

The 411 on K-12 CTE in the 406

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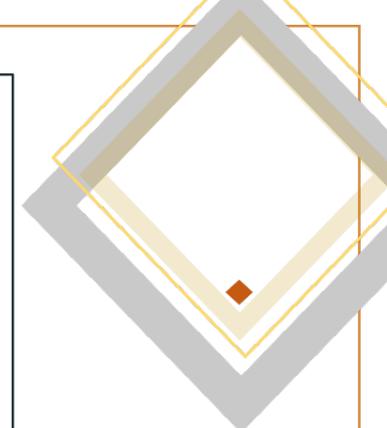
Some terminology:

Concentrator means a student who has completed 2 years (4 semesters) of courses in a particular pathway

Pathway means a set of courses taken in high school that propels a student towards career (and possibly college) objectives; a CTE dual enrollment course, work-based learning experience, or industry-recognized credential can provide a turbo boost down a pathway; there are 15 [Montana Career Pathways](#) (see below)

Career and Technical Education (CTE) provides opportunities for Montana students to prepare for careers and postsecondary education, whether that education looks like a registered apprenticeship, a short-duration program to earn an industry-recognized credential (IRC), or a 2-, 4-, or more-year degree. College and career ready is really about launching into a lifetime of learnin' and earnin'!

To graduate high school, Montana students must have one unit of CTE (typically two semester-long courses) per [ARM 10.55.905](#). Most Montana high schools have at least one licensed CTE teacher in one program area, but to ensure that all high school students have access to a variety of CTE options, courses are offered through the [Montana Digital Academy](#).



OPI approves CTE programs in 5 areas, licenses teachers, supports curriculum and professional development, and distributes state and federal CTE funding to high schools and CTSO's (Career and Technical Student Organizations)

Agriculture Education

Pathways

Ag, Food, and Natural Resources
Ag Mechanics and Construction

Course examples

Agriculture and Society
Animal Production/Science
Agricultural Entrepreneurship
Equipment and Structures

Student organization

Future Farmers of America (FFA)

Business Education

Pathways

Business Management
Finance
Information Technology
Marketing

Course examples

Banking and Finance
Advanced Accounting
Database Applications
Principles of Marketing

Student organizations

Business Professionals of America (BPA)
DECA (marketing)

Family and Consumer Sciences

Pathways

Education
Hospitality
Human Services

Course examples

Early Childhood Education
Child Development
Nutrition and Food Preparation
Human Growth & Development

Student organization

Family, Career & Community Leaders of America (FCCLA)

Industrial Trades and Technology

Pathways

Advanced Manufacturing
Design and Construction
Transportation
Welding and Fabrication
STEM

Course examples

Electromechanical Systems
Plumbing and Heating
Diesel Mechanics
Metalworking

Student organization

SkillsUSA

Health Sciences

Pathways

Health Professions

Course examples

Anatomy and Physiology
Medical Terminology
Principles of Biomed Science
Intro to Health Careers

Student organization

Future Health Professionals (HOSA)

K-12 CTE is supported by two sources of additional funding outside Montana's school funding formula:

1. Federal Perkins funding provides about [\\$3 million annually](#) to Montana school districts based on enrollment and poverty measures. The federal law governing this funding requires annual reporting of [various performance indicators](#) and was just reauthorized as [Perkins V](#). Montana has been working on a new state plan for Perkins V.
2. State CTE funding (aka "Secondary Vo-ed") is providing \$2 million annually for the 2021 biennium (\$0.5 million/year is for [strengthening CTSOs statewide](#); the rest goes to high schools [based largely on enrollment in CTE courses and number of and membership in CTSOs](#). In recent years the annual appropriation for CTE has fluctuated (boosted to \$2.5 million in the 2017 biennium, cut to \$1.49 million in the 2019 biennium). CLA305 9242PCDA.PPT