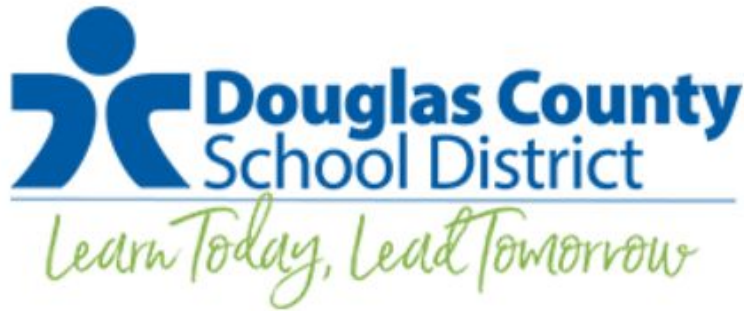**DCSD Board of Education:**
Student Pathways and Programming Update

October 2023

DCSD Mission Statement

The mission of the Douglas County School District (DCSD) is to provide an educational foundation that allows each student to reach his or her individual potential.

Introductions

School Leadership

Danny Winsor   **Assistant Superintendent**

Dan McMinimee   **EDOS:Pathways, Choice and Alternative Education**

Postsecondary Readiness

Aimee Barker   **Postsecondary Readiness Coordinator**

Matt Chambliss   **Concurrent Enrollment Specialist**

Kathy Frommer   **Work-Based Learning Specialist**

Krista Tongren   **Career and Technical Education Specialist**
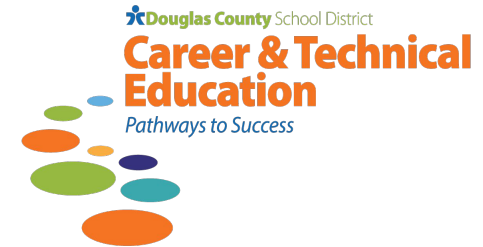
DCSD Legacy Campus

Dr. Rex Corr   **Director**

Katie Winsor   **Assistant Director**

Learn Today, Lead Tomorrow

BoE Ends: Academic Excellence

A. All students have equitable access to a Douglas County public school that promotes growth in their cognitive, physical, social and emotional needs and builds on their strengths.
B. Academic expectations are clearly articulated and supported with an appropriate curriculum that includes content, scope and sequence.
C. Every student has an equitable opportunity to acquire the knowledge and skills that will ensure performance at his/her highest individual potential.
D. A diverse set of educational options are provided which enables students to pursue different post secondary options (e.g. college, career and technology education, independent living, military or direct entrance into the workforce).
E. Students graduate with acquired content and cultural knowledge, workforce readiness, interpersonal skills, civic responsibility, global awareness, independent living and an understanding of the essentials for health and wellness.

Douglas County School District
Learn today. Lead tomorrow.

Why Does it Matter?

Priority Learning Outcomes
1. Promote student engagement and well-being.
2. Prepare ALL students for Post-graduation success.
3. Improve academic achievement and growth of ALL students.
4. ALL students have equitable access to a high quality education.

Graduation rate for CTE concentrators for 22/23 SY =98%
(21/22 SY=97.8%)

Participation in Career Technical Education(CTE) and Concurrent Enrollment(CE) in DCSD

Career and Technical Education in 2023-24 SY:

- **School Programs**   70   **(52 in 2022-23)**
- **Seats Taken**   14,629   **(10,329 23-24 sem 1, 11,932 in 2021-22) (5648 in 2017-18)**
- **Certifications**   717   **(526 in 2021-22)**
- **WBL Opportunities**   **357 Business Partners (25% increase over 2022-23)**

Concurrent Enrollment in 2023-24 SY:

- **Total Classes**   179   **(150 in 2022-23)**
- **Seats Taken**   10,381   **(8,092 in 2022-23)**
- **Tuition Dollars Saved**   *6.0 M   **(4.7 M in 2022-23)**

ASCENT in 2023-24 SY   57   **(33 in 2022-23)**

*Projected tuition saved 23/24 based on IC roster pulls and ASCENT/TREP documentation.

Learn Today, Lead Tomorrow

What might the increases be attributed to?

