

CTE - CIP Course Details Catalog

Cluster: Law, Public Safety, Corrections and Security

CIP: 43.0203 - Fire Science/Fire-fighting. (Non Traditional - Female)

Status: Open Start Year: 2011 End Year:

Group 1 - Orientation Courses: Exploratory coursework, could be offered at the secondary level or prior-to-secondary in 7th or 8th grade.

State Course ID	State Course Title	Max Carnegie Units	Start SY	End SY
22151A001	Career Exploration	1.00	2021	
15001A001	Exploration of Public Service Careers	3.00	2021	

Group 2 - Introductory Courses: Introductory coursework for the program of study.

State Course ID	State Course Title	Max Carnegie Units	Start SY	End SY
15101A001	Public Safety	3.00	2021	
15202A001	Community Protection	3.00	2021	
08055A001	First Aid and Safety	1.00	2022	

Group 3 - Skills Courses: More in-depth courses for program concentrators.

State Course ID	State Course Title	Max Carnegie Units	Start SY	End SY
15152A001	Fire-Fighting I	4.00	2021	

Group 4 - Advanced Courses: More advanced courses for learners completing a program of study to allow for specialization.

State Course ID	State Course Title	Max Carnegie Units	Start SY	End SY
15152A002	Fire-Fighting II	4.00	2021	
15151A001	Fire Science	3.00	2021	
15055A001	Forensic Science	3.00	2021	
15056A001	Crime Scene Management	3.00	2021	

Group 5 - Workplace Experience: Similar model to the existing Cooperative Education coursework that is designed to give students relevant work experience

State Course ID	State Course Title	Max Carnegie Units	Start SY	End SY
15198A001	Fire Management Workplace Experience	3.00	2021	
15998A001	Law, Public Safety, Corrections & Security Workplace Experience	3.00	2022	

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Course Descriptions

CIP: 43.0203 - Fire Science/Fire-fighting.

State Course ID: 22151A001 **Course Title:** Career Exploration

Career Exploration courses help students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills.

State Course ID: 15001A001 **Course Title:** Exploration of Public Service Careers

Exploration of Public Service Careers courses expose students to the duties, responsibilities, requirements, and career opportunities within public service. Course topics vary and may include (but are not limited to) protective services; correction, judicial, and probation services; fire protection and fire fighting; public administration; and social work. Course activities depend upon the career clusters that students explore.

State Course ID: 15101A001 **Course Title:** Public Safety

Public Safety courses introduce students to the field of public safety and extend their knowledge and skills pertaining to the safety and security of homes, workplaces, and the community. These courses cover such topics as policing, law enforcement, emergency service, and private security and corrections and may cover all or a subset of these services.

State Course ID: 15202A001 **Course Title:** Community Protection

Community Protection courses provide students with information regarding the personnel and agencies concerned with protection of the home, city, state, and nation. Topics covered typically include civil defense and disaster preparedness; crime prevention; pollution control; fire prevention and control; legal and social systems and principles; and public health. These topics may be explored from the viewpoint of a community resident and citizen using these services or of that of one interested in pursuing a public service career.

State Course ID: 15152A001 **Course Title:** Fire-Fighting I

This course is designed to provide students with the skills needed to prevent and extinguish fires, maintain and repair fire service related equipment, provide basic emergency medical treatment, and prepare public service information concerning fires and hazardous materials. Instruction includes the physical characteristics of fire as well as general safety practices, basic fire behavior, and extinguishing principles. Students learn rescue and extrication procedures, types and use of ground ladders, proper ventilation techniques, and appropriate use of various water supply systems, and how to use ropes and tie knots. Students also learn basic emergency medical techniques and practices which include medical legal considerations, terminology, airway management, patient assessment and transportation, and emergency treatment.

State Course ID: 15152A002 **Course Title:** Fire-Fighting II

This course builds on the concepts and skills introduced in Fire-Fighter I. Instruction is provided in the use fire hoses, controlling property loss along with fire control techniques, detection systems, and prevention practices. Instruction includes communication procedures, procedures for operating emergency vehicles, maintaining fire-related equipment and vehicles, and securing and protecting evidence. Students may learn procedures for treating poisonings and allergic reactions, environmental emergencies, and hazardous waste removal, as well as how to treat soft tissue, musculoskeletal, and head and spine injuries.

