2024/2025

Middle School Pathways for Colorado

Career & Technical Education

Created June 2024

Contents

General Pathway Information

To better align offerings across the state and meet the Perkins V requirements, Colorado Career and Technical Education (CTE) developed the following pathways for our middle school and secondary program areas.

This document is organized by Program Director Area, Career Cluster, and then Pathway.

Please visit here to dive deeper into Clusters and Pathways: Educator – Colorado Career and Technical Education and PATHWAYS – Colorado Career and Technical Education
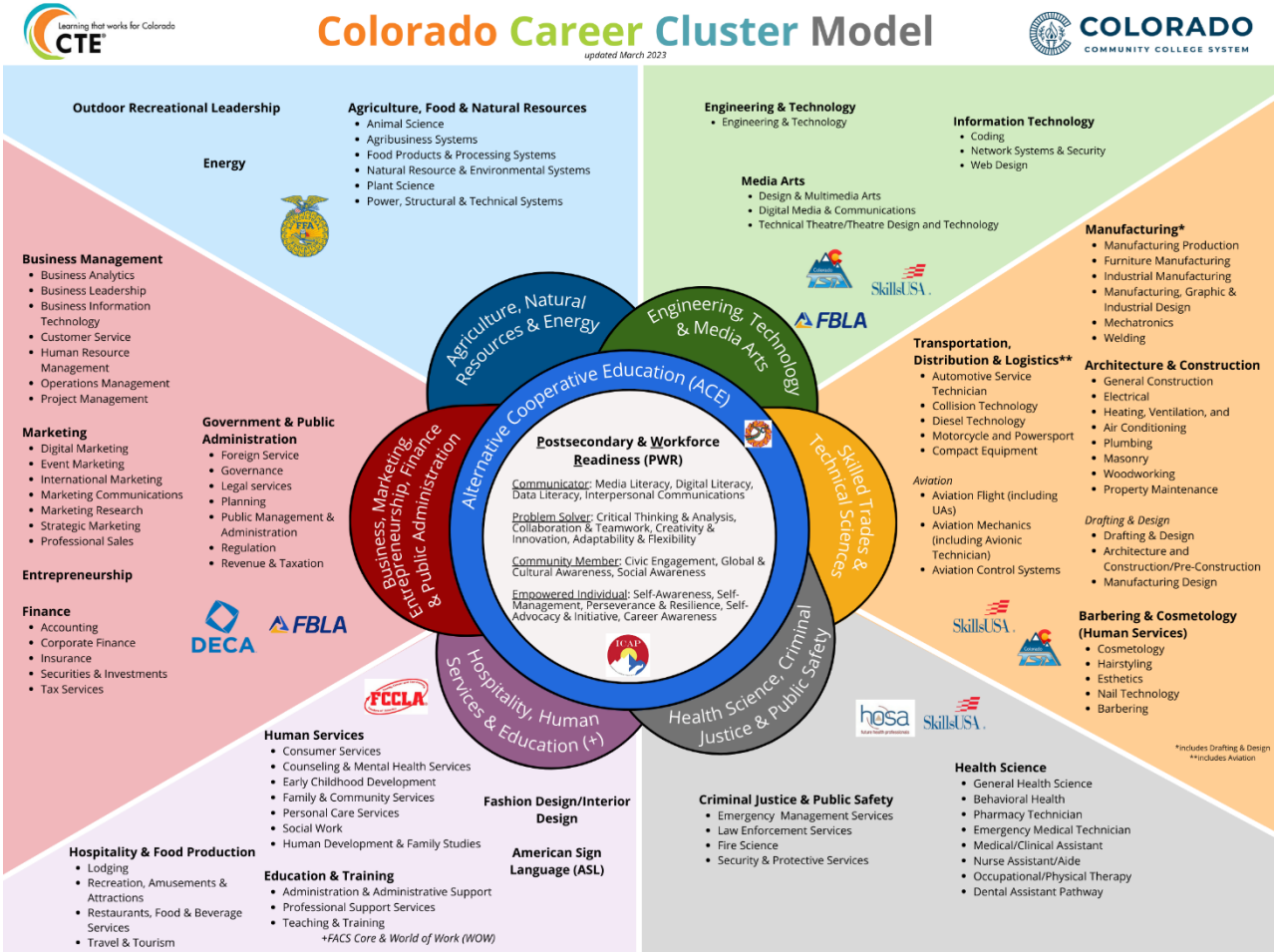
Alternative Cooperative Education (ACE)

Alternative Cooperative Education (ACE) Career & Technical Education (CTE) is a multi-occupational pathway that facilitates individualized, developmentally appropriate programming necessary to support CTE students successfully. This includes students identified as Special Populations[1].