- Coordinated HS Schedule
- Opening Legacy Campus
- Access to transportation for Legacy
- Better Communication/Outreach
  - about various programming options (CTE/CE Guidebook)
  - between buildings to serve students and schedules (CTE Tours)
  - with parents/staff about opportunities available to their students (Expo, Tours)
- Renewed/increased sense of connections between college/career.
  Not "college OR career", it's "college **AND** career"
- "Value add" and "win/win" to system/community
  - Tuition Savings/Stackable Programming
  - "School District" not a "District of Schools"
  - Additional Options for Students (Most important)

Access to Opportunities for ALL Students

	Enrollment 9-12 (SY 22-23)	**In- District CTE Participation Semester 1 only (Last year included both S1 & S2)**		1+ CTE*	Dist. CTE %
	16,948 (17,244)			5205/S1 (7921 S1&S2)	30.7% (45.9% S1&S2)
Fed Race CODE	Sub Population	Student Count	District %	CTE Count (S1)	CTE % (S1)
1	Hispanic	2617 (2568)	15.4% (14.9%)	843 (1200)	16.2% (15.1%)
2	American Indian	68 (75)	0.4% (0.4%)	25 (40)	.5% (0.5%)
3	Asian	917 (913)	5.4% (5.3%)	244 (380)	4.7% (4.8%)
4	Black	266 (258)	1.5% (1.5%)	90 (121)	1.7% (1.5%)
5	Pacific Islander	27 (28)	.2% (0.2%)	13 (16)	0.2% (0.2%)
6	White	12,089 (12,531)	71.3% (72.7%)	3680 (5754)	70.7% (72.6%)
7	Multiracial	964 (871)	5.6% (5.1%)	310 (409)	6.0% (5.2%)

Learn Today, Lead Tomorrow

Access to Opportunities for ALL Students

Enrollment 9-12 (SY 22-23)		Students in 1+ CTE*		District CTE % Participation
16,948 (17,244)		5205 / S1 (7921 S1 & S2)		30.7% / S1 (45.9% S1 & S2)
Sub Population	District Student Count	District %	School CTE Count	CTE %
Free/ Reduced Lunch	2374 (953)	14% (5.5%)	707	13.5%
Gifted	2525 (2480)	14.9% (14.4%)	749	14.4%
ML**	431	3.1%	141	2.7%
FELL	624	2.9%	191	3.7%
SPED (IEP)	1844 (1758)	10.8% (10.2%)	607	11.7%
504	910 (1200)	5.6% (7.0%)	249	4.8%

Programs and Pathways Available

2023 - 2024 Guide to Career and Technical Education, Concurrent Enrollment, and Other Programs
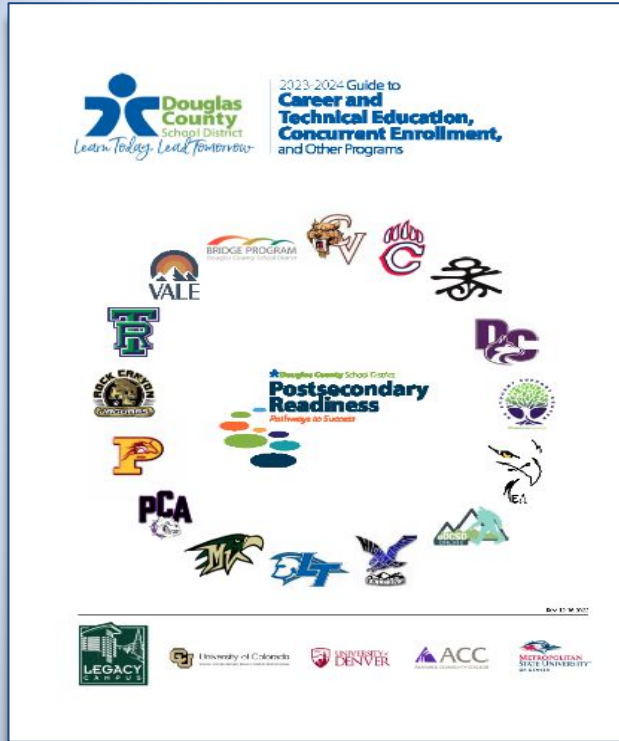
CTE Pathways across the District: (In Addition to Legacy)
Agriculture – Animal Science and Natural Resources
Auto Tech
Business and Marketing
Construction
Criminal Justice
Engineering
FACS – Education, Design, and Hospitality/Foods
Health Sciences – Biotech, Sports Medicine, Medical Forensics
Info Tech – Coding, Networking, Cyber Security
Media Arts: Multimedia, Photo, Filmmaking
Manufacturing – Welding
Public Safety – Fire Science /EMT
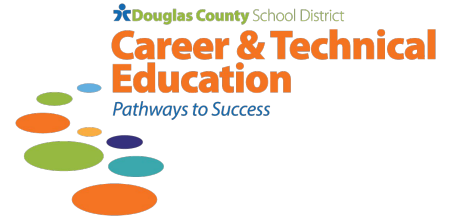
Pathways in action:

**Hands on,
real world learning**

Anatomy of a CTE Program:

Career and Technical Education is a special designation awarded to programs that meet national requirements by state standards.
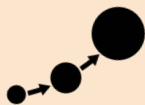
State Approved CTE Program			
Specially Credentialed Teacher with Industry Experience			
Program of study: a clear progression of learning that leads to high skill, high wage, and in demand careers aligned with postsecondary pathways.	**Advisory Committee:** Committee that advises and guides a CTE program. Industry members and special population reps ensure the program is rigorous, responsive, and relevant to industry.	**Career and Tech Student Organization [CTSO]:** Supports leadership development and application of skills in real world scenarios for students. Each CTE pathway has a designated CTSO.	**Work-based Learning:** Experiences that move from Learning about Work to Learning through Work. Students explore careers first-hand and make informed decisions about the future.

Finding the right path for the future:

CTE programs help students design a pathway for the future to meet their goals and aspirations.

PHS Auto + CHS Marketing/DECA
= Auto Design Engineering

Student: Makaye Coquet

Learning today and preparing for the future:

Advanced Cosmetology Students:
Allison Mangels
Eliza Gonzales

Students from our CTE programs:

Legacy Campus Student
Ellis Brown
Future Educator Pathway

DCSD Legacy Campus

Our mission is to cultivate a Career & Technical Education environment where post-secondary and industry partnerships provide relevant learning opportunities for high school students and the Douglas County community in order to ensure a competitive advantage and workforce readiness.

2023-2024 DCSD Legacy Campus Pathways

Advanced Robotics- Credit through Arapahoe Community College

Architecture- Credit through Arapahoe Community College

Aviation-Credit through Metro State University

Building Controls Technology- Credit through Arapahoe Community College

Certified Nurse's Assistant (CNA)- Credit through Arapahoe Community College

Culinary & Hospitality-Credit through Metro State University

Emergency Medical Technician (EMT)- Credit through Arapahoe Community College

Future Educators/Teachers- Credit through University of Colorado Denver

Secure Network Technologies- Credit through Arapahoe Community College

LEGACY C A M P U S

Enrollment by Pathway

Aviation
70
Aviation fundamentals and Flight sim l 10 students engaged in flight training

Future Ed.
36
Students are placed in 19 DCSD elementary schools this fall.

Culinary
35
ProStart 1 first semester / ProStart 2 second semester / ServSafe food handler certification

BCT
21
Building Controls Technology. Students are building industry sponsored Electrical Trainers

SNT
15
Preparing for CCST-Networking, CCNA, and AWS Cloud Practitioner Certifications

EMS/EMT
35
Clinicals in the spring and CO EMT Exam after graduation

Architecture
41
Students are drawing to scale and building models to scale as well as modeling in 3D with Sketchup

Advanced Robotics
16
Students are learning industry standard automation technology, as well as preparing for competitions.

CNA
72
4 cohorts of 18 (36 per semester) Clinicals start in November

LEGACY CAMPUS

BRIDGE PROGRAM AT LEGACY CAMPUS

CELEBRATIONS

- students/interns are learning employable skills in a "real world" setting
- students/interns continue to meet and exceed our expectations
- students are experiencing new challenges such as on the job problem-solving, customer service skills, food and drink preparation, work routines/procedures, etc.
- students are learning, having fun, and growing into employable, happy/healthy young adults with a bright future
- AMAZING STAFF: Mrs. Audra, Chef, Jose, officer Mark, entire security staff, the events staff, office and support staff and Julie and Emily, and Mr. Catto!

LEGACY C A M P U S

ADVANCED ROBOTICS/AUTOMATION

FALL SEMESTER   SPRING SEMESTER

YEAR 1

*CTE Robotics &
Automated Systems

*ACC-ELT 1206
Fundamental DC/AC

ACC-ELT 2455
Fluid Power

Students can register for
one or both of spring classes.

ACC-ELT 2367
Intro to Industrial Robotics

Students need to take ELT 1206
before ELT 2367.