State Course ID: 08055A001 **Course Title:** First Aid and Safety

Safety and First Aid courses provide specialized instruction in first aid techniques, cardiopulmonary resuscitation (CPR), relief of obstructed airways, and general safety procedures and behaviors. These courses may include such topics as an overview of community agencies and hotlines providing emergency care and information and opportunities for first aid and CPR certification. Instructors must have the requisite training and/or certifications to provide this training.

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CIP: 43.0203 - Fire Science/Fire-fighting.

State Course ID: 22153A001 **Course Title:** Cooperative Education

Cooperative Education is a capstone course designed to assist students in the development of effective skills and attitudes through practical, advanced instruction in school and on the job through cooperative education. Students are released from school for their paid cooperative education work experience and participate in 200 minutes per week of related classroom instruction. Classroom instruction focuses on providing students with job survival skills and career exploration skills related to the job and improving students' abilities to interact positively with others. For skills related to the job, refer to the skill development course sequences, the task list or related occupational skill standards of the desired occupational program. The course content includes the following broad areas of emphasis: further career education opportunities, planning for the future, job-seeking skills, personal development, human relationships, legal protection and responsibilities, economics and the job, organizations, and job termination. A qualified career and technical education coordinator is responsible for supervision. Written training agreements and individual student training plans are developed and agreed upon by the employer, student and coordinator. The coordinator, student, and employer assume compliance with federal, state, and local laws and regulations.

State Course ID: 15152A001 **Course Title:** Fire-Fighting I

This course is designed to provide students with the skills needed to prevent and extinguish fires, maintain and repair fire service related equipment, provide basic emergency medical treatment, and prepare public service information concerning fires and hazardous materials. Instruction includes the physical characteristics of fire as well as general safety practices, basic fire behavior, and extinguishing principles. Students learn rescue and extrication procedures, types and use of ground ladders, proper ventilation techniques, and appropriate use of various water supply systems, and how to use ropes and tie knots. Students also learn basic emergency medical techniques and practices which include medical legal considerations, terminology, airway management, patient assessment and transportation, and emergency treatment.

State Course ID: 15152A002 **Course Title:** Fire-Fighting II

This course builds on the concepts and skills introduced in Fire-Fighter I. Instruction is provided in the use fire hoses, controlling property loss along with fire control techniques, detection systems, and prevention practices. Instruction includes communication procedures, procedures for operating emergency vehicles, maintaining fire-related equipment and vehicles, and securing and protecting evidence. Students may learn procedures for treating poisonings and allergic reactions, environmental emergencies, and hazardous waste removal, as well as how to treat soft tissue, musculoskeletal, and head and spine injuries.

State Course ID: 15151A001 **Course Title:** Fire Science

Fire Science courses introduce students to the field of fire prevention and control and enable them to extend their knowledge through the use of chemical, physical, and engineering principles to understand factors involved in fires. Course topics typically include the chemistry of combustion, factors that influence fire (such as structural design and meteorology), and safety procedures.

State Course ID: 15055A001 **Course Title:** Forensic Science

Forensic Science courses provide an overview of the theoretical understanding and practical application of forensic science techniques. These courses explore the applied science and the fields of biology, chemistry, physics, and crime science investigation. Topics typically covered may include genetics, anthropology, toxicology, entomology, ballistics, pathology, computer forensics, fire debris and trace evidence among others.

State Course ID: 15056A001 **Course Title:** Crime Scene Management

Crime Scene Management courses provide the skills and knowledge necessary for criminalistics - the securing, investigating, and processing of a crime scene. Topics may include, but are not limited to, evidence collection and preservation, finger printing, sketching, securing and photographing the crime scene, and chain of custody.

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CIP: 43.0203 - Fire Science/Fire-fighting.

State Course ID: 15198A001 **Course Title:** Fire Management Workplace Experience

Fire Management Workplace Experience courses provide work experience in fields related to fire management. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships.

State Course ID: 15998A001 **Course Title:** Law, Public Safety, Corrections & Security Workplace Experience

Law, Public Safety, Corrections & Security Workplace Experience courses provide work experience in fields related to the Law, Public Safety, Corrections & Security cluster. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving further study of the field, discussion of relevant topics that are responsive to the workplace experience and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; School-based Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Health Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-apprenticeships, and Registered Apprenticeships.