Statewide Model Programs of Study

Education

Thank you for joining! We will get started shortly.



Agenda

Quick Notes:

- Highly encourage
 Q&A and Chat Box
- This webinar is being recorded
- Slide deck will be linked in the chat

- Welcome from ICCB and EdSystems
- Background on Model POS Guides
 - Policy Alignment
 - Role of Advisory Committee
- Model POS Mapping Process
- Review of POS Guide for Education
- POS in Action: Sauk Valley College
- Feedback and Next Steps





Welcome from Illinois Community College Board



Janelle Jones
Director for CTE



EdSystems Staff



Juan Jose Gonzalez Pathways Director



Meagan Mitchell Pathways Manager



The EdSystems 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.



College & Career Pathways



Bridges to Postsecondary



Data Impact & Leadership







Background on Model Programs of Study



Why Develop Statewide Model Programs of Study?

The primary purposes and goals for the Model Programs of Study Guides are to:

- Provide guidance and exemplars for local programs to adopt or customize as they
 develop programs of study for approval as part of the Perkins V Plan.
- Identify priority dual credit and early college courses that are foundational to the industry area and well-situated for statewide scaling and articulation.
- Define the competencies that should be sequenced across a program of study course sequence to prepare students for the future of work in that industry area.
- Identify entry points for employers to support coursework and related experiences.



Why Develop Statewide Model Programs of Study? Pt. 2

Intended audiences:

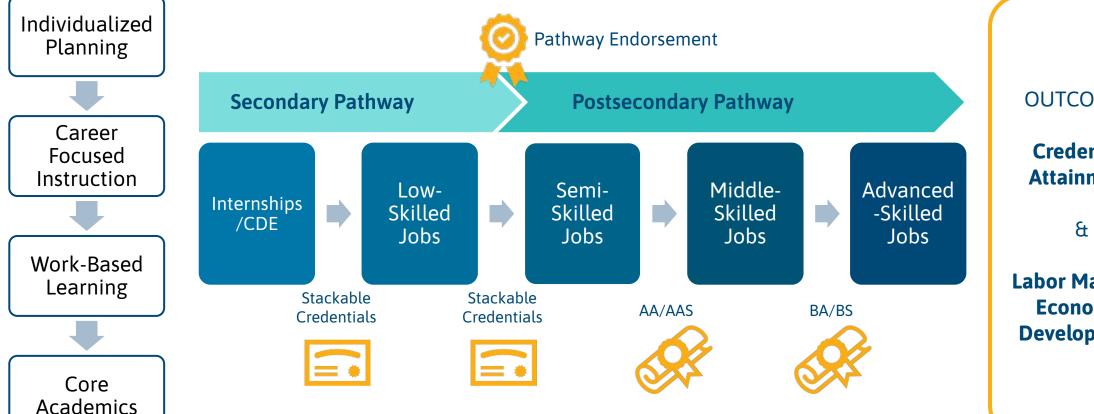
- High school faculty working in pathways
- Community College faculty and staff (e.g. academic deans & department heads, early college liaisons, etc.)
- Education for Employment System Directors

Subsequent Presentations

- November = Manufacturing and Engineering
- January = Information Technology
- February = Agriculture, Food, and Natural Resources



State Pathways Model



OUTCOMES:

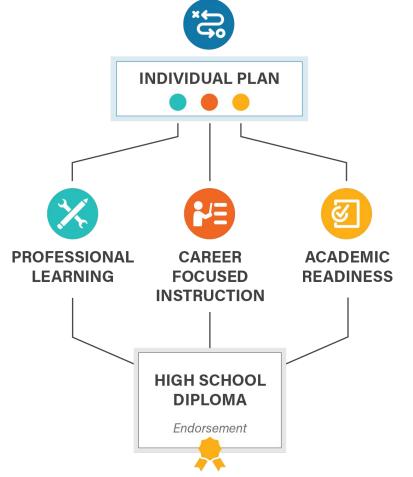
Credential Attainment

Labor Market / Economic Development





College and Career Pathway Endorsement Framework



INDIVIDUAL PLAN

Each student completing an endorsement must have an individualized plan, which includes college planning linked to early understanding of career goals, financial aid, resume, and personal statement.

