

# Starting Students with a Purpose

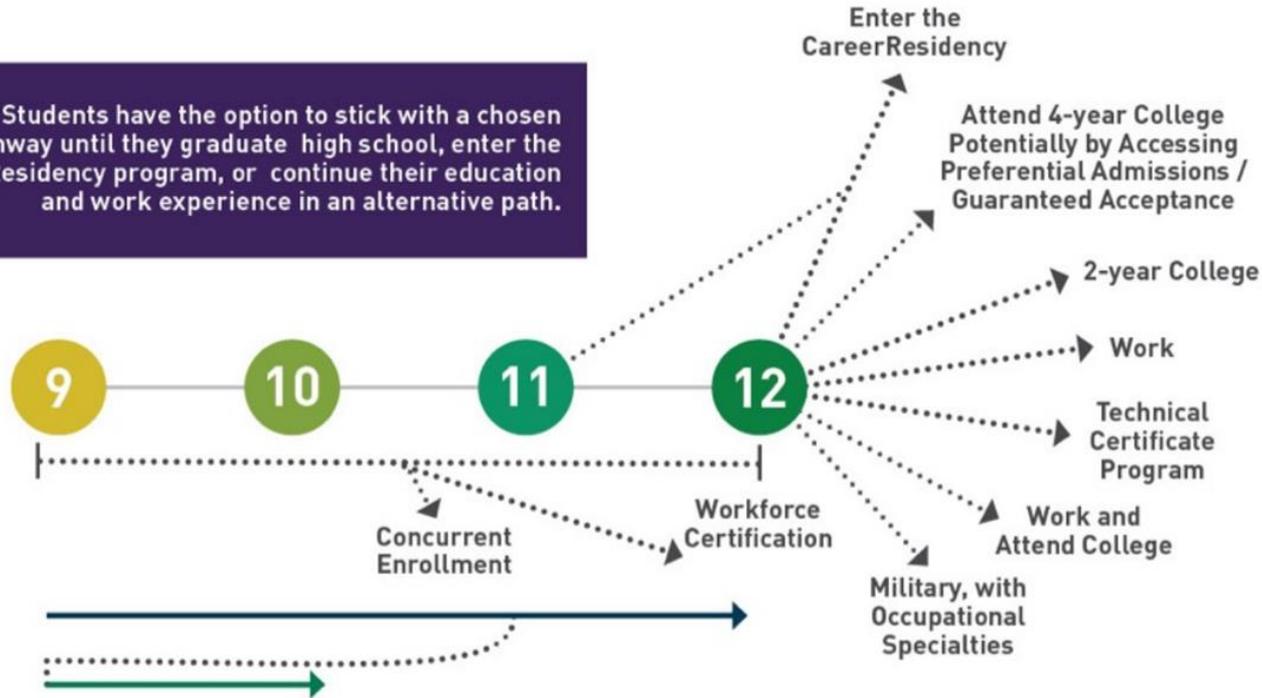
Traci Sanchez, Ed.S, MCC

Denver Public Schools CareerConnect Coordinator



# DPS CareerConnect Post-Secondary Opportunities

Students have the option to stick with a chosen pathway until they graduate high school, enter the CareerResidency program, or continue their education and work experience in an alternative path.



Students are not locked into a single pathway. All students, no matter their grade or age, can enter new or additional pathways starting with the introductory / survey courses and participate in those classes' work-based learning opportunities.

# Colorado Career Cluster Model

★ Current Hot Career Field

**Management and Administration**

- Administrative Services
- Business Information Technology
- Corporate/General Management
- Human Resource Management
- Operations Management

**Marketing**

- Marketing Communications
- Marketing Management
- Marketing Research
- Merchandising
- Professional Sales/Sales Management

**Finance**

- Accounting
- Banking Services
- Corporate Finance
- Insurance
- Securities & Investments

**Government & Public Administration**

- Foreign Service
- Governance
- Legal Services
- Planning
- Public Management & Administration
- Regulation
- Revenue & Taxation

**Business, Marketing & Public Administration**

CTSOs – DECA, FBIA, PBL

**Agriculture, Food & Natural Resources**

- Animal Science\*
- Agribusiness Systems
- Food Products & Processing Systems\*
- Natural Resource & Environmental Systems\*
- Plant Science\*
- Power, Structural & Technical Systems\*

**Energy** ★

- Electromechanical Generation & Maintenance\*
- Electrical Energy Transmission & Distribution\*
- Energy Efficiency & Environmental Technology\*
- Fossil Energy Extraction, Processing & Distribution\*
- Renewable Energy Production\*

\*STEM affiliated pathway      CTSO – FFA

**STEM** (Science, Technology, Engineering & Math)  
 See also STEM affiliated pathways noted by \*

- Research, Exploration & Innovation
- Design, Development & Application

**Arts, A/V Technology and Communication**

- Audio/Video Technology & Film
- Journalism & Broadcasting
- Performing Arts
- Printing/Publishing
- Visual & Design Arts^

**Information Technology**

- Information Support and Services
- Interactive Media
- Network Systems & Telecommunications\*
- Programming & Software Engineering\*

