

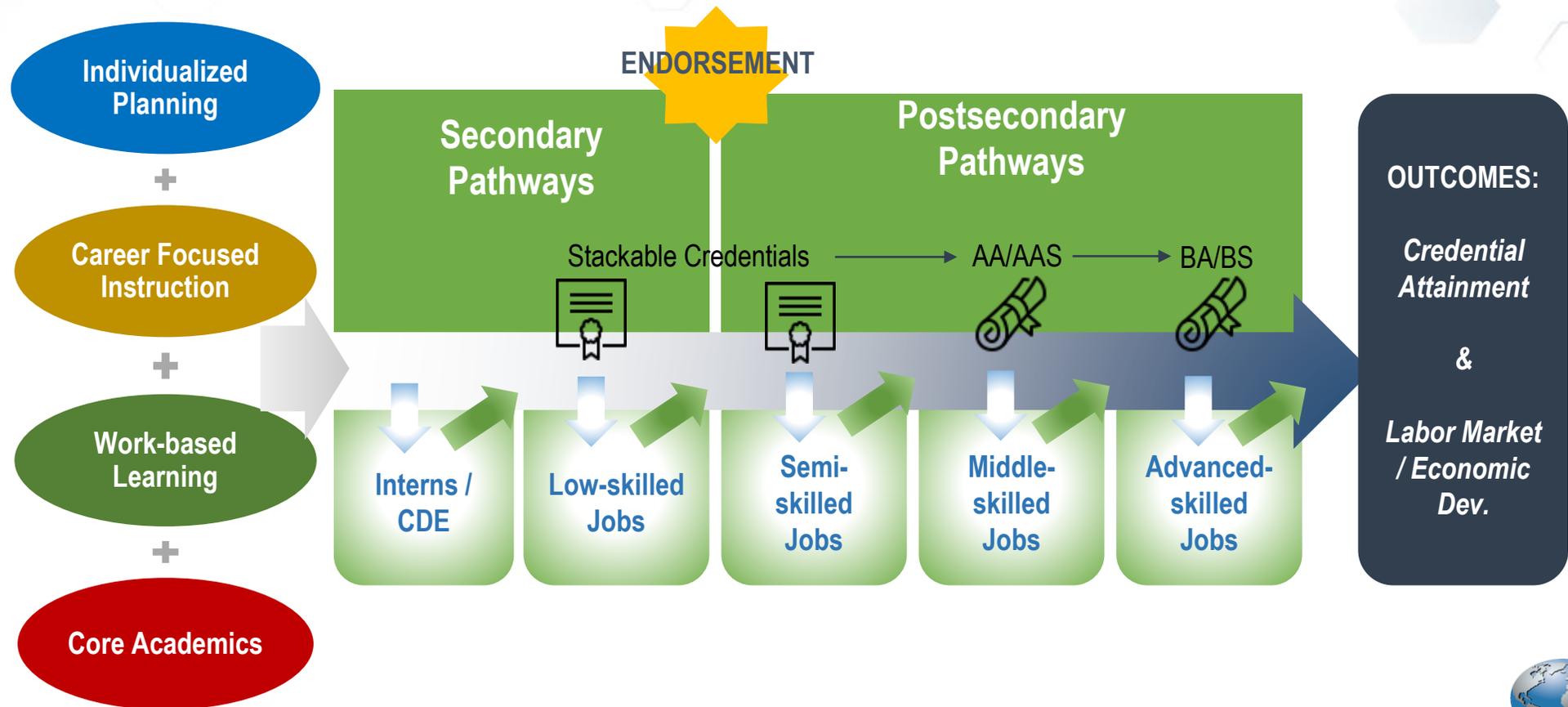


Education Systems Center

NORTHERN ILLINOIS UNIVERSITY

Dual Credit & College & Career Pathway Endorsements

Model POS Aligned to a College and Career Pathway Endorsement



State Pathway Endorsement Requirements

9 th GRADE	10 th GRADE	11 th GRADE	11 th & 12 th GRADE
 <p>Individual Plan: Each student completing an endorsement must have an individualized plan, which includes college planning linked to early understandings of career goals, financial aid, resume, and a personal statement.</p>			
 <p>Orientation or Introduction</p>		<p>Orientation or Introduction</p>	<p>Advanced Courses</p>
<p>Career-focused Instructional Sequence: 2 years of coursework or equivalent competencies. Includes at least 6 hours of early college credit</p>			
 <p>Professional Learning: Awareness, exploration, and preparation activities that provide opportunities for students to interact with adults in the workplace</p>		<p>At least 2 career exploration activities or 1 intensive experience</p>	<p>60 cumulative hours of paid or credit supervised career development experience with a professional skills assessment</p>
<p>At least 2 team-based challenges with adult mentoring</p>			
		<p>Academic Readiness: Ready for non-remedial coursework in reading and math by high school graduation through criteria defined by district and local community college</p>	

