



# Catalog 2020-2021

## Addendum No.1

The following information was omitted or changed during the 2020-2021 year. Please attach this addendum to your current catalog.

### NEW PROGRAMS

#### ENTRY LEVEL FIREFIGHTER ASSOCIATE IN SCIENCE

##### ASSOCIATE IN SCIENCE CAREER/TECHNICAL (MAJOR CODE: 02844)

Offers degrees and certificates in a number of fields associated with the technology of fire protection, wildland firefighting, rescue and public safety. Provides students with core courses meeting the National Model recognized by Fire and Emergency Services Higher Education (FESHE) module curriculum, the requirements to become a National recognized Emergency Medical Technician (EMT), and Certificate of Achievement courses required to become California State Fire Training (SFT) Firefighter 1 Certification for entry level employment opportunities throughout the state and nation.

##### REQUIRED CORE

FS 101	Fire Protection Organization	3
FS 102	Fire Behavior and Combustion	3
FS 103	Fire Prevention Technology	3
FS 104	Fire Protection Equipment and Systems	3
FS 106	Building Construction for Fire Protection	3
FS 108	Fire Fighter Safety and Survival	3
<b>Total units</b>		<b>18</b>

##### SELECT ONE FROM THE FOLLOWING OPTIONS:

###### OPTION (1):

STUDENTS SEEKING FIREFIGHTER I CERTIFICATION THROUGH A TRADITIONAL REGIONAL FIRE ACADEMY MUST COMPLETE THE FOLLOWING TWO COURSES: (CVFD ONLY)

EMT 101	Healthcare Provider CPR	1
EMT 109	Emergency Medical Responder	3
EMT 113	Emergency Medical Technician-Basic	5
EMT 113L	Emergency Medical Technician Laboratory-Basic	3
FS 281F	Regional Firefighter I Academy	15 - 16
<b>AND</b>		
FS 281G	Firefighter I Academy Skills Review and Certification	1
<b>Total units</b>		<b>28 - 29</b>

###### OPTION (2):

STUDENTS SEEKING FIREFIGHTER 1 CERTIFICATION THROUGH THE ALTERNATE FIRE ACADEMY DELIVERY OPTION (On campus) MUST COMPLETE ALL OF THE FOLLOWING COURSES:

EMT 101 *	Healthcare Provider CPR	1
EMT 109 *	Emergency Medical Responder	3
EMT 113 *	Emergency Medical Technician-Basic	5
EMT 113L *	Emergency Medical Technician Laboratory-Basic	3
FS 10	Professional Skills for Employment in the Fire Service	3
FS 150A	Introduction to Fire Suppression and Maintenance Manipulative Tasks (Beginning)	1.5
FS 150B	Introduction to Fire Suppression and Maintenance Manipulative Tasks (Intermediate)	1.5
FS 150C	Introduction to Fire Suppression and Maintenance Manipulative Tasks (Advanced)	1.5
FS 150D	Truck Company Operations	1.5
FS 160	Wildland Fire Control	3
FS 161	Confined Space Awareness	1
FS 162	Firefighter Survival	1
FS 163	Hazmat Emergency Response First Responder Operational	1.5
FS 164	Basic Incident Command System	0.5
FS 281G	Firefighter I Academy Skills Review and Certification	1
<b>Total units</b>		<b>29</b>

\* Note: Valid EMT Certification could substitute EMT 101, EMT 109, EMT 113, and EMT 113L course requirements.

To earn an associate degree, additional General Education and Graduation Requirements must be completed.

#### ENTRY LEVEL FIREFIGHTER CERTIFICATE OF ACHIEVEMENT

##### CERTIFICATE OF ACHIEVEMENT CAREER/TECHNICAL (MAJOR CODE: 02843)

Offers degrees and certificates in a number of fields associated with the technology of fire protection, wildland firefighting, rescue and public safety. Provides students with training and State Fire Training (SFT) Firefighter I Certification for entry level employment opportunities throughout the state and nation.

