



COLORADO SPRINGS SCHOOL DISTRICT 11
Achievement, Learning & Leadership

NEW COURSE
REQUEST FOR APPROVAL
FALL 2019



COLORADO SPRINGS SCHOOL DISTRICT 11
Achievement, Learning & Leadership

NEW SECONDARY COURSE
REQUEST FOR APPROVAL
FALL 2019

HIGH SCHOOL LEVEL

Course Name: ACE CTE Pathway Lab

Course Code: VE.ACECTE

State Course Code: 19001

Subject/Department: Practical Art/Vocational Education

Course Length: One (1) Semester

Grade: 9-12

Prerequisite: Must have completed one semester or be concurrently enrolled in CTE Pathway.

Credits per Semester: One (1) Practical Art or Postsecondary Workforce Readiness (2021+)

Course Description: The Alternative Cooperative Education Career Technical Education Pathways (ACE CTE) program is meant to serve as a support class to ACE CTE students who are co-enrolled in a specific CTE cluster sequence. The ACE teacher serves as the learning success coordinator – filling in the gaps of learning that a student may need to succeed in a CTE Sequence of courses. Ideally, this support would allow the student to complete a specific CTE cluster pathway. The ACE teacher does not supply the technical skill content. Students will demonstrate levels of self-awareness, career exploration, academic planning based upon postsecondary aspirations and realistic options, as well as employability skills. *This course NOT to be delivered as a credit recovery, study hall, or access/study skills course. This course MUST be linked directly to a CTE program.



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NEW SECONDARY COURSE
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HIGH SCHOOL LEVEL

Course Name: ACE Work Based Learning

Course Code: VE.ACEWBL

State Course Code: 19001

Subject/Department: Practical Art/Vocational Education

Course Length: One (1) Semester

Grade: 9-12

Prerequisite: Must have completed one semester or be concurrently enrolled in CTE Pathway.

Credits per Semester: One (1) Practical Art or Postsecondary Workforce Readiness (2021+)

Course Description: Work-Based Learning Programs are structured educational experiences that integrate classroom learning (school-based) with productive, structured work experiences (work-based), which are related to a student learning entry-level job skills. A training plan and evaluation (to be filled out by the supervisor/employer) will be developed, listing job-specific technical skills the student will learn during the experience. Hours worked will be documented. Students will demonstrate levels of self-awareness, career exploration, and postsecondary option knowledge and employability skills. The ACE teacher serves as a coach and mentor checking in with the supervisor/employer regularly.



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**NEW SECONDARY COURSE
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HIGH SCHOOL LEVEL

Course Name: Backpacking

Course Code: IT.OUTBKPK

State Course Code: 08004

Subject/Department: Practical Art/Industrial Technology

Course Length: One (1) Semester

Grade: 9-12

Prerequisite: Must have completed one semester or be concurrently enrolled in CTE Pathway.

Credits per Semester: One (1) Practical Art or Postsecondary Workforce Readiness (2021+)

Course Description: Provides skills related to wilderness travel and outdoor adventure. Emphasizes knowledge of backpacking skills, survival techniques, proper physical conditioning, route finding, equipment selection, and an understanding and respect for the environment. The course incorporates lecture and discussion sessions, followed by a weekend trip in the mountains.



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**NEW SECONDARY COURSE
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HIGH SCHOOL LEVEL

Course Name: Leave No Trace Trainer

Course Code: IT.OUTLNTT

State Course Code: 08004

Subject/Department: Practical Art/Industrial Technology

Course Length: One (1) Semester

Grade: 9-12

Prerequisite: None

Credits per Semester: One (1) Practical Art or Postsecondary Workforce Readiness

Course Description: This course introduces the student to the principles of Leave No Trace and prepares students to teach Leave No Trace curriculum in a variety of outdoor and urban settings. This class is a must for guides, outfitters, outdoor educators, agency employees, scout/youth group leaders, or anyone who cares about minimizing impact on the Colorado backcountry.



