Analysts and Testers	High	\$52.44	18.0%	6,256	
	Database Architects	High	\$66.32	5.6%	526	
Computer Information	Computer User Support Specialists	Medium	\$27.93	4.1%	1,539	Some College
Systems & Programming	Database Administrators	High	\$49.18	5.6%	526	Bachelor's
Trogramming	Computer Systems Analysts	High	\$49.45	4.2%	2,306	Degree
Web Development	Web and Digital Interface Designers	Medium	\$35.94	7.3%	548	Bachelor's Degree
Networking, Cloud Computing, & Cybersecurity	Computer Network Support Specialists	Medium	\$33.95	3.4%	999	Associate Degree
	Network and Computer Systems Administrators	High	\$42.72	3.1%	804	Bachelor's Degree
	Information Security Analysts	High	\$54.18	25.3%	428	

^{*} Living wage potential is based on MIT's Living Calculator (<u>livingwage.mit.edu</u>) for Illinois in 2024. Occupations with median salaries higher than the living wage for 1 adult + 1 child (\$39.63/hour) are considered as having a "high" living wage potential. Occupations with median salaries only higher than the living wage of 1 adult, no children (\$22.86/hour) are considered as having a "medium" living wage potential, and occupations with median salaries below the living wage of 1 adult, no children (less than \$22.86/hour) are considered as having a "low" living wage potential.

Selected Occupations, Wages, and Job Growth Chart for IT

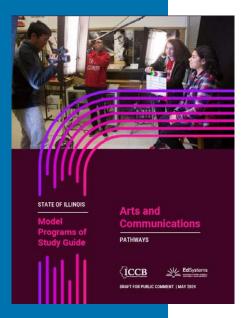
- Occupations are now shown on a scale from high to low living wage potential
- Stackability replaced with education requirements
- + Reasoning: Avoid suppressing entry-level occupations, show wage realities, and realistic educational attainment competitors

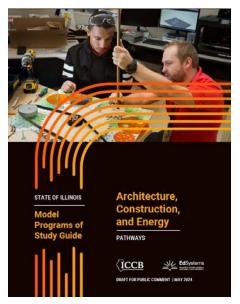


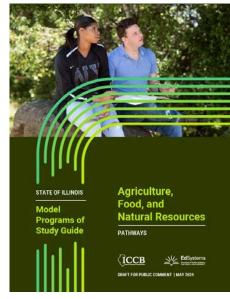
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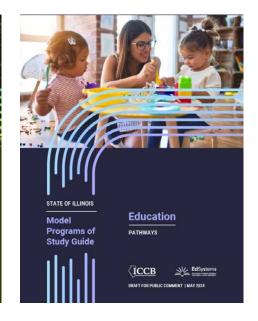
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Applied to 8 of the 10 Guides



















Revisions to Pathway Maps

Sample: Information Technology

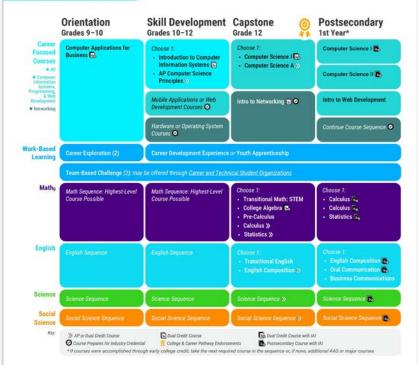




STATE OF ILLINOIS

Model Programs of Study in Information Technology

Recommended Courses



Postsecondary Opportunities

Selected Occupations, Wages, and Job Growth

Certifications	Associate Degree	Bachelor's Degree		
	Associate of Science	1		
Industry Certifications	Computer Information Systems AAS			
Industry Certifications	Web Development AAS or AS	Bachelor of Science		
Industry Certifications	Networking AAS			
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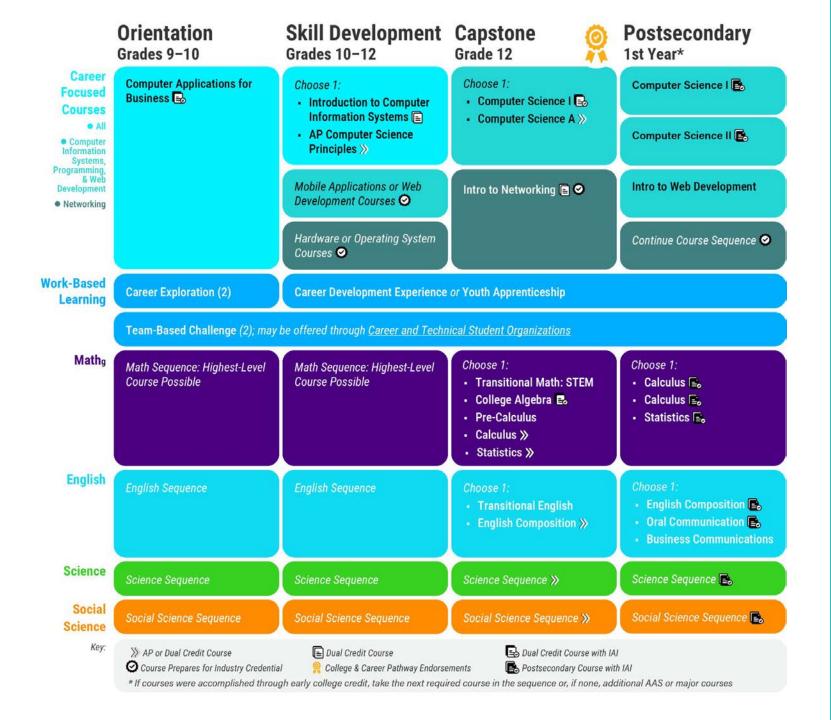






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Recommended Courses for IT



Associate Bachelor's Certifications **Degree Degree Guided Transfer** Associate of Science Computer **Computer Information** Information Systems **Industry Certifications** Systems AAS & Programming **Bachelor of Science** Web Development AAS or AS Web Development **Industry Certifications Networking AAS** Networking, Cloud Computing **Industry Certifications** & Cybersecurity Cybersecurity AAS • • • • Bachelor's degree is not required for employability

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Next Steps for Feedback

Public Comment Survey



Your Next Steps

- Download the draft guides
- Submit public comment by June 21.
- We would want to hear about:
 - Strengths
 - Changes and additions
 - Feedback on new approach
- Incorporate into your work

Our Next Steps

- Incorporate feedback from public comment and publish resource
- Share throughout Illinois and nationally via:
 - Agency websites
 - EdSystems communications
 - Presentations and conferences
 - Technical assistance to communities



Closing Reflections



Today's discussion squares with my thinking because...



