



COLORADO SPRINGS SCHOOL DISTRICT 11  
Instruction, Curriculum, and Student Services

# **NEW SECONDARY COURSE**

## **REQUEST FOR APPROVAL**

### **SPRING 2018**



**COLORADO SPRINGS SCHOOL DISTRICT 11**  
**Instruction, Curriculum, and Student Services**

**NEW SECONDARY COURSE**  
**REQUEST FOR APPROVAL**  
**SPRING 2018**

**HIGH SCHOOL LEVEL**

Course Name: AP Music Theory Online

Course Code: MU.APTHROL

State Course Code: 05114

Subject/Department: Humanities/Music

Course Length: Two (2) Semesters

Grade: 10-12

Prerequisite: Instructor approval

Credits per Semester: One (1) Humanities or Elective

Course Description: Music theory is the study of the elements (“ingredients”) that make up music. Students will study harmony, melody, rhythm, composition, form, ear training, and period specific elements in order to pass the Advanced Placement Music Theory Exam for college credit. This is an online course only. Students will complete their instruction and assignments online and so will need ready access to a computer, the internet, and a music notation program. Assignments may be submitted online by scanning hand written materials or submitting PDFs of work done.



**COLORADO SPRINGS SCHOOL DISTRICT 11**  
**Instruction, Curriculum, and Student Services**

**NEW SECONDARY COURSE**  
**REQUEST FOR APPROVAL**  
**SPRING 2018**

**HIGH SCHOOL LEVEL**

Course Name: Aquatic Sport and Fitness

Course Code: PE.ASF

State Course Code: 08010

Subject/Department: PE/Physical Education

Course Length: One (1) Semester

Grade: 9-12

Prerequisite: None

Credits per Semester: One (1) Physical Education or Elective

Course Description: This class will include swimming instruction, aquatic sports, aquatic games, conditioning in and out of the pool, and water aerobics.



**COLORADO SPRINGS SCHOOL DISTRICT 11**  
**Instruction, Curriculum, and Student Services**

**NEW SECONDARY COURSE**  
**REQUEST FOR APPROVAL**  
**SPRING 2018**

**HIGH SCHOOL LEVEL**

Course Name: Aviation Maintenance Practices 1, 2

Course Code: IT.AVIAT5, IT.AVIAT6

State Course Code: 20113

Subject/Department: Practical Arts/Industrial Technology

Course Length: One (1) Semester

Grade: 10-12

Prerequisite: Sophomore

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

Course Description: This course covers seven different topics, including cleaning and corrosion control, a detailed study of aviation materials and processes, maintenance publications, maintenance forms and records, fluid lines and fittings, aircraft drawings, and mechanic privileges and limitations. Lab projects for all seven topics enhance classroom lecture. Also included in this course is the first of a four-part introduction to human factors in aviation. Upon successful completion of this course, students will be able to complete aircraft forms and records, identify hardware, construct an aircraft tube and hose, read and make basic aircraft drawings, know how to use maintenance publications, what to look for when inspecting an aircraft for corrosion, and be aware of mechanic privileges and limitations.



**COLORADO SPRINGS SCHOOL DISTRICT 11**  
**Instruction, Curriculum, and Student Services**

**NEW SECONDARY COURSE**  
**REQUEST FOR APPROVAL**  
**SPRING 2018**

**HIGH SCHOOL LEVEL**

Course Name: Aviation Science 1, 2

Course Code: IT.AVIAT1, IT.AVIAT2

State Course Code: 20113

Subject/Department: Practical Arts/Industrial Technology

Course Length: One (1) Semester

Grade: 10-12

Prerequisite: Sophomore

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

Course Description: Course covers a detailed study of aircraft weight and balance, including the actual weight of an aircraft. Basic physics concepts including motion, fluid dynamics, heat, sound, and aerodynamics are covered. Class also incorporates ground operations and servicing with several different lab projects. This course develops skills needed in basic mathematics and algebra to calculate aircraft weight and balance as well as other calculations needed to perform aircraft maintenance. Proper use of a calculator is stressed. Upon successful completion of this course, students will be able to perform basic ground operations and servicing of aircraft, weigh aircraft and perform all calculations, be able to explain physics concepts as related to aircraft, and apply mathematical concepts to various requirements.



