

Colorado AFNR Course Scope and Sequence

Course Name	Capstone in CTE		Course Details	Level 4 course for multiple pathways in multiple CTE program areas,
			Course = 0.50 Carnegie Unit Credit	
Course Description	This course allows for individualized advanced or culminating work in any Program of Study. This advanced work can be individualized to the specific program of study to allow for specialized study for the student. It may include project based or problem-based learning or preparation for end of program industry certification. The instructor, in collaboration with the individual student, will determine the specific content and course design.			
Note:	This is a suggested scope and sequence for the course content. The content will work with any textbook or instructional resource. If locally adapted, make sure all essential knowledge and skills are covered.			
SCED Identification #	18999	Schedule calculation based on 60% of a semester instructional time. Scope and sequence allows for additional time for guest speakers, student presentations, field trips, remediation, or other content topics.		

Content in the Capstone in CTE course will be dependent upon the individual student's career goal. The purpose of the course is to provide the CTE program the opportunity to deliver individualized content to multiple students in a class without having to add the courses to the program approval. The content identified for delivery in the Capstone can be of the following:

- Level 3 or 4 course in a program of study sequence that the program is unable to deliver in a course offering due to student numbers or available instructor FTE. Any course in the state CTE matrix for the program area can be used for the individualized course offering. Programs are not limited to level 3 & 4 courses in the pathways the program is approved for as long as the course resides in pathways that are contained in that program area.
- Individualized learning aligned to an industry certification related to the program area. Student can use the Capstone in CTE course for individual learning to learn new content, reinforce previous content, hone skills and abilities needed to successful certification testing in the program area.
- Individualized learning which resides in the CTE program area but is not represented in any state courses in the CTE program area. Content in new and emerging fields in the program area or those locally in need but have not state course created identifying the technical content.

The identification of the individual learning content is determined by the CTE instructor responsible for delivery of the CTE program the student is enrolled in. The instructor and student will agree upon the determination of learning objectives, evaluation, and progress monitoring. It is suggested that the student's parent and guardian along with administration are also aware of the individual learning agreement.

Students in capstone courses from various CTE program can be grouped together into a common class period and supervised by a credential CTE instructor from any of the CTE program providing students. This is for student monitoring only and does not replace the required involvement of the specific CTE instructor for that student in establishing the content and evaluation of student performance and learning.

Academic Standards Alignment

Colorado CTE courses are required to integrate academic and essential skills into course content. The following academic standards have been identified as aligned to this course and should be integrated throughout instruction.

[CO CTE Academic Standards Resources](#) (Rubrics, integration strategies, etc)

[CDE Colorado Academic Standards Online](#) (Online standards lookup tool)

Standard 1: Oral Expression and Listening

Prepared Graduate 1: Collaborate effectively as group members or leaders who listen actively and respectfully; pose thoughtful questions, acknowledge the ideas of others; and contribute ideas to further the group's attainment of an objective.

Students collaborate with their CTE instructor and, when appropriate, industry partners, employers, and project stakeholders to establish individualized learning objectives, monitor progress, and complete project-based or work-based learning experiences.

Prepared Graduate 2: Deliver effective oral presentations for varied audiences and varied purposes.

Students present capstone projects, demonstrate technical skills, and communicate project outcomes to instructors, industry professionals, or other authentic audiences as part of culminating demonstrations of learning.

Standard 2: Reading for All Purposes

Prepared Graduate 4: Read a wide range of informational texts to build knowledge and to better understand the human experience.

Students analyze industry standards, technical resources, certification materials, and career-specific documentation to develop the knowledge necessary to complete individualized capstone projects and demonstrate technical competency.

Prepared Graduate 5: Understand how language functions in different contexts, command a variety of word-learning strategies to assist comprehension, and make effective choices for meaning or style when writing and speaking.

Students use industry-specific vocabulary and professional communication while completing technical documentation, collaborating with instructors and industry partners, and presenting individualized capstone work.

Prepared Graduate 3 (literary texts) is not directly addressed by this course.

Standard 3: Writing and Composition

Prepared Graduate 7: Craft informational/explanatory texts using techniques specific to the genre.

Students develop project proposals, technical documentation, progress reports, portfolios, certification materials, and other written products that explain processes, document learning, and communicate project outcomes.

Prepared Graduate 9: Demonstrate mastery of their own writing process with clear, coherent, and error-free polished products.

Students produce polished written products, portfolios, and project documentation that demonstrate technical proficiency and achievement of individualized learning objectives.

Prepared Graduate 6 (argument writing) and Prepared Graduate 8 (narrative writing) are not explicitly supported by the Capstone course framework.

Standard 4: Research Inquiry and Design

Prepared Graduate 10: Gather information from a variety of sources; analyze and evaluate its quality and relevance; and use it ethically to answer complex questions.

Students conduct research using technical resources, industry standards, certification materials, and career-specific information to develop solutions, complete individualized projects, prepare for industry certification, and demonstrate mastery of advanced technical competencies.

Note: *Mathematics and Science standards will be added in the future. Visit the [Colorado Academic Standards](#) page for the most current version.*