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NEW SECONDARY COURSE
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HIGH SCHOOL LEVEL

Course Name: USI 201: Unmanned Foundations/sUAS Safety Ground School

Course Code: IT.USI201

State Course Code: 21019

Subject/Department: Practical Art/Industrial Technology

Course Length: One (1) Semester

Grade: 9-12

Prerequisite: None

Credits per Semester: One (1) Practical Art or Postsecondary Workforce Readiness (2021+)

Course Description: The Systems course explores the key technology used in Unmanned Aircraft Systems to (UAS) give the learner a deeper understanding of how the unmanned aircraft are able to navigate and perform amazing tasks. This course focuses on the three major physical components of a UAS, to include the unmanned aircraft, the payload, the control station, as well as the data link that relays information in between each of these components. Additionally, this course explores the foundations and evolutions of these systems.



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**NEW SECONDARY COURSE
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HIGH SCHOOL LEVEL

Course Name: USI 202: UAS Applications/Operations & VSO

Course Code: IT.USI202

State Course Code: 21019

Subject/Department: Practical Art/Industrial Technology

Course Length: One (1) Semester

Grade: 9-12

Prerequisite: None

Credits per Semester: One (1) Practical Art or Postsecondary Workforce Readiness (2021+)

Course Description: The UAS Applications course examines how unmanned aircraft are used to accomplish a variety of tasks in a complex environment. This unit focuses on how remote pilots apply UAS technology for commercial, scientific, and government purposes, while respecting both the physical and regulatory limits. Additionally, this unit explores the concepts of professionalism and ethics as they apply to remote pilots.



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**NEW SECONDARY COURSE
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HIGH SCHOOL LEVEL

Course Name: USI 203: UAS Personnel

Course Code: IT.USI203

State Course Code: 21019

Subject/Department: Practical Art/Industrial Technology

Course Length: One (1) Semester

Grade: 9-12

Prerequisite: None

Credits per Semester: One (1) Practical Art or Postsecondary Workforce Readiness (2021+)

Course Description: The UAS Personnel unit examines the limits and skills employed by professional remote pilots in trapping and mitigating errors. This unit focuses on human error and management skills used to detect and stop errors during the day-to-day execution of remote pilot tasks. Additionally, this unit explores the concepts of decision-making bias, stress, and methods for safely identifying and mitigating risk while making time-critical decisions.



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**NEW SECONDARY COURSE
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HIGH SCHOOL LEVEL

Course Name: USI 204: UAS Safety Management

Course Code: IT.USI204

State Course Code: 21019

Subject/Department: Practical Art/Industrial Technology

Course Length: One (1) Semester

Grade: 9-12

Prerequisite: None

Credits per Semester: One (1) Practical Art or Postsecondary Workforce Readiness (2021+)

Course Description: The UAS Safety Management course introduces line remote pilots to a management system and culture that is at the heart of the traditional aviation industry. This unit focuses on the four pillars of a safety management system to, include safety policy, safety risk management, safety assurance, and safety promotion. This unit will explore, through exercises and readings, the process for incorporating these principles into a small UAS flight service company.



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**NEW SECONDARY COURSE
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ADULT & FAMILY EDUCATION

Course Name: Retail Industry Fundamentals

Course Code: AFE.RETFND

State Course Code: 12151

Subject/Department: Adult and Family Education

Course Length: Twenty (20) Sessions – 2.5 Hours

Grade: Adult Education

Prerequisite: IB Program, 2 years of Algebra and 1 year of Chemistry

Credits per Semester: Non-Credit

Course Description: This will be a companion course designed to support learners enrolled in a retail industry-specific job training through the Pikes Peak Workforce Center. Students will study reading material and industry-specific vocabulary related to careers in retail customer services, sales, and marketing. Students will improve reading strategies, research skills, and math skills through real-life workplace application. Students will also develop employability skills.