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# Career Technical Education

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**GOAL High School's CTE Program**





### Career Technical Education

Career and Technical Education (CTE) is an educational program that aligns academic standards with technical knowledge and skills to prepare students for careers in current or emerging occupations and further education. CTE programs use business and industry input to guide curriculum and instruction so students can meet the ever-changing needs and demands of various industry sectors.

In addition to technical training and career foundations, CTE courses also offer a wide range of additional educational benefits, including critical thinking development, technical literacy, public speaking skills, leadership development, and planning/organization skills. Qualifying courses and course instructors also offer college credit, industry certification, and internships for students.



### **Career and Technical Pathway Program at GOAL High**



Our Career and Technical Pathway System acts as an encompassing guide of career specialties/occupations called pathways. The specialties/occupations included in each pathway have common skills and knowledge. Any occupation you can think of will fall under one of the pathways! GOAL's Career Pathway Program linked to Career and Technical Education. CTE courses are not required for all occupations but CTE courses can help everyone get a head start on career preparation. GOAL's Career Pathway Program can provide a framework for CTE programs of study and provides the structure for career guidance and educational planning, standards development, and assessment.



### **Purpose of GOAL's Career Pathway Program**



Within GOAL's Pathway Program, we have the hope and desire to help all students explore potential career options and develop the knowledge and skills they will need to obtain a successful career path after high school. One of the main objectives of GOAL's Career Pathway Program is to act as a tool for career awareness, exploration and preparation. We want to help our students identify various occupations within each of the Career Pathways matching their interests and aptitudes to act as a steppingstone or bridge for future career development. GOAL's Career Pathways offer students the chance to obtain technical skill, industry certificates, and college credit.

Exploring career options and possibilities is valuable for all students. Students with special needs, such as second language learners or those with disabilities, may have limited role models and may face stereotyped expectations. Introducing ALL students to broad career pathways and the numerous occupations within each pathway expands possibilities for everyone.



## Can Career and Technical Education students earn college credits while in high school?

GOAL High School has agreements with most of the two- and four-year community colleges, state colleges and universities. These agreements grant college credit free of charge to high school student who have successfully complete all requisites included in the agreement; this is known as concurrent enrollment. Concurrent enrollment courses also count as credit toward a high school diploma.

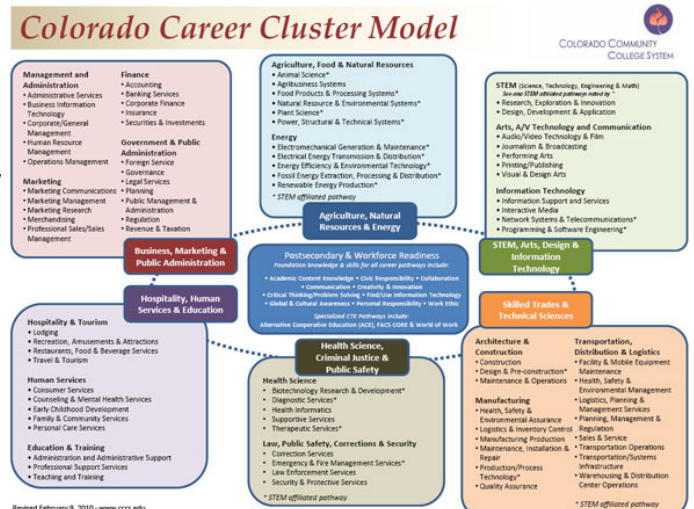
Concurrent enrollment courses are college courses. Students should understand that the amount of work necessary to succeed in concurrent enrollment courses may be much greater than in high school courses. In addition, concurrent enrollment courses become a part of a student's permanent college transcript. It is important to do well in these courses to realize all the benefits of concurrent enrollment.



### Colorado Career Cluster Model

In Colorado, CTE programs are divided into six Career Clusters. GOAL High School offers classes in five of the Colorado Career Clusters. However, GOAL students have the opportunity to meet their education and career goals in all six clusters by taking classes at GOAL or through GOAL High School's Concurrent Enrollment program. The six Career Clusters in Colorado are:

- **Agriculture, Natural Resources & Energy**
- **STEM, Art, Design & Information Technology**
- **Skilled Trades & Technical Sciences**
- **Health Science, Criminal Justice and Public Safety**
- **Hospitality, Human Services & Education**
- **Business, Marketing, and Public Administration**



## Let's Explore How GOAL High School's Pathways Work

### Express Yourself in STEM, Informational Technology, and Arts & Design

Students who enjoy fixing things, tinkering on computers, and learning the "whys" of how things work may have found their match here. This pathway is also for students who are creative and enjoy solving problems or who are interested in web design, computer application creation or IT support. There are also industry certifications to be earned within this pathway! Example career options for STEM, Arts and IT: engineer, computer technician, game designer, programmer, commercial artist, sound engineer, theater technician, data management, web designer.

