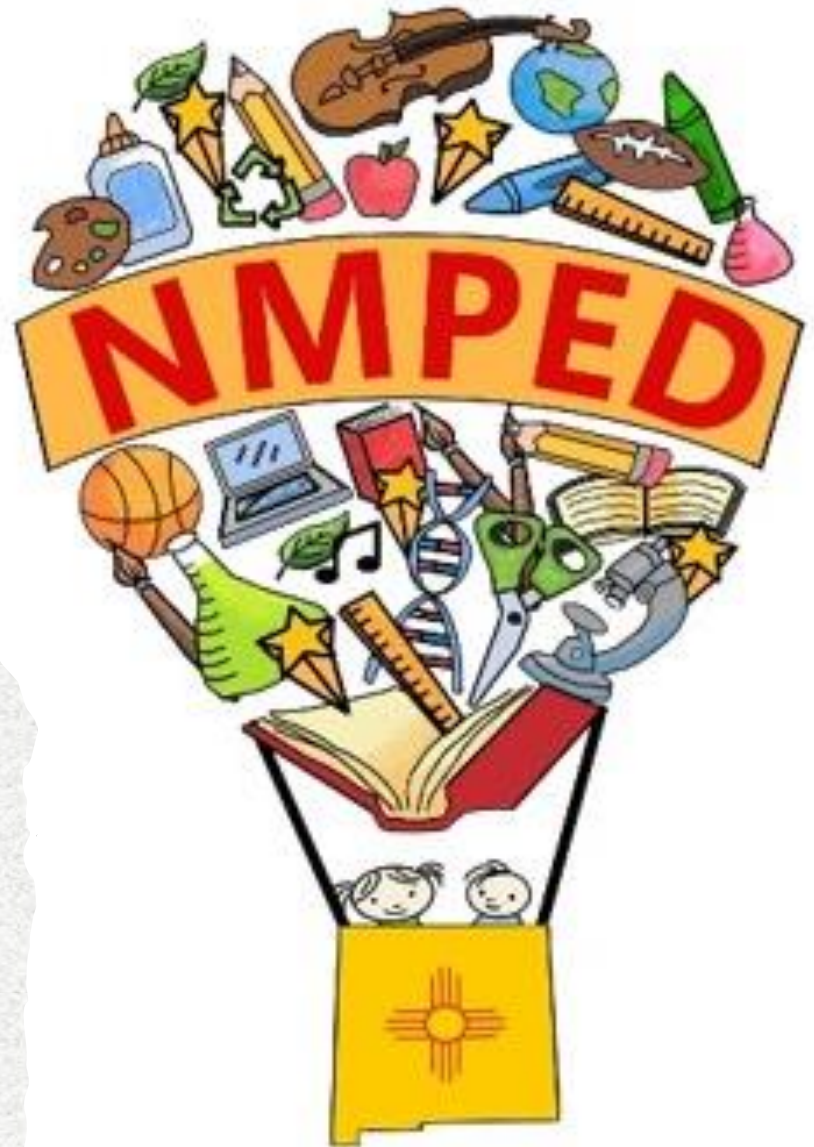


Dual Credit, College and Career Readiness and CTE

Rebecca Galves
CTE Admin

College and Career Readiness Bureau



Objectives

1

Navigating dual credit
and career connected
learning.
Helping students
become college and
career ready.

2

Dual credit and how it
impacts:

- NCAA eligibility and scholarships
- Lottery Scholarship
- Meeting the required “seat time”

3

Dual credit courses and
work-based learning in
support of CTE programs
of study

College and Career Readiness Defined

*Source: Dr. David Conley's
Model of College Readiness*

Work
Ready

Meets basic expectations regarding workplace behavior and demeanor



Job
Ready

Possesses specific knowledge necessary to begin an entry-level position



Career
Ready

Possesses sufficient foundational knowledge and skill and general learning strategies necessary to engage in a career pathway and is prepared in the four dimensions of career readiness



College
Ready

Is prepared in the four dimensions of college readiness necessary to succeed in entry-level general education courses

Career Connected Learning

From a Pathways to Success
webinar, held by the U.S.
Department of Education on
June 1, 2022:



The vision is to have *every high school student*:

- Earn ***college credits*** through dual enrollment, in both general education and in courses related to their career interests
- Receive ***personalized career and college counseling*** and navigation supports that are informed by data, employer needs, and workforce demands to make decisions about their next steps
- Engage in ***real-world, work-based learning*** in which they develop and hone their competencies in practice and gain experience in the workplace, **AND**
- Earn their first ***industry credentials*** that demonstrate their mastery of in-demand skills.