CTSOs – TSA, CCCSO, SkillsUSA, ^FCCIA

**Postsecondary & Workforce Readiness (PWR)**

**Entrepreneurial:** Critical Thinking & Problem Solving, Creativity & Innovation, Inquiry & Analysis, Informed Risk Taking

**Personal:** Initiative & Self-Direction, Personal Responsibility & Self-Management, Adaptability & Flexibility, Learning Style Awareness

**Civic:** Core Academic Foundation, Collaboration & Teamwork, Communication, Global & Cultural Awareness

**Professional:** Time & Work Management, Career Literacy, Grit & Resilience, Work Ethic, Dependability & Reliability

**Academic:** Application of Knowledge & Skills, Evaluation, Discernment

CTE Pathway for Special Populations Include:  
 Alternative Cooperative Education (ACE)      CTSO – (SC)<sup>2</sup>

**STEM, Arts, Design & Information Technology** ★

**Hospitality, Human Services & Education (+)**

**Hospitality & Tourism** ★

- Lodging
- Recreation, Amusements & Attractions
- Restaurants, Food & Beverage Services
- Travel & Tourism

**Human Services**

- Consumer Services
- Counseling & Mental Health Services
- Early Childhood Development
- Family & Community Services
- Personal Care Services

**Education & Training**

- Administration and Administrative Support
- Professional Support Services
- Teaching and Training

+ FACS Core & World Of Work (WOW)  
 CTSOs – FCCLA, ~SkillsUSA

**Health Science, Criminal Justice & Public Safety**

**Health Science** ★

- Biotechnology Research & Development\*
- Diagnostic Services
- Health Informatics
- Supportive Services
- Therapeutic Services

**Law, Public Safety, Corrections & Security**

- Correction Services
- Emergency & Fire Management Services
- Law Enforcement Services
- Security & Protective Services

CTSOs – HOSA & ~SkillsUSA  
 \*STEM affiliated pathway

**Skilled Trades & Technical Sciences**

**Architecture & Construction**

- Construction
- Design & Pre-construction\*
- Maintenance & Operations

**Manufacturing** ★

- Health, Safety & Environmental Assurance
- Logistics & Inventory Control
- Manufacturing Production
- Maintenance, Installation & Repair
- Production/Process Technology\*
- Quality Assurance

CTSOs – TSA, SkillsUSA

**Transportation, Distribution & Logistics**

- Facility & Mobile Equipment Maintenance
- Health, Safety & Environmental Management
- Logistics, Planning & Management Services
- Planning, Management & Regulation
- Sales & Service
- Transportation Operations
- Transportation/Systems Infrastructure
- Warehousing & Distribution Center Operations

\*STEM affiliated pathway



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- Merchandising
- Professional Sales/Sales Management

**CTSOs – DECA, FBIA, PBL**

**Business, Marketing & Public Administration**

**Hospitality, Human Services & Education (+)**

**Hospitality & Tourism**

- Lodging

**Health Science, Criminal Justice & Public Safety**

- Biotechnology Research & Development\*
- Diagnostic Services
- Therapeutic Services

**Law, Public Safety\*, Corrections & Security**

- Correction Services
- Management Services

**World Of Work (WOW)**

**CTSOs – TSA, SkillsUSA**

October 2016- [www.coloradostateplan.com](http://www.coloradostateplan.com) + [www.cccs.edu](http://www.cccs.edu)

**Agriculture, Food & Natural Resources**

- Animal Science\*

**COLLEGE OF AGRICULTURAL SCIENCES**

**COLLEGE OF ENGINEERING AND APPLIED SCIENCE**

**Culture, Natural Resources & Energy**

- Electromechanical Generation & Maintenance\*
- Electrical Energy Transmission\*
- Energy Efficiency & Conservation Technology\*
- Fossil Energy Generation & Distribution\*
- Renewable Energy\*

**CTSO – FFA**

**Postsecondary & Workforce Readiness (PWR)**

**Entrepreneurial:** Critical Thinking & Problem Solving, Creativity & Innovation, Inquiry & Problem Solving, Informed Risk Taking

**SCHOOL OF LIBERAL ARTS**

**Academic:** Application of knowledge & skills, Evaluation, Discernment

**CTE Pathway for Special Populations Include:**

- Alternative Cooperative Education (ACE)
- CTSO – (SC)<sup>2</sup>

**Health Science, Criminal Justice & Public Safety**

**COLLEGE OF HEALTH MEDICAL CAMPUSES**

**SCHOOL OF CRIMINOLOGY / ARTS/SCIENCES**

**CTSO – TSA, SkillsUSA**

**STEM (Science, Technology, Engineering & Mathematics)**

*See also STEM affiliated pathways*

- Research, Exploration & Innovation
- Design, Development & Production
- Information Technology
- Video Technology
- Journalism & Broadcasting
- Performing Arts
- Printing/Publishing
- Visual & Design Arts<sup>A</sup>