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

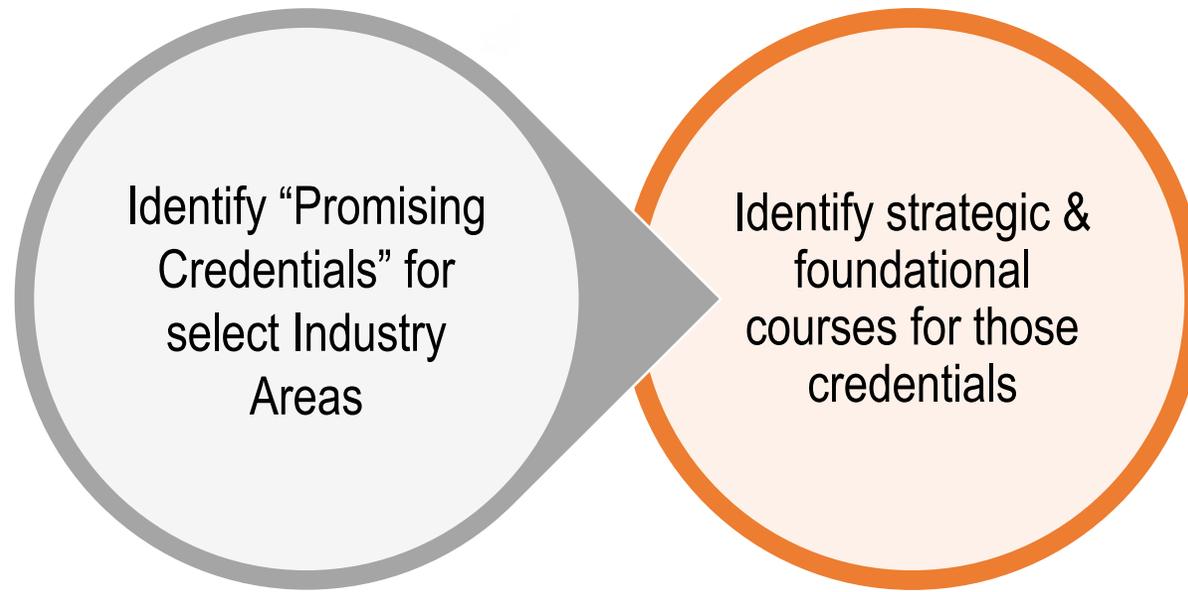
District and local community college certification articulation to certificate degree with labor market value

Backwards Map Analysis

Identify
“Promising
Credentials” for
select Industry
Areas

- **Industry Areas**
 - For example: Health Sciences, Manufacturing, IT / Cybersecurity, Education
- **Promising Credential =**
 - Leads to High Priority Occupations
 - Living Wage Accessibility for Adult + Child
 - Clearly mapped program paths with stackable certificates, associates & bachelors

Backwards Map Analysis



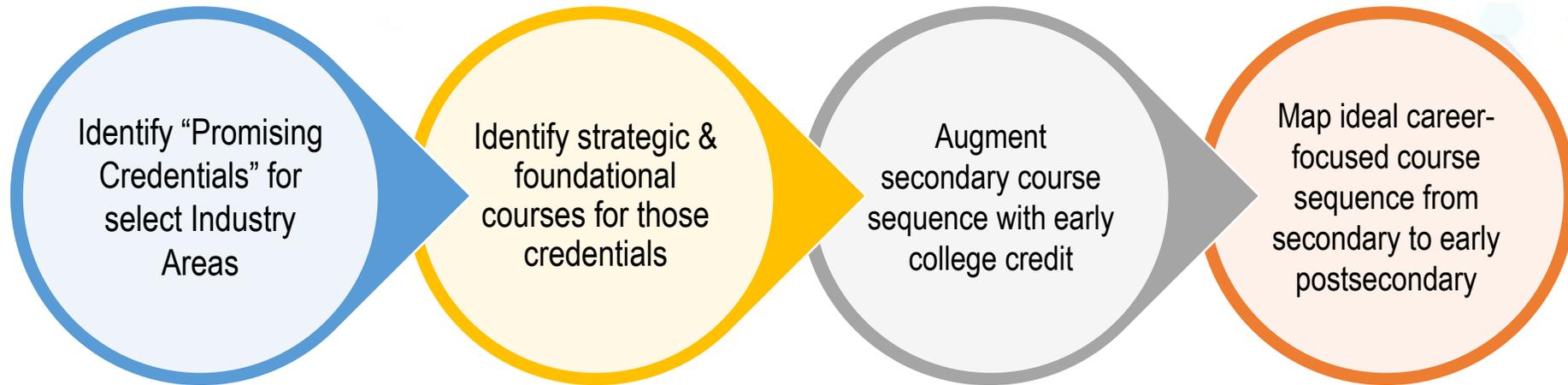
- Find career-focused courses that can map to multiple credentials within an industry area and can be accessed for early college credit at secondary level.
- Recommend math sequence that can map down to TM placements or Early College equivalents
- Recommend science sequence that can map down to secondary courses with early college and AP supplements
- English: Recommend an IAI English/Communications Sequence
- **As a result, facilitate student progressions through critical pathway gateway courses**