Career Connected Learning Programs - CCRB



College Acceleration:

- Early College High Schools
- Dual Credit Courses
- Advanced Placement Courses

Connections to Work:

- Career Technical Education
 - Career Clusters for Programs of Study aligned with workforce demands
 - Comprehensive Local Needs Assessments
 - Labor Market Data Analyses
- Careers2Communities program
 - P2C, Pathways2Careers
 - <https://careers2communities.com/educators/math-curriculum/>
- College Connections for Counselors
- Next Step Planning Career Goal Setting
- Summer Internship Program

ECHS Teachers, Counselors, Staff, Admin

Equitable
Access



Academic
Pathways



Robust
Student Support



Connections
to Career



High-Quality and
Deep Partnerships



Exceptional
Leadership Skills



**What is YOUR vision for
*every high school student?***

**How do you pull from your own
high school experiences, your
college experiences, to help you
achieve your vision?**

- *College credits*
- *Personalized career and college counseling*
- *Real-world, work-based learning*
- *Industry credentials*

Dual Credit & Career Connected Learning

Dual credit courses connect career learning by:

- assisting students in their transition from high school to the workplace or to postsecondary educational pursuits.
- beginning to acculturate high school students to workplace and/or college culture.
- students begin developing the skills, and habits of mind essential for success in a professional, or postsecondary setting.
- presenting rigorous curriculum offered predominantly at trade and postsecondary schools.
- opportunities to advance the student toward an industry-recognized certification in their desired field of study.



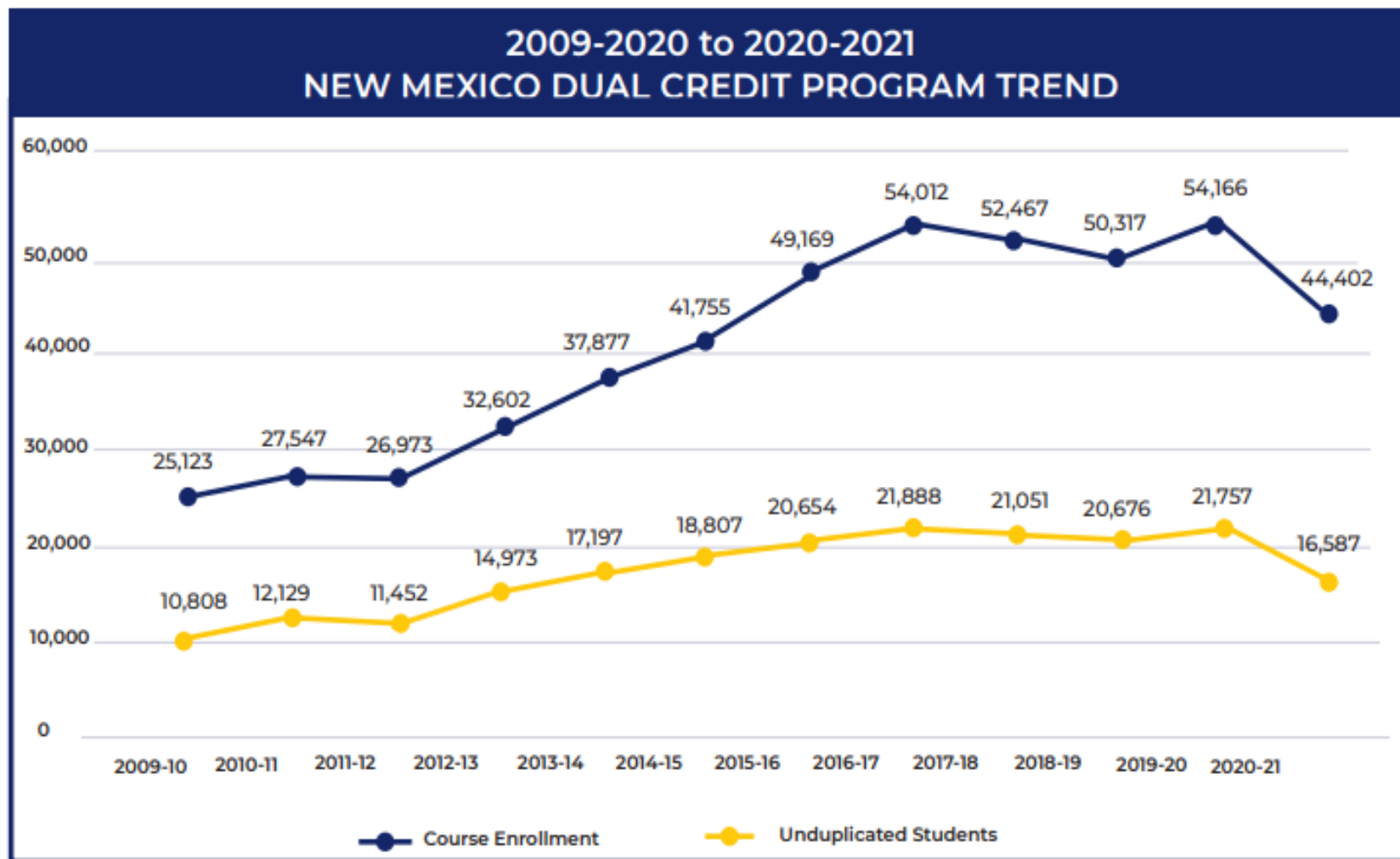
NM By the Numbers, SY21

Total HS student count	102,650
ECHS total student count	3,215 (2,987 end 2022)
DC total enrollment	16,587 (58.7% F, 41.3% M)
DC Graduation cohort rate	89.3% (vs 78% statewide)
CTE total student count	65,759
CTE concentrator count	12,724 (12.4% of all students)
CTE Graduation rate (for concentrators)	97.6% (vs 78% statewide)

