

**2017-2018  
MATH AND SCIENCE  
(NAS493 /NAS493B/NAS493C)**

successfully complete **18 units of study with a grade of "C" or better or a "P" if the**  
**on a "pass-no pass" basis.**

**REQUIREMENTS AND COURSES:**

*(Take one course in each of the three categories, including one course with a lab):*

Astronomy (AST): 1A, 4, 5, 10, 11, 12, 12H, 25

Chemistry (CHE) 1A, 1AH, 2A, 3, 10, Geography (GEG) 1, 1H, 1L,  
1M, 3, Oceanography (OCE) 1, Physical Science (PHS) 1, Physics (PHY) 2A, 4A

Plant Biology (AMY) 2A, Biology (BIO) 1, 1H, 2A, 5, 7, 8, 9,

Microbiology (MIC) 1

*The remaining units may be taken from any of the following courses):*

Plant Biology (AMY): 2A, 2B, 10

Astronomy (AST): 1, 1H

Astronomy (AST): 1A, 1B

Biology (BIO): 1, 1H, 2A, 2B, 3, 5, 6, 7, 8, 9, 10, 11, 11H, 12, 17, 30, 34, 36

Chemistry (CHE): 12.7 ( ), 3.3 ( ), 3.7 ( ), 0.0) 1.4 ( ), 8.3 ( ), 2) 4.7 (B) 7yT5.3 ( ) (B) 7yT5. ( ) 2) 4.7 (B) 7y53.4 ( ) 2.4 (sH5.4 ( )

	4.0
AREA D	3.0
AREA E	3.0

Total Units: 14.0

Course	Units
AOE ELECTIVE COURSE	3.0
AOE PHYSICAL SCI COURSE	4.0
POL 1	3.0
AREA C1	3.0
CSU ELECTIVE	3.0

Total Units: 16.0

**Course** | 84 0 Td( )

	3.0
AREA C1/C2	3.0
AREA D	3.0

Total Units: 16.0

Course	Units
AREA A1	

**2017-2018  
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(NAS493 /NAS493B/NAS493C)**

The student must successfully complete 18 units of study with a grade of "C" or better or a "P" if the course is taken on a "pass-no pass" basis.

**INCLUDED DISCIPLINES AND COURSES:**

Required Courses (Take one course in each of the three categories, including one course with a lab):

Mathematics (MAT): 1A, 4, 5, 10, 11, 12, 12H, 25

**Physical Sciences:** Astronomy (AST) 1A, Chemistry (CHE) 1A, 1AH, 2A, 3, 10, Geography (GEG) 1, 1H, 1L, Geology (GEO) 1, 1L, 3, Oceanography (OCE) 1, Physical Science (PHS) 1, Physics (PHY) 2A, 4A

**Life Sciences:** Anatomy (AMY) 2A, Biology (BIO) 1, 1H, 2A, 5, 7, 8, 9, 11, 11H, 34, 36, Microbiology (MIC) 1

Elective Courses (The remaining units may be taken from any of the following courses):

Anatomy and Physiology (AMY): 2A, 2B, 10

Anthropology (ANT): 1, 1H

Astronomy (AST): 1A, 1B

Biology (BIO): 1, 1H, 2A, 2B, 3, 5, 6, 7, 8, 9, 10, 11, 11H, 12, 17, 30, 34, 36

Chemistry (CHE): 1A, 1AH, 1B, 1BH, 2A, 2B, 3, 10, 12A, 12B, 17

Computer Information Systems (CIS): 5, 17A, 17B, 17C, 18A, 18B, 18C

Electronics (ELE): 21, 23, 24, 25

Engineering (ENE): 10, 21, 22, 23, 27, 28, 30, 35

Geography (GEG): 1, 1L, 1H, 5

Geology (GEO): 1, 1L, 1B, 3

Health Science (HES): 1

Mathematics (MAT): 1A, 1B, 1C, 2, 3, 4, 5, 10, 11, 12, 12H, 25, 32, 36

Microbiology (MIC): 1

Oceanography (OCE): 1, 1L

Physical Science (PHS): 1, 5

Physics (PHY): 2A, 2B, 4A, 4B, 4C, 4D, 10, 11

Psychology (PSY): 2

***A course may only be counted once.***