**COLORADO SPRINGS SCHOOL DISTRICT 11**  
**Instruction, Curriculum, and Student Services**

**NEW SECONDARY COURSE**  
**REQUEST FOR APPROVAL**  
**SPRING 2018**

**HIGH SCHOOL LEVEL**

Course Name: Basic Aviation Electricity 1, 2

Course Code: IT.AVIAT3, IT.AVIAT4

State Course Code: 20113

Subject/Department: Practical Arts/Industrial Technology

Course Length: One (1) Semester

Grade: 10-12

Prerequisite: Sophomore

Credits per Semester: One (1) Practical Arts or Postsecondary Workforce Readiness (2012+)

Course Description: A study of the laws and theory of electricity and its applications to aircraft systems, components, and circuits are covered in this class. Magnetism, batteries, DC circuits, AC circuits, and multimeters including circuit troubleshooting are explained and applied in detail. Several different lab projects aid in understanding concepts. Also included in this course is the study of electrical schematics and their application to aircraft. Upon successful completion of this course, students should have a sound foundation of electrical theory and its applications to aircraft systems and components, as well as know how to read and apply basic electrical schematics to aircraft.



**COLORADO SPRINGS SCHOOL DISTRICT 11**  
**Instruction, Curriculum, and Student Services**

**NEW SECONDARY COURSE**  
**REQUEST FOR APPROVAL**  
**SPRING 2018**

**HIGH SCHOOL LEVEL**

Course Name: Bowling

Course Code: PE.BOWLING

State Course Code: 08004

Subject/Department: PE/Physical Education

Course Length: One (1) Semester

Grade: 10-12

Prerequisite: None

Credits per Semester: One (1) Physical Education or Elective

Course Description: The aim of this class will be to develop the fundamental skills of bowling. Students will receive instruction on bowling etiquette, scoring, technique, equipment care, and safety. Students must provide their own transportation.



**COLORADO SPRINGS SCHOOL DISTRICT 11**  
**Instruction, Curriculum, and Student Services**

**NEW SECONDARY COURSE**  
**REQUEST FOR APPROVAL**  
**SPRING 2018**

**HIGH SCHOOL LEVEL**

Course Name: Culinary Arts

Course Code: CF.CULARTS

State Course Code: 16054

Subject/Department: Practical Arts/Family and Consumer Science

Course Length: Two (2) Semesters

Grade: 9-12

Prerequisite: None

Credits per Semester: One (1) Practical Arts, Elective or Postsecondary Workforce Readiness (2021+)

Course Description: Culinary Arts develops lifelong, skilled individuals with an understanding of cooking practices and techniques. This course offers opportunities to improve food preparation skills, strengthen practical critical decision making and explore culinary choices. Emphasis is placed on working effectively and efficiently in a kitchen, practicing essential cooking techniques and developing culinary skills for everyday use.





**COLORADO SPRINGS SCHOOL DISTRICT 11**  
**Instruction, Curriculum, and Student Services**

**NEW SECONDARY COURSE**  
**REQUEST FOR APPROVAL**  
**SPRING 2018**

**HIGH SCHOOL LEVEL**

Course Name: Design & Color 2

Course Code: AR.MGDDEC2

State Course Code: 05162

Subject/Department: Practical Arts/Art

Course Length: One (1) Semester

Grade: 10-12

Prerequisite: Successful completion (70% or higher) of Design & Color 1

Credits per Semester: Two (2) Practical Arts, Humanities, Elective or Postsecondary Workforce Readiness (2021+)

Course Description: This course covers the creative problem solving techniques for effective design and advertising continuity. Advanced exploration with design devices, theories, and applications will be discussed. Students will continue skills as well as design process development for ideas and concepts through all the layout stages to the finished presentation.



**COLORADO SPRINGS SCHOOL DISTRICT 11**  
**Instruction, Curriculum, and Student Services**

**NEW SECONDARY COURSE**  
**REQUEST FOR APPROVAL**  
**SPRING 2018**

**HIGH SCHOOL LEVEL**

Course Name: Digital Music Production

Course Code: MU.DIGITAL

State Course Code: 05124

Subject/Department: Humanities/Music

Course Length: Two (2) Semesters

Grade: 10-12

Prerequisite: Instructor approval and performing ensemble director approval

Credits per Semester: One (1) Humanities or Elective

Course Description: This class teaches the fundamentals of making music on the computer for applications like broadcast, film, and gaming. Students will produce/compose digital music using the GarageBand music sequencing platform. Students will also learn the basic, practical music theory and keyboard skills necessary to compose music in the digital realm, as well as being introduced to the process of placing and licensing music cues with digital music libraries and scoring for film.