PROFESSIONAL LEARNING

Awareness, exploration, and preparation activities that provide opportunities for students to interact with adults in their workplace

9th | 10th | 11th | 12th

At least 2 career exploration activities or 1 intensive experience | 60 cumulative hours of paid or credit supervised career development experience with a professional skills assessment

At least 2 team-based challenges with adult mentoring

Through these experiences, a student gains essential employability and technical competencies in their identified sector.

CAREER-FOCUSED INSTRUCTIONAL SEQUENCE

Two years of secondary coursework, or equivalent competencies, that articulate to a postsecondary credential with labor market value. Must include at least 6 hours of early college credit.

9th | 10th | 11th | 12th

Orientation / Introduction

Skill Development

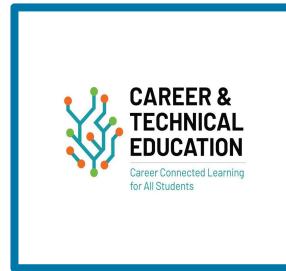
Capstone / Advanced Courses

ACADEMIC READINESS

Ready for non-remedial coursework in reading and math by high school graduation through criteria defined by district and local community college

Policy Alignment



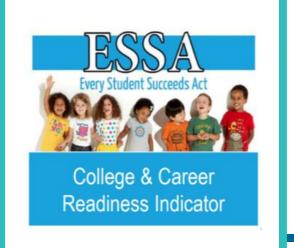




TEACH ILLINOIS STRONG TEACHERS, STRONG CLASSROOMS

POLICY SOLUTIONS TO ALLEVIATE TEACHER SHORTAGES IN ILLINOIS
SEPTEMBER 2018

ILLINOIS STATE BOARD OF EDUCATION







State Pathways Policy Framework: College, Career and Life Ready

Accelerated Towards a Career Area

- Multiple years of coursework, increasing commitment to the field
- Emphasis on Early college coursework in "Career-focused" subjects
- Courses go Beyond
 Traditional High School
 CTE and Industry
 Credentials, include
 Complementary General
 Education Courses



- Required success in College-Level, career-focused coursework and electives
- Required placement college-level placement in Math and English (through collaboration with local Community College)

Foundational Skills for All Careers

- General employability and entrepreneurial skills embedded in HS experience
- Student have a familiarity with work-based setting and robust experience in problem-based learning





2020 Guides

- Education
- Health Sciences
- Information Technology
- Manufacturing and Engineering

edsystemsniu.org/guides

2021 Guides

- Agriculture, Food and Natural Resources
- Architecture, Construction and Energy
- Arts and Communications
- Finance and Business Services





Role of Advisory Committee

Expertise and guidance:

- What are trends in the industry that aren't reflected in Labor Market Information?
- What credentials/degrees are emerging as most promising in the field?
- How does our desk analysis relate to on-the-ground implementation?
- What are future of work implications for this sector?

Inform key decision-points in this process:

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



Mapping Process



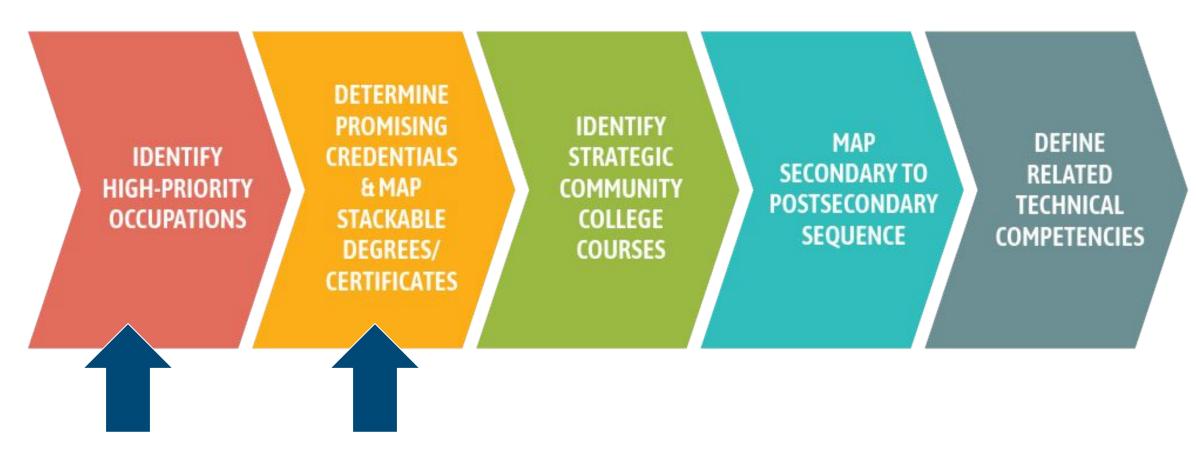
Model Programs of Study Mapping Process



6 month process



Model Programs of Study Mapping Process







High Priority Occupations & Promising Credentials

- Using Department of Labor data and the MIT Living Wage Calculator for the State of Illinois as a reference, High Priority Occupation defined
 - Occupations with a positive growth outlook and
 - Occupations whose salaries are near or greater than the "Living Wage" of 1 Adult + 1 Child in Illinois.
- A "promising credential" is a degree or college certification that immediately prepares an individual for entry into a high-priority occupation, with a focus on credentials available in typical Illinois Community College.
 - Credential may also be is 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		
<u>Financial Analyst</u>	39.29	Yes	Yes	Bachelor's Degree	1,310	7%
<u>Actuary</u>	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%

Common CC Programs

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**^^

Leading to Occupations/Careers

Entry Level Bachelor's Degree Positions

- Business Operations Specialist OR Financial Analyst OR Market Research Analysts OR Human Resource Specialist
- Accountants and Auditors
- Actuary

Small/Local Business

- First-Line Supervisor of Retail Sales Workers OR Office & Administrative Support Workers OR First-Line Supervisor of Non-Retail Sales Workers
- Human Resource Assistant OR Lodging Manager OR Insurance Claim Clerk

Supply Chain

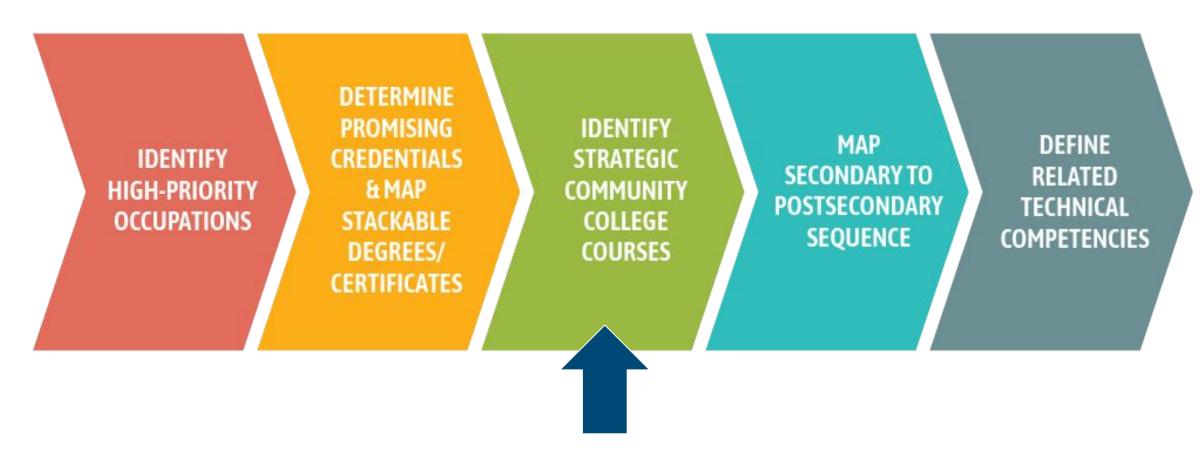
 Supply Chain Manager OR Production, Planning, & Expediting Clerks