There is no prereq for ELT 2455.

*These classes are double-blocked so
students need to register for both classes
to be taken concurrently (unless taking
CTE Robotics & Automated Systems at
their home high school).

YEAR 2

Tentatively ACC-ELT 2254
Industrial Wiring
Courses TBD for 2024-25 SY

Tentatively ACC-ELT 2252
Motors & Controls
Courses TBD for 2024-25 SY

Typically, year 1 = 11th grade, year 2 = 12th grade, year 3 = ACSENT enrollment

Industry Certifications: SACA Electrical, SACA Robotics, Snap-On Multimeter, Snap-On Hand Tool Recognition

LEGACY
C A M P U S

BUILDING CONTROLS TECHNOLOGY

FALL SEMESTER

SPRING SEMESTER

YEAR 1

ACC - ELT 1206
Fundamental DC/AC
(in-person @ Legacy)

→

ACC - ELT 2254
Industrial Wiring

AEC 2520 Building
Environmental Systems I -
Remote Real Time with ACC
Faculty

→

ACC - ELT 2252
Motors & Controls

AEC 2520 may be offered
in the evening - TBD.

These spring classes may be
offered in the evenings - TBD.

Future courses include:

AEC 1520 Construction Materials and Systems

HVA 2059 Commercial HVAC System

ENG 1031 Technical Writing

MAT 1150 Technical Mathematics
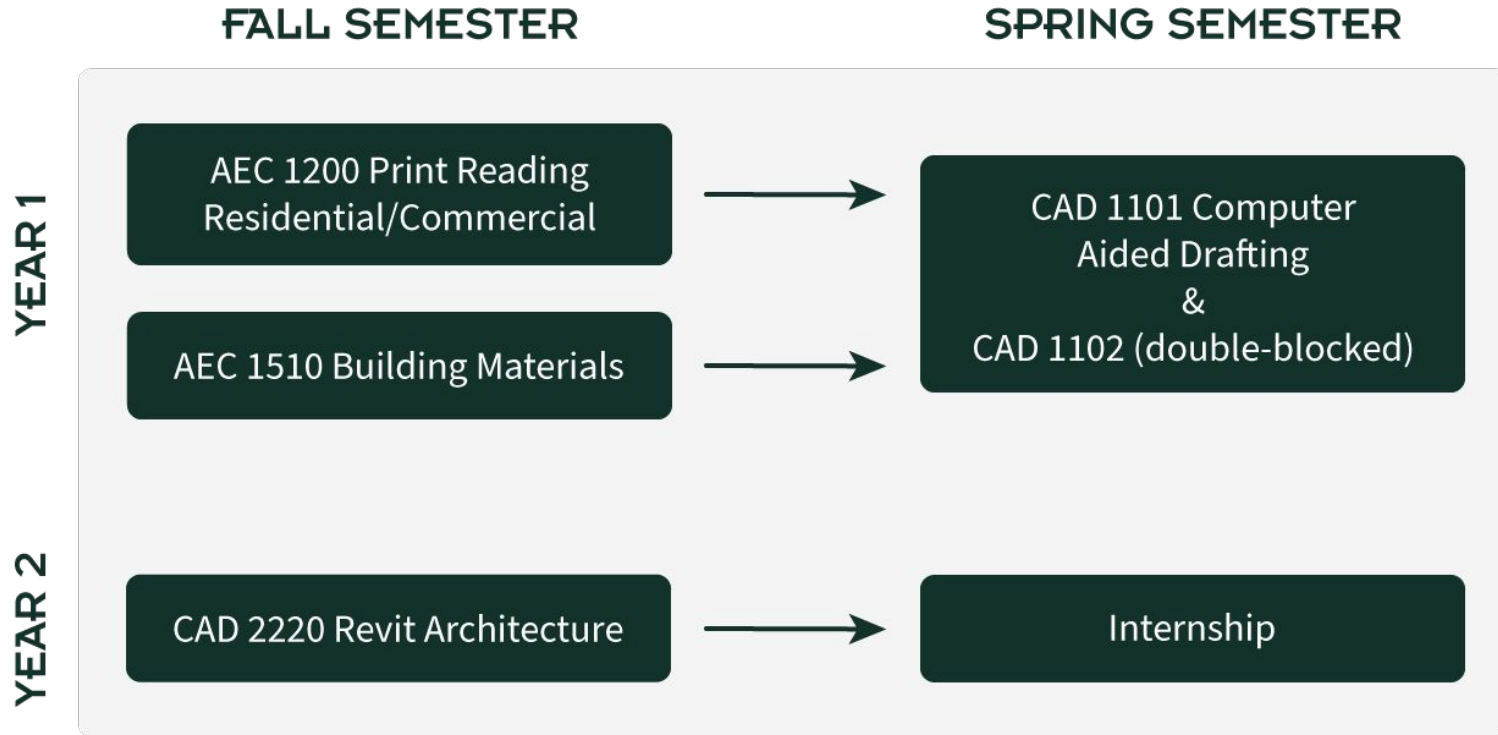
ACC 1039 Budget Management