Backwards Map Analysis

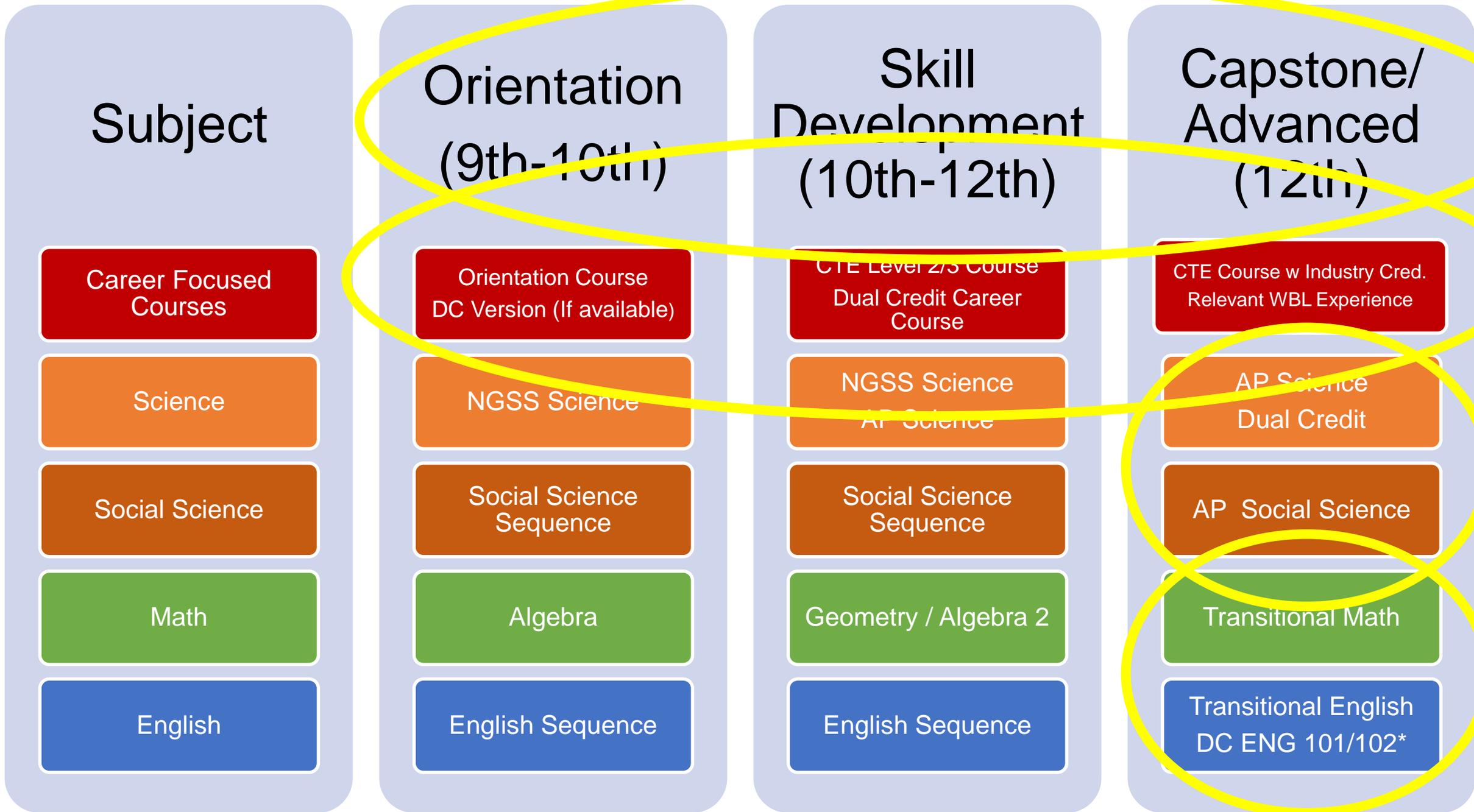


- Start early college pathway courses by Junior year of HS if possible
- Target additional dual credit or AP courses based on
 - likeliness of student eligibility
 - Likeliness of teacher certification in dual credit
 - accessibility for Dual Enrollment

Backwards Map Analysis



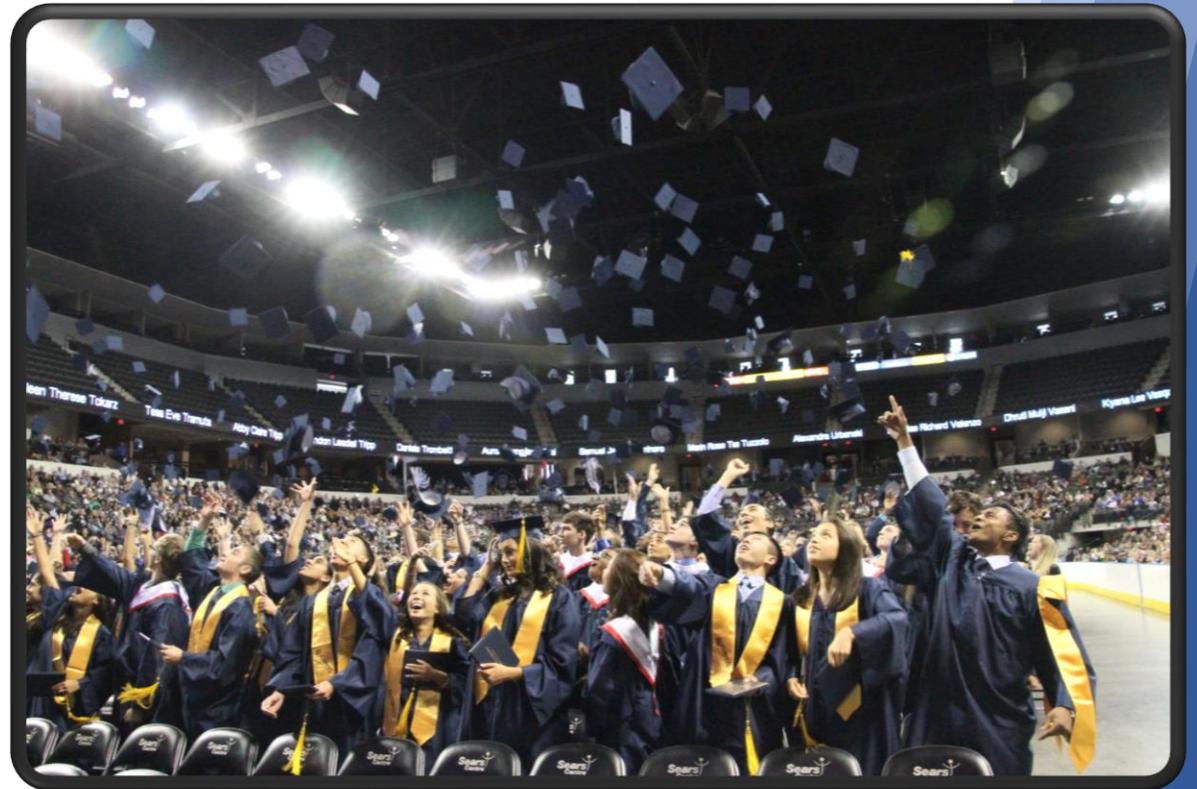
- Consider typical school/student scheduling practices of a full time HS and college student
- Keep open possibility for unique opportunities, i.e. work-based learning or capstone course, in senior year of high school
- Keep flexibility throughout HS and first 1-2 years of college for various credentials within that industry area