ACE CTE Programming is developed through collaboration with educators, business representatives and community stakeholders. The collaboration creates locally responsive, relevant work-based & school-based learning experiences. ACE CTE students will demonstrate competency in Postsecondary Workforce Readiness (PWR)[2] that lead to technical skill attainment[3] in any chosen occupation with a focus on high wage[4] occupations or high skill in high demand industries that promote self-sufficiency.

1. **Special Populations** (per Perkins V Authorization) is defined as:

   o Individuals with disabilities, Individuals from economically disadvantaged families, Individuals preparing for non-traditional fields, Single parents, including single pregnant women, Out-of-workforce individuals, English learners, Homeless individuals, Youth who are in, or have aged out of the foster care system; Youth with a parent who is a member of the armed forces and/or is on active duty.

2. **Postsecondary Workforce Readiness (PWR)** competencies include:
   - **Communicator:** Media Literacy, Digital Literacy, Data Literacy, Interpersonal Communications
   - **Problem Solver:** Critical Thinking & Analysis, Collaboration & Teamwork, Creativity & Innovation, Adaptability & Flexibility
   - **Community Member:** Civic Engagement, Global & Cultural Awareness, Social Awareness
   - **Empowered Individual:** Self-Awareness, Self-Management, Perseverance & Resilience, Self-Advocacy, Initiative and Career Awareness

3. **Technical Skill Attainment** is defined as: the knowledge and skills determined by Career & Technical Standards and competency measures that are mastered by the student in a CTE program. This verification can be completed by delivering educator/employer formal assessment & evaluation; performance based assessment or from artifacts reflecting work experience accumulated in a portfolio, among other verification models; including, but not limited to: developmentally appropriate completion of a CTE course sequence and skills outlined in individual training plans for work based learning.

4. **High Wage**: As determined by the 2006 Perkins Authorization. It refers to "wages greater or equal to the current state set minimum wage". This term may also be replaced with: Real World Employment or Livable Wage as seen fit. Both replaceable terms speak to efforts in ACE CTE programming that support students with supplying the readiness to succeed in todays' economy (however the 'today' looks in current environments).

Successful **C**areer **S**tudents of **C**olorado (SC)[2] is the Colorado based CTSO for students in ACE programs. This is a unique state-only CTSO. CTE students in ACE programming experience the ultimate goals of developing skills in the areas of self-knowledge, human relations, employability, career awareness, independent living, transition planning, leadership, community service and demonstrate Postsecondary Workforce Readiness (PWR) competencies. Visit the website: ACE-(SC)2

Lauren Jones (Austin) *(She/Her/Hers)*

Program Director for Special Populations, Counseling, Equity & Middle School
Lauren.Jones@CCCS.edu (o) 720.858.2825 (c) 303.913.6872

Alternative Cooperative Education (ACE) Cluster

ACE Middle School CTE Pathway (998005)

Credential: ACE CTE

Level 1 Courses	Level 2 Courses
Activities of Financial Literacy I	Activities of Financial Literacy II
Career Literacy I	Career Literacy II
Digital Citizenship & Communicator I	Digital Citizenship & Communicator II
Durable Skills I	Durable Skills II
Personal Development I	Personal Development II
Self-Determination in Daily Living I	Self-Determination in Daily Living II

ACE CTE Pathway Course Descriptions

COURSES ARE LISTED ALPHABETICALLY

Activities of Financial Literacy I

In this course, students will learn the fundamental skills of budgeting, saving and investing as it connects to career interests, salaries and geographic regions. Students will be able to analyze a variety of budget categories, compare budget levels within budget categories, and determine lifestyle choices to meet their personal and professional goals for Young Adult Life, Early Adult Life, Adult Life and Retirement.

Activities of Financial Literacy II

In this course, students will expand on the fundamental skills of budgeting, saving and investing as it connects to career interests, salaries and geographic regions. Students will be able to further analyze a variety of budget categories, further compare budget levels within budget categories, and further determine lifestyle choices to meet their personal and professional goals for Young Adult Life, Early Adult Life, Adult Life and Retirement.

Career Literacy I

This course will prepare students to develop career literacy [career literacy: (noun) the capacity to make informed decisions about choosing a career and deciding the best course of action to reach goals.] Preparing students for success in the workplace requires an understanding of the labor market landscape and opportunities for students to explore, develop and demonstrate the mindsets, knowledge, skills and abilities necessary for career success. Not only can effective career readiness [career readiness: (noun) academic, technical, and employment skills that

prepare students for the workforce.] activities provide students with an opportunity to explore their individual talents and interests, but they can help students understand how those interests intersect with the needs of the future job market.