STARS CCR Reports, <https://eui.ped.state.nm.us/sites/stars/default.aspx>
HEI, https://www.nacep.org/docs/resources/Dual-Credit-Report-2022_final.pdf

NEW MEXICO DUAL CREDIT PROGRAM TREND

In academic year 2020–2021, 16,587 unduplicated students enrolled in dual credit courses. “Unduplicated students” refers to distinct students who enrolled in at least one dual credit course in each academic year. These unduplicated students took a combined total of 44,402 dual credit courses.



Dual Credit and Next Step Plans (NSP)

NSPs benefit students!

- Research personal career interests and set goals
- Plan postsecondary education
- Explore financial aid opportunities
- Examine industry certifications and other career options

NSPs are required as dual credit enrollment supporting documentation submitted with the DC Request Form.



SAMPLE NEXT STEP PLAN TEMPLATES:

<https://webnew.ped.state.nm.us/bureaus/college-career-readiness/next-step-plan/>
<https://webnew.ped.state.nm.us/bureaus/college-career-readiness/perkins/>

Dual Credit and Certifications for Career Connected Learning

Every student:
Career Readiness
CPR/First Aid
Microsoft

Targeted:
OSHA 10 or 30
NCCER
Welding
NC3
FEMA
Automotive
Cosmetology
ServSafe

Any Career:
WordPress
Unity
Adobe

Python
Hotel & Lodging
CompTIA
EPA
Real Estate
EMT
Corel
and many more

CERTIFICATION BODIES

- National Registry of Environmental Professionals
- Society of American Foresters
- National Association of Landscape Professionals
- American Welding Society
- National Center for Construction Education and Research
- Manufacturing Skill Standards Council
- Tooling U-Society of Manufacturing Engineers
- National Institute for Metalworking Skills
- National Coalition of Certification Centers
- National Association of Manufacturers

CERTIFICATION BODIES

- National Retail Federation Foundation
- Community Transportation Association of America
- American Purchasing Society
- Association for Supply Chain Management
- Manufacturing Skill Standards Council
- National Coalition of Certification Centers
- National Association of Health Care Assistants
- American Medical Technologist
- National Association of Social Workers
- American Medical Association Foundation

<https://www.ccd-center.org/quality-credentials>

ECHS Teachers, Counselors, Staff, Admin

What are the most common certifications achieved on your campus?

What are the roadblocks?

Equitable
Access



Academic
Pathways



Robust
Student Support



Connections
to Career



High-Quality and
Deep Partnerships



Exceptional
Leadership Skills



2

Dual credit and how it impacts:

- NCAA eligibility and scholarships
- Lottery Scholarship
- Meeting the required “seat time”

Dual Credit and NCAA Eligibility



The National Collegiate Athletic Association is an organization dedicated to providing a pathway to opportunity for college athletes.

More than 1,100 colleges and universities are members of the NCAA. Those schools work together with the NCAA national office and athletics conferences across the country to support 500,000 college athletes that make up more than 19,500 teams competing in NCAA sports.

Three NCAA divisions:

Division I schools generally have the biggest student bodies, largest athletic programs, manage the largest athletics budgets and offer the highest number of athletics scholarships.

The Division II approach provides growth opportunities through academic achievement, learning in high-level athletics competition and a focus on service to the community.

The Division III experience offers participation in a competitive athletics environment that pushes college athletes to build upon their potential by tackling new challenges across campus. No athletic scholarships are offered at the D3 level.

Dual Credit and NCAA Eligibility

DC positively impacts the student-athlete experience at the next level for every division.

Only about 2% of high school athletes are awarded athletics scholarships to compete in college

College-bound students who want to compete at a Division I, II or III school must meet academic and/or amateurism standards set by NCAA members. Eligibility standards can be found on each division's page on eligibilitycenter.org.



NCAA Progress Towards Degree (PTD):

Student-athletes are the only student group required to meet very specific PTD requirements from outside the institution.

DC helps student-athletes meet the 40/60/80 rule BUT they must be Degree Countable.

DC will often fill open elective spaces, limiting the student's choices moving forward. Total elective credits are limited and different per major, college, and institution.

GPA in DC courses can impact eligibility, IF the student stays in NM.

Athletics scholarships are not impacted by DC.

http://fs.ncaa.org/Docs/eligibility_center/Student_Resources/CBSA.pdf

Dual Credit and NCAA Eligibility

THINKING OF GOING PRO?

There are nearly 500,000 NCAA student-athletes, and **less than 2%** will go pro in their sport.

