

NAPA VALLEY COLLEGE

CATALOG ADDENDUM

2018/2019



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NEW PROGRAM

The following program has been approved for the Spring 2019 semester.

Natural Science: AS Degree

The Associate in Science Degree in Natural Science is an interdisciplinary degree program that focuses on the scientific study of the natural world with an emphasis in either life science or physical science. The program comprises core courses in chemistry and biology or chemistry and physics, a college-level mathematics requirement, and additional elective courses in biology or physical sciences. To fulfill the requirements for this degree, students will complete the required courses and work with a counselor to determine the appropriate pattern of general education courses based on the student's individual educational goals.

Program Learning Outcomes:

Outcome 1: Communicate chemical and physical processes at the molecular level and how they relate to the macroscopic environment. (Life Science and Physical Sciences emphasis).

Outcome 2: Demonstrate a proficiency of knowledge in molecular biology and genetics. (Life Science emphasis).

Outcome 3: Solve quantitative problems while demonstrating a thorough understanding of physical laws. (Physical Sciences emphasis).

The Natural Science AS has a Life Science Emphasis and a Physical Science Emphasis. Select One of the Following Options:

Option 1: Life Science Emphasis	Units
Chemistry - one course in general chemistry for science majors. CHEM 120 General Chemistry 1	5
Biology - one course in general biology for science majors. BIOL 120 General Biology	4
Mathematics - one course in calculus or two courses in pre-calculus. MATH 120 Calculus I or MATH 106 College Algebra and MATH 108 Trigonometry	5 3
Elective courses to complete a minimum of 18 units. BIOL 218 Human Anatomy BIOL 219 Human Physiology BIOL 220 General Microbiology BIOL 240 General Zoology BIOL 241 General Botany CHEM 121 General Chemistry 2 PHYS 120 General Physics 1 PHYS 140 Physics for Scientists & Engineers 1	5 5 5 5 5 5 4 4

Option 2: Physical Sciences Emphasis	Units
Chemistry - one course in general chemistry for science majors. CHEM 120 General Chemistry 1	5
Physics - one course in general physics or physics for science majors. PHYS 120 General Physics 1 PHYS 140 Physics for Scientists & Engineers 1	4 4
Mathematics - one course in calculus or two courses in pre-calculus. MATH 120 Calculus I or MATH 106 College Algebra and MATH 108 Trigonometry	5 5 3
Elective courses to complete minimum of 18 units. CHEM 121 General Chemistry 2 CHEM 240 Organic Chemistry 1 CHEM 241 Organic Chemistry 2 PHYS 121 General Physics 2 4 PHYS 240 Physics for Scientists & Engineers 2 PHYS 241 Physics for Scientists & Engineers 3 BIOL 110 Survey of Biology BIOL 120 General Biology GEOL 110 Physical Geology and GEOL 111 Physical Geology Laboratory	5 4 4 4 4 4 4 4 3 1
Total units for the major	18 - 22
Total units	60

CATALOG CORRECTIONS

Student Trustee Huzaifa Kamran Khawaja, Student Trustee	<i>page 3</i>
Non-degree applicable courses Units from courses numbered below 90 are not Associate degree applicable.	<i>page 53</i>
Pre-Health Science Required Courses: <i>Chem 110 Introduction to Chemistry</i> or <i>Chem 120 General Chemistry 1 and</i> <i>Biol 105 Human Biology</i> or <i>Biol 120 General Biology</i> <i>Plus two of the following:</i> <i>Biol 218 Human Anatomy</i> <i>Biol 219 Human Physiology</i> <i>Biol 220 General Microbiology</i>	<i>page 85</i> Units 4 5 4 4 5 5 5
Total units	18-19

Specialization in Administration and Mentoring:

Skills Certificate *page 97*

(Missing from printed catalog)

Required Courses:	Units
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CFS 270 Administration and Supervision of Early Childhood Programs I	3
CFS 271 Administration and Supervision of Early Childhood Programs II	3
CFS 250 The Mentor Teacher	2
Total units	8

Hospitality: Certificate of Achievement *page 135*

Title of certificate should be "Hospitality Management: Certificate of Achievement."

Kinesiology: AA-T *page 165*

Movement-Based courses for the AA-T in Kinesiology should be categorized: Aquatics, Combatives, Dance and Fitness.

Movement Based Courses: (minimum 3 units)
 Select a maximum of one (1) course from any three (3) of the following areas for a minimum of three units: All movement based courses must be articulated as lower division preparation for the Kinesiology major at a CSU

- Aquatics: Phye 100, Phye 147
- Dance: Dans 126, Dans 128, Dans 128B, Dans 134, Dans 135, Dans 136, Dans 137, Dans 138
- Fitness: Phye 130, Phye 131, Phye 146, Phye 151, Phye 154
- Individual Sports: Phye 112, Phye 113, Phye 118, Phye 123, Phye 125

Respiratory Care: Full-Time and Part-Time Track:

AS Degrees *page 78-179*

Psych 125 is a requirement of the degree. (Cannot be substituted with Psych 124).

Noncredit Hospitality *page 203*

Noncredit Hospitality (HOSPNC)