**SCHOOL OF COMMUNICATION AND INFORMATION**

**SCHOOL OF COMPUTER SCIENCE**

**Information Technology**

**Program of Information Technology**

- Communications\* Study
- Engineering\* Study

**CTSOs – TSA, SkillsUSA, FFCCLA**

**Skilled Trades & Technical Sciences**

**SCHOOL OF ARCHITECTURE**

**Transportation, Distribution & Logistics**

- Mobile Equipment Maintenance
- Design & Pre-Construction
- Maintenance & Operations
- Construction Safety & Environmental Management

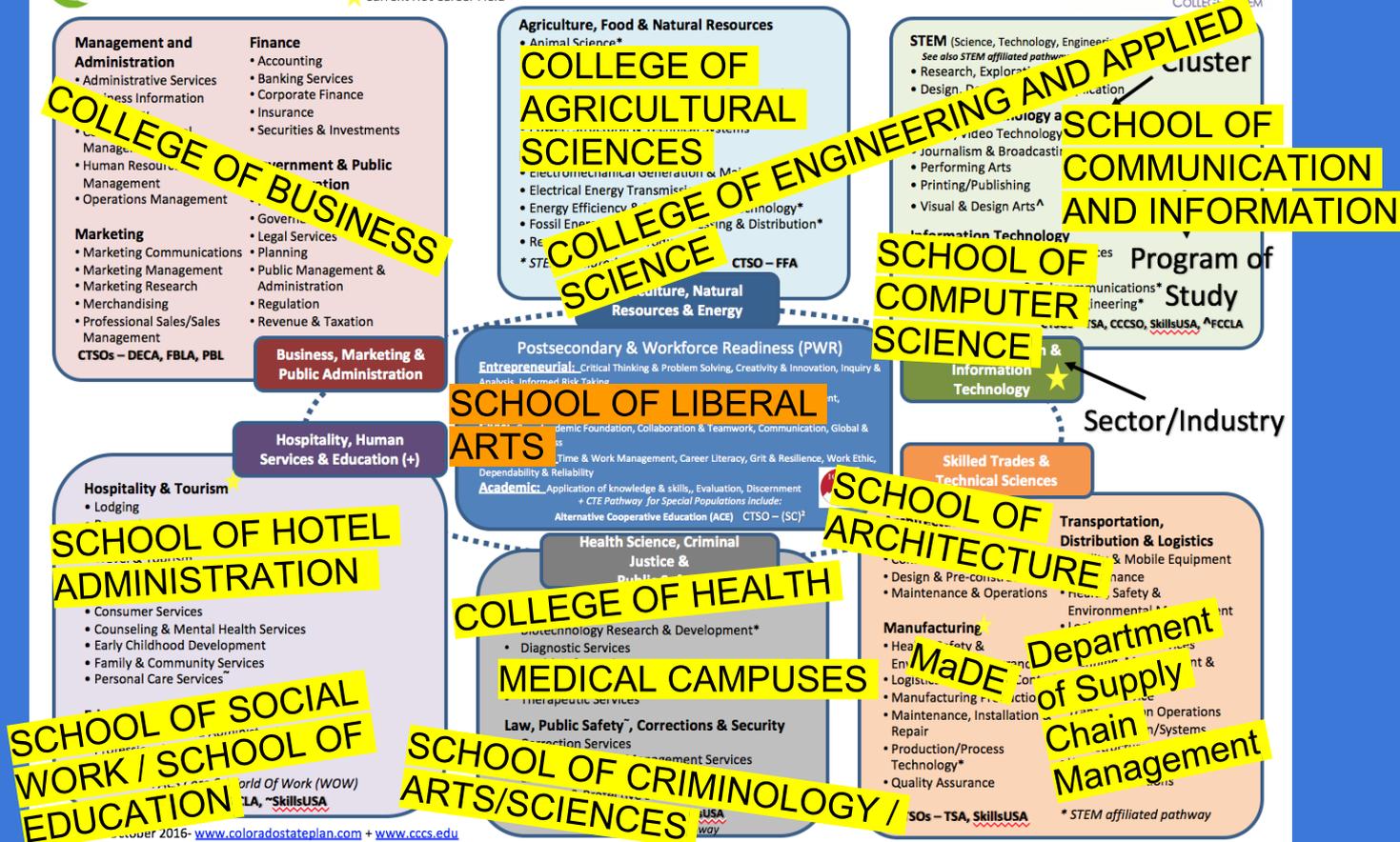
**Manufacturing**

- Health & Safety
- Environmental Management
- Logistics
- Manufacturing Production
- Maintenance, Installation, Repair
- Production/Process Technology\*
- Quality Assurance