Career Literacy II

This course builds on Career Literacy I to support students in continuing to develop career literacy [career literacy: (noun) the capacity to make informed decisions about choosing a career and deciding the best course of action to reach goals.] Preparing students for success in the workplace requires an understanding of the labor market landscape and opportunities for students to explore, develop and demonstrate the mindsets, knowledge, skills and abilities necessary for career success. Not only can effective career readiness [career readiness: (noun) academic, technical, and employment skills that prepare students for the workforce.] activities provide students with an opportunity to explore their individual talents and interests, but they can help students understand how those interests intersect with the needs of the future job market.

Digital Citizenship & Communicator I

Everyone who uses the internet and smart technology is a digital citizen. In this course, students will learn about Digital Citizenship and the 3 guiding principles: Safe, Smart and Social (or S3). The first guiding principle: Safety, focuses on protecting yourself and protecting others and create the base of digital citizenship. The next is Smart, which focuses on the concepts around educating yourself and connecting with others. And finally, the Social guiding principle commits to helping everyone make decisions exemplifying our commitment to respecting ourselves and respecting others.

Digital Citizenship & Communicator II

Through the use of the internet and technology, digital citizens engage in all aspects of society from politics to e-commerce to connection via social media. Digital citizenship is engaging responsibly with technology, the internet, and its users. In this course, students will increase their depth of knowledge of the 3 guiding principles: Safe, Smart and Social (or S3). A student's depth of knowledge will increase by focusing on the 9 elements that are connected to the 3 guiding principles: Rights and Responsibilities, Security and Privacy, Health and Welfare, Communication and Collaboration, Digital Fluency, Digital Commerce (e-commerce), Digital Etiquette, Digital Access, and Digital Law.

Durable Skills I

This course is designed to equip middle school students with essential lifelong competencies that transcend specific academic subjects. Durable skills are tangible, teachable measurable skills that are essential for success in a workplace. In this course, students will focus on developing a strong foundation in key durable skills that are crucial for success in both academic and real-world settings. Emphasis will be placed on fostering critical thinking, communication, collaboration, and creativity. This course aims to empower students with the tools they need to thrive academically, socially and professionally, laying the groundwork for a

successful future.

Durable Skills II

In this course, students will build upon the foundational skills acquired in the Level 1 Foundations of Durable Skills course. This advanced-level course aims to further enhance students' abilities in critical thinking, communication, collaboration and other essential durable skills, preparing them for more rigorous academic and career challenges in addition to laying the groundwork for future success.

Personal Development I

In this course, students will explore various aspects of self-improvement, including self-awareness, goal setting, communication skills, emotional intelligence and resilience. Students will equipped with the tools and knowledge to enhance their overall well-being and reach their full potential through the development of a self-advocacy plan and reflect on their values, strengths and weaknesses, and work towards personal growth and self-fulfillment. Instructional practices may include: mindfulness practices, goal-setting exercises, interpersonal skill-building, or personal development.

Personal Development II

This course builds on the skills developed in Personal Development I and expands student skills in; self-awareness, goal setting, communication skills, emotional intelligence and resilience. Students will make revisions to their self-advocacy plan and reflect on their values, strengths and weaknesses, and work towards personal growth and self-fulfillment by creating milestones and interim goal check opportunities. Instructional practices may include: mindfulness practices, goal-setting exercises, or interpersonal skill-building, or a personal development class focusing on personal and professional growth towards promoting a more confident, self-assured, and fulfilled life. Self Advocacy, Empowered Individual & Problem Solver PWR Competencies are included.

Self-Determination in Daily Living I

In this course students gain the ability to understand one's own emotions, thoughts, and values and how they influence behavior across contexts. This includes capacities to recognize one's strengths and limitations with a well-grounded sense of confidence and purpose.

Self-Determination in Daily Living II

In this course, students will engage in additional immersive learning experiences designed to cultivate the principles of self-reliance and individual accountability. Learners will develop skills in self-discipline and self-regulation while developing a heightened sense of empathy towards others. The course emphasizes the importance of mastering Self-Advocacy techniques, Person Centered Planning, Self-Responsibility, and fostering relationships characterized by positivity, respect, and mutual support among peers.

