

2022-2023 ADDENDUM CREDIT CLASSES PUBLIC SAFETY – AGENCY TRAINING

FIRE TECHNOLOGY ADVANCED TRAINING - (FIRET)

FIRET 007 FIRE APPARATUS DRIVER/ OPERATOR – WILDLAND FIRE APPARATUS OPERATIONS

Units: 0.25

4.50 hours lecture, 19.50 hours lab

Covers preventive maintenance and operation of a wildland fire apparatus and production of an effective fire stream.

FIRET 008 FIRE APPARATUS DRIVER/ OPERATOR - WATER TENDER OPERATIONS

Units: 1.00

20.50 hours lecture, 6.50 hours lab

Covers water tender preventive maintenance and operations, including routine tests, inspections, and servicing functions unique to a water tender; maneuvering and positioning a water tender at a water shuttle fill site; and establishing, maneuvering, and positioning at a water shuttle dumpsite.

FIRET 010 FIRE APPARATUS DRIVER/ OPERATOR GENERAL

Units: 1.00

17.50 hours lecture, 22.50 hours lab

Presents techniques and practice in driving emergency vehicles, basic maintenance and pre-trip inspections. This course applies to the requirements for Driver/Operator as established by the California State Board of Fire Services.

FIRET 011 FIRE APPARATUS DRIVER/ OPERATOR PUMP

Units: 1.00

17.00 hours lecture, 23.00 hours lab

Prerequisite: FIRET-010

Presents updated content reflecting the 2009 NFPA 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications. Focusing on methods for performing basic hydraulics and techniques on basic inspections, documentation, maintenance, and troubleshooting fire pumps.

FIRET 012 FIRE APPARATUS DRIVER/ OPERATOR TILLER TRUCK

Units: 1.00

11.00 hours lecture, 29.00 hours lab

Prerequisite: FIRET-011

Covers truck operations and driver responsibilities, recognized standards, and related laws for fire apparatus.

FIRET 021 I-300 INTERMEDIATE INCIDENT COMMAND SYSTEM (ICS)

Units: 1.00

21.00 hours lecture

Expands knowledge of ICS organization and operation with regard to supervisory roles on expanding or type 3 incidents. Includes ICS fundamentals review, incident/event assessment and agency guidance in establishing incident objectives, incident resource management, planning process, demobilization, transfer of command, and close out.

FIRET 022 I-400 ADVANCED ICS

Units: 0.50

15.00 hours lecture

Present the theories and techniques needed to manage large single-agency and complex multi-agency/multi-jurisdictional responses. Topics include fundamentals for command and general staff, major and/or complex incident/event management, area command and multi-agency coordination.

FIRET 042 S-271 HELICOPTER CREW MEMBER

Units: 1.00

24.00 - 26.00 hours lecture

Provides training in all areas of the tactical and logistical use of helicopters by the fire service. Introduces air crew members to operations and provides a foundation in safe procedures.

FIRET 048C FIRE INSPECTOR 2C – INSPECTING NEW AND EXISTING FIRE AND LIFE SAFETY SYSTEMS AND EQUIPMENT

Units: 1.00

24.00 hours lecture

Prerequisite: FIRET-048A

Provides students with a basic knowledge of inspection requirements related to the roles and responsibilities of a Fire Inspector II including inspection of life safety systems and building services equipment, fire protection systems, and emergency access criteria.

LAW ENFORCEMENT, POLICE DEPARTMENT ADVANCED TRAINING - (LEPD)

LEPD-012A LEADERSHIP IN MASS EVENTS

Units: 1.00

18.00 hours lecture

Explores global law enforcement leadership perspectives in managing mass events, techniques to effectively assume Command and General Staff positions using the National Incident Management System, navigate complex leadership situations in the Unified Command environment, and enhance personal performance.

LEPD 018B USE OF FORCE AND DE- ESCALATION

Units: 0.25

8.00 hours lecture

Examines the verbal strategies applicable to crisis negotiations in field situations. Emphasizes de-escalation strategic disengagement techniques. Provides updated legislative content of Penal Code Section 835a.

LEPD 055B IMPLICIT BIAS AND COMMUNITY POLICING

Units: 0.15

6.00 hours lecture

Examines the causes, consequences and solutions regarding implicit bias and racial profiling, and their potential impact on community policing.