**COLORADO SPRINGS SCHOOL DISTRICT 11**  
**Instruction, Curriculum, and Student Services**

**NEW SECONDARY COURSE**  
**REQUEST FOR APPROVAL**  
**SPRING 2018**

**HIGH SCHOOL LEVEL**

Course Name: Drone Engineering, Design & Repair

Course Code: IT.UAS2

State Course Code: 21019

Subject/Department: Practical Arts/Industrial Technology

Course Length: One (1) Semester

Grade: 11-12

Prerequisite: None

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

Course Description: Develop knowledge and understanding of basic UAS design, Computer Aided Drafting (CAD), Computer Aided Manufacturing (CAM), Additive Manufacturing (AM), basic control system design and implementation, circuit assembly, and aircraft flight-testing. The course will focus on the design process utilized by engineers in defining a problem, further constraining the problem to a set of discrete outcomes or criteria, developing a design strategy and then implementing said strategy.



**COLORADO SPRINGS SCHOOL DISTRICT 11**  
**Instruction, Curriculum, and Student Services**

**NEW SECONDARY COURSE**  
**REQUEST FOR APPROVAL**  
**SPRING 2018**

**HIGH SCHOOL LEVEL**

Course Name: Drone Flight and Licensing

Course Code: IT.UAS1

State Course Code: 21019

Subject/Department: Practical Arts/Industrial Technology

Course Length: One (1) Semester

Grade: 11-12

Prerequisite: None

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

Course Description: Develop knowledge and understanding of FAA regulations, airspace, map orienteering, physics of flight, flight safety and basics, basic flight maneuvers both GPS assisted and non-GPS assisted, advanced UAS maneuvers, basic UAS construction, wiring, and programming. Earn certification in DJI Phantom series and Inspire series and complete preparation for commercial licensing through the FAA Part 107 UAS commercial licensing regulations.



**COLORADO SPRINGS SCHOOL DISTRICT 11**  
**Instruction, Curriculum, and Student Services**

**NEW SECONDARY COURSE**  
**REQUEST FOR APPROVAL**  
**SPRING 2018**

**HIGH SCHOOL LEVEL**

Course Name: High Intensity Training Fitness

Course Code: PE.HIT

State Course Code: 08005

Subject/Department: PE/Physical Education

Course Length: One (1) Semester

Grade: 9-12

Prerequisite: None

Credits per Semester: One (1) Physical Education or Elective

Course Description: Students will experience constantly varied functional movements and high intensity training. All workouts are based on functional movements reflecting the best aspects of gymnastics, weight lifting, running and more. These are the core movements of life.



**COLORADO SPRINGS SCHOOL DISTRICT 11**  
**Instruction, Curriculum, and Student Services**

**NEW SECONDARY COURSE**  
**REQUEST FOR APPROVAL**  
**SPRING 2018**

**HIGH SCHOOL LEVEL**

Course Name: IBMYP Digital Photographic Design

Course Code: AR.MYPPD1

State Course Code: 05162

Subject/Department: Humanities/Art

Course Length: One (1) Semester

Grade: 9-12

Prerequisite: None

Credits per Semester: One (1) Humanities, Elective, Practical Arts, Computer or \*Postsecondary Workforce Readiness (\*2021+)

Course Description: Digital Photographic Design emphasizes applying elements of art and principles of design through the exploration of the purposeful arrangement of images, symbols, and text to communicate a message. This course introduces students to photography and computer graphics through a combination of lectures, demonstrations, assignments, and critiques. Students will learn to see photography and computer graphics via an exploration of the basic tools, techniques and aesthetics. An emphasis on the creative use of camera controls, exposure, and overview of film and digital processing, with an awareness of critical issues in contemporary photography and computer graphic design.



**COLORADO SPRINGS SCHOOL DISTRICT 11**  
**Instruction, Curriculum, and Student Services**

**NEW SECONDARY COURSE**  
**REQUEST FOR APPROVAL**  
**SPRING 2018**

**HIGH SCHOOL LEVEL**

Course Name: IBMYP Digital Photographic Design 2

Course Code: AR.MYPPD2

State Course Code: 05162

Subject/Department: Humanities/Art

Course Length: One (1) Semester

Grade: 9-12

Prerequisite: IBMYP Digital Photographic Design

Credits per Semester: One (1) Humanities, Elective, Practical Arts, Computer or \*Postsecondary Workforce Readiness (\*2021+)

Course Description: Digital Photographic Design 2: continue to learn how the digital SLR camera operates using a variety of lenses. Shooting indoors and outdoors a focus will be provided using macro, telephoto, and other lenses. The photo is just the beginning as you will expand your skills as a designer by taking your pencil sketches and develop them further on the computer. Using Adobe software programs work with commercial skills and illustrative drawing techniques. Design packaging, products and advertisements. Bring your creative side to this class, and explore your imagination through digital images.