Clerk Roles

 Payroll & Timekeeping, OR, Bookkeeping, Accounting, & Auditing Clerk, OR Billing and Posting Clerks

^{**} Aligns with ISBE CTE Program of Study Matrix

Model Programs of Study Mapping Process





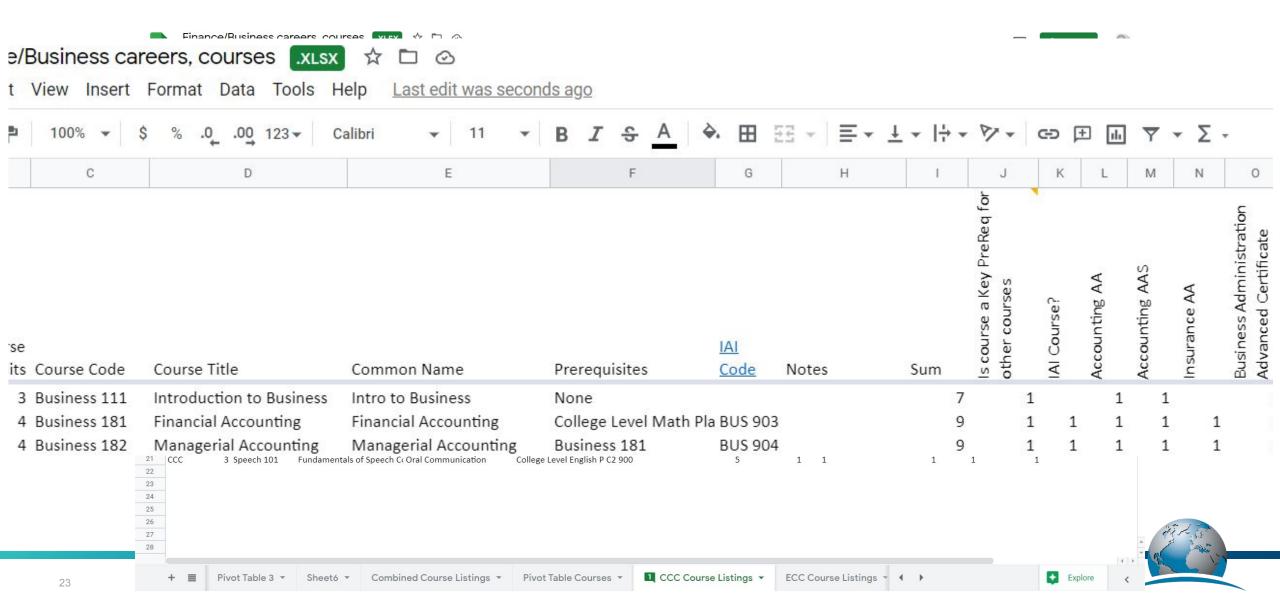


Identify Strategic Community College Courses

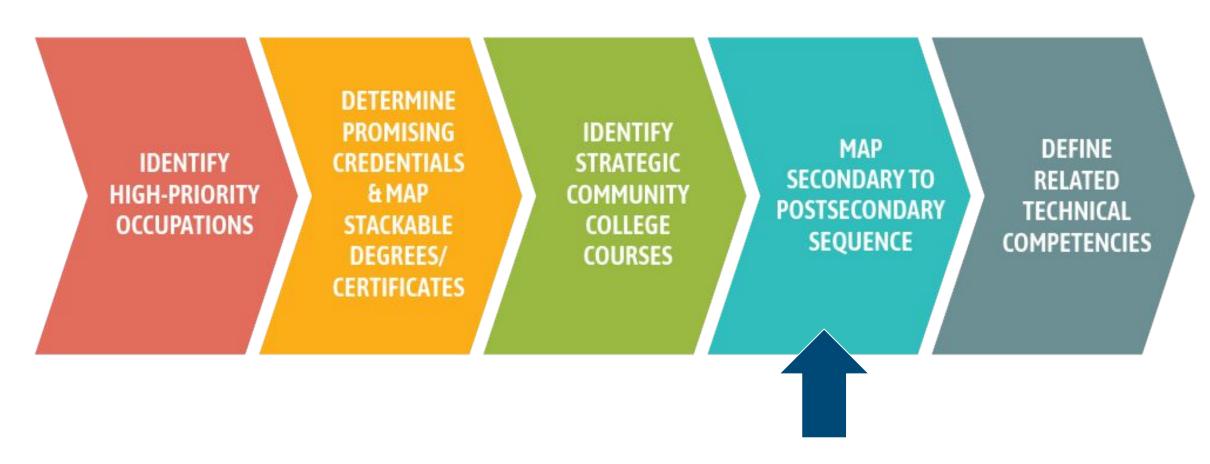
- Analyze "promising credential" program requirements at various Community Colleges in the state
- Tally and label all of the "career-focused" & "general education" courses across programs to determine which of these courses:
 - Are most common across targeted programs,
 - Are more likely accessible for dual credit, and
 - Have the potential for transferability and currency (through the Illinois Articulation Initiative) or have industry credentials



Identify Strategic Community College Courses



Model Programs of Study Mapping Process







Map Secondary to Postsecondary Sequence

- Recommend early college courses reasonably accessible to HS students, goal is to at least get 6+ career-focused credit hours by HS graduation
- Keep open possibility for unique opportunities, i.e. work-based learning or capstone course
- Consider typical teacher and faculty credentials, as well as course delivery and approval processes
- Suggest initial post secondary courses and sequences that continue to accelerate student
- Recommend sequence in general education subject areas, including early college and AP supplements

Model Programs of Study Mapping Process



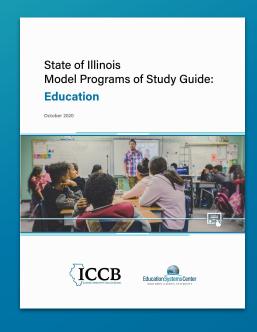




Define Related Technical Competencies for Key Courses

- Select foundational courses in each Model Programs of Study area
 - Courses map to multiple credentials within the industry area,
 - Can be accessed for early college credit at secondary level, and
 - Not currently recognized by the IL Articulation Initiative (IAI)
- Determine a set of technical competencies for each course (i.e. learning objectives)





