FOLSOM LAKE COLLEGE
EL DORADO CENTER | RANCHO CORDOVA CENTER

Folsom Lake College 2016-2017 Catalog Addendum #2 – October 31, 2016

NOTE: This addendum captures changes that occurred in Summer/Early-Fall 2016 after the Folsom Lake College 2016-2017 catalog went to print, as well as corrects errors and omissions in the original version.

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Certificate of Recognition, Clay Arts – UPDATE to Certificate of Achievement

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ARTH 300 – UPDATE course description: This is an introduction to the visual arts and architecture in various world cultures. Lecture and discussion include an overview of different materials and techniques that are used for the visual arts, such as drawing, painting, sculpture, artifacts, architecture, and printmaking. Topics also include the study of theory, terminology, the meaning and function of art, roles of artists, elements of art, and principles of design to develop visual literacy.

ARTH 303 – ADD: C-ID ARTH 110

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ADD the following degree program:

DEGREE
AS-T – Biology

REQUIRED PROGRAM		**Units**
BIOL 400	Principles of Biology	5
BIOL 410	Principles of Botany	5
BIOL 420	Principles of Zoology	5
CHEM 400	General Chemistry I	5
CHEM 401	General Chemistry II	5
MATH 400	Calculus I	5
PHYS 350	General Physics (4)	
and PHYS 360	General Physics (4)	
or PHYS 411	Mechanics of Solids and Fluids (4)	
and PHYS 421	Electricity and Magnetism (4)	8
TOTAL UNITS REQUIRED		**38**

The Associate in Science in Biology for Transfer Degree program provides students with a major that fulfills the general requirements for transfer to the California State University (CSU). Students with this degree will receive priority admission with junior status to the California State University system. Students should work closely with their Folsom Lake College counselor to ensure that they are taking the appropriate coursework to prepare for

majoring in Biology at the institution they wish to transfer to because major and general education requirements may vary for each CSU, and the degree does not guarantee admission to a specific CSU campus.

This program has the following completion requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
   A. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
   B. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis.

Program Student Learning Outcomes

Upon completion of this program, the student will be able to:

- apply acquired knowledge, skills, and abilities toward successful completion of coursework at transfer institutions.
- demonstrate knowledge of the language, facts, and concepts that serve as the foundation for working independently on more complex problems.
- employ appropriate information-gathering tools to investigate scientific matters.
- clearly communicate scientific information, both orally and in written form, to diverse audiences.
- demonstrate laboratory and field habits consistent with accepted practices for safety, documentation, and core techniques.
- analyze data sets, recognize the implications of disturbances to biological systems, and synthesize information to draw conclusions.
- differentiate between scientifically-derived knowledge, myth, and conjecture in professional or everyday encounters with information.
- recognize and discuss ethical implications of biological research when encountered in personal, community, and scientific issues.
- engage in free exchange of ideas to support creative problem solving.
- evaluate former and proposed human activities, and, if necessary, recommend alternative actions that are environmentally sustainable.

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ADD the following certificate program:

CERTIFICATE OF ACHIEVEMENT
Mobile Programming

REQUIRED PROGRAM		**Units**
Semester 1:		
CISP 300	Algorithm Design/Problem Solving	3
Semester 2:		
CISP 360	Introduction to Structured Programming (4)	
or CISP 401	Object Oriented Programming with Java (4)	4
Semester 3:		
CISP 362	Programming for Mobile Devices I	4

Semester 4:

CISP 363	Programming for Mobile Devices II	4
TOTAL UNITS REQUIRED		**15**

This certificate offers a program of study for students seeking jobs in the fields of mobile application development. It provides opportunities to develop the necessary skills and aptitudes for designing, developing and testing a variety of application programs for mobile devices.

Program Student Learning Outcomes
Upon completion of this program, the student will be able to:

- analyze how a mobile application program is developed using tools included in a software development kit.
- design software using object-oriented methods to develop event driven programs for mobile application programs.
- publish mobile applications in an application marketplace.

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ECE 350 – ADD: C-ID EDUC 200

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ADD the following certificate program:

CERTIFICATE OF ACHIEVEMENT
Emergency Medical Studies

REQUIRED PROGRAM		**Units**
AH 110	Medical Language for Health-Care Providers	3
COMM 321	Interpersonal Communication (3)	
or COMM 325	Intercultural Communication (3)	3
EMT 100	Emergency Medical Technician (7.5)	
or EMT 101	Emergency Medical Technician Training (7)	7-7.5
FITNS 381	Weight Training	1
NUTRI 300	Nutrition (3)	
or NUTRI 302	Nutrition for Physical Performance (3)	3
PSYC 340	Abnormal Behavior	3
TOTAL UNITS REQUIRED		**20-20.5**

This Certificate program is based on the EMT Basic course with additional education in related topics. This course of study prepares the student to sit for the National Registry or EMT exam. The student will have the basic building blocks for a career in the Fire Service as well as a career in Emergency Medical Services.

Program Student Learning Outcomes
Upon completion of this program, the student will be able to:

- demonstrate knowledge, skills and abilities commensurate with current standards of care in the field of Emergency Medicine at the EMT Basic level such as assessment of the sick and injured, management of

emergency situations such as maintaining an open airway, providing oxygen therapy and immobilization of musculoskeletal injuries.
- utilize professional and interpersonal communication skills with colleagues, and patients in various levels of physical and psychological distress and from various cultures.
- complete and pass the National Registry Exam.