Agriculture, Natural Resources & Energy

Through agricultural education, students are provided opportunities for leadership development, personal growth and career success. Agricultural education instruction is delivered through three major components:

- Classroom/Laboratory instruction (contextual learning)

- Supervised Agricultural Experience programs (work-based learning)

- Student leadership organizations

  — National FFA Organization

  — National Young Farmer Educational Association

  — National Post-secondary Agricultural Student Organization

<table>
<tr><td>Emily Fickbohm
<i>Hers/her/she</i></td><td>Shannon Baylie
<i>Hers/her/she</i></td></tr>
<tr><td>Program Director for Agriculture, Energy, and Natural Resources
Emily.Fickbohm@cccs.edu(o) 720.858.2808</td><td>Assistant Program Director for Agriculture, Energy, and Natural Resources
FFA State Advisor
Shannon.Baylie@cccs.edu (o) 303.595.1562</td></tr>
</table>

Colorado Future Farmers of America (FFA) is for youth from 14 to 22 years of age enrolled in agriculture education. The largest student youth organization in America, the FFA is both an intracurricular and integral part of the complete CTE agriculture education program. The Colorado Young Farmer Education Association is a statewide organization of people enrolled in the Young Farmer Program. The Young Farmer Program is usually conducted by local CTE agriculture instructors in addition to their regular high school or college agriculture classes.

Visit the website: coloradoffa.org

Agriculture, Natural Resources & Energy Cluster

Agriculture (019999)

Credential: Agriculture

Level 1 Courses	Level 2 Courses
Ag Exploratory	Ag Leadership
Intro to Agriscience	Intro to Ag (HS L1)

Agriculture CTE Pathway Course Descriptions

COURSES ARE LISTED ALPHABETICALLY

Ag Exploratory

This course offers basic agriculture industry knowledge with consumer awareness for exploratory middle school courses. Students will engage in issues, trends and perceptions of the agriculture industry to better understand their choices and impacts as a consumer.

Ag Leadership

This introductory leadership course for Middle School follows the unit sequencing of the National FFA Life Knowledge curriculum outlining individual students, collective teamworks, action, service, and the three circle model inclusion of SAE's and FFA. The program provides middle school students with a well-rounded start to their agriculture education career. **Life Knowledge Curriculum**

Intro to Agriculture

This is an introductory course for the first year agriculture education students. This course introduces students to the foundational principles of agriculture, food and natural resources. Students will gain knowledge in career development, leadership, personal development, communications, animal science, plant science, natural resources, food science, power/structure and agribusiness.

Intro to Agriscience

This course is NOT the level 1 high school Intro to Agriculture course. This course will scaffold basic content of understanding production agriculture, terminology, natural resources, and perceptions prior to the level 1 HS Introduction to Agriculture course.

Energy (019999)

Credential: Energy

Level 1 Courses	Level 2 Courses
Energy Basics	

Energy CTE Pathway Course Descriptions

COURSES ARE LISTED ALPHABETICALLY

Energy Basics

This course will provide middle school students with the baseline understanding of the energy industry and concepts as they progress towards a high school Energy program. It walks through forms of energy, renewable vs. non-renewable, measurements, and use of energy from different energy sectors. This course can be a stand alone semester course diving deeper into the concepts and applications or a basic surface level understanding course as a 6 week exploratory. Resources linked in the far right column provide some context to the outcomes/measurements and resources for teachers to lean on through the Energy Information Administration system.

Outdoor Recreation Leadership (310601)

Credential: ORL or Education/Training

Level 1	Level 2	Level 3	Level 4
Exploration of Outdoor Recreation			

Outdoor Recreation Leadership Pathway Course Descriptions

COURSES ARE LISTED ALPHABETICALLY

Exploration of Outdoor Recreation

> This course focuses on exploring Outdoor Recreation through exploratory units that introduce concepts that can be further explored later on in other Outdoor Recreational Leadership Courses.

Business, Marketing, Entrepreneurship and Finance

The Business, Marketing, Entrepreneurship and Finance Education programs are designed to meet the labor market needs of Colorado's business and industry.

Jennifer Cormier
She/her/hers
Program Director for Business, Marketing, Entrepreneurship & Finance
Jennifer.Cormier@cccs.edu

Brad Peer
he/him/his

Assistant Program Director for Business, Marketing, Entrepreneurship & Finance
DECA State Advisor
Brad.Peer@cccs.edu (o) 720.858.2748

DECA is a national organization for secondary students enrolled in Marketing Education. DECA is an inner-curricular student-centered organization designed as an integral part of the classroom instructional program of marketing education that motivates students to learn marketing competencies preparing students to be skilled, employable workers in the field of marketing. All chapters and the national organization are guided in their plans and activities by advisory committees of marketing education instructors, alumni members, school administrators, and business professionals.

website: www.coloradodeca.org

Molly Davis
she/her/hers

Assistant Program Director for Business, Marketing, Entrepreneurship & Finance
FBLA State Adviser
Molly.Davis@cccs.edu (o) 303.858.2743

Future Business Leaders of America (FBLA) is a national career and technical education student organization for secondary students preparing for careers in business or careers in business education. Future Business Leaders of America (FBLA) is the largest career student business organization in the world. Each year, FBLA-PBL helps over 230,000 members prepare for careers in business. FBLA inspires and prepares students to become community-minded business leaders in a global society through relevant career preparation and leadership experiences.