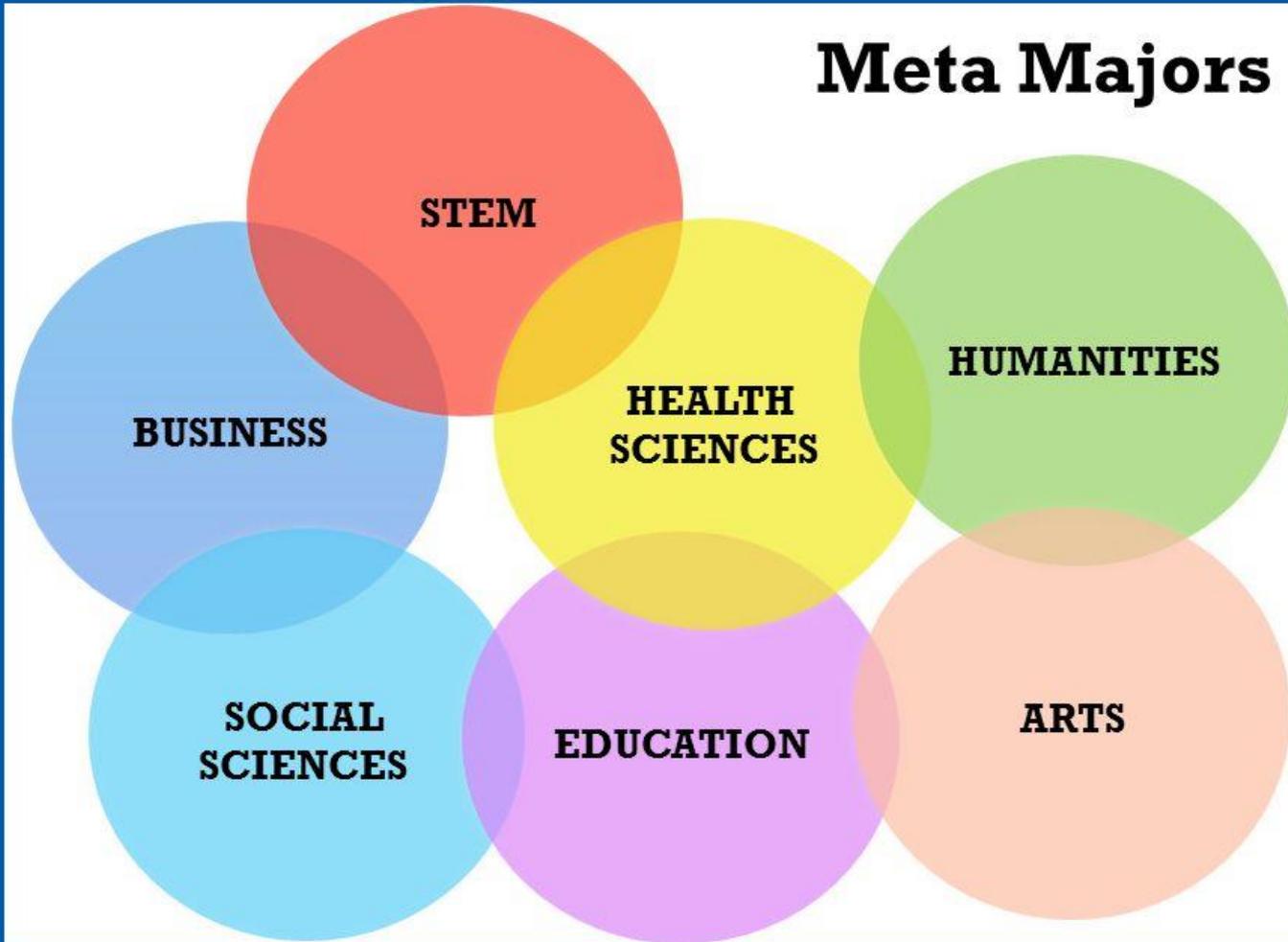
**Department of Supply Chain Management**