	MEN'S BASKETBALL	WOMEN'S BASKETBALL	FOOTBALL	BASEBALL	MEN'S ICE HOCKEY
High School Student-Athletes	540,769	399,067	1,006,013	482,740	35,283
NCAA Student-Athletes	18,816	16,509	73,712	36,011	4,323
NCAA Student-Athletes Drafted	52	31	254	791	71
*Percentage High School to NCAA	3.5%	4.1%	7.3%	7.5%	12.3%
*Percentage NCAA to Professional	1.2%	0.8%	1.6%	9.9%	7.4%

**Percentages based on estimated data.*



ATHLETICS
SCHOLARSHIPS

Help students realize that academic scholarships:

- Include more money to cover tuition, fees, books, supplies, etc.
- Have fewer restrictions and are more stable.
- Often cover the full cost of attendance plus spending money.

Dual Credit and the New Mexico Legislative Lottery Scholarship



More about the Lottery
Scholarship:

<https://hed.nm.gov/financial-aid/scholarships/legislative-lottery>

To be eligible for the Legislative Lottery Scholarship, New Mexico students must:

- Obtain a NM high school diploma or NM general education development (GED) diploma while maintaining NM residency,
- Enroll full-time within 16 months of diploma date and maintain continuous enrollment,
- Enroll in and earn 15 CR/4-year or 12 CR/2-year or more at an eligible NM public college or university each semester, and
- Maintain a min 2.50 GPA during the first academic semester in college, then a 2.5 CUM GPA+ each semester of enrollment.

The New Mexico Legislative Lottery Scholarship will pay up to 100% of tuition (up to an undergraduate degree) for students who meet the eligibility criteria for 7 semesters (or 3 semesters at a 2-yr college).

Dual Credit and the New Mexico Legislative Lottery Scholarship

Dual credit courses can impact lottery scholarship eligibility.



- Ensure students select “First Time Freshman” on every college application
- Cumulative dual credit GPA is blended into the 2nd semester freshman year grades at the postsecondary level
- Good grades (A's and B's) will support eligibility
- Average and bad grades (C's, D's and F's) could make a student ineligible for the lottery scholarship

DC and Meeting Required Seat Time

2021 New Mexico Statutes
Chapter 22 - Public Schools
Article 2 - Public Education Department and Commission
Section 22-2-8.1 - School year; length of school day; minimum

Universal Citation: [NM Stat § 22-2-8.1 \(2021\)](#)

A. Regular students shall be in school-directed programs, exclusive of lunch, for a minimum of the following:

(3) grades seven through twelve, six hours per day or one thousand eighty hours per year.

High School:

- 1 CR equals 120 hours of classwork, or 160 45-minute periods
- NM Statute states that 1 HS CR equals 3 postsecondary hours

Dual Credit/College Credit Hours:

- 3 CR HR equals 45 contact hours
- Plus 2 hours of classwork outside class per credit per week
 - 6 hours x 15 weeks = 90 hours classwork + 45 contact hours =
 - 135 hours classwork per DC course per semester

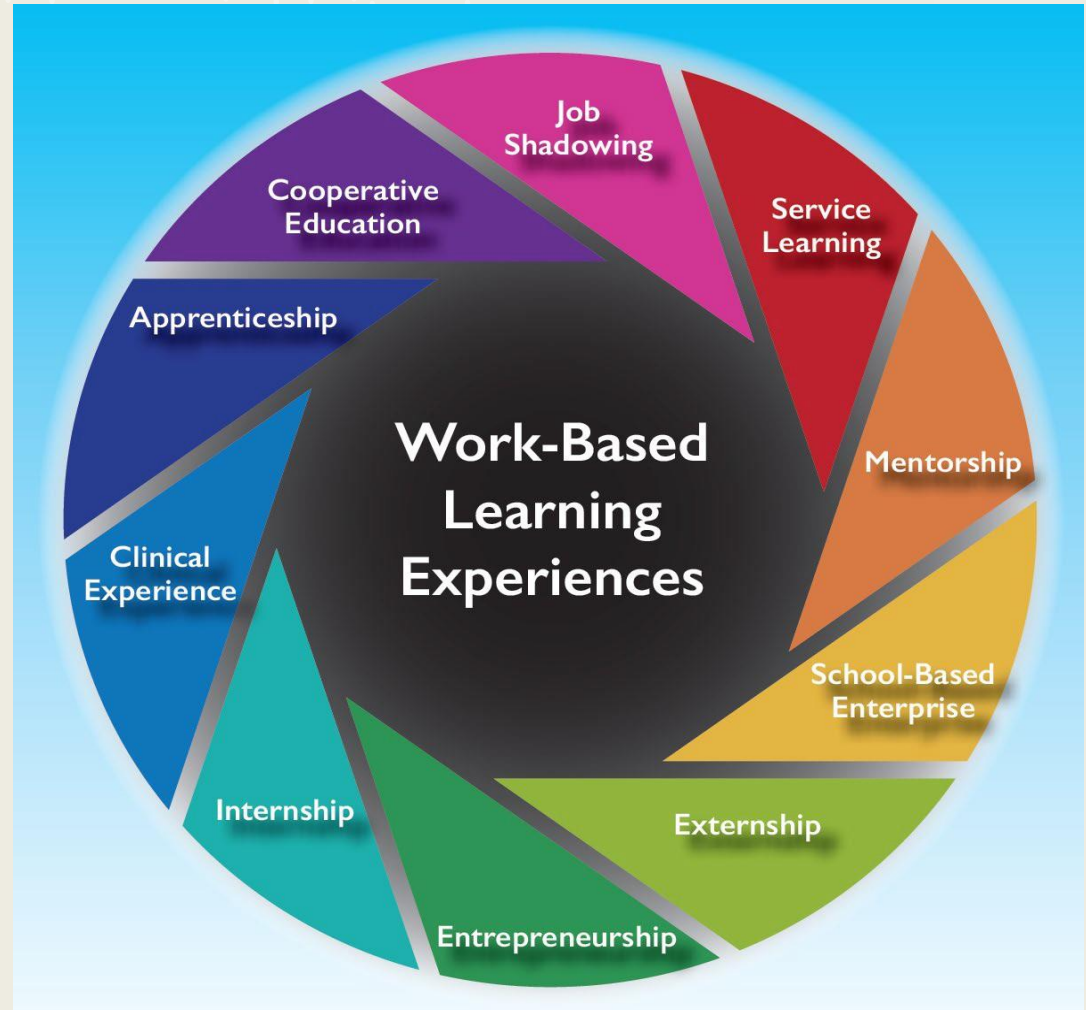
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Dual credit courses and
work-based learning in
support of CTE programs
of study