**COLORADO SPRINGS SCHOOL DISTRICT 11**  
**Instruction, Curriculum, and Student Services**

**NEW SECONDARY COURSE**  
**REQUEST FOR APPROVAL**  
**SPRING 2018**

**HIGH SCHOOL LEVEL**

Course Name: Medical Billing 1, 2

Course Code: IT.MEDBIL1, IT.MEDBIL2

State Course Code: 14151

Subject/Department: Practical Arts/Industrial Technology

Course Length: One (1) Semester

Grade: 10-12

Prerequisite: Junior

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

Course Description: The Medical Coding and Billing (MBC) program is designed to equip students with the knowledge, technical skills, and work habits required for an entry-level position in the medical insurance billing and coding field by offering problem-solving exercises by utilizing real-world scenarios. The MBC program places a strong emphasis on ethics, accountability, professionalism, and the individuals' commitment to the pursuit of lifelong personal, educational and professional development, as it relates to the medical insurance billing and coding field.





**COLORADO SPRINGS SCHOOL DISTRICT 11**  
**Instruction, Curriculum, and Student Services**

**NEW SECONDARY COURSE**  
**REQUEST FOR APPROVAL**  
**SPRING 2018**

**HIGH SCHOOL LEVEL**

Course Name: Motion Picture Applications

Course Code: IT.UAS3

State Course Code: 21019

Subject/Department: Practical Arts/Industrial Technology

Course Length: One (1) Semester

Grade: 11-12

Prerequisite: None

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

Course Description: Develop knowledge and understanding of motion picture regulation, flight maneuvering, and flight team communication specific to motion picture data collection. Begin integration of camera theory, shot composition, editing techniques and technologies, and color theory in editing application. Earn Advanced Aerial Motion Picture Certification and prepare for Adobe Premiere Certification test.



**COLORADO SPRINGS SCHOOL DISTRICT 11**  
**Instruction, Curriculum, and Student Services**

**NEW SECONDARY COURSE**  
**REQUEST FOR APPROVAL**  
**SPRING 2018**

**HIGH SCHOOL LEVEL**

Course Name: Music Theory Online

Course Code: MU.THRYOL

State Course Code: 05113

Subject/Department: Humanities/Music

Course Length: Two (2) Semesters

Grade: 10-12

Prerequisite: Instructor approval

Credits per Semester: One (1) Humanities or Elective

Course Description: Music Theory is the study of the elements (“ingredients”) that make up music. Students will study harmony, melody, rhythm, composition, form, ear training, and period specific elements. The focus of this course is to introduce depth of knowledge in the area of music theory in order to prepare students for further music study in college and to enhance their skills in their respective performance ensembles. This is an online course only. Students will complete their instruction and assignments online and so will need ready access to a computer, the internet, and a music notation program. Assignments may be submitted online by scanning hand written materials or submitting PDFs of work done.



**COLORADO SPRINGS SCHOOL DISTRICT 11**  
**Instruction, Curriculum, and Student Services**

**NEW SECONDARY COURSE**  
**REQUEST FOR APPROVAL**  
**SPRING 2018**

**HIGH SCHOOL LEVEL**

Course Name: Patient Care Technician 1, 2

Course Code: IT.PCARET1, IT.PCARET2

State Course Code: 14151

Subject/Department: Science/Industrial Technology

Course Length: One (1) Semester

Grade: 11-12

Prerequisite: Junior

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

Course Description: Students enrolled in this program will learn to perform basic lab and patient care procedures, as well as phlebotomy techniques. Upon successful completion of the course, students are eligible to sit for the NHA CPCT exam. In addition, they will have the opportunity to become certified in phlebotomy. For a nominal fee, the possibility for EKG Technician certification is an additional opportunity for students.