Website: www.coloradofbla.org

Business, Marketing, Entrepreneurship and Finance
Clusters

Business Administration Pathway (529999)

Credential: Business

Level 1 Courses	Level 2 Courses	Level 3 Courses
Digital Literacy & Business Apps	Business Career Exploration	Intro to Business & Entrepreneurship

Business Administration Pathway Course Descriptions

COURSES ARE LISTED ALPHABETICALLY

Business Career Exploration

In this course, students will explore career opportunities and build skills for career readiness. The course will focus on self-assessment, career exploration research, essential skills, job application process, and creating a career plan. An emphasis will be on building fundamentals of the WBL continuum and learning about careers and skills. Students will grow collaboration, communication, research and professionalism skills to prepare them for the world of work.

Digital Literacy & Business Apps

In this course, students will learn how to use digital technology and business apps effectively and responsibly. Areas covered are productivity suites (Office/Google), digital citizenship, online communication, research, and privacy safety. Standards covered in this class are (2) communication and collaboration, (3) research and information fluency, (4) critical thinking, problem solving decision making, (5) digital citizenship, and (6) technology operations and concepts.

Intro to Business & Entrepreneurship

This course introduces basic business and entrepreneurship concepts to student through the exploration of key topics. The course examines the elements of a business as it relates to society and the overall economy. It surveys the concepts of career development, business ownership, finance and accounting, economics, marketing, management, operations, human resources, and business ethics.

Engineering, Technology, & Media Arts

We need to ensure today's learners and tomorrow's leaders are passionate about all the possibilities these areas of study hold.

CarrieAnn Mathis

Program Director for Engineering, Technology & Media Arts
CarrieAnn.Mathis@cccs.edu

(o) 720.858.2413

Carrie Senter
she/her/hers

Assistant Program Director for Engineering, Technology, and Media Arts
TSA State Advisor
Carri.Senter@cccs.edu (o) 720.858.2538

The Colorado Technology Student Association (COTSA) is a national non-profit organization devoted exclusively to the needs of elementary, middle and high school students with a dedicated interest in technology. Involvement in TSA benefits teachers as well as students. Relating class activities to local, regional, state and national technology oriented competitive events can be highly motivational for students. The natural interaction between teachers and students provides an excellent learning environment, while working toward common goals.

<div align="center">

Media Arts Cluster

Middle School Design & Multimedia Arts CTE Pathway (090702)

</div>

Credential: CTE Media Arts, CTE Audio/Video Film Technology*, CTE Journalism & Broadcasting*, CTE Visual Arts & Design* (*No longer issued)

Level 1 Courses	Level 2 Courses	Level 3 Courses
Design & Multimedia Arts 1	**Design & Multimedia Arts 2**	**Design & Multimedia Arts 3**

Design & Multimedia Arts Pathway Course Descriptions

COURSES ARE LISTED ALPHABETICALLY

Design & Multimedia Arts 1

This course introduces basic media arts concepts and foundations. It provides an overview of skills necessary to be successful in general concepts found within digital media platforms.

Design & Multimedia Arts 2

This course builds upon the basic concepts and foundations from level 1. It provides an overview of skills necessary to be successful in general concepts found within digital media platforms..

Design & Multimedia Arts 3

This course builds upon the basic concepts and foundations from level 2. It provides an overview of skills necessary to be successful in general concepts found within digital media platforms and is comparable to a HS Level 1 course.

Middle School Digital Media & Communications (090702)

Credential: CTE Media Arts, CTE Audio/Video Film Technology*, CTE Journalism & Broadcasting*, CTE Visual Arts & Design* (*No longer issued)

Level 1 Courses	Level 2 Courses	Level 3 Courses
Digital Media & Communications 1	Digital Media & Communications 2	Digital Media & Communications 3

Digital Media and Communications CTE Pathway Course Descriptions

COURSES ARE LISTED ALPHABETICALLY

Digital Media & Communications 1

This course introduces basic media communications concepts and foundations. It provides an overview of skills necessary to be successful in general concepts found within media communication processes.

Digital Media & Communications 2

This course builds upon the basic concepts and foundations from Level 1. It provides an overview of skills necessary to be successful in general concepts found within digital media communications platforms.

Digital Media & Communications 3

This course builds upon the basic concepts and foundations from level 2. It provides an overview of skills necessary to be successful in general concepts found within digital media communications platforms.