LEPD-094A ACTIVE BYSTANDERSHIP FOR LAW ENFORCEMENT (ABLE) INSTRUCTOR

Units: 1.00

24.00 hours lecture

Examines framework and practical application of Active Bystandership in order to instruct and promote the benefits and positive impact within the law enforcement profession and community.

LEPD 118 BASIC COURSE MODULE II

Units: 16.00

CSU 176.00 hours lecture, 88.00 hours lab

Prerequisite: Successful completion of the Level III Module and must be current (within three years) in: 1) First Aid/CPR training prescribed by the Emergency Medical Services Authority set forth in the California Code of Regulations Title 22 (100026(b)) and Penal Code 13518; and 2) Arrest & Firearms (PC 832) training requirements. Module III End-of-Course Proficiency Test must have been taken and passed prior to being admitted to the course.

Provides effective leadership skills, components of leadership, responsibilities of leaders, and the impact of their leadership.

2022-2023 ADDENDUM

NONCREDIT CLASSES

MATHEMATICS

Certificate of Competency: Essential Beginning Algebra Skills

Introduces students to essential introductory algebra skills involving algebraic expressions, linear equations, graphs, and systems. Successful completion of this certificate will help students with basic concepts and prepare them for further and transfer-level mathematics courses.

Certificate Student Learning Outcome:

Students will be able to solve mathematical problems using algebra operations, linear equations, and linear graphs.

Program Requirements:

Units Required: 0

	Units:
NC.MATH-007 Algebraic Expressions	0.0
NC.MATH-008 Graphs and Lines	0.0
NC.MATH-009 Linear Systems.....	0.0

Certificate of Competency: Essential Intermediate Algebra Skills: Polynomials

Introduces students to essential intermediate algebra skills involving exponents, polynomials, and rational expressions/equations. Successful completion of this certificate will help students prepare for transfer level mathematics courses.

Certificate Student Learning Outcome:

Students will be able to solve mathematical problems using exponents, polynomials, and rational expressions/equations.

Program Requirements:

Units Required: 0

	Units:
NC.MATH-010 Exponents and Polynomial Operations	0.0
NC.MATH-011 Factoring Polynomials	0.0
NC.MATH-012 Rational Expressions and Equations.....	0.0

Certificate of Competency: Essential Intermediate Algebra Skills: Functions and Rational Exponents

Introduces students to essential intermediate algebra skills involving relations, functions, graphs, absolute value equations/inequalities, radicals, and rational expressions. Successful completion of this certificate will help students

prepare for transfer level mathematics courses.

Certificate Student Learning Outcome:

Students will be able to solve mathematical problems involving relations, functions, graphs, absolute value equations/inequalities, radicals, and rational expressions.

Program Requirements:

Units Required: 0

	Units:
NC.MATH-013 Relations, Functions, and Graphs ...	0.0
NC.MATH-014 Absolute Value Equations and Inequalities	0.0
NC.MATH-015 Radicals and Rational Exponents ...	0.0

Certificate of Competency: Essential Intermediate Algebra Skills: Quadratics, Exponentials, and Logarithms

Introduces students to essential intermediate algebra skills involving quadratic, exponential, and logarithmic equations/functions. Successful completion of this certificate will help students prepare for transfer level mathematics courses.

Certificate Student Learning Outcome:

Students will be able to solve mathematical problems involving quadratic, exponential, and logarithmic equations/functions.

Program Requirements:

Units Required: 0

	Units:
NC.MATH-016 Quadratic Equations and Functions.....	0.0
NC.MATH-017 Exponential and Logarithmic Functions	0.0

Certificate of Competency: Essential Intermediate Algebra Skills: Shapes and Patterns

Introduces students to essential intermediate algebra skills involving conics, sequences, and series. Successful completion of this certificate will help students prepare for transfer level mathematics courses.

Certificate Student Learning Outcome:

Students will be able to solve mathematical problems involving conics, sequences, and series.

Program Requirements:

Units Required: 0

	Units:
NC.MATH-018 Conic Sections	0.0
NC.MATH-019 Sequences and Series.....	0.0

NC.MATH 007 ALGEBRAIC EXPRESSIONS

6.00 – 10.00 hours

Introduces the basic concepts of algebraic expressions and their operations. This is the seventh in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses.

NC.MATH 008 GRAPHS AND LINES

6.00 – 10.00 hours

Introduces the basic elements of the coordinate plane, graphs, and equations of lines. This is the eighth in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses.