EMT 101 *	Healthcare Provider CPR	1
EMT 109 *	Emergency Medical Responder	3
EMT 113 *	Emergency Medical Technician-Basic	5
EMT 113L *	Emergency Medical Technician Laboratory-Basic	3
FS 10	Professional Skills for Employment in the Fire Service	3
FS 150A	Introduction to Fire Suppression and Maintenance Manipulative Tasks (Beginning)	1.5
FS 150B	Introduction to Fire Suppression and	

	Maintenance Manipulative Tasks (Intermediate)	1.5
FS 150C	Introduction to Fire Suppression and Maintenance Manipulative Tasks (Advanced)	1.5
FS 150D	Truck Company Operations	1.5
FS 160	Wildland Fire Control	3
FS 161	Confined Space Awareness	1
FS 162	Firefighter Survival	1
FS 163	Hazmat Emergency Response First Responder Operational	1.5
FS 164	Basic Incident Command System	0.5
FS 281G	Firefighter I Academy Skills Review and Certification	1
<b>Total units</b>		<b>29</b>

\* Note: Valid EMT Certification could substitute EMT 101, EMT 109, EMT 113, and EMT 113L course requirements.

## REGIONAL FIRE ACADEMICY CERTIFICATE OF ACHIEVEMENT

### CERTIFICATE OF ACHIEVEMENT CAREER/TECHNICAL (MAJOR CODE: 02839)

Offers degrees and certificates in a number of fields associated with the technology of fire protection, wildland firefighting, rescue and public safety. Provides students with training and State Fire Training (SFT) Firefighter I Certification for entry level employment opportunities throughout the state and nation. Courses included are the Fire Science Technology Courses recognized by State Fire Training as the Firefighter I Certification, and are offered at the Regional Fire Academy.

EMT 101*	Healthcare Provider CPR	1
EMT 109*	Emergency Medical Responder	3
EMT 113*	Emergency Medical Technician-Basic	5
EMT 113L*	Emergency Medical Technician Laboratory- Basic	3
FS 281F	Regional Firefighter I Academy	15 - 16
<b>AND</b>		
FS 281G	Firefighter I Academy Skills Review and Certification	1
<b>Total:</b>		<b>28-29</b>

\* Note: Valid EMT Certification could substitute EMT 101, EMT 109, EMT 113, and EMT 113L course requirements.

## ENVIRONMENTAL HORTICULTURE ASSOCIATE IN SCIENCE

### ASSOCIATE IN SCIENCE CAREER/TECHNICAL (MAJOR CODE: 02604)

Provides an introductory base of plant knowledge and horticultural skills in the design, installation, and maintenance of sustainable landscapes and related horticulture industries. Students may specialize in various fields of study such as irrigation, propagation, design, and floriculture. This program emphasizes hands-on learning and laboratory activities that support practical application in the field. Students who earn this degree have the opportunity to embark on a successful and rewarding career with potential for rapid advancement. This degree is intended for current and aspiring horticulture

professionals, transfer students, and anyone interested in the art and science of gardening.

### REQUIRED COURSES

LNT 100	Plant and Horticultural Science	4
LNT 134	Introduction to Soil Science	3
LNT 136	Integrated Pest Management	3
LNT 146	Plant Propagation	3
LNT 151	Plant Identification I	3
<b>OR</b>		
LNT 152	Plant Identification II	3
Select two units from the list of Electives below:		2 - 4
<b>Total:</b>		<b>18-20</b>

### ELECTIVE COURSES

Elective Courses		
LNT 120	Landscape Design I	4
LNT 122	Landscape Design II	4
LNT 123	Landscape Maintenance	3
LNT 124	Landscape Construction	3
LNT 128	Sprinkler Design	3
LNT 129	Landscape Water Management	3
LNT 138	Floral Design I	3
LNT 140	Floral Design II	3
LNT 141	Floral Design III	1
LNT 147	Wedding Design and Event Planning	2
LNT 148	Horticultural Business Practices	3
LNT 151	Plant Identification I	3
LNT 152	Plant Identification II	3

To earn an associate degree, additional General Education and Graduation Requirements must be completed.