Middle School Technical Theatre CTE Pathway (500502)

Credential: CTE Media Arts, CTE Audio/Video Film Technology*, CTE Journalism & Broadcasting*, CTE Visual Arts & Design* (*No longer issued)

Level 1 Courses	Level 2 Courses	Level 3 Courses
Technical Theatre 1	**Technical Theatre 2**	**Technical Theatre 3**

Technical Theatre CTE Pathway Course Descriptions

COURSES ARE LISTED ALPHABETICALLY

Technical Theatre 1

Technical Theatre 1 introduces methods of constructing and painting scenery and properties, operating stage lighting and sound equipment, and implementing costumes and multimedia. This course explores the proper procedures of serving on stage crews. This course is designed to enhance students' understanding of life through the study and performance of dramatic works. They emphasize developing students' ability to express themselves and establish personal criteria for the critical evaluation of drama activities.

Technical Theatre 2

Technical Theatre 2 introduces methods of constructing and painting scenery and properties, operating stage lighting and sound equipment, and implementing costumes and multimedia. This course explores the proper procedures of serving on stage crews. This course is designed to enhance students' understanding of life through the study and performance of dramatic works. They emphasize developing students' ability to express themselves and establish personal criteria for the critical evaluation of drama activities.

Technical Theatre 3

Technical Theatre 3 introduces methods of constructing and painting scenery and properties,   operating stage lighting and sound equipment, and implementing costumes and multimedia. This course explores the proper procedures of serving on stage crews. This course is designed to enhance students' understanding of life through the study and performance of dramatic works. They emphasize developing students' ability to express themselves and establish personal criteria for the critical evaluation of drama activities.

Middle School Information Technology CTE Pathway (110101)

Credential: Computer Science K-12, CTE Information Technology, CTE Information Technology (Coding)*, Instructional Technology K-12* (*no longer issued)

Level 1 Courses	Level 2 Courses	Level 3 Courses
Information Technology 1	**Information Technology 2**	**Information Technology 3**

Information Technology CTE Pathway Course Descriptions

COURSES ARE LISTED ALPHABETICALLY

Information Technology 1

The "Foundations of Information Technology" course introduces students to the fundamental concepts and practical applications of information technology, setting the stage for future exploration. Through hands-on projects, interactive learning experiences, and an exploration of the diverse branches of computer science, students will build a solid foundation in technology and coding.

Information Technology 2

The Information Technology (IT) Level 2 course builds upon foundational IT knowledge gained at the beginner level, delving deeper into advanced concepts and practical applications. This course is designed to enhance students' proficiency in various IT domains, fostering a deeper understanding of hardware, software, and networking components. students will have an enhanced understanding of advanced IT concepts and will be well-prepared to pursue further studies or enter the workforce with a solid foundation in information technology. (CSTA Standards).

Information Technology 3

The Information Technology (IT) Level 3 course builds upon foundational IT knowledge gained at the beginner level, delving deeper into advanced concepts and practical applications. This course is designed to enhance students' proficiency in various IT domains, fostering a deeper understanding of hardware, software, and networking components. students will have an enhanced understanding of advanced IT concepts and will be well-prepared to pursue further studies or enter the workforce with a solid foundation in information technology.

Middle School Engineering & Technology CTE Pathway (140101)

Credential: C T E   Engineering & Technologies, CTE STEM* (*no longer issued)

Level 1 Courses	Level 2 Courses	Level 3 Courses
Engineering 1	**Engineering 2**	**Engineering 3**

Engineering & Technology CTE Pathway Course Descriptions

COURSES ARE LISTED ALPHABETICALLY

Engineering 1

This course introduces basic engineering concepts and foundations. It provides an overview of skills necessary to be successful in all fields of engineering including spatial reasoning & design drafting, materials analysis, basic physics/dynamics, and basic manufacturing and production. .

Engineering 2

This course builds upon the basic engineering concepts and foundations from level 1. It provides an overview of skills necessary to be successful in all fields of engineering including spatial reasoning & design drafting, materials analysis, basic physics/dynamics, and basic manufacturing and production.

Engineering 3

Upon completion of this course, students are able to identify and explain the steps in the engineering design process. They can evaluate an existing engineering design, use fundamental sketching and engineering drawing techniques, complete simple design projects using the engineering design process, and effectively communicate design solutions to others.

Family and Consumer Sciences

Family and Consumer Science programs stimulate students to manage the challenges of living and working in a diverse global society. Our unique focus is on families, work and their interrelationships. The mission of Family and Consumer Science education is to prepare students for family life, work life and careers in Family and Consumer Science by providing opportunities to develop the knowledge, skills, and behaviors needed for:

- Strengthening the well-being of individuals and families across the lifespan.

- Becoming responsible citizens and leaders in family, community and work settings.

- Promoting optimal nutrition and wellness across the lifespan.

- Managing resources to meet the material needs of individuals and families.