**CTSOs – TSA, SkillsUSA**

\* STEM affiliated pathway

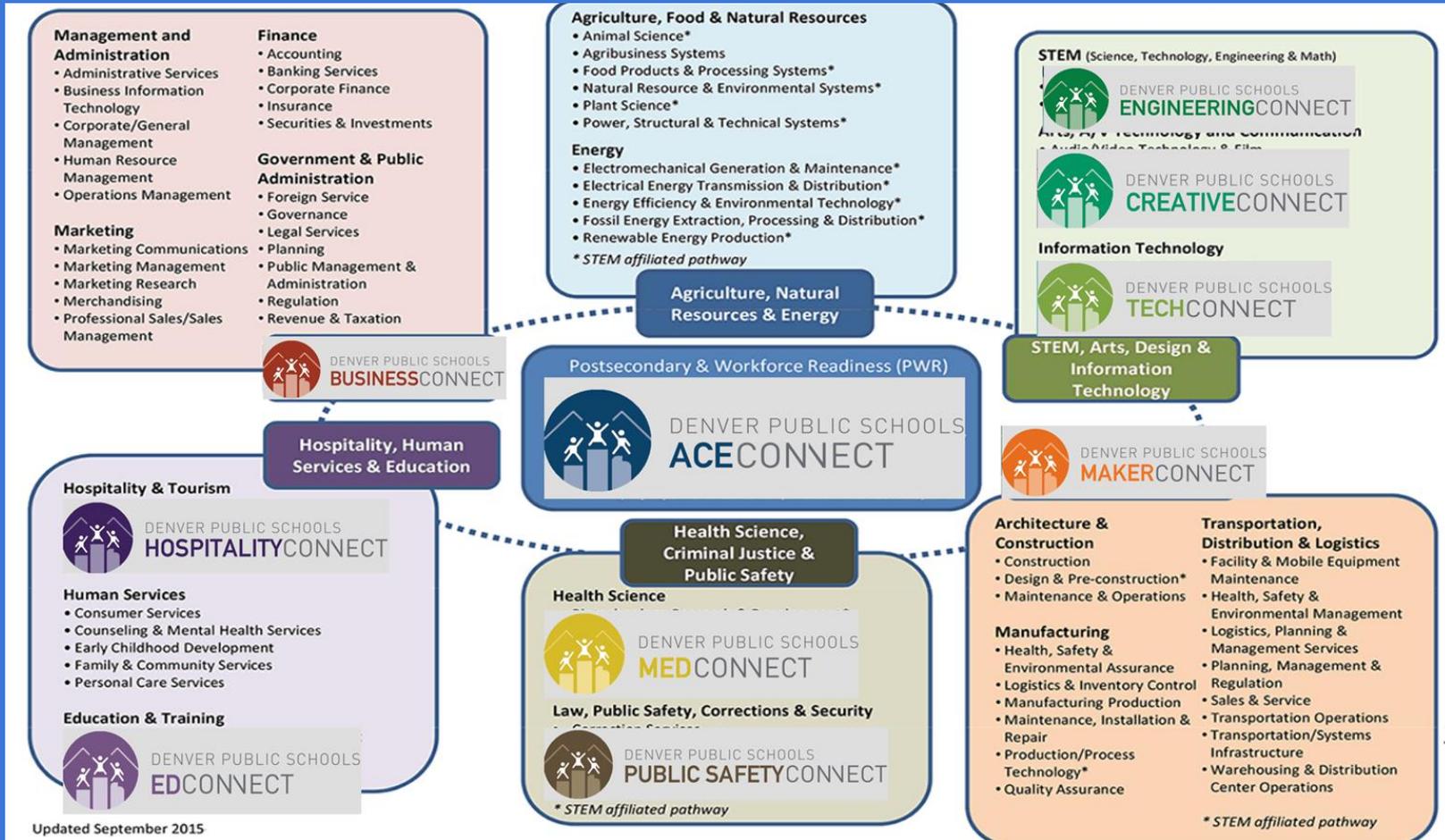


# Meta Majors





# The CareerConnect Cluster Model



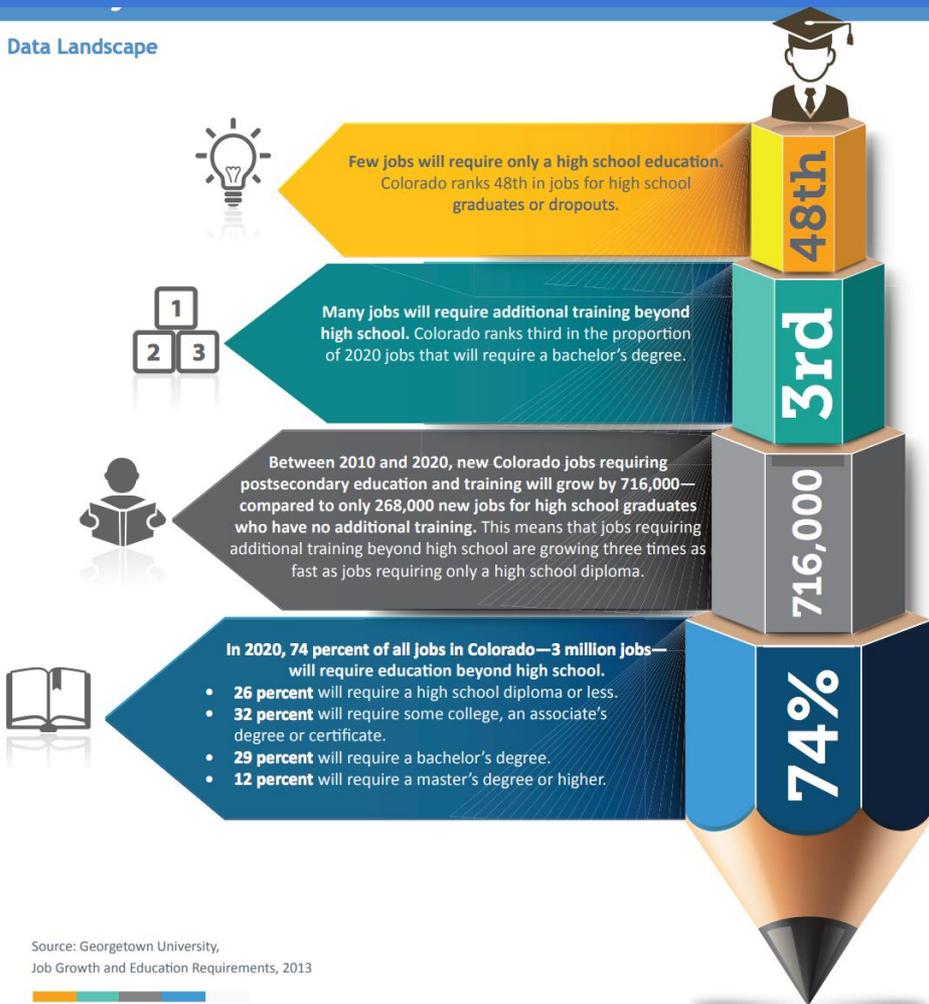


**Management and Administration, Marketing, Finance**

Schools: Bruce Randolph, Career Education Center EC, Denver Center for 21<sup>st</sup> Learning, DSISD, East, George Washington, High Tech EC, John F. Kennedy, South, Thomas Jefferson