* Indicates a Dual Credit Course Affiliated with an IAI Course Code

211 Extraordinary Opportunities.
Innovative Teaching.
Exceptional Learning.

Township High School District 211



Exploration of Future Choices

One-on-One Counseling
Special Education Transition Services
Career Trek and Field Trips
Guest Speakers
Community Service
Work Program
Part-Time Employment

Pathway Coursework
Internships
Team Challenges
Industry Credentials
D211 Career Expo

Student Pathway Connections – Phase 2
Faculty Externships
ESSA Accountability
Endorsements

Present

Future

Health Science Pathway Endorsement

College Majors & Career Explorations List ▼



HEALTH SCIENCES

Overview
My Plan

Majors & Careers

Coursework

Connections

PATHWAYS

Health Information &
Management

Medical Research &
Development

Patient Wellness

The Health Sciences Career Cluster focuses on careers that promote health, wellness and diagnosis, as well as treat injuries and diseases. Some of the careers involve working directly with people, while others involve research into diseases or collecting and formatting data and information.

Endorsements

College and Career Readiness (ESSA)

1. GPA 2.8/4.0
2. 95% attendance rate junior and senior year
3. College and Career Pathway Endorsement

Endorsement Includes:

1. Individualized Plan
2. Career-Focused Sequence
3. Professional Learning
4. English and Math Readiness

- = D211 Student Readiness Plan
- = D211 College & Career Pathways
- = Team-Based Challenges, Career Treks and Internships
- = D211 Transition Classes



Health Science Pathway Endorsement



Individualized Plan

- Student Readiness Plan

Career Focused Sequence

- **S637 Anatomy and Physiology** (4 college credits)
 - **Team Based Challenge on Cardiovascular System**
- **R613 Health Career Exploration and Medical Terminology** (2 college credits)
- **R614 Certified Nursing Assistant** (6 college credits)
 - **Team Based Challenge on Sensory System**

- Additional supplemental courses available

Professional Learning

- Career Treks
- Internships

English and Math Readiness

- Transitional English or Math Course
- SAT/ACT scores
- AP/DC Courses
- College Placement Exams