### Information Technology

#### GOAL High School Information Technology Course Offerings:

##### IT Fundamentals

1. Coding 1 – HTML  
MTA industry certificate available
  2. Coding 2 – App Development  
MTA industry certificate available
  3. Java *\* anticipated 2021-2022 school year*  
MTA industry certificate available
  4. CompTIA A+ course 1 *\* anticipated 2020-2021 school year*
  5. CompTIA A+ course 2 *\* anticipated 2020-2021 school year*
  6. CompTIA A+ Exam Prep *\* anticipated 2020-2021 school year*
- \*\*Regional Concurrent Enrollment Opportunities***

To be post-secondary workforce ready students need to complete minimum of 4 courses in each pathway



Regional Concurrent Enrollment Opportunities for this pathway include IT System Information, Cyber Security, Computer Programming, and many more! For more information about concurrent enrollment in your region please contact to your counselor.

#### IT Pathway Example



#### Programming Pathway Example

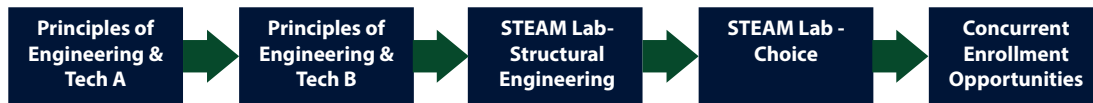


## GOAL High School STEM Course Offerings:

1. Principles of Engineering & Tech A\* *anticipated 2021-2022 school year*
2. Principles of Engineering & Tech B\* *anticipated 2021-2022 school year*
3. STEAM Lab – Automotive Design A
4. STEAM Lab – Automotive Design B
5. STEAM Lab – Biomechanics
6. STEAM Lab – Earthquakes
7. STEAM Lab – Structural Engineering
8. STEAM Lab – Renewable Energy A
9. STEAM Lab – Renewable Energy B



### General Engineering Pathway Example



### Automotive Engineer Pathway Example



### Arts & Design Pathway Example



Regional Concurrent Enrollment Opportunities for this pathway include: Pre-Engineering, Guaranteed Transfer Courses, Graphic Design, Game Design, Video/Audio Technology and many more! For more information about concurrent enrollment in your region please contact to your counselor.

## Lead the Way in the World of BUSINESS, MARKETING, and PUBLIC ADMINISTRATION

If you are a student who likes to take charge, has ideas on how to solve the world's problems or is creative and likes sharing your ideas and leading the way, this might be the pathway for you. Why work for someone else when you could be the boss?! The skills and knowledge learned in this pathway lay a firm foundation for almost all other industries. Technology, finance, customer service, marketing, organizational behavior, and management are just some of the topics you'll get to explore.

Example career options for business, marketing and public administration: real estate agent, accounting, social media marketing, sports and entertainment marketing, business management, financial planner, retail buyer, sales, business owner.

Business and Marketing

### GOAL High School Business and Marketing Course Offerings: Introduction to Business

1. MS Office Specialist – Word
2. MS Office Specialist – Excel
3. MS Office Specialist – PowerPoint
4. MS Office Specialist – Outlook
5. Accounting A \*anticipated 2021-2022 school year
6. Accounting B \* anticipated 2021-2022 school year
7. QuickBooks \* anticipated 2021-2022 school year
8. Professional Communications \* **anticipated 2021-2022 school year**
9. Marketing, Advertising & Sales \* **anticipated 2021-2022 school year**
10. Introduction to Entrepreneurship \* **anticipated 2021-2022 school year**
11. Sports and Entertainment Marketing \* **anticipated 2021-2022 school year**



To be post-secondary workforce ready students need two complete minimum 4 courses in each pathway.

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### Administration Pathway Example



## Finance Pathway Example



## Marketing Pathway Example



Regional Concurrent Enrollment Opportunities for this pathway include office assistant, accounting, business management, and guaranteed transfer classes and many more! For more information about concurrent enrollment in your region please contact to your counselor.