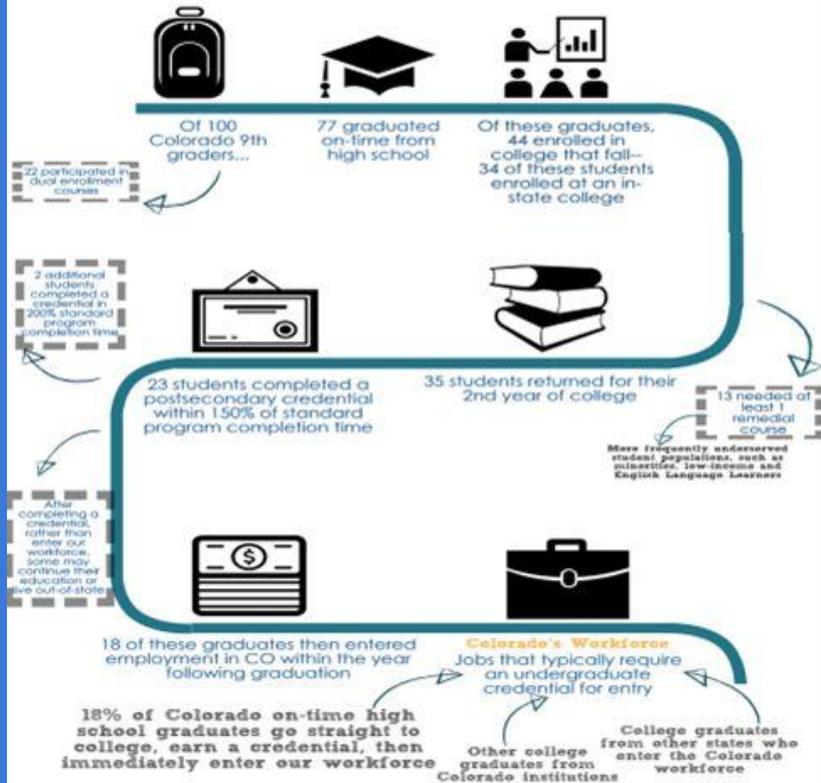
Career and Technical Student Organization: <b>IB/A, OROA, Other</b>					Post – Secondary Options in BusinessConnect: Click here for example career possibilities
	TIER 1	TIER 2	TIER 3	TIER 4	
HSOB	Leadership   Wealth Management	Principles of Business   Business Economics (A)	Principles of Marketing   Principles of Finance	Principles of Management   Business Strategies (C)	<p>Certificates, Associate of Applied Science Degrees, Associate of Arts Degrees, Associate of Science Degrees, Bachelor of Applied Science Degrees</p> <p>Associate Degree with Designation   Transfer to Bachelor's Degree</p> <p>BA: Adams State University</p> <p>BA: Colorado Mesa University</p> <p>BA: Colorado Mountain College</p> <p>BA: Colorado State University – Ft. Collins</p> <p>BA: Colorado State University - Pueblo</p> <p>BA: Fort Lewis College</p> <p>BA: Metropolitan State University of Denver</p> <p>BA: University of Colorado - Boulder</p> <p>BA: University of Colorado – Colorado Springs</p> <p>BA: University of Colorado - Denver</p> <p>BA: University of Northern Colorado</p> <p>BA: Western State Colorado University</p>
	BUSINESS MANAGEMENT & ADMINISTRATION	Introduction to Business	Business Management	Future Choices	
Word Processing I   Word Processing II   CE BTE 100 – 103 (C)		School Store	Entrepreneurship I	Entrepreneurship II	
Technology Applications   CE CIS 117		Computer Business Applications   CE CIS 118 (C)	Business Law	Technological Research	
FINANCE			Accounting I (C)	Accounting II (C)	
			Math Financial Algebra		
MARKETING		Marketing I	Marketing II	International Marketing	
		Web Page Design I   Web Page Design II	Social Media Marketing	Algebraic Principles of Marketing	
CE Courses in all pathways via Community College Partner based on program of study   CareerResidency Sequence					
WBL	WBL: CareerX Industry Exploration Opportunities available for all Tiers 1-4	WBL: CareerCoach Mentoring Program opportunities in specific Tier 2 courses	WBL: Students in Tier 3 & 4 courses are eligible for CareerLaunch Internship Program		