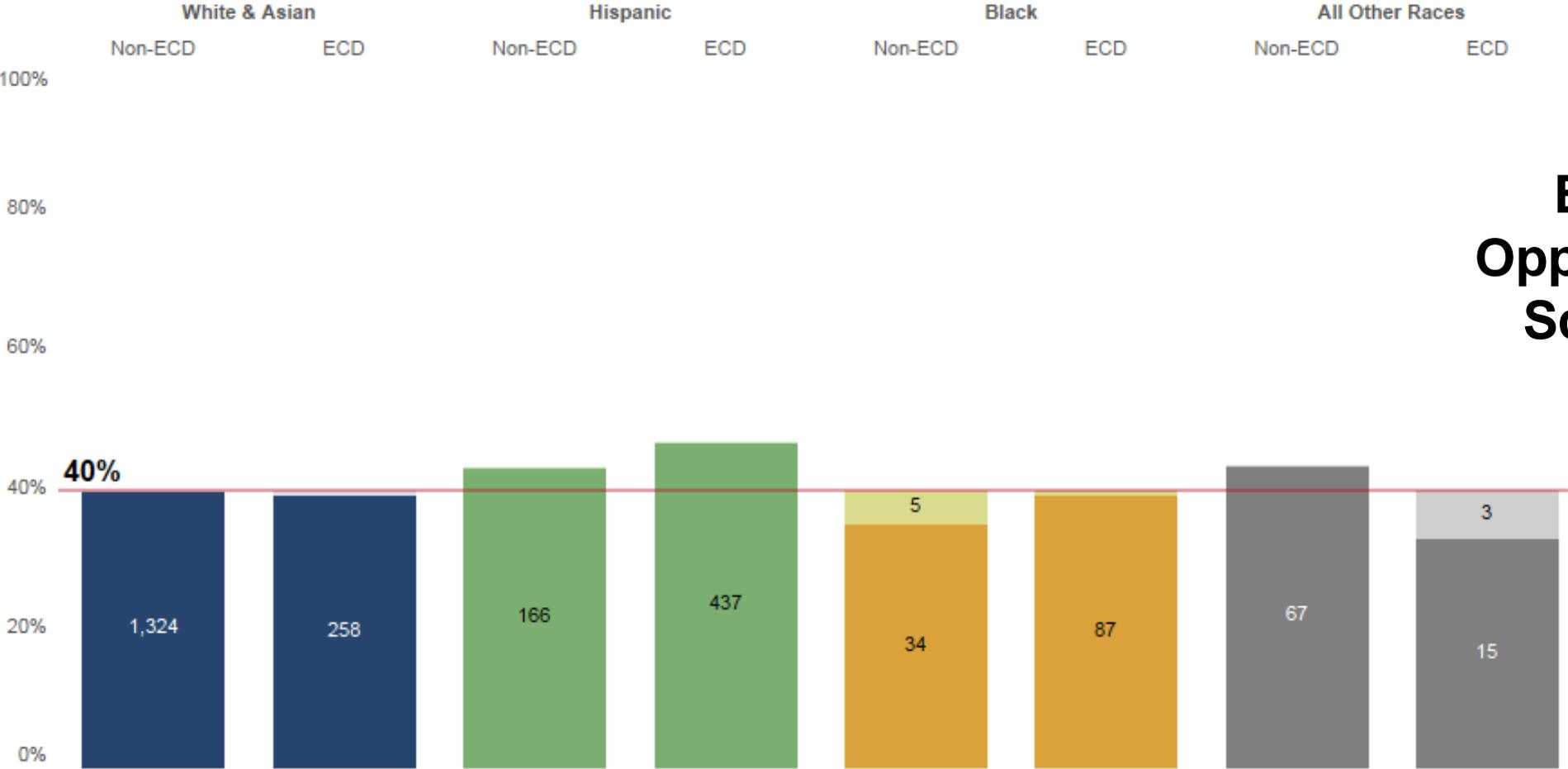
Team-Based Challenges



Industry Problem
Teamwork
Presentation
Industry Adult Mentoring

Equity and Access

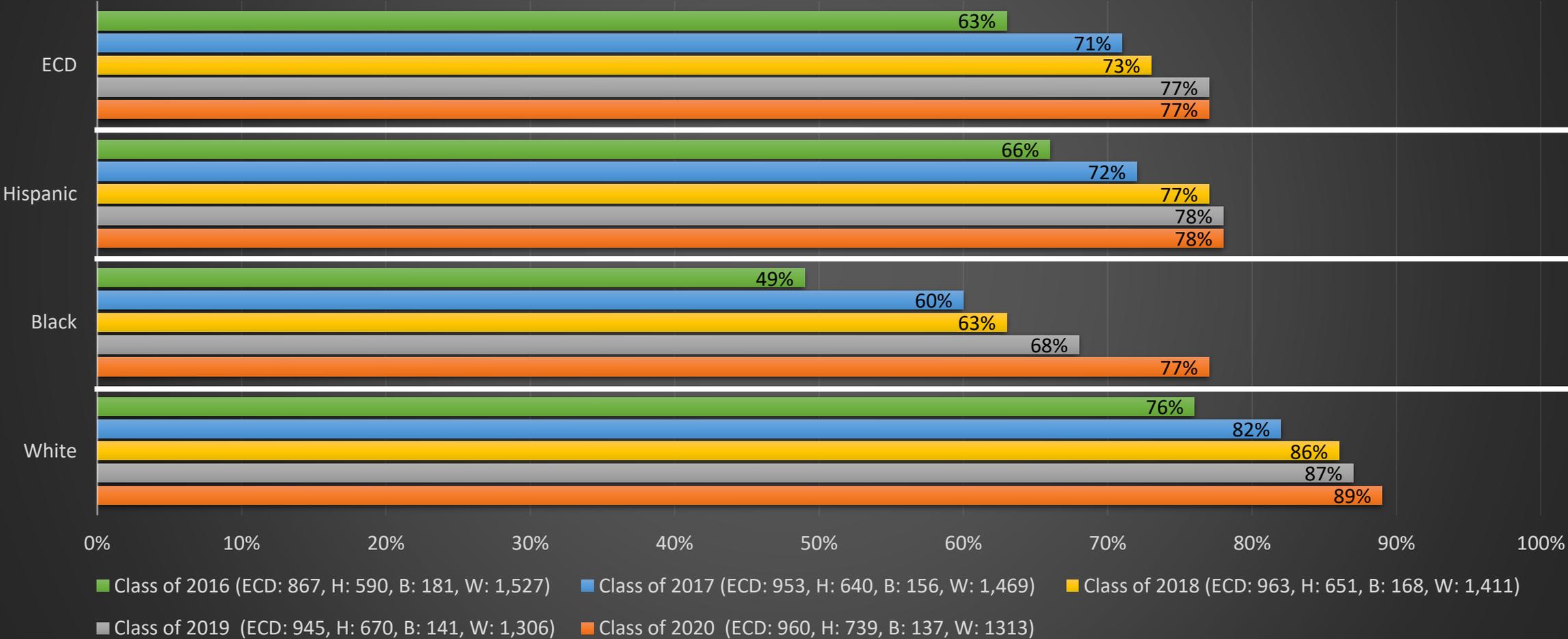
District 211 Junior High Dual Credit Enrollment



**Equal
Opportunity
Schools**

Equity and Access

Percentage of Students Participating in **at least One AP or Dual Credit Course** by Graduating Class Demographic Group