- Balancing personal, home, family and work lives.

- Using critical and creative thinking skills to address problems in diverse family, community and work environments.

- Successful life management, employment and career development.

- Functioning effectively as providers and consumers of goods and services.

- Appreciating human worth and accepting responsibility for one's actions and success in family and work life.

<table>
<tr><td align="center">Michelle Dennis
<i>she/her/hers</i></td><td align="center">Jordan Sveen
<i>she/her/hers</i></td></tr>
<tr><td align="center">Program Director for Family and Consumer Sciences
Michelle.Dennis@cccs.edu (o) 720.858.2291</td><td align="center">Assistant Program Director for Family and Consumer Sciences
FCCLA State Advisor
Jordan.Sveen@cccs.edu (o) 720.858.2330</td></tr>
</table>

Family, Career and Community Leaders of America (FCCLA) is the only national career and technical student organization with the family as its central focus. Since 1945, FCCLA members have been making a difference in their families, careers and communities by addressing important personal, work and societal issues through family and consumer sciences education. Today over 2400 members in 140 chapters are active in Colorado through the opportunity to expand their leadership potential and develop skills for life.

website: fccla.cccs.edu

Family and Consumer Sciences Cluster

Middle School Hospitality and Tourism CTE Pathway (190101)

Credential: Family and Consumer Sciences Secondary Endorsement or Hospitality Tourism or FCS Occupational Combined

Level 1 Courses
Foods, Nutrition, Culinary Arts

Hospitality and Toursim CTE Pathway Course Descriptions

COURSES ARE LISTED ALPHABETICALLY

Food, Nutrition, Culinary Arts

This Middle School course introduces students to basic food production, nutrition and food science concepts.

Middle School Education & Training CTE Pathway (190101)

Credential: Education & Training or Early Childhood Education

Level 1 Courses
Education Expedition

Education & Training CTE Pathway Course Descriptions

COURSES ARE LISTED ALPHABETICALLY

Education Expedition

Middle School students will explore the positive benefits to an Education related field working with children.. .

Engineering 2

This course builds upon the basic engineering concepts and foundations from level 1. It provides an overview of skills necessary to be successful in all fields of engineering including spatial reasoning & design drafting, materials analysis, basic physics/dynamics, and basic manufacturing and production.

Engineering 3

Upon completion of this course, students are able to identify and explain the steps in the engineering design process. They can evaluate an existing engineering design, use fundamental sketching and engineering drawing techniques, complete simple design projects using the engineering design process, and effectively communicate design solutions to others.

Middle School Human Services CTE Pathway (190101)

Credential: Education & Training or Early Childhood Education

Level 1 Courses	Level 2 Courses	Level 3 Courses
Family and Consumer Sciences 1	Family and Consumer Sciences 2	Family and Consumer Sciences 3
Financial Literacy and Resource Management		
Human Development, Child Development		
Interior Design and Housing		
Personal Development: Interpersonal and Family Relationships		
Textiles and Fashion Fundamentals		

Human Services CTE Pathway Course Descriptions

COURSES ARE LISTED ALPHABETICALLY

Family and Consumer Sciences 1

In this level one middle school course, students will begin to explore and practice concepts in Career Exploration, Financial Literacy, Foods/Nutrition, Interior Design, Apparel Design, Personal Development, and Interpersonal Relationships. Students will acquire knowledge and essential skills necessary for success in career pathways. .

Family and Consumer Sciences 2

In this level two middle school course students will expand and practice more advanced concepts in preparation for high school FCS pathways: Career Exploration, Financial Literacy, Foods/Nutrition, Interior Design, Apparel Design, Personal Development, and Interpersonal Relationships. Students will acquire knowledge and essential skills necessary for success in career pathways.

Family and Consumer Sciences 3

In this level three middle school course students will practice more advanced concepts in preparation for high school FCS pathways: Career Exploration, Financial Literacy, Foods/Nutrition, Interior Design, Apparel Design, Personal Development, and Interpersonal Relationships. Students will acquire knowledge and essential skills necessary for success in career pathways.

Financial Literacy and Resource Management

This middle school course enables students to learn about financial literacy and how to manage their resources.

Human Development, Child Development

This Middle School course is an introduction to child development, human growth, and caregiving across the lifespan.

Interior Design and Housing

This Middle School course is an introduction to Interior Design and Housing.

Personal Development: Interpersonal and Family Relationships

This Middle School course is an introduction to aspects of personal development, interpersonal and family relationships..

Textiles and Fashion Fundamentals

This MIddle School course is an introduction to skills, knowledge and careers in textiles, apparel and fashion design.

.