**COLORADO SPRINGS SCHOOL DISTRICT 11**  
**Instruction, Curriculum, and Student Services**

**NEW SECONDARY COURSE**  
**REQUEST FOR APPROVAL**  
**SPRING 2018**

**HIGH SCHOOL LEVEL**

Course Name: Personal Financial Literacy

Course Code: SS.PFINLIT

State Course Code: 19262

Subject/Department: Social Studies/Social Studies

Course Length: One (1) Semester

Grade: 10-12

Prerequisite: None

Credits per Semester: One (1) Social Studies, Postsecondary Workforce Readiness (2021+) or Elective

Course Description: Personal Financial Literacy builds skills that students will use throughout their lifetime, including career planning, taxes, checking, saving, paying for college, types of credit, managing credit, investing, insurance, and budgeting so that students understand how Economic theory becomes daily reality.



**COLORADO SPRINGS SCHOOL DISTRICT 11**  
**Instruction, Curriculum, and Student Services**

**NEW SECONDARY COURSE**  
**REQUEST FOR APPROVAL**  
**SPRING 2018**

**HIGH SCHOOL LEVEL**

Course Name: Pharmacy Technician 1, 2

Course Code: IT.PHARMT1, IT.PHARMT2

State Course Code: 14152

Subject/Department: Science/Industrial Technology

Course Length: One (1) Semester

Grade: 11-12

Prerequisite: Junior

Credits per Semester: One (1) Science, Practical Art, or Postsecondary Workforce Readiness (20121+)

Course Description: The Pharmacy Technician Program is a 180-hour program over a 36-week period. The objective of the program is to equip students with knowledge, technical skills, and work habits required for an entry-level position in the pharmacy field or related area. Our teaching techniques encourage active student participation and may include group discussions and projects, laboratory work, simulations, demonstrations, field trips, guest speakers, and lectures. A strong emphasis is placed on ethics, accountability, professionalism, and the individual's commitment to pursue lifelong personal and professional development.



**COLORADO SPRINGS SCHOOL DISTRICT 11**  
**Instruction, Curriculum, and Student Services**

**NEW SECONDARY COURSE**  
**REQUEST FOR APPROVAL**  
**SPRING 2018**

**HIGH SCHOOL LEVEL**

Course Name: ProStart Food Service Field Exp 2

Course Code: CF.PROSF2

State Course Code: 16056

Subject/Department: Practical Arts/Family and Consumer Science

Course Length: One (1) Semester

Grade: 11-12

Prerequisite: The completion of ProStart Levels 1-4 with a grade of 70% or higher and ProStart Field Exp 1

Credits per Semester: Two (2) Practical Arts or Elective

Course Description: This course is offered following the completion of ProStart Level 1 (1&2) and ProStart Level 2 (3&4) with a grade of 70% or higher. It provides the foundation skills and a minimum of 100 of the 400 industry work hours required for students to earn the ProStart Certificate of Achievement (COA). In addition, 150 hours can be completed through school events and caterings.



**COLORADO SPRINGS SCHOOL DISTRICT 11**  
**Instruction, Curriculum, and Student Services**

**NEW SECONDARY COURSE**  
**REQUEST FOR APPROVAL**  
**SPRING 2018**

**HIGH SCHOOL LEVEL**

Course Name: Yoga Fit

Course Code: PE.YOGA

State Course Code: 08006

Subject/Department: PE/Physical Education

Course Length: One (1) Semester

Grade: 9-12

Prerequisite: None

Credits per Semester: One (1) Physical Education or Elective

Course Description: Students will learn a unique combination of strengthening and flexibility related exercises with benefits that can be carried into other aspects of a person's life. Yoga's benefits include increased muscular strength and tone, flexibility respiratory and circulatory health, injury prevention, sports performance, improved posture and stress relief.



**COLORADO SPRINGS SCHOOL DISTRICT 11**  
**Instruction, Curriculum, and Student Services**

**NEW SECONDARY COURSE**  
**REQUEST FOR APPROVAL**  
**SPRING 2018**

**ADULT & FAMILY EDUCATION LEVEL**

Course Name: Career Exploration

Course Code: AFE.CAREXP

State Course Code: 22152

Subject/Department: Postsecondary Workforce Readiness/Adult & Family Education

Course Length: 1 (Quarter)

Grade: Adult & Family Education

Prerequisite: None

Credits per Semester: Non-Credit

Course Description: This course is intended for adults 17 years or older preparing to enter the workforce or wanting to change career fields. It will explore the jobs, skill, and credentials necessary to enter into the top four industries in the El Paso County area.