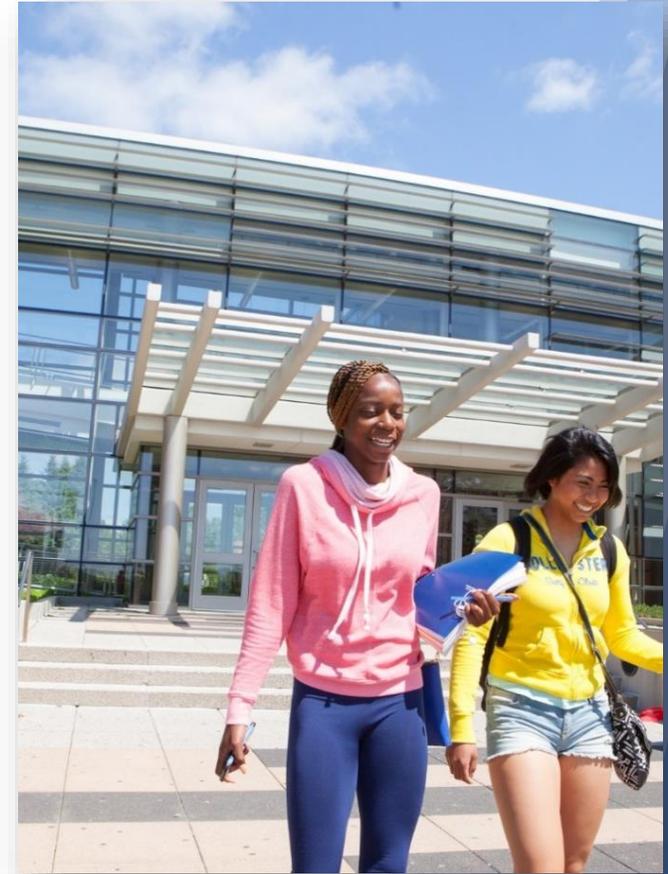


Business Degree In 3



Advantages

- Accelerated completion (3 years from high school graduation)
- Seamless advising
- Focus on calculus success
- No misaligned credits
- Leverages Harper Promise
- Lowers net college costs
- Guaranteed admission to NIU School of Business
- Earn a Bachelors Degree



1

+

1

+

2

Year 1
High School

Complete at least 26 Early College Credits
(AP and Dual Credit)



Year 2
Harper

Earn Associates Degree



Year 2 & 3
Northern Illinois University

Earn Your Bachelor's Degree



High School Course Code

Harper Course Code

Number of Credits

E62503 College Composition/
E319 AP English

ENG 101 composition

3

E60303 Fundamentals of Speech

SPE101 Fundamentals of Speech Communication

3

L66602 Spanish 4/ AP Spanish
L66202 French 4/ AP French

SPA202 Intermediate Spanish II
FRA202 Intermediate French II

4

AP Psychology

PSY101 Introduction to Psychology

3

S64702 Biology 2

BIO 101 Biology Survey

3

M437 Business Calculus
M459 AP Calculus AB
M449 AP Calculus AB
M479 AP Calculus BC