Review of the Education Guide











Dual Credit Course **Dual Credit** Course Affiliated With IAI Code





Industry Credential



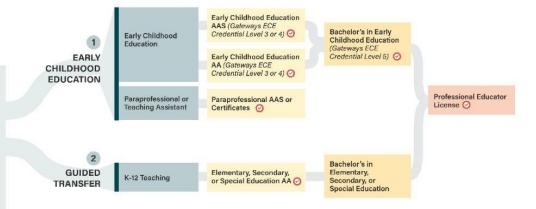


Earned



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 Annual Wage ²	Growth in Illinois: Annual Job Openings ²	Growth in Illinois: % Change Over 10 years ²	Stackable?	
	AAS Early Childhood Education	Preschool and Childcare Center/Program Teachers, Except Special Education	N	\$29,720	2,230	10%	Typically Stacks to Related Bachelor's Program at Select IL Universities	
1	AAS Paraprofessonal or Teaching Assistant	Teacher Assistants	N	\$27,310	6,090	5%		
	AA Early Childhood Education	Education Administrators, Preschool and Childcare Center/Program	Y	\$50,830	250	9%	Typically Stacks to Bachelor's Program	
	AA Elementary Education	Elementary School Teachers	Υ	\$60,250	4,330	4%		
2	AA Secondary Education	Secondary School Teachers, Except Special and Career/Technical Education	Y	\$69,610	3,110	4%	Typically Stacks to Bachelor's Program	
	AA Special Education	Special Education Teachers, Kindergarten and Elementary School	Y	\$65,190	450	3%		

^{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)



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EARLY CHILDHOOD EDUCATION Early Childhood Education

Paraprofessional or

Teaching Assistant

Early Childhood Education
AAS (Gateways ECE
Credential Level 3 or 4)

O

Early Childhood Education AA (Gateways ECE Credential Level 3 or 4)

Paraprofessional AAS or Certificates

Bachelor's in Early
Childhood Education
(Gateways ECE
Credential Level 5)

Professional Educator License ♥

GUIDED TRANSFER

K-12 Teaching

Elementary, Secondary, or Special Education AA 🚫

Bachelor's in Elementary, Secondary, or Special Education

ORIENTATION / INTRODUCTION

Grades 9-10

Foundations to Teaching

SKILL DEVELOPMENT

Grades 10-12



CAPSTONE / ADVANCED

Grade 12

Credential 🕢





Recommended 1st Year



Continue Early Childhood Education AA or AAS Course Sequence Aligned with Gateways ECE Credentials

Courses and Work-Based Learning Address the PWR Act Recommended Technical and Essential Employability Competencies



6

CAREER

FOCUSED

COURSES

Career Exploration (2)

Team-Based Challenge

Team-Based Challenge

Career Development Experience

or

Youth Apprenticeship

Team-Based Challenge

Career Development Experience

Apprenticeship

AP or Dual Credit Dual

Credit

Course

Dual Credit Course Affiliated With IAI Code



Course or Program Prepares for Industry Credential



Postsecondary Colleg Course Affiliated Pathw with IAI Code Earne



College and Career Pathway Endorsement Earned



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

ORIENTATION / INTRODUCTION

Grades 9-10

SKILL **DEVELOPMENT**

Grades 10-12



Grades 12



Recommended 1st Year



Science Sequence

Science Sequence Science >>

Science P



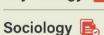
Social Science Sequence

US History >>

US Government & Politics >>

Psychology >>

Psychology



General Education Statistics

Mathematics for Elementary

SCIENCE

 \sqrt{x}

MATH

Algebra

Geometry

Geometry

Algebra 2

Pre-Calculus

Transitional Math: Quantitive Literacy Statistics

Pre-Calculus

Calculus >>

General Education Statistics

English Composition

Teaching I & II

Oral Communication



English Sequence English Sequence

Course or Program Prepares for Industry Credential



English Composition >>

Transitional English

Pathway Endorsement Earned



AP or **Dual Credit**



Course

Dual Credit Course Affiliated With IAI Code



Course Affiliated

with IAI Code

College and Career



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

Strategic Dual Credit Course Competencies

	INTRODUCTION TO EDUCATION Key Competencies
History and Philosophy of Education	 Future educators can demonstrate their understanding of curriculum development, learning theory, assessment, and instructional technology in order to maximize student learning. Future educators can identify the various philosophies of education, explain their evolution, application, and impact on American education, and use them as a basis for developing their own philosophy of teaching.
Student Development and Learning	 Future educators can use their understanding of learner development theory, including cognitive development, self-esteem, motivation, perseverance, and intellectual risk taking to identify appropriate content and supports for students. Future educators can apply their understanding of various theories of human growth and development in order to analyze, explain and ask questions about student behavior and learning. Future educators can recognize critical benchmarks in students' social-emotional learning and understand the relationship to their cognitive learning trajectories. Future educators can understand the range of diverse characteristics and abilities of students in order to support all students in their classroom.
Role of the Community and Collaboration	 Future educators can outline the role and influence of families and communities on children's development, learning, and early childhood education experiences in order to achieve positive developmental and behavioral outcomes for students. Future educators can effectively access and analyze data sources such as the Illinois School Report Card in order to critically evaluate the relationship between schools and the surrounding community. Future educators can identify local, regional and national initiatives that can be used to support positive student outcomes in their classroom. Future educators can understand the relationship between school, community, and home in order to engage all stakeholders to yield student success.