## FAMILY CHILD CARE BUSINESS PROVIDER CERTIFICATE OF COMPLETION

### CERTIFICATE OF COMPLETION CAREER/TECHNICAL (MAJOR CODE: NC011)

This certificate contains a series of five courses (NC 1054, NC 1055, NC 1056, NC 1057, NC 1058) which provides the resources, information and skills required to run a quality family child care program. Best practices concerning business and child care practices and relevant theory and philosophical concepts are included. These courses can be provided bilingually when taken with an identified noncredit ESL course (NC 223). Total hours of instruction ranges from 60 to 84 hours.

### REQUIRED CORE

NC 1054	Family Childcare Business I	12
NC 1055	Family Childcare Business II	12
NC 1056	Family Childcare Business III	12
NC 1057	Family Childcare Business IV	12
NC 1058	Family Childcare Business V	12
NC 223	ESL for Family Literacy	24
<b>Total hours:</b>		<b>84</b>

## INFANT, CHILD, AND ADOLESCENT DEVELOPMENT CERTIFICATE OF COMPLETION

### CERTIFICATE OF COMPLETION CAREER/TECHNICAL (MAJOR CODE: NC012)

This certificate contains a series of four courses (NC 204, NC 205, NC 206, and NC 207) that includes 48 hours of instruction. Provides information about the developing child. Relevant and current research, theories, and appropriate practices needed to understand and meet common challenges with children and families are addressed.

#### REQUIRED CORE

NC 204	A Caregiver's Guide to Infants and Toddlers	12
NC 205	A Caregiver's Guide to Preschoolers	12
NC 206	A Caregiver's Guide to School-Age Children	12
NC 207	A Caregiver's Guide to Teens	12
<b>Total hours:</b>		<b>48</b>

## OPTICAL TECHNICIAN TRAINING PROGRAM CERTIFICATE OF COMPLETION

### CERTIFICATE OF COMPLETION CAREER/TECHNICAL (MAJOR CODE: NC010)

The purpose of offering the non-credit optical training program is to support workforce capacity and education in this health care industry where growth will continue to expand. The goal is to allow students the opportunity to enter a non-credit training program to assist students in successfully passing the National Opticianry Certification Exam.

#### REQUIRED CORE

NC 311	Optical Technician I	45
NC 312	Optical Technician II	45
<b>Total hours:</b>		<b>90</b>

## COURSE MODIFICATIONS

### CD 290 FAMILY STUDIES COOPERATIVE WORK EXPERIENCE 2-4 UNITS

#### Prerequisite:

CD 170 or  
CD 173, and  
CD 180, or  
CD 86 or equivalent

## UC TRANSFERABILITY

### UC Transferability Courses (Effective 2020-2021)

Course	Status
BIOL 207	Approved
CD 284	Approved
CIS 123	Approved
CIS 152	Approved
CIS 160	Approved
CIS 173	Approved
ENGL 130	Approved
ENGL 131	Approved
ENGL 132	Approved
ES/A 200	Approved
ES/A 201	Approved
ES/A 202	Approved
ES/A 214	Approved
ES/A 218	Approved
ES/A 267	Approved
ES/A 268	Approved
ES/A 274	Approved
FTMA 100	Approved
FTMA 101	Approved
FTMA 103	Approved
FTMA 105	Approved
FTMA 111/ MUS 151/ RA&T 120	Approved
FTMA 115/ TA 109	Approved
FTMA 154	Approved
TA 154	Approved
LDR 200	Approved
LNT 100	Approved
LNT 134	Approved
MUS 155/ RA&T 105	Approved
TA 135	Approved
TA 136	Approved
TA 137	Approved
TA 138	Approved
TA 154/ FTMA 154	Approved