MTH 134 Calculus for Social Scientist

4

B684 Business Management

MGT111 Introduction to Business Organization

3

Coming Soon

ACC101 Introduction to Financial Accounting

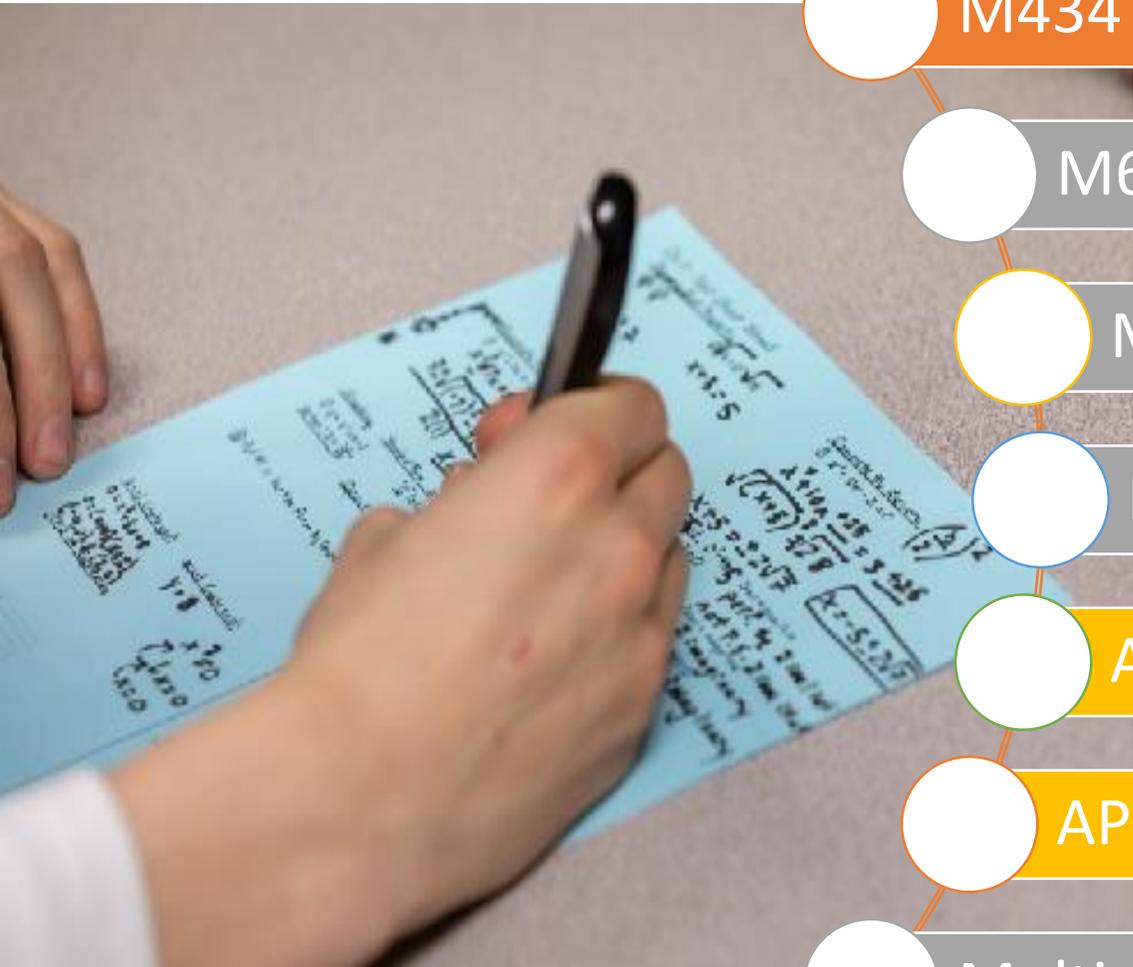
3

Early Credit High School Total Hours*

26+
Credit
Hours

*Additional credit hours may be earned by scoring a 3, 4, or 5 on AP exams

Senior Year Math Courses



M434 Data Modeling with Algebra (Transition Course)

M635 Quantitative Literacy (Dual Credit)

M647 College Algebra (Dual Credit)

Business Calculus (Dual Credit)

AP Calculus AB (Advanced Placement)

AP Calculus BC (Advanced Placement)

Multivariable Calculus (Dual Credit)

Harper College Course Sequences

Now a HS Dual Credit Spring '21

AP English (3,4, or 5)

AP Macroeconomics (3,4, or 5)

<i>Pre-Harper Summer</i>	
MGT 111 Introduction to Business Organization	3
	3
<i>Harper 1st Semester</i>	
ENG 102 Composition	3
ECO 211 Microeconomics	3
Humanities/Fine Arts	3
MTH 225 Business Statistics	4
CIS 101 Introduction to Computer Information Systems	3
	16
<i>Harper 2nd Semester</i>	
ECO 212 Macroeconomics	3
ACC 213 Legal Environment of Business	3
Physical Science	4
ACC 101 Introduction to Financial Accounting	4
Humanities/Fine Arts	3
	17
<i>Pre-NIU Summer</i>	
ACC 102 Introduction to Managerial Accounting	3
	3
<i>Harper College Total Hours</i>	39

Northern Illinois University Business Degrees

- Accountancy
- Entrepreneurship & Social Responsibility
- Finance
- Leadership & Management
- Marketing
- Human Resource Management
- Business Administration
- Operations & Information Management



Township High School District 211 Enrichment Opportunities

- Internships
- Business Professionals of America (BPA)
- Investment Club
- Entrepreneurship Club
- Student Council





214 Ready! Discover Your Future

Megan Knight - Director for Academic Programs and Pathways
Erin Torrisi - Early College Program Supervisor

Redefining Ready!

College Ready Indicators

Students are **College Ready** if they meet either the academic indicators **OR** standardized testing benchmarks listed below.

Academic Indicators

GPA 2.8 out of 4.0 and **one or more** of the following academic indicators:

- Advanced Placement Exam (3+)
 - Advanced Placement Course (A, B or C)
 - Dual Credit College English and/or Math (A, B or C)
 - College Developmental/Remedial English and/or Math (A, B or C)
 - Algebra II (A, B or C)
 - International Baccalaureate Exam (4+)
-

Standardized Testing Benchmarks (minimum score)

- SAT Exam: Math (530) | Reading and Writing (480)
 - ACT Exam: English (18) | Reading (22) | Science (23) | Math (22)
 - College Readiness Placement Assessment (determined by post secondary institution)
-

Additional Factors that Contribute to College Success

Earning As, Bs, Cs; FAFSA completion; enrollment in career pathway course sequence; college academic advising; participation in college bound bridge programs; senior year math class; completion of a math class after Algebra II.

Career Ready Indicators

Students are **Career Ready** if they have identified a career interest and meet two of the behavioral and experiential benchmarks listed below. In addition, students entering the military upon graduation must meet the passing scores on the Armed Services Vocational Aptitude Battery (ASVAB) for each branch of the military.

Career Cluster Identified and **two or more** of the following benchmarks:

- 90% Attendance
 - 25 hours of Community Service
 - Workplace Learning Experience
 - Industry Credential
 - Dual Credit Career Pathway Course
 - Two or more organized Co-Curricular Activities
-

Life Ready

Being **Life Ready** means students leave high school with the grit and perseverance to tackle and achieve their goals.

Students who are **Life Ready** possess the growth mindset that empowers them to approach their future with confidence, to dream big and to achieve big.

Our nation's schools provide social and emotional support and experiences to equip students with the **Life Ready** skills they will need for success in their future.