# Begins with an Economic Story



# The Colorado

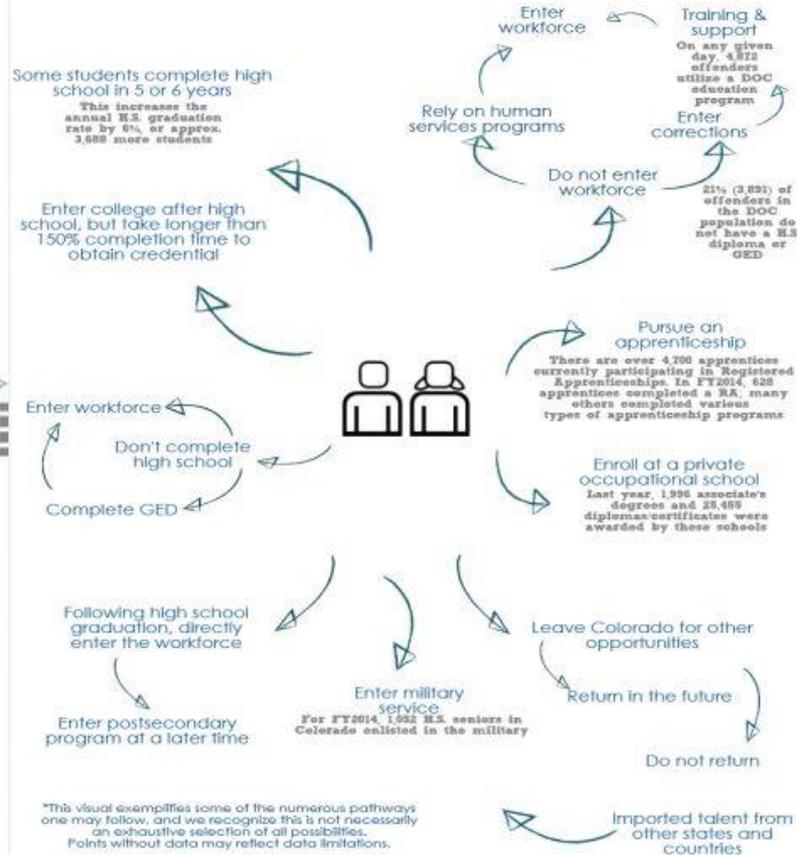
Our conventional concept of a talent pipeline is the progression of our high school graduates who enroll directly in college, complete a credential, then enter our workforce, as depicted below...



# Talent Pipeline



...but it is also important to understand the numerous points of entry into education/training opportunities and/or our state's workforce.



# Quality Framework

## STRATEGY & OPERATIONS

- Leadership support
- Course progression
- Industry alignment
- Middle-school alignment
- Intentional hiring and retention
- Strategic program action-planning
- Facilities/supplies

## EQUITABLE ACCESS & ADVISING

- Awareness and collaboration
- Culture of advising
- Parent engagement
- Equity and access for all students (ELL, SPED, GT, etc.)
- Course selection
- Student retention
- Higher education advisement

## SCHOOL-BASED LEARNING

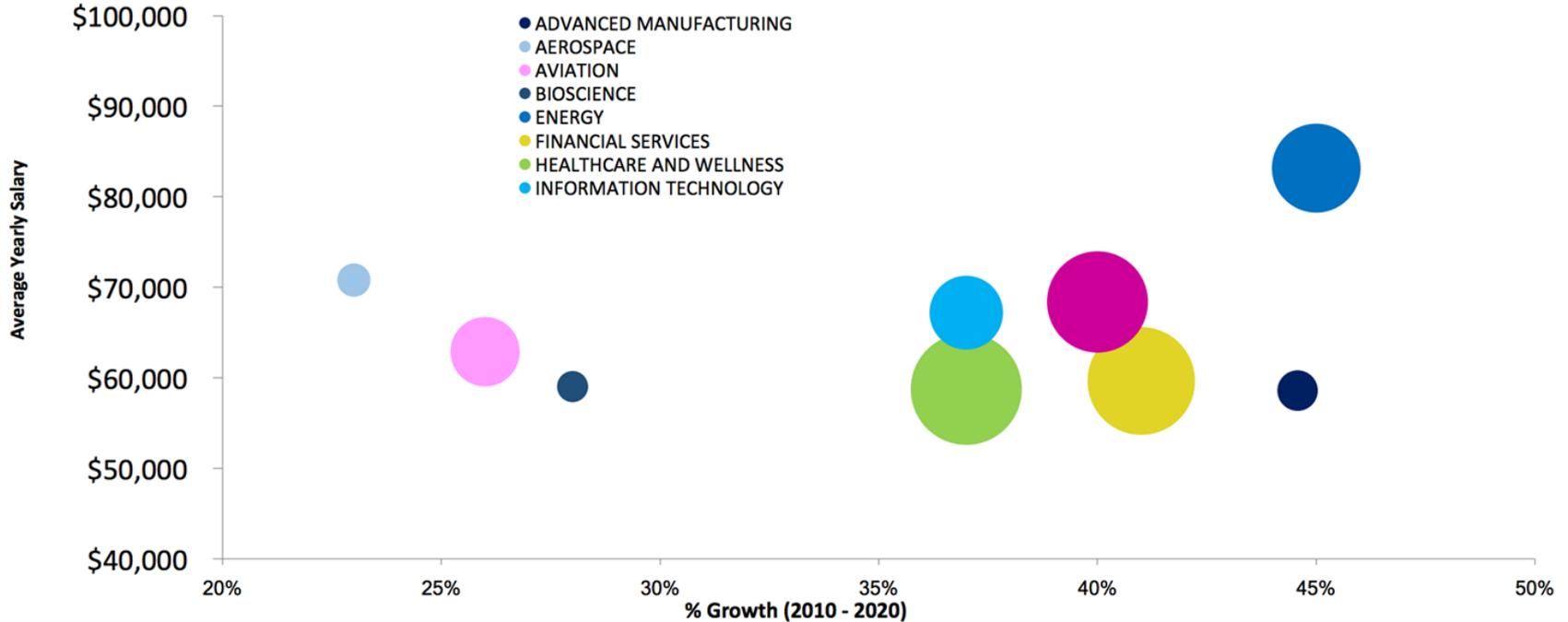
- Culturally-relevant curriculum
- Project-based learning
- Student voice and choice
- Student ownership
- Academic integration
- Soft skills integration
- Competencies and progress-monitoring

