



Course Name	ACE CTE COMPUTER LITERACY III: OPERATING SYSTEMS		Course Details	The intensity and duration of student support, should be scaffolded and faded as students progress through levels I-IV	
			Course = 0.50 Carnegie Unit Credit		
Course Description	As developmentally appropriate, this course (or series of courses) is designed to help students apply their knowledge of personal computer operating systems. MS Windows and other operating systems will be studied. Topics and practice will include installing, configuring, troubleshooting, maintaining and repairing operating systems within the application being taught. This course may also include an introduction to programming, coding and robotics concepts as aligned to student’s Postsecondary pathway. Whenever possible, the appropriate use and safety of social media, internet ethics and exploration should be embedded into the curriculum.				
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 #	10001 10002 10003 10004 10005 10010 72999	Schedule calculation based on 60 calendar days of a 90-day semester. Scope and sequence allows for additional time for guest speakers, student presentations, worksite tours, remediation, or other content topics.			
All courses taught in an approved CTE program must include Essential Skills embedded into the course content. The Essential Skills Framework for this course can be found at https://ed.cde.state.co.us/standardsandinstruction/essentialskills					
Instructional Unit Topic	Suggested Length of Instruction	CTE or Academic Standard Alignment +	Competency / Performance Indicator	Outcome / Measurement (see matrix below)	CTSO Integration <i>*ACE CTE students may qualify for any CTSO depending on pathway and local option</i>

CL – III: ACE COMPUTER LITERACY: OPERATING SYSTEMS	1 semester – 1 year	1. Students will practice installing, configuring, troubleshooting, maintaining and repairing operating systems within the application being taught through critical thinking/problem solving	1. Students will practice installing, configuring, troubleshooting, maintaining and repairing operating systems within the application being taught.	SEE MATRIX BELOW	Successful Career Students of Colorado (SC) ² - see website for competition integration https://cteincolorado.org/ace-ctso/

Outcome/Measurement	Novice	Advanced Beginner	Strategic Learning	Emerging Expert
1.	Recognize that problems can be identified and possible solutions can be generated	...and Define the problem using a variety of strategies	...and Make connections between information gathered and personal experiences to apply and/or test solutions	...and Interpret information and draw conclusions based upon information gathered to formulate a new problem

+ Colorado Department of Education, Colorado Academic Standards, Essential Skills
<https://ed.cde.state.co.us/standardsandinstruction/essentialskills>



Crosswalk: ACE CTE Computer Literacy III - Reading, Writing, and Communicating Standards

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.

Course Evidence: Collaborative troubleshooting and problem-solving.

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

Course Evidence: Explaining technical processes.

Standard 2: Reading for All Purposes

Prepared Graduate 3: Read a wide range of literary texts to build knowledge and to better understand the human experience.

Course Evidence: Minimal literary emphasis.

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

Course Evidence: Reading technical documentation.

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.

Course Evidence: Understanding technical language.



Standard 3: Writing and Composition

Prepared Graduate 6: Craft arguments using techniques specific to the genre.

Course Evidence: Justifying technical solutions.

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

Course Evidence: Writing technical procedures.

Prepared Graduate 8: Craft narratives using techniques specific to the genre.

Course Evidence: Minimal narrative.

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

Course Evidence: Producing clear technical documentation.

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.

Course Evidence: Researching troubleshooting solutions.