15 Credits

2x's likely to complete

8

Postsecondary Partners

2018

Dual Credit and
Advanced Placement

37,712

Through dual credit and
Advanced Placement

90%

Class of 2018
Enrolled in Early College
Coursework

67%

9+ Early College Semester
Hours Earned

\$14.1M

COST SAVINGS

12.5%

2014-2015

Early College Success

85%

2018-2019

Early College Success

76%

LATIN(X) EARLY COLLEGE SUCCESS

Math and English Redesign

95% OF ALL STUDENTS WILL EARN COLLEGE
CREDIT OR BE COLLEGE READY



AP Course
Options



Transition
Course Options



Dual Credit
Course Options

Career Pathways

RE-ENVISIONED
PROGRAMS OF STUDY



Sequence of
courses beyond
high school



Workplace
learning
experiences

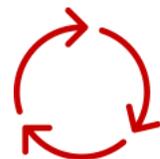


Career certification
or early college
credit

Career Pathway Design Guiding Principles



 ADVISORY TEAM

 RESEARCH & EVALUATION

 PATHWAY DEVELOPMENT

 IMPLEMENTATION & FUNDING



Career Pathways

9

10 -

1

Post
High School

Orientation
Coursework

Introduction to Career

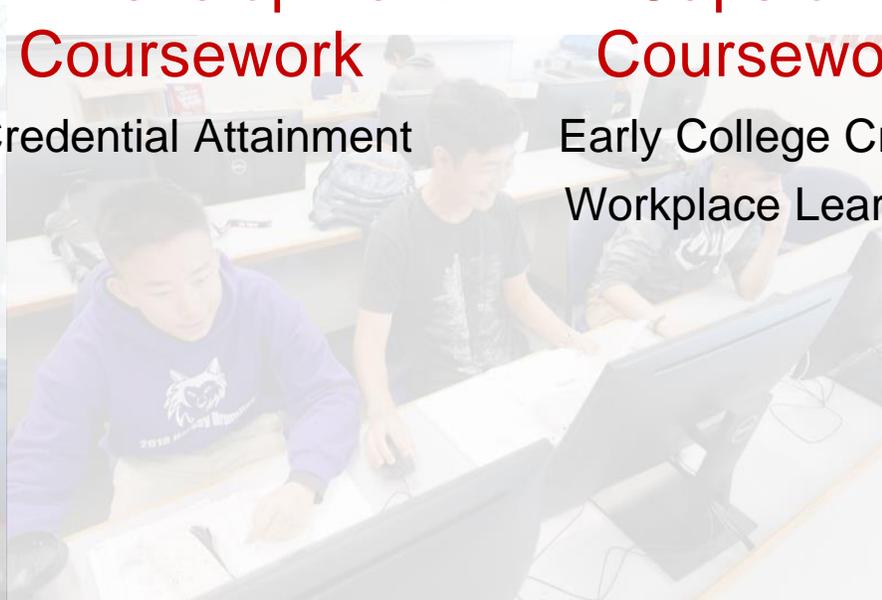
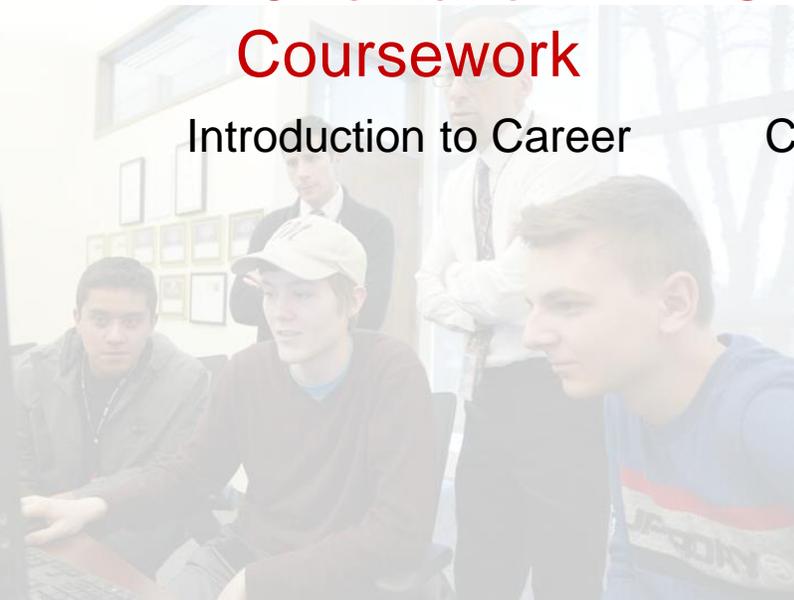
Skill Development
Coursework

Credential Attainment

Capstone
Coursework

Early College Credit/
Workplace Learning

Partnerships,
Employment, and
Higher Ed





Postsecondary and Career Expectations

What students should know:

A student should know:

- An understanding of graduation requirements and potential opportunities to take a career pathway course
- One or two career clusters for further exploration and development
- **Redefining Ready!:** The relationship between high school coursework, attendance and grades to post-secondary plans
- Importance of community service and extracurricular activities to post-secondary and career plans

A student should know:

- Benefit of early college credit opportunities to postsecondary access and completion
- **Redefining Ready!:** General understanding of college readiness indicators
- The importance of attending a career related activity or career event

A student should know:

- Application deadlines, test timing, cost and prep for industry-based certification for career pathway
- A comprehensive understanding of multiple post-secondary options and pathways
- 3-5 match schools, one safety and one reach school for post-secondary program of study
- Negative impact of remediation on post-secondary goals
- Career attributes related to career interest

A student should know:

- How career pathway courses and experiences articulate to degree programs and post-secondary options
- Affordability of Postsecondary options in relation to expected entry-level career salary and anticipated debt



Redefining the Senior Year



MODELS FOR PERSONALIZED LEARNING

How do you redesign the traditional school sequence to foster relevance and choice?

Career
Academies

Internships
&
Apprenticeships

Early College
Center

Middle
College

Questions or More Information?

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