NC.MATH 009 LINEAR SYSTEMS

6.00 – 10.00 hours

Introduces the basic techniques used in solving linear systems of equations. This is the ninth in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses.

NC.MATH 010 EXPONENTS AND POLYNOMIAL OPERATIONS

6.00 – 10.00 hours

Introduces the basic properties of exponents and polynomial operations. This is the tenth in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses.

NC.MATH 011 FACTORING POLYNOMIALS

6.00 – 10.00 hours

Introduces the basic techniques for factoring polynomials. This is the eleventh in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses.

NC.MATH 012 RATIONAL EXPRESSIONS AND EQUATIONS

6.00 – 10.00 hours

Introduces how to simplify rational expressions and solve rational equations. This is the twelfth in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses.

NC.MATH 013 RELATIONS, FUNCTIONS, AND GRAPHS

6.00 – 10.00 hours

Introduces the basic techniques used for Relations, Functions, and Graphs. This is the thirteenth in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses.

NC.MATH 014 ABSOLUTE VALUE EQUATIONS AND INEQUALITIES

6.00 – 10.00 hours

Introduces the basic techniques used in solving Absolute Value Equations and Inequalities. This is the fourteenth in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses.

NC.MATH 015 RADICALS AND RATIONAL EXPONENTS

10.00 – 14.00 hours

Introduces the basic techniques for performing various operations involving radicals and rational exponents. This is the fifteenth in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses.

NC.MATH 016 QUADRATIC EQUATIONS AND FUNCTIONS

8.00 – 12.00 hours

Introduces the basic techniques used in solving quadratic equations with a variety of methods and graphing quadratic functions. This is the sixteenth in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses.

NC.MATH 017 EXPONENTIAL AND LOGARITHMIC FUNCTIONS

8.00 – 12.00 hours

Introduces the basic techniques used in analyzing exponential and logarithmic functions. This is the seventeenth course in the sequence of non-credit developmental mathematics modules is designed to prepare and provide support for transfer-level mathematics and science courses.

NC.MATH 018 CONIC SECTIONS

6.00 – 10.00 hours

Introduces the basic techniques used in analyzing conics. This is the eighteenth in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses.

NC.MATH 019 SEQUENCES AND SERIES

6.00 – 10.00 hours

Introduces the basic techniques used in analyzing sequences and series. This is the nineteenth in the sequence of non-credit developmental mathematics modules designed to prepare and provide support for transfer-level mathematics and science courses.

PUBLIC SAFETY**NC.FIRT 007 FIRE APPARATUS DRIVER/ OPERATOR – WILDLAND FIRE APPARATUS OPERATIONS**

24.00 hours

Covers preventive maintenance and operation of a wildland fire apparatus and production of an effective fire stream.

**NC.FIRT 008 FIRE APPARATUS DRIVER/
OPERATOR - WATER TENDER OPERATIONS**

27.00 hours

Covers water tender preventive maintenance and operations, including routine tests, inspections, and servicing functions unique to a water tender; maneuvering and positioning a water tender at a water shuttle fill site; and establishing, maneuvering, and positioning at a water shuttle dumpsite.

**NC.FIRT 021 I-300 INTERMEDIATE INCIDENT
COMMAND SYSTEM (ICS)**

21.00 hours

Expands knowledge of ICS organization and operation with regard to supervisory roles on expanding or type 3 incidents. Includes ICS fundamentals review, incident/event assessment and agency guidance in establishing incident objectives, incident resource management, planning process, demobilization, transfer of command, and close out.

NC.FIRT 022 I-400 ADVANCED ICS

15.00 hours

Present the theories and techniques needed to manage large single-agency and complex multi-agency/multi-jurisdictional responses. Topics include fundamentals for command and general staff, major and/or complex incident/event management, area command and multi-agency coordination.

**NC.FIRT 042 S-271 HELICOPTER CREW
MEMBER**

24.00 - 26.00 hours

Provides training in all areas of the tactical and logistical use of helicopters by the fire service. Introduces air crew members to operations and provides a foundation in safe procedures.

**NC.FIRT 048C FIRE INSPECTOR 2C –
INSPECTING NEW AND EXISTING FIRE AND
LIFE SAFETY SYSTEMS AND EQUIPMEN**

24.00 hours

Prerequisite: NC.FIRT-048A

Provides students with a basic knowledge of inspection requirements related to the roles and responsibilities of a Fire Inspector II including inspection of life safety systems and building services equipment, fire protection systems, and emergency access criteria.