What is Work Based Learning?

By definition from New Mexico Administrative Code (NMAC):

“Work-based learning” means activities that develop workplace skills such as tours, job shadowing, work experience rotations, mentoring, entrepreneurship, service learning, internships, co-ops, or youth pre-apprenticeships aligned with a registered apprenticeship program under the New Mexico Department of Workforce Solutions.



What is Work Based Learning?

Advance Career & Technical Education Definition:

“Work-based learning is an educational strategy that offers learners an opportunity to reinforce and deepen their classroom learning, explore future career fields, and demonstrate their skills in an authentic, real-world setting.”

Strengthening Career & Technical Education for the 21st Century Act Definition:

“Work-based learning means sustained interactions with industry or community professionals in real workplace settings, to the extent practicable, or simulated environments at an educational institution that foster in-depth, firsthand engagement with the tasks required in a given career field, that are aligned to curriculum and instruction.”.

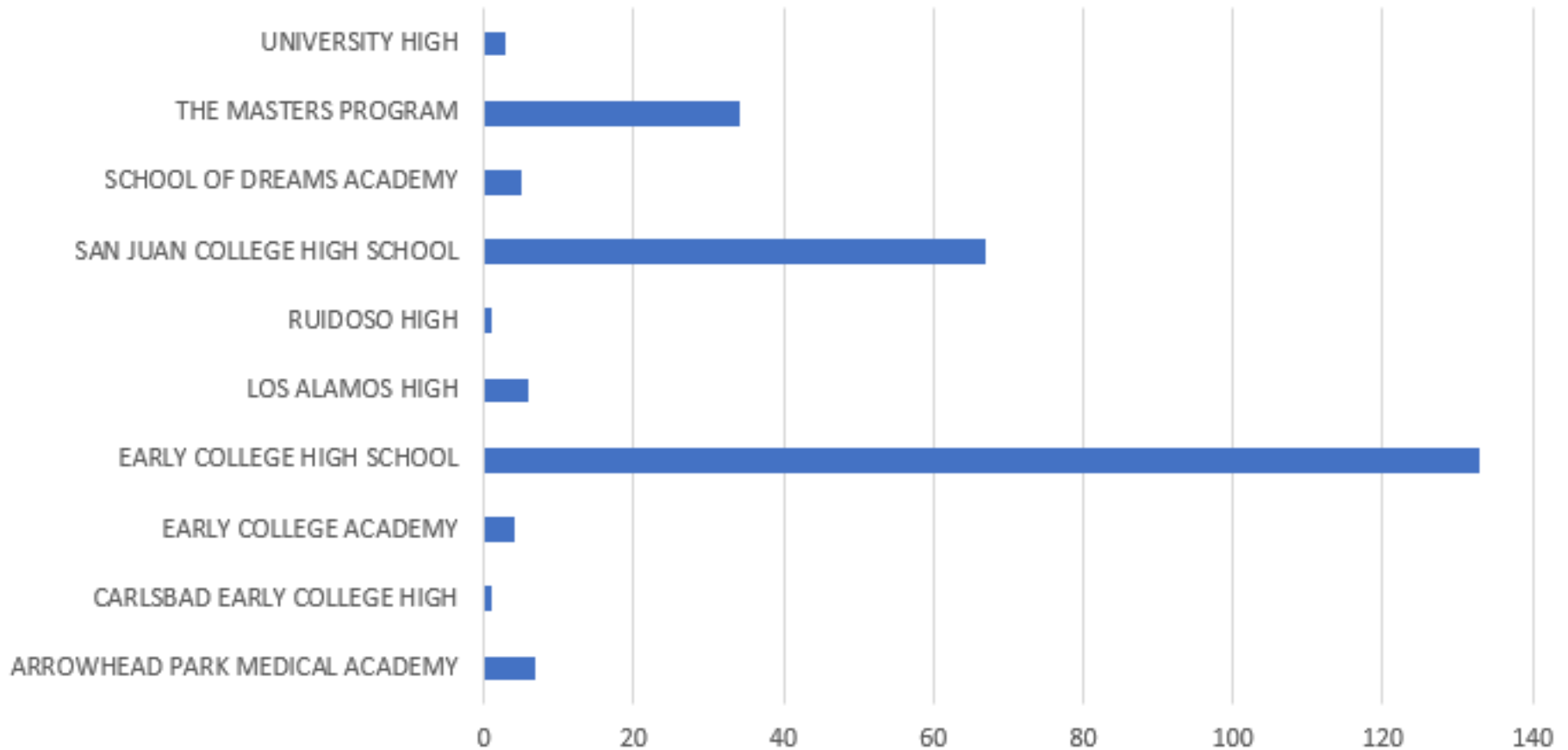
Work Based Learning Experiences

Tours	Job Shadowing	Rotations	Mentoring
Students take part in employer-led worksite tours and provides students information on job requirements	Students make brief worksite visits to spend time with individual workers learning what jobs entail	Students work in a number of different departments or for different employers to explore occupations within an industry	Students are paired with “adult peers” from the workplace who provide guidance & encouragement on career-related projects.

Entrepreneurship	Service Learning	Internships & Co-Ops	Youth Apprenticeship
