Math Sequence for Science and Math Majors

- **ACT <20**
  - SAT ≤499
  - ALEK 0-29
- **ACT 20**
  - SAT 500
  - ALEK 30-60
- **ACT 22**
  - SAT 520
  - ALEK 61-75
- **ACT 25**
  - SAT 560
  - ALEK 61-75
- **ACT 28**
  - SAT 630
  - ALEK 76-100
- **AP AB - 4-5**
- **AP BC - 4-5**

- **MATH 95**
  - Introductory Algebra (3 credits)
  - Grade ≥C
- **MATH 96**
  - Intermediate Algebra (3 credits)
  - Grade ≥C
- **MATH 126**
  - Precalculus I (3 credits)
  - Grade ≥C
- **MATH 127**
  - Precalculus II (3 credits)
  - Grade ≥C
- **MATH 128**
  - Precalculus and Trigonometry (5 credits)
  - Grade ≥C
  - Recommended for Math Majors only
- **MATH 181**
  - Calculus I (4 credits)
  - Grade ≥C
- **MATH 182**
  - Calculus II (4 credits)
  - Grade ≥C
- **MATH 183**
  - Calculus III (4 credits)
  - Grade ≤C

**Majors:**
- Biochemistry
- Chemistry
- Math
- Physics
- Option: Geology

English Sequence for All Majors

- **ACT 21-29**
  - SAT 510-670
  - Either AP - 3
- **ACT 30-36**
  - SAT 680-800
  - Either AP - 4-5

- **ENG 101**
  - English Composition I
  - Grade ≥C
- **ENG 102**
  - English Composition II
  - Grade ≥C

**Majors:**
- Biology
- Geology

- **ENG 101E**
  - English Composition I
  - Extended
  - Grade ≥C
- **ENG 101F**
  - English Composition I
  - Extended
  - Grade ≥C

- **ENG 101E**
  - 2-semester sequence

**Majors:**
- BS Chemistry
- Math
- Physics

**ACT 1-17**
- SAT 200-490
Chemistry Sequence for Science and Math Majors

Fail the Chemistry Placement Exam:
- CHEM 103 Preparatory Chemistry (3 credits) Grade >C

Pass the Chemistry Placement Exam:
- AP Chemistry Test score 3 or IB Chemistry Test score 5
  - Take only the lab at UNLV
- AP Chemistry Test score 4 or IB Chemistry Test score 6-7
  - Take only the lab at UNLV

Majors: Biology
- CHEM 241L Organic Chemistry I lab (1 credit) Grade >C
- CHEM 242L Organic Chemistry II lab (1 credit) Grade >C

Majors: Biochemistry, Chemistry
- CHEM 241 Organic Chemistry I (3 credits) Grade >C
- CHEM 242 Organic Chemistry II (3 credits) Grade >C
- CHEM 347 Organic Chemistry I lab (1 credit) Grade >C
- CHEM 348 Organic Chemistry II lab (2 credits) Grade >C

CAUTION: Preprofessional Students:
Talk to the Pre-health Advisor about AP chemistry
Physics Sequence for Science and Math Majors

Majors: Biology, Earth & Envir. Science option Biochemistry & Geology

Majors: Chemistry, Physics; option Geology

AP Physics C - MECH - AP Physics Calculus-Based Test score 4-5 take PHYS 180L lab only

AP Physics Algebra and Trigonometry Based Test score 4-5 requires PHYS 151 laboratory only; Meet with the Physics Chair
Prerequisites for Upper Division Biology Classes

Prerequisites

- MATH 126 Precalculus I (3 credits) Grade ≥C
- MATH 127 Precalculus II (3 credits) Grade ≥C
- ENG 102 English Composition II or ENG 114 or HON 100 Grade ≥C

**CHEM 121A & 122L General Chemistry I and II (3 credits) Grade ≥C**

Upper Division Biology Classes (300-400 level)

**Pass the Chemistry Placement Exam**

- CHEM 103 Preparatory Chemistry (3 credits) Grade ≥C
- CHEM 121A General Chemistry I (3 credits) Grade ≥C
- CHEM 121L General Chemistry I lab (1 credit) Grade ≥C

**AP Chemistry Test score 3 or IB Chemistry Test score 5**

- Take only the lab at UNLV

**Fail the Chemistry Placement Exam**

- CHEM 121A General Chemistry I (3 credits) Grade ≥C
- CHEM 122A & 122L General Chemistry II (3 credits) Grade ≥C
- CHEM 122L General Chemistry II lab (1 credit) Grade ≥C

**AP Chemistry Test score 4 or IB Chemistry Test score 6-7**

- Take only the lab at UNLV

**BIOL 196 Modern Biology I Grade ≥C**

**AP Biology test - score 5**

- meet with your Academic Advisor

**BIOL 197 Modern Biology II Grade ≥C**
Earth & Environmental Science Sequence

MATH 126
Precalculus I
(3 credits)
Grade > C

MATH 127
Precalculus II
(3 credits)
Grade > C

PHYS 151
General Physics I
(4 credits)

CHEM 103
Preparatory Chemistry
(3 credits)
Grade > C

CHEM 121A
General Chemistry I
(3 credits)
Grade > C

CHEM 121L
General Chemistry II lab
(1 credit)
Grade > C

CHEM 121A
General Chemistry I
(3 credits)
Grade > C

CHEM 121L
General Chemistry II lab
(1 credit)
Grade > C

GEOL 220
Mineralogy
(4 credits)

GEOL 100
100-level
(3-4 credits)
GEOL 100 or
GEOL 101 or
GEOG 103

GEOL 102
Earth & Life Through Time
(4 credits)

GEOL 335
Earth Resources & the Environment
(3 credits)

Fail the Chemistry Placement Exam

Pass the Chemistry Placement Exam

AP Chemistry Test score 3 or
IB Chemistry Test score 5
Take only the lab at UNLV

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Geology Sequence

MATH 126 Precalculus I (3 credits) Grade >C
MATH 127 Precalculus II (3 credits) Grade >C
MATH 181 Calculus I (4 credits) Grade >C
MATH 182 Calculus II (4 credits) Grade >C

Select 1 of these 3

PHYS 151 General Physics I (4 credits) Grade >C
PHYS 180 Engineering Physics I lec (3 credits) Grade >C
PHYS 180L Engineering Physics I lab (1 credit) Grade >C

CHEM 121A General Chemistry I (4 credits) Grade >C
CHEM 122A General Chemistry II (3 credits) Grade >C
CHEM 122L General Chemistry II lab (1 credit) Grade >C

CHEM 103 Preparatory Chemistry (3 credits) Grade >C
CHEM 121L General Chemistry I lab (1 credit) Grade >C
CHEM 122L General Chemistry II lab (1 credit) Grade >C

GEOL 101 Exploring Planet Earth (4 credits)
GEOL 102 Earth & Life Through Time (4 credits)
GEOL 333 Principles of Geomorphology (4 credits)
GEOL 220 Mineralogy (4 credits)

STAT 152 - Introduction to Statistics (3 credits) Grade >C
STAT 491 - Statistics for Scientists I (3 credits) Grade >C

CHEM 121A General Chemistry I (3 credits) Grade >C

AP Chemistry Test score 3 or IB Chemistry Test score 5 Take only the lab at UNLV

Pass the Chemistry Placement Exam

Fail the Chemistry Placement Exam

Talk to your Geoscience Faculty advisor about choice of physics