CONTINUED: INTRODUCTION TO EDUCATION Key Competencies Future educators can identify the knowledge and skills necessary to be an effective Reflection and educator including meeting individual student needs, serving diverse learners, **Professional** adhering to a professional code of ethics, and understanding school governance in Growth order to reflect and improve upon one's own practice. • Future educators can apply reflective thinking skills in order to learn from observational and practical classroom experiences. • Future educators can think critically about their own assumptions, biases, lived experiences and understandings of education in order to explore alternative approaches and ideas. • Future educators can identify a wide range of career paths in the field of education in order to create and prepare for a personal career plan. Health, Safety, Future educators can use their understanding of health, safety, and legal and Legal expectations in order to adhere to organizational procedures and local, state, and Responsibilities federal law. • Future educators can analyze laws, policies, and procedures in education in order to understand how they impact instruction and students. • Future educators can design a safe and ethical learning environment in order to

ensure all students feel respected, valued, and able to learn.



	DIVERSITY IN EDUCATION Key Competencies
Creating an Environment of Respect and Rapport	 Future educators can use their understanding of the diversity of language, culture, and ability in order to ensure an inclusionary environment for all students to learn. Future educators can use their understanding of motivational, social and physical/environmental elements within the classroom in order to ensure an inclusionary environment for all students to learn. Future educators can recognize systemic historical obstacles and inaccuracies in order to create classroom cultures that dismantle bias and promote equity.
Demonstrating Knowledge of Teaching Diverse Students	 Future educators can describe and demonstrate strategies to enrich, maintain, and alter learning environments in order to engage and motivate student learning. Future educators can use their understanding of cultural, linguistic, cognitive, physical, and social and emotional differences in order to plan instruction that meets the needs of each student. Future educators are culturally competent, and can identify and apply culturally responsive and anti-racist teaching practices to ensure equitable access to learning.

CONTINUED: DIVERSITY IN EDUCATION Key Competencies • Future educators can identify how a variety of factors shape the way students Demonstrating Knowledge of learn, including belief systems, human development (physical, social and **Diverse Students** emotional, cognitive, linguistic), past experiences, talents, prior knowledge, and economic circumstances. Future educators can acknowledge, respond to, and celebrate diverse cultures in order to provide full, equitable access to education for students from all cultures. • Future educators can apply their understanding of implicit bias, stereotypes, language and cultural barriers, systemic racism, current events, and historical context in order to prevent misconceptions, promote connections with students and families, and improve classroom instruction. • Future educators can identify, reflect on, and counter their own identities and Reflective and Responsive implicit biases in order to support and build relationships with students and parents Teaching to ensure diverse voices are represented. Future educators can use their understanding of cultural competency, current and historical events, cross-curricular connections, and out-of-classroom realities in order to create linkages across content areas and students' lived experiences. Future educators apply a solutions-oriented mindset in order to overcome external factors and impact student success. Future educators can analyze curriculum and classroom practices in order to ensure that diverse voices are represented and infused in all learning activities. Professionalism, Future educators can identify and understand the role of professional Leadership, and organizations and advocacy groups in order to elevate their own voices and become **Advocacy** change agents. • Future educators can use their understanding of community and family engagement in order to connect students to opportunities for growth and effectively support learning through partnerships with caregivers and other support systems.