Health Science, Criminal Justice, and Public Safety

From the western slope to the northeastern plains, Career and Technical Education programs in Colorado's high schools and Community Colleges can get you started on your way to a career in healthcare.

Jordan Whittington

He/Him/His

Program Director for Health & Public Safety

Jordan.Whittington@cccs.edu (o) 720.858.2297

Lee LeSueur

she/her/hers

Assistant Program Director for Health & Public Safety

HOSA State Advisor

Hope.Lowry@cccs.edu (o) 720-858-2324

HOSA- Future Health Professionals is an organization for students enrolled in health occupations education programs. Through HOSA, students develop leadership and technical skills through a program of motivation, awareness and recognition.

website: www.coloradohosa.org

Health Sciences Cluster

Middle School General Health CTE Pathway (519999)

Credential: Engineering & Technology

Level 1 Courses	Level 2 Courses	Level 3 Courses
Introduction to Healthcare for Middle School	Introduction to the Human Body for Middle School	Introduction to Healthcare Careers for Middle School

General Health CTE Pathway Course Descriptions

COURSES ARE LISTED ALPHABETICALLY

Introduction to Healthcare for Middle School

This is the first course of three middle school CTE courses that introduce students to different areas of health-related careers. In this first course, students will learn about the history, structure, and legal issues of health-related careers and the healthcare system. .

Introduction to the Human Body for Middle School

This is the second course of three middle school CTE courses that introduce students to different areas of health-related careers. In this second course, students will learn about the basic body systems/structures, entry-level skills, and how health care changes as the body ages.

Introduction to Healthcare Careers for Middle School

This is the third course of three middle school CTE courses that introduce students to different areas of health-related careers. In this third course, students will learn about the basic personal and professional qualities needed to be a good member of a healthcare team and explore the many opportunities for careers in the health-related field.

Skilled Trades & Technical Sciences

To prepare students with the knowledge and skills necessary to compete & succeed as the future workforce in a global economy.

Alex Dickey
he/him/his

Program Director for Skilled Trades and Technical Sciences
Alex.Dickey@cccs.edu (o) 720.858.2446

Monica Buckley
she/her/hers

Assistant Program Director for Skilled Trades and Technical Sciences
SkillsUSA State Advisor
Monica.Buckley@cccs.edu (o) 720.858.2740

SkillsUSA is a partnership of students, teachers and industry. Working together to ensure America has a skilled work force and helps every student excel. SkillsUSA serves high school and college students who are enrolled in programs preparing them for technical, skilled and service careers. SkillsUSA adds to students' technical training by teaching leadership skills, teamwork, citizenship and character development-all things that go into shaping responsible, reliable employees who will one day become leaders in our workplaces.

website: skillsusaco.org

Skilled Trades & Technical Sciences Cluster
Middle School Architecture & Construction CTE Pathway (320199)

Credential: CTE Architecture and Construction

Level 1 Courses	Level 2 Courses	Level 3 Courses
Introduction to the Trades	Fundamentals of Architecture and Construction	Introduction to Construction
	Fundamentals of Manufacturing	
	Fundamentals of Transportation	

Architecture & Construction CTE Pathway Course Descriptions

COURSES ARE LISTED ALPHABETICALLY

Fundamentals of Architecture and Construction

Fundamentals of Architecture and Construction is a course intended to give students a general knowledge of the architecture and construction industry. Emphasis is placed on safety, measuring practices, basic drafting and construction skills, introduction to CAD, and terminology. Competencies for the co-curricular student organization, SkillsUSA, can be an integral component of this class.

Fundamentals of Manufacturing

This course provides students with opportunities to become familiar with related careers and develop fundamental technological literacy as they learn about the history, systems, and processes of manufacturing. In addition, the course will provide an overview of the safe use of tools and equipment used in the industry. Instruction and learning activities are provided in a laboratory setting using hands-on experiences with the equipment, materials, and technology appropriate to the course content.

Fundamentals of Transportation

This is the third course of three middle school CTE courses that introduce students to different areas of health-related careers. In this third course, students will learn about the basic personal and professional qualities needed to be a good member of a healthcare team and explore the many opportunities for careers in the health-related field.

Introduction to Construction

This course provides students with opportunities to become familiar with related careers and develop fundamental technological literacy as they learn about the history, systems, and processes of transportation. In addition, the course will provide an overview of the safe use of tools and equipment used in the industry. This course will assist students in making informed

decisions regarding their future academic and occupational goals and to provide information regarding careers in the transportation, distribution, and logistics career cluster.

Introduction to the Trades

This course is an introduction the skills and knowledge learned in the Skills Trades industry. This course introduces safety, measurement basics, 3D printing, hand and power tools, electricity, programming and coding, business concepts, and leadership principles as well as careers for the Skills Trades area.
.