## Build the Future in Skilled Trades & Technical Sciences

Interested in designing, developing, manufacturing, fixing and building solutions to address society's problems and needs? Solve problems, connect people and places, and make the world run in the diverse career opportunities available in this pathway. Example career options for the skilled trades and technical sciences: carpenter, construction work, welder, machinist, hair stylist, nail technician, automotive service technician, plumber, electrician, pipefitter, heavy machine operator, commercial driver.

## GOAL High School Skilled Trades and Technical Sciences Course Offerings:

1. ASVAB Prep
2. Drivers Education
3. MC3 Pre-Apprentice Program



Regional Concurrent Enrollment Opportunities for this pathway include machining, welding, manufacturing, automotive service technology, cosmetology, transportation logistics and many more! For more information about concurrent enrollment in your region please contact to your counselor.

## MC3 Pathway Course Example



## Examine the Scope of HEALTH Sciences, Criminal Justice, & Public Safety

If you are a student who enjoys helping others or have a natural response to civic duty, this may be the pathway for you. Whether it's health, medicine, public safety, research or something else this pathway prepares you for making a difference in the community you live.

Example career options for the health sciences, criminal justice and public safety: nurse, police officer, parole officer, phlebotomist, prison guard, firefighter, emergency medical technician, physical therapist, sports medicine, doctor.

1. HEALTH Science and Criminal Justice
2. GOAL High School Health Science Course Offerings:
3. Introduction to Health Science
4. Health Careers \* **anticipated 2021-2022 school year**
5. STEAM Lab – Biomechanics

Regional Concurrent Enrollment Opportunities for this pathway include Nursing Assistant, Phlebotomy, Medical Assisting, Pharmacy Technician, Occupational Therapy and many more! For more information about concurrent enrollment in your region please contact to your counselor.



### General Health Science Pathway Example



### GOAL High School Criminal Justice Course Offerings

1. Introduction to Criminology \*anticipated 2020-2021 school year
2. Principles of Law, Public Safety, Corrections, & Security A \* **anticipated 2021-2022 school year**
3. Principles of Law, Public Safety, Corrections, & Security B \* **anticipated 2021-2022 school year**
4. General Criminal Justice Pathway

Regional Concurrent Enrollment Opportunities for this pathway include Criminal Justice, Guarantee Transfer, Fire Science, and many more! For more information about concurrent enrollment in your region please contact to your counselor.

### GOAL High School Criminal Justice Course Offerings



## Sustain the World in Agriculture, Energy & Natural Resources

Are you a naturalist at heart? Do you see solutions to the world's problems or enjoy spending time outside and taking advantage of nature's beauty? If so, this may be the pathway for you. Careers in this pathway cultivate, use, analyze, manage, and sustain natural resources. This pathway offers opportunities to make the best use of natural resources in order to meet the basic needs of the world's population. Example career options for agriculture, energy and natural resources: outdoor leadership, landscape designer, greenhouse manager, horticulturist, wind turbine technician, solar energy technician, hunting guide, park ranger, zookeeper, veterinary technician.

Agriculture, Energy & Natural Resources

### GOAL High School Natural Resources Course Offerings

1. GOAL Ventures
2. Southern Discovery
3. Northern Discovery
4. Moab Outdoor Orientation
5. Winter Orientation
6. Desert Orientation
7. Canyon O Goblin Valley
8. Black Hills and Beyond



Regional Concurrent Enrollment Opportunities for this pathway include Agri-Business, Soil Science, Equine Science, Water Quality, Outdoor Recreation, Outdoor Education, and Energy Operations and Maintenance and many more! For more information about concurrent enrollment in your region please contact to your counselor.

### Serve Your Community in Hospitality, Human Services & Education

Are you a humanitarian at heart? Do you have a passion for volunteering and helping those in need? Do you find travel, food and planning/organizing appealing? Or, maybe you love sharing your knowledge with others. In this pathway, serving others and working on a team are part of your daily work. Some of the careers that fall under this pathway are culinary and hotel operations, education, legal and protective services, social sciences, human services and many more! Example career options for hospitality, human services and education include: teacher, chef, hotel management, social worker, event planner, travel specialist, flight attendant, counselor, psychologist.


**GOAL Academy currently does not offer courses in the Hospitality, Human Services & Education.**



Regional Concurrent Enrollment Opportunities for this pathway include Culinary Arts, Pre-Education, Early Childhood Education, Guaranteed Transfer Courses and many more! For more information about concurrent enrollment in your region please contact to your counselor.

**No matter who you are or want to become, Career and Technical Education offers something for YOU!**

**For more information about CTE pathways or Colorado's Career Cluster Model please contact GOAL High School's CTE and Workforce Education Department.**



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