Typically, year 1 = 11th grade, year 2 = 12th grade, year 3 = ACSENT enrollment

Industry Certifications: Greenlee Multimeter, Greenlee Hand Conduit Bending, SACA Electrical

LEGACY
CAMPUS

Partners/Sponsors/Advisory Board Members

ARCHITECTURE

FALL SEMESTER   **SPRING SEMESTER**

YEAR 1

AEC 1200 Print Reading Residential/Commercial ➝ CAD 1101 Computer Aided Drafting & CAD 1102 (double-blocked)

AEC 1510 Building Materials ➝

YEAR 2

CAD 2220 Revit Architecture ➝ Internship

Industry Certifications: AutoDesk Certified Professional in AutoCAD

LEGACY
C A M P U S

Partners/Sponsors/Advisory Board Members
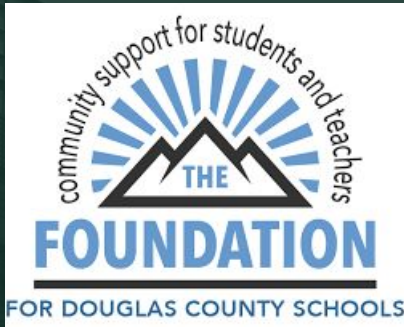
AVIATION - PILOT

FALL SEMESTER

SPRING SEMESTER

YEAR 1

MSU AES 1100 Aviation Fundamentals (double-blocked class)

→

MSU AES 1710 Instrument Flight Simulation I
&
MSU AES 1400 Aviation Weather

Students need to register for both classes to be taken concurrently.

Students should register for both semesters if pursuing the **MSU Private Pilot Concentration**. However, students can also take Fundamentals alone, or work on their flight hours independently before completing the sequence.

YEAR 2

Tentatively MSU - AES 2120 Instrument Fund I
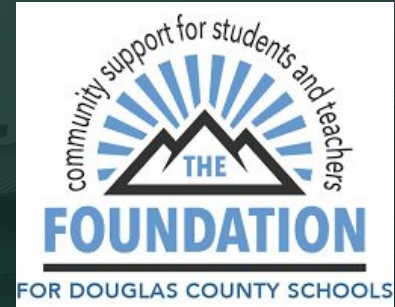
Courses TBD for 2024-25 SY

→

Tentatively MSU - AES 2710 InstFlight Sim II

Courses TBD for 2024-25 SY

Students need to complete their first solo flight (at a local flight training center) to be eligible for AES 2120 & 2710.

Industry Certifications: Preparation to sit for Private Pilot License Exam

LEGACY CAMPUS

Partners/Sponsors/Advisory Board Members

Advisory Board Members work for some of our industry's leading companies, such as:

LEGACY CAMPUS

CERTIFIED NURSE AIDE (CNA)

FALL/SPRING SEMESTER

ACC - NUA 1001
Nurse Aide Health
Care Skills
&
ACC - NUA 1070
Nurse Aide Clinical
Experience
&
ACC - NUA 1071
Advanced Nurse
Aide Clinical

Industry Certifications: Preparation for Certified Nurse Aide Certification Exam (NNAAP)

LEGACY
C A M P U S

Partners/Sponsors/Advisory Board Members

LEGACY CAMPUS

ADVANCED CULINARY & HOSPITALITY MANAGEMENT

FALL SEMESTER   **SPRING SEMESTER**

YEAR 1

ProStart I MSU - RST 1550
Food Fundamentals

→

ProStart II MSU - RST 2550
Food Fundamentals

Students should register for both semesters to participate in ProStart & FCCLA.

**YEAR 2**

ProStart Youth
Apprenticeship

→

DU - Intro to Hospitality
Management

Students must take ProStart I prior to ProStart II, whether at Legacy Campus or at their home high school.
DCSD students must take ProStart I at their home high school (if it is offered there).