Students create an alternate work program, are their own boss, earn money, create a project, run their business, & earn high school credit	Students provide service/s as unpaid work, geared to the public good, integrated with school learning through projects or similar mechanisms	Students participate in paid work experience with employer, school coordinator & student agreeing to follow training plan. Students take related CTE courses in school	Students commit to one or two years of paid work experience in a specific trade & is registered as a youth apprentice

NM: 10 ECHS serving 261 WBL students

Total WBL Students by School



WBL course codes associated with CTE:



Course codes associated with WBL courses usually end in XX98:

- 0798 Drafting-Co-Op
- 0498 Construction Trades-Internship
- 2598 Public Protective Social Services-Co-op
- 1598 Health Care Sciences-Co-Op
- 0698 Cosmetology-Internship
- 2498 Precision Metalwork-Co-Op
- 1898 Marketing Work Experience-Co-Op
- 0998 Transportation Tech-Internship

STARS codes XX9X are similarly defaulted for indication of Internship or OJT opportunities:

- 0297 Business Work Experience/Co-op
- 1606 Work Experience
- 0597 Teaching & Practicum -OJT
- 0397 Computer/IT Sc-OJT
- 2497 Precision Metalwork-OJT
- 1897 Marketing-Mentorship/Internship

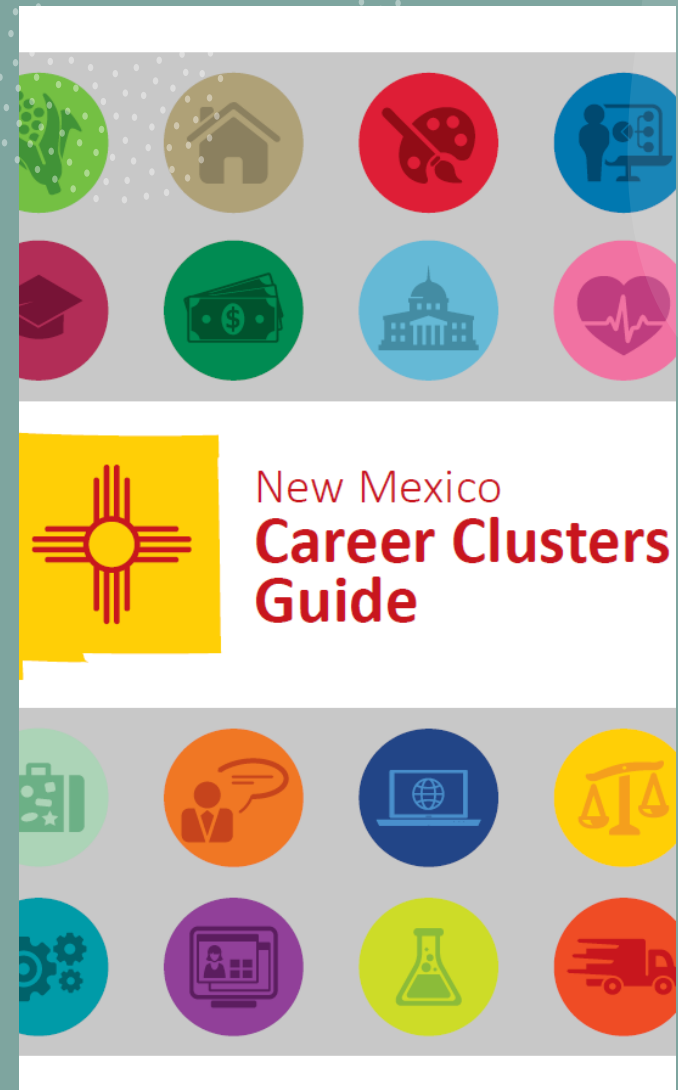
WBL and CTE: Career Clusters Guide & Programs of Study

The Career Clusters Guide:

- Designed around career clusters and related pathways
- Portrays a common set of knowledge and skills required for career success in each path
- Provides information and links to resources for students, parents, counselors, and administrators

A program of study is a comprehensive structured approach to prepare students for postsecondary education and career success.