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HEED 300 – ADD: C-ID PHS 100

HEED 302 –

- ADD: C-ID PHS 101
- UPDATE: Course Transferable to UC/CSU
- DELETE: General Education: AA/AS Area III(b); CSU Area D

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ADD the following certificate program:

CERTIFICATE OF ACHIEVEMENT
Heritage Interpretation

REQUIRED PROGRAM		**Units**
ANTH 300	Physical Anthropology (3)	
or ANTH 310	Cultural Anthropology (3)	
or ANTH 320	Introduction to Archaeology and World Prehistory (3)	3
BIOL 307	Biology of Organisms (4)	3-4
or BIOL 323	Plants and People (4)	
or BIOL 332	Introduction to Ornithology (3)	
or BIOL 350	Environmental Biology (3)	
HIST 319	American Environmental History (3)	
or HIST 344	Survey of California History: A Multicultural Perspective (3)	3
A minimum of 2 units from the following:		2
BIOL 388	Natural History Field Studies: River Ecosystems (1)	
or BIOL 389	Natural History Field Studies: Wetland Ecosystems (1)	
or BIOL 390	Natural History Field Study (0.5-4)	
or WEXP 498	Work Experience in (Subject) (1-4)	
or ANTH 498	Work Experience in Anthropology (1-4)	
or HIST 498	Work Experience in History (1-4)	
or BIOL 380	Natural History Field Studies: Coastal Ecosystems (1)	
or BIOL 382	Natural History Field Studies: Desert Ecosystems (1)	
or BIOL 384	Natural History Field Study of Forest Ecosystems (1-4)	
or BIOL 386	Natural History Field Studies: Marine Ecosystems (1)	
ANTH 392	Principles of Heritage Interpretation (3)	
or HIST 392	Principles of Heritage Interpretation (3)	3
TOTAL UNITS REQUIRED		**14-15**

Heritage Interpretation involves conveying meaningful information about historical, cultural, and natural events or sites to a broad audience. One may have encountered interpretive prose in historical site markers, displays at parks or museums, and written park visitor guides. Park rangers, docents, and tour guides use oral and written interpretation skills. More recently, interpretive skills have been expanding into social media. Students completing this proposed certificate of recognition will be prepared to take an exam to be a Certified Interpretive Guide (C.I.G) from the National Association for Interpretation. Courses in this certificate may also be applied towards associate degree and/or transfer requirements.

Program Student Learning Outcomes
Upon completion of this program, the student will be able to:

- pass the Certified Interpretive Guide exam offered by the National Association for Interpretation.
- interpret information about a historical, cultural, or natural event or site to a diverse audience.
- justify the importance of preserving historical, cultural, and natural resources.

HIST 307 – ADD: C-ID HIST 150

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HUM 370 – UPDATE: Course Transferable to UC/CSU

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FITNS 387 – UPDATE: Course Transferable to UC/CSU

FITNS 388 – UPDATE: Course Transferable to UC/CSU

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SPORT 313 – UPDATE: Course Transferable to UC/CSU

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MATH 341 – ADD: C-ID MATH 140

MATH 410 – ADD: C-ID MATH 250

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MUP 426 – UPDATE: Course Transferable to UC/CSU

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ADD the following degree program:

DEGREE
AS-T – Nutrition and Dietetics

REQUIRED PROGRAM		**Units**
BIOL 440	General Microbiology (4)	
or BIOL 442	General Microbiology and Public Health (5)	4-5
CHEM 400	General Chemistry I	5
NUTRI 300	Nutrition	3
PSYC 300	General Principles	3
A minimum of 8 units from the following:		8
BIOL 430	Anatomy and Physiology (5)	
and BIOL 431	Anatomy and Physiology (5)	
CHEM 401	General Chemistry II (5)	
CHEM 420	Organic Chemistry I (5)	
PSYC 330	Introductory Statistics for the Behavioral Sciences (3)	
or STAT 300	Introduction to Probability and Statistics (4)	
A minimum of 3 units from the following:		3
ACCT 301	Financial Accounting (4)	
ANTH 310	Cultural Anthropology (3)	
BUS 340	Business Law (3)	
COMM 311	Argumentation and Debate (3)	
ECE 312	Child Development (3)	
or PSYC 372	Child Development (3)	
ECE 314	The Child, the Family and the Community (3)	
ECON 302	Principles of Macroeconomics (3)	
ECON 304	Principles of Microeconomics (3)	
NUTRI 310	Cultural Foods of the World (3)	
SOC 300	Introductory Sociology (3)	
SOC 310	Marriage and the Family (3)	
TOTAL UNITS REQUIRED		**26-27**

The Associate in Science in Nutrition and Dietetics for Transfer (AS-T) degree in Nutrition and Dietetics at Folsom Lake College allows students interested in pursuing a degree in Nutrition and Dietetics to complete their first two years of requirements at the community college before transferring to a California State University which offers a B.S. degree in Nutrition and Dietetics.

Note to transfer students: If your goal is to transfer to a four-year institution to obtain a Bachelor's degree in nutrition or dietetics, you must meet with a counselor and plan the courses for your major. Each California State University may have different requirements for transfer and Bachelor degrees.

This program has the following completion requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
   A. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
   B. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by

the community college district.

2. Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis.

Program Student Learning Outcomes

Upon completion of this program, the student will be able to:

- demonstrate an understanding of the relationships between chemistry, biology, and nutrition.
- design diet plans using nutrition principles to promote optimal health.
- apply knowledge of the interaction of nutrition and health using problem-solving and critical thinking skills.
- examine cultural diversity in regards to nutrition and foods.
- distinguish between reliable sources of nutrition information and nutrition claims not supported by research.