*Industry Certifications: National Prostart Certification, ServSafe Food Handler, Servsafe Manager,
ServSafe Food Allergens*

LEGACY
C A M P U S

Partners/Sponsors/Advisory Board Members
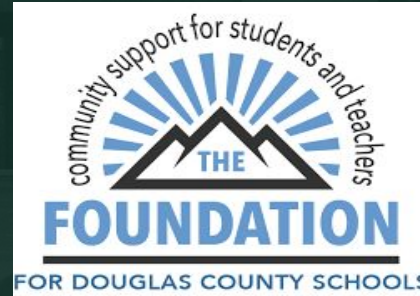
EMERGENCY MEDICAL TECHNICIAN (EMT/EMS)

FALL SEMESTER

SPRING SEMESTER

ACC - EMS 1021 EMT
Fundamentals
&
ACC - EMS 1023 EMT
Trauma Emergencies

→

ACC - EMS 1022
Medical Emergencies
&
ACC - EMS 1024 EMT
Special Considerations

Students will take two courses per semester on a double-blocked period all year to complete the EMT sequence.
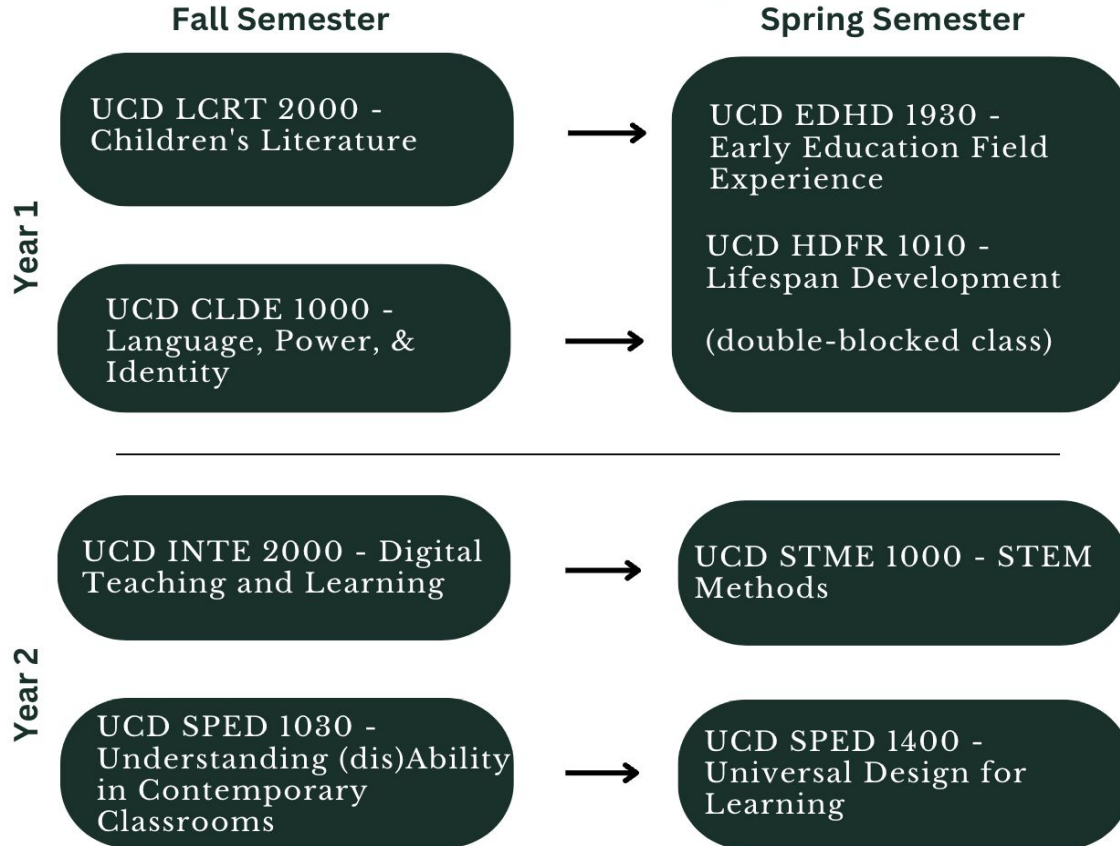
ACC - EMS 1070 EMT CLINICAL

Students will schedule clinicals with ACC faculty
at varying times after turning 18 during the course of the year.