Goal: Students are college and career ready.



The Interest Profiler is a self-assessment that:

1. Helps identify work-related interests
2. Focuses career search activities
3. Links interests to occupations with the career clusters

Career Interest Profiler, self-assessment
<https://www.onetcenter.org/IP.html>

Career and College Readiness Bureau ECHS Perkins Concentrator Count by Cluster

School Year: 2020-2021

Version: 45 - 20 21 CAR - Perkins5

Level: State

Cluster	Student Count
Agriculture Food and Natural Resources	28
Architecture and Construction	12
Arts Audio-Video Technology and Communications	14
Business Management & Administration	3
Education and Training	0
Finance	7
Government and Public Administration	3
Health Science	96
Hospitality and Tourism	0
Human Services	2
Information Technology	2
Law Public Safety & Security	8
Manufacturing	17
Marketing Sales & Service	0
Science Technology Engineering and Math	54
Transportation Distribution & Logistics	40
Cluster Total ECHS	286

Consider Career Technical Student Organizations as WBL support

- In New Mexico we have eight CTSO's with a major presence in our state:
 - BPA: Business Professionals of America
 - DECA
 - Educators Rising
 - FCCLA: Family, Career and Community Leaders of America
 - FFA
 - HOSA: Future Health Professionals
 - SkillsUSA
 - TSA: Technology Students Association
- All CTSOs, while not currently offering WBL, can be leveraged to collaborate and support work-based learning activities
- All WBL activities including Career Exploration can be funded with Perkins Basic or NextGen grant dollars
- Also include the ability to subsidize WBL Coordinator positions if it is not already funded through the Operational budget

Career Awareness Links and Resources

Target Audience	User Level	Career Exploration	Career Planning	Labor Market Information (LMI)	Support Services
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NM Dept of Workforce Solutions, <https://www.nmcareersolutions.com/>

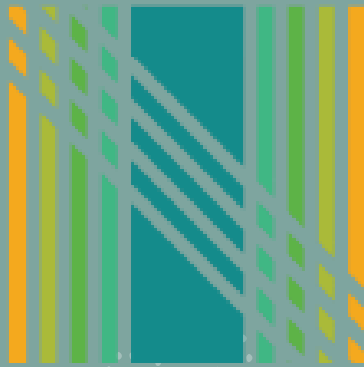
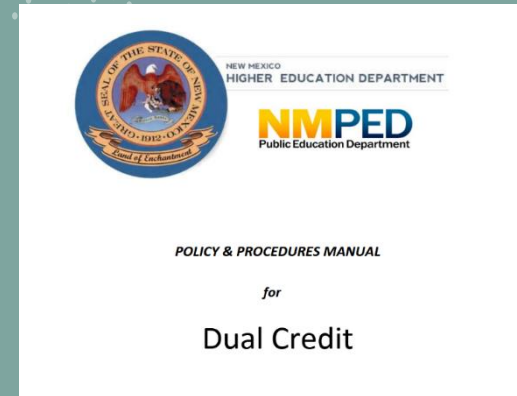
Department of Labor's One Stop Center, <http://careeronestop.org>

Career Plan of Study Templates, <https://careertech.org/career-clusters>

<https://webnew.ped.state.nm.us/wp-content/uploads/2018/12/New-Mexico-Career-Awareness-Websites-and-Resources-revised-10-29.pdf>

Dual Credit Links

Dual Credit Policy and Procedure Manual:
CCRB-Dual-Credit-Policy-and-Procedures-Manual-
4.2.18.pdf



NACEP

2022 New Mexico Dual Credit Annual Report:
<https://www.nacep.org/resource-center/2022-new-mexico-dual-credit-annual-report/>