Future educators can recognize the agency of traditionally marginalized populations in order to enable these groups to have a voice in the school community.
 Future educators recognize their responsibility and have the skills to advocate effectively within the school community in order to ensure the needs of all students

are met.

Model Programs of Study in Action

Sauk Valley Community College





WHERE WE BEGAN

- No EDU courses offered as dual credit/dual enrollment
- ECE 114 & 115 offered for one district on campus for dual credit
- Gen Ed courses offered that qualify: COM 131 & PSY 103





WHERE WE ARE

- Pathway work course revision helped create a 2+2 agreement with WIU that had been stalled
- College met (VP Academics, Deans, EDU/ECE faculty) to determine best courses to offer as dual credit without college enrollment taking a debilitating hit
- Considered: prerequisites, transferability, entry level knowledge,





SUCCESSES

- Revised curriculum to transfer to SVCC & WIU
- Many HS faculty meet dual credit requirements to teach EDU courses
- "Sauk Block" for districts in west area of district
- Districts investigating virtual instruction across districts
- EDU enrollment increased:
 2019 & 2020: 50, 2021: 93, 2022: 82





CHALLENGES

- Cost of dual enrollment
- Filling an education specific course
- Distance to campus
- Scheduling conflicts small district
- Offering dual credit reduces CC course enrollment
- Mindset shift from "college bound" to Education specific





EDU Dual Credit/Dual Enrollment Options

Dual Credit:

- EDU 102 Computer Education for Teachers**
- EDU 105 Preparing for Careers in Education **
- EDU 176 Observation in Education
- EDU 276 Clinical Experience for Elementary Education**

Dual Enrollment:

- EDU 210 Diversity in Education (online)**
- EDU 221 Children's Literature (online & on campus)
- EDU 224 Education as an Agent for Change (online & on campus)**
- EDU 220 Students with Disabilities in School (online & on campus)**

** No prerequisites for enrollment





ECE Dual Enrollment Options

Dual Enrollment:

- ECE 114 Childcare & Development**
- ECE 115 Principles of Early Childhood Education**
- ECE 118 Parent, Teacher, Child, Community Relations**
- ECE 228 Child Health, Nutrition, & Safety**
- PED 220 Rhythms & Games for Children**

**No prerequisites required



Model Programs of Study Feedback and Next Steps



Something still circling in my mind is...

Something that squares with my thinking is...

Three takeaways I have are...

Share Your Feedback

Survey QR Code



https://niu.az1.qualtrics.com/jfe/form/SV_4VhZXbPLe740vC6



Survey Questions

1

Model Programs of Study

Assess the implementation of the Model Programs of Study.

2

Advisory Committee

Assess the effectiveness of the committee or join an upcoming committee.

3

Webinar Review

Assess the effectiveness of the Webinar session.



Next Steps: Upcoming Statewide Model Programs of Study Webinars

Manufacturing and Engineering

November 16, 2021 | 2-3:30 p.m.

Information Technology

January 11, 2022 | 2-3:30 p.m.

Agriculture, Food, and Natural Resources

January 25, 2022 | 2-3:30 p.m.

Architecture, Construction, and Energy

February 22, 2022 | 2-3:30 p.m.

Finance and Business Services

March 15, 2022 | 2-3:30 p.m.

Arts and Communications

April 19, 2022 | 2-3:30 p.m.



Next Steps: Potential Statewide Model POS Guides Creation

Select 2 from the following:



(Non-Education)



Culinary and Hospitality











Engage in conversations on creating sustainable, high-quality models that provide broader and more equitable access, focusing on building social capital for Black and Latinx students

Explore the Resource Hub and sign up for the newsletter





Identify needs for state policy changes or support systems



Thank You

Survey: https://niu.az1.qualtrics.com/jfe/form/SV 4VhZXbPLe740vC6

Guides: edsystemsniu.org/guides