Industry Certifications: CPR/BLS Certification, Preparation for Emergency Medical Responder Certification

LEGACY
C A M P U S

Partners/Sponsors/Advisory Board Members

LEGACY
CAMPUS

FUTURE EDUCATOR

Fall Semester   **Spring Semester**

Year 1

UCD LCRT 2000 - Children's Literature → UCD EDHD 1930 - Early Education Field Experience

UCD HDFR 1010 - Lifespan Development

UCD CLDE 1000 - Language, Power, & Identity → (double-blocked class)

Year 2

UCD INTE 2000 - Digital Teaching and Learning → UCD STME 1000 - STEM Methods

UCD SPED 1030 - Understanding (dis)Ability in Contemporary Classrooms → UCD SPED 1400 - Universal Design for Learning

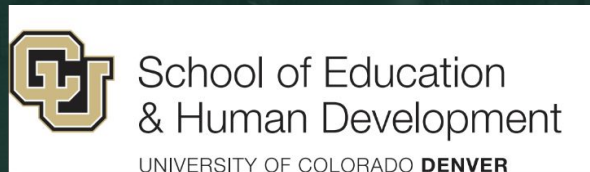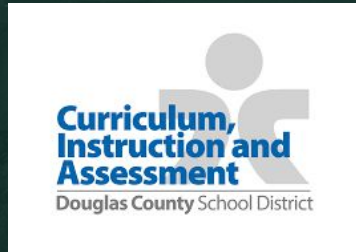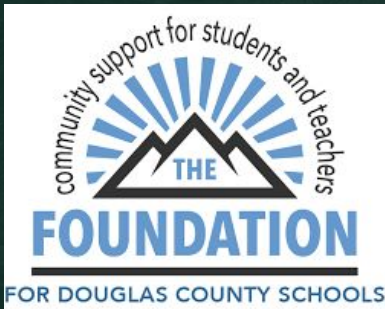***Additional Field Placement Internship opportunites in Year 2 with successful completion of the Year 1 Field Experience.**

LEGACY
CAMPUS

Partners/Sponsors/Advisory Board Members

SECURE NETWORK TECHNOLOGIES

FALL SEMESTER   **SPRING SEMESTER**

ACC CNG 2060 — CISCO
Network Associate I
&
ACC CNG 2061 — CISCO
Network Associate II
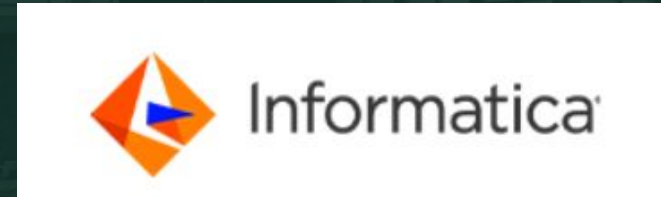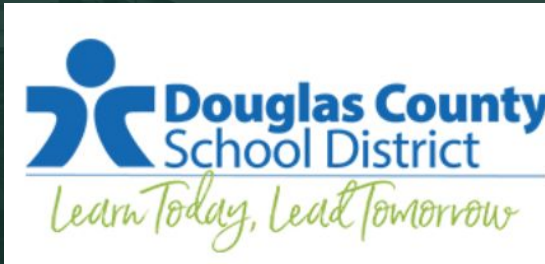
→

ACC CNG 2062 — CISCO
Network Associate III
&
ACC CNG 1042 Introduction
to Cloud Computing

Industry Certifications: Amazon Web Solutions Cloud Practitioner, CISCO Certified Network Associate

LEGACY
C A M P U S

Partners/Sponsors/Advisory Board Members

LEGACY CAMPUS

Highlights

- Phase I Construction is *almost* finished!
- 36 Future Educator Students in field placement i[n] elementary schools
- Culinary Students working the Denver Food & Wine Festival
- 2 students' college tuitions scholarshipped through a private donor
- Cafe is open and run through our DCSD Bridge Program
- Hosting the A4LE Conference in December
- Several district, state and national events hosted by our events team (nobel prize speaker, CHSAA, foundation gala)