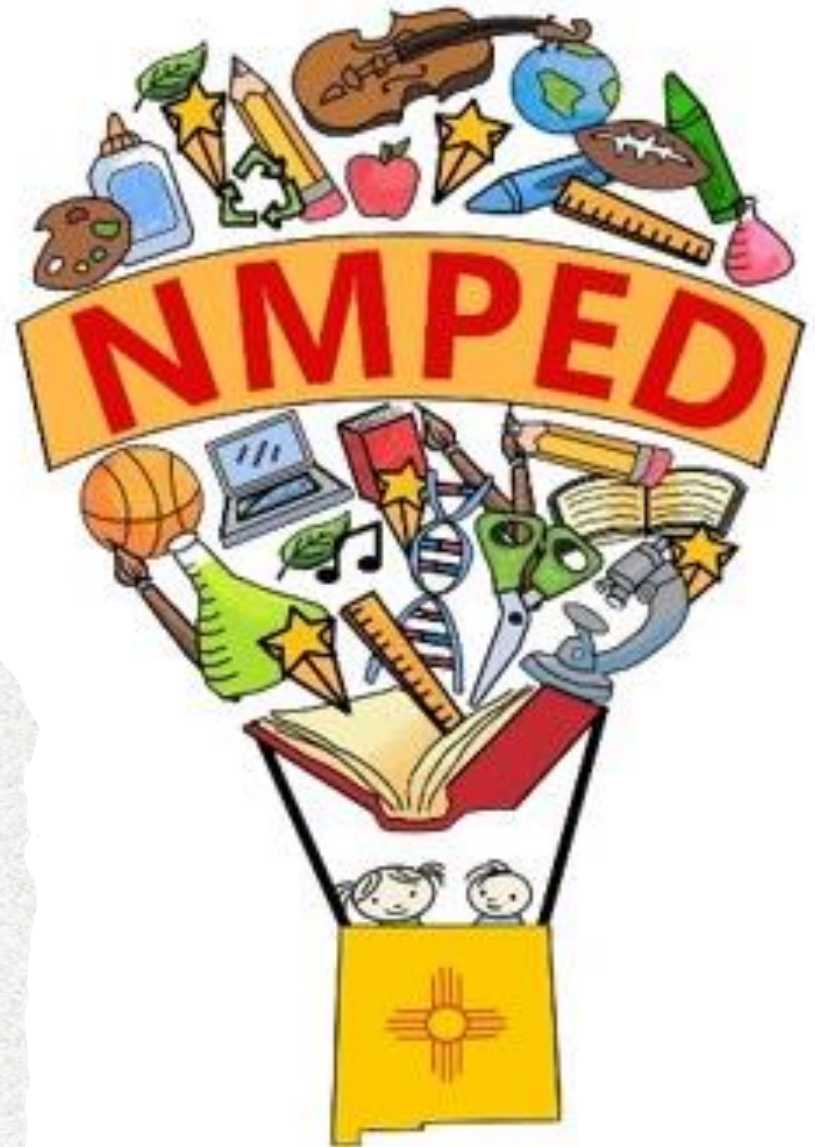
Questions



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State of New Mexico
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Dual Credit, College and Career
Readiness and CTE



Transcribing Dual Credit according to NM Dual Credit Law

- Dual credit law is contained in 21-1-1.2 NMSA 1978
- Dual credit law is further articulated in 6.30.7 NMAC
- Dual credit law was amended by SB158 Dual Credit Program Parity in 2014
- Dual credit courses are transcribed by law at 3 postsecondary hours = 1 high school unit

FIND DUAL CREDIT LEGISLATION AND LAW HERE:

Dual Credit Administrative Rule and Legislation

<https://webnew.ped.state.nm.us/bureaus/college-career-readiness/dual-credit/>

KEYS TO CAREER AND COLLEGE READINESS

think:

*Problem Formulation
Research
Interpretation
Communication
Precision & Accuracy*

**Key
Cognitive
Strategies**

know:

*Structure of Knowledge
Challenge Level
Value
Attribution
Effort*

**Key
Content
Knowledge**

go:

*Postsecondary Awareness
Matriculation
Career Awareness
Role and Identity
Self-advocacy
PS Costs*

**Key
Transition
Knowledge
and Skills**

**Key
Learning
Skills and
Techniques**

act:

*Ownership of Learning
Learning Techniques
Next Step Plan
Obtain Certifications
Work-Based Learning*

FOUR KEYS TO COLLEGE AND CAREER READINESS

Key Content Knowledge

- + Structure of knowledge
 - + Key terms and terminology
 - + Factual information
 - + Linking ideas
 - + Organizing concepts
- + Challenge level
- + Value
- + Attribution
- + Effort

Key Cognitive Strategies

- + Problem formulation
 - + Hypothesize
 - + Strategize
- + Research
 - + Identify
 - + Collect
- + Interpretation
 - + Analyze
 - + Evaluate
- + Communication
 - + Organize
 - + Construct
- + Precision & accuracy
 - + Monitor
 - + Confirm

Key Learning Skills & Techniques

- + Ownership of learning
 - + Goal setting
 - + Persistence
 - + Self-awareness
 - + Motivation
 - + Help seeking
 - + Progress monitoring
 - + Self-efficacy
- + Learning techniques
 - + Time management
 - + Test taking skills
 - + Note taking skills
 - + Memorization/recall
 - + Strategic reading
 - + Collaborative learning
 - + Technology proficiency

Key Transition Knowledge & Skills

- + Postsecondary awareness
 - + Aspirations
 - + Norms/culture
- + Postsecondary costs
 - + Tuition
 - + Financial aid
- + Matriculation
 - + Eligibility
 - + Admissions
 - + Program
- + Career awareness
 - + Requirements
 - + Readiness
- + Role and identity
 - + Role models
- + Self-advocacy