## WORK-BASED LEARNING

- Partner engagement
- Work-based learning participation
- Coursework integration
- Soft skills integration
- Work-based learning culture in schools
- Work-based learning planning and execution



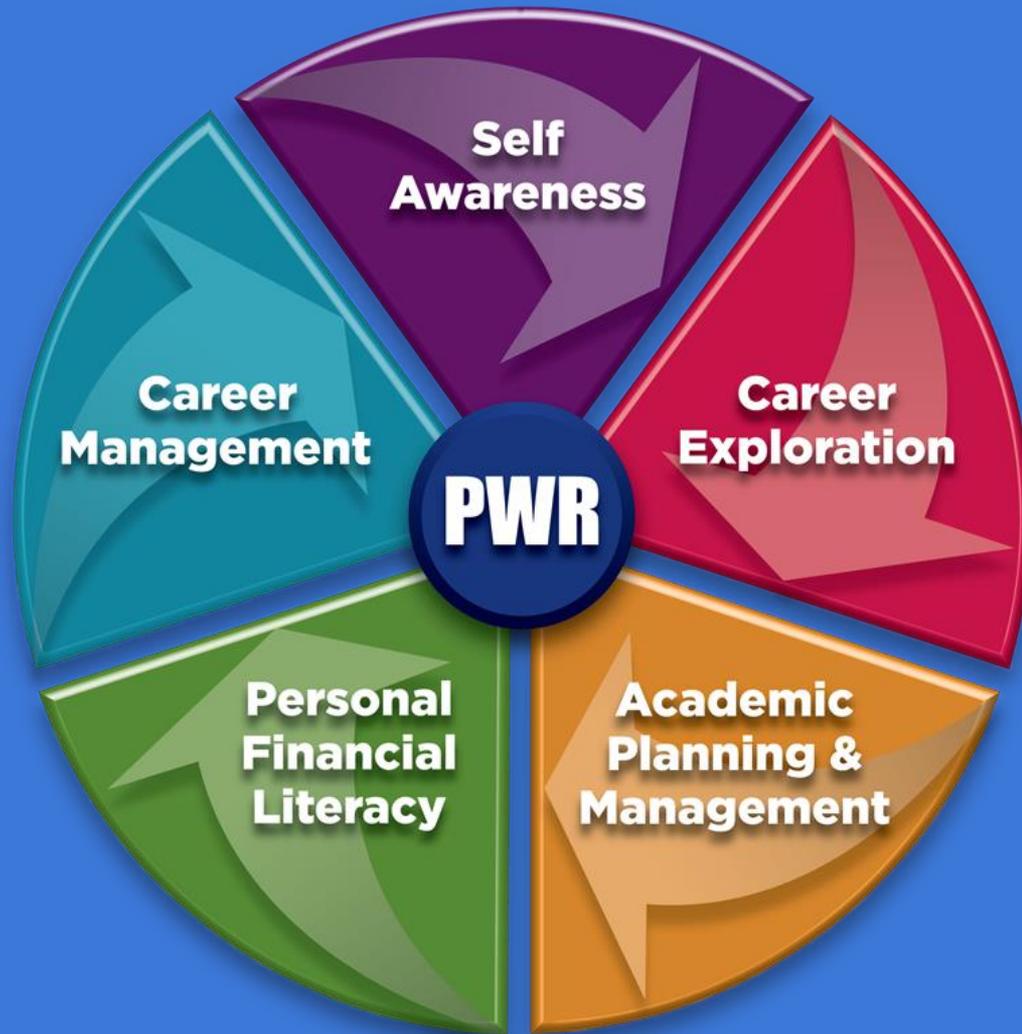
# Alignment with Denver's Growth



DENVER  
PUBLIC  
SCHOOLS

CareerConnect  
Learning Made Real

How do we ensure students are making  
**INFORMED** decisions about their  
futures?





ICAP

INDIVIDUAL CAREER ACADEMIC PLAN

# Online Resources

<http://www.careerwisecolorado.org/educators/>

<https://www.colorado.gov/pacific/cwdc/bel-commission>

<https://secure.collegeincolorado.org/careerpaths#/home>

<https://www.cotrainingproviders.org/#/>

[https://www.collegeincolorado.org/Career\\_Planning/default.aspx](https://www.collegeincolorado.org/Career_Planning/default.aspx)

<http://slideplayer.com/slide/9836887/>

<http://launchmycareercolorado.org/>