LEGACY CAMPUS
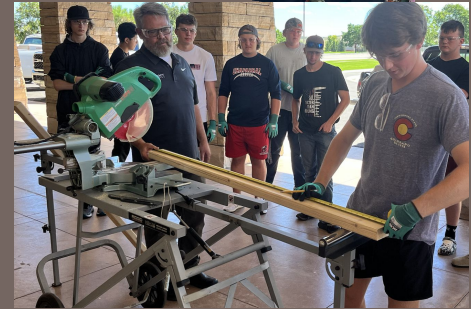
Highlights

- 2 Grants from the Foundation for DC Schools - aviation & robotics
- 3 SNT students doing tech support WBL at Legacy!
- 36 CNA students in clinicals and will be taking the Colorado CNA Exam in December
- Multiple Donors Choose Grants (4)
  - Future Educator Children's Literature library
  - Tools/Electrical Trainers for Building Controls Technology Pathway
- Architecture students have completed a total bedroom remodel project in SketchUp
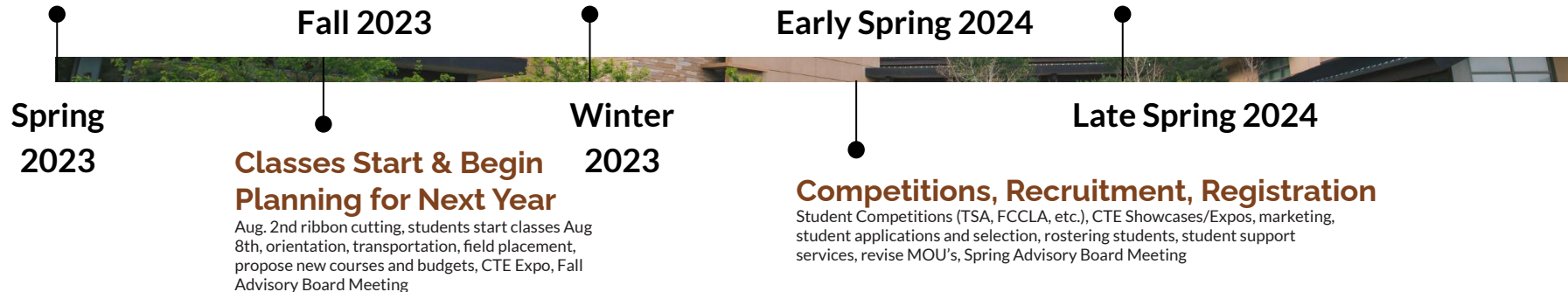
Timeline

Recruitment & Registration
Visit all DCSD high schools, CTE Nights/Expos, host open houses, marketing, website development, finalize courses & course guide, student applications and selection, rostering students

Pathway evaluation & updates
Solicit feedback from stakeholders (advisory members, high schools, students, parents), identify expansion opportunities, start new courses in January (possibly planning our Phase II build)

Awards Night, Orientation & Internship Placement
Celebrate industry certificates and students moving into the workforce and collegiate pathways, orientation nights for new students, seek placements for senior interns, prep for youth summer camps

Fall 2023

Early Spring 2024

Spring 2023

Winter 2023

Late Spring 2024

Classes Start & Begin Planning for Next Year
Aug. 2nd ribbon cutting, students start classes Aug 8th, orientation, transportation, field placement, propose new courses and budgets, CTE Expo, Fall Advisory Board Meeting

Competitions, Recruitment, Registration
Student Competitions (TSA, FCCLA, etc.), CTE Showcases/Expos, marketing, student applications and selection, rostering students, student support services, revise MOU's, Spring Advisory Board Meeting

LEGACY CAMPUS

Future DCSD Plans

- **Auto Tech Program NW side of District**
- **Behavioral Health**
- **Air Force JROTC program at Chaparral HS**
- **Aerospace Pathway**
- **Enhance CTE Offerings to be Accessible for All Students**
- **Creating Greater Access/Visibility through Infinite Campus**
- **Continue to address Accessibility barriers**
- **ASCENT Expansion**
- **Possible Expansion of Programs at Legacy**
  - PTECH
  - Welding, Electrical and HVAC
  - Big build Construction
  - Advanced Manufacturing
  - TREP with Future Educator

More Information/Future Topics

- **Pathway Expo (DAC Forum)**
  - October 26, 2023 from 6:30 - 8:30 pm at Legacy Campus
- **Regional, State and National Competitions**
  - List of dates will be provided, we will have several student recognitions for you
- **Continued Updates**
  - Enrollments across the district in programming
  - Upcoming open house events
  - Programming additions
  - ASCENT Legislation/Impact to DCSD community
- **Tours with officials from county, region and state**