

STUDENT NAME/SID:

EXPECTED GRADUATION DATE:

**BREADTH REQUIREMENTS: Breadth Course Offerings**

**ENGLISH (12 units) - Grade of "C" or better is required**

Course Name	Units	Grade
ENGL001A	4	
ENGL001B	4	
ENGL 001C	4	

**HUMANITIES (12 units)**

One (1) course from: World History 10, 15, or 20

	4	
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One (1) course in: fine arts (art, art history, creative writing, dance, music, theater) literature, philosophy, religious studies

	4	
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One (1) additional 4-unit course from the subjects listed above

**SOCIAL SCIENCES (12 units)**

One (1) course in: economics, political science

	4	
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One (1) course in: anthropology, psychology, sociology

	4	
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One (1) additional 4-unit course from courses listed above

	4	
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**ETHNIC STUDIES (4 units)**

May count towards add'l humanities or add'l social sciences, but not both

	4	
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**BIOLOGICAL SCIENCES (4 units)**

	4	
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**MATHEMATICS (4 units)**

	4	
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**PHYSICAL SCIENCE (4 units)**

	4	
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Two (2) additional 4-unit courses from math, biological sciences or physical science

	4	
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	4	
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**EARTH SCIENCES MAJOR - B.S. Degree**

**FALL 2017 & 2018 CATALOGS**

Must pass all GEO courses in the major and prerequisite to courses in the major with at least "C" before advancing in the sequence.

**EARTH SCIENCES Core Requirements**

Lower Division 48-53 units

+5 Additional Lower Division Units

Course Name	Units	Grade
GEO 001	4	
GEO 002 or 009 or 011	4	
GEO 003/BIOL 010	4	
Must take one (1) from the following:		
GEO 004 or	4	
GEO 007 or	4	
GEO 008 or	4	
GEO 010 or	4	
GEO 012	4	
BIOL 005A & 05LA/020	5/6	
CHEM 001A/01LA	5	
CHEM 001B/01LB	5	
CHEM 001C/01LC	5	
MATH 009A	4	
MATH 009B	4	
MATH 046	4	
Must take one (1) PHYS Series from below:		
PHYS 040A	5	
PHYS 040B	5	
or		
PHYS 002A & 02LA	5	
PHYS 002B & 02LB	5	
<i>PHYS 040C or PHYS 002C and 02LC is recommended for Geophysics electives. For Geochemistry electives, take CHEM 001C &amp; 01LC.</i>		

Course Name	Units	Grade
GEO 160	4	
GEO 161	4	
Three (3) classes chosen from the following:		
GEO 136	4	
GEO 137	4	
GEO 162	4	
ENSC 102	4	
Three (3) additional classes chosen from:		
GEO 100	5	
GEO 101	5	
GEO 116	5	
GEO 118	5	
GEO 122	5	
GEO 132	4	
GEO 136	4	
GEO 137	4	
GEO 140	4	
GEO 144	4	
GEO 145	4	
GEO 147	4	
GEO 151	4	
GEO 152/BIOL 152	4	
GEO 162	4	
GEO 169	4	
STAT 100A	5	
STAT 100B	5	

**CLIMATE CHANGE CONCENTRATION**

Upper-Division Coursework 32-35 units

**Earth Sciences Core Requirements**

Upper Division 13 units

GEO 111	4	
GEO 115	5	
GEO 157	4	

Refer to your university catalog year and degree audit for specific course listings and all major requirements.



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ENGL001B	4	
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One (1) course in: fine arts (art, art history, creative writing, dance, music, theater) literature, philosophy, religious studies

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One (1) additional 4-unit course from the subjects listed above

**SOCIAL SCIENCES (12 units)**

One (1) course in: economics, political science

	4	
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One (1) course in: anthropology, psychology, sociology

	4	
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One (1) additional 4-unit course from courses listed above

	4	
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**ETHNIC STUDIES (4 units)**

May count towards add'l humanities or add'l social sciences, but not both

	4	
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**BIOLOGICAL SCIENCES (4 units)**

	4	
--	---	--

**MATHEMATICS (4 units)**

	4	
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**PHYSICAL SCIENCE (4 units)**

	4	
--	---	--

Two (2) additional 4-unit courses from math, biological sciences or physical science

	4	
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	4	
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**EARTH SCIENCES MAJOR - B.S. Degree**

**FALL 2017 & 2018 CATALOGS**

Must pass all GEO courses in the major and prerequisite to courses in the major with at least "C-" before advancing in the sequence.

**EARTH SCIENCES Core Requirements**

Lower Division 48-53 units

+8 Additional Lower Division Units

Course Name	Units	Grade
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GEO 001	4	
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GEO 002 or 009 or 011	4	
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GEO 003/BIOL 010	4	
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Must take one (1) from the following:

GEO 004 or	4	
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GEO 007 or	4	
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GEO 008 or	4	
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GEO 010 or	4	
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GEO 012	4	
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BIOL 005A & 05LA/020	5	
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BIOL 005B	4	
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BIOL 005C	4	
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CHEM 001A/01LA	5	
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CHEM 001B/01LB	5	
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MATH 009A	4	
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MATH 009B	4	
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MATH 046	4	
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Must take one (1) PHYS Series from below:

PHYS 040A	5	
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PHYS 040B	5	
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or

PHYS 002A & 02LA	5	
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PHYS 002B & 02LB	5	
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*PHYS 040C or PHYS 002C and 02LC is recommended for Geophysics electives. For Geochemistry electives, take CHEM 001C & 01LC.*

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**Earth Sciences Core Requirements**

Upper Division 13 units

GEO 111	4	
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GEO 115	5	
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GEO 157	4	
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**GEOBIOLOGY CONCENTRATION**

Upper Division Coursework 32-35 units

Course Name	Units	Grade
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GEO 151	4	
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GEO 152/BIOL152	4	
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Three (3) classes chosen from the following:

GEO 136	4	
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GEO 137	4	
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GEO 161	4	
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GEO 169	4	
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ENTM/BPSC/BIOL 112	4	
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BIOL 151	4	
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Three (3) additional classes chosen from:

GEO 100	5	
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GEO 101	5	
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GEO 116	5	
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GEO 118	5	
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GEO 122	5	
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GEO 132	4	
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GEO 136	4	
---------	---	--

GEO 137	4	
---------	---	--

GEO 140	4	
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GEO 144	4	
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GEO 145	4	
---------	---	--

GEO 147	4	
---------	---	--

GEO 160	4	
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GEO 161	4	
---------	---	--

GEO 162	4	
---------	---	--

GEO 169	4	
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STAT 100A	5	
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STAT 100B	5	
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Refer to your university catalog year and degree audit for specific course listings and all major requirements.



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ENGL001A	4	
ENGL001B	4	
ENGL 001C	4	

**HUMANITIES (12 units)**

One (1) course from: World History 10, 15, or 20

4

One (1) course in: fine arts (art, art history, creative writing, dance, music, theater), literature, philosophy, religious studies

4

One (1) additional 4-unit course from the subjects listed above

**SOCIAL SCIENCES (12 units)**

One (1) course in: economics, political science

4

One (1) course in: anthropology, psychology, sociology

4

One (1) additional 4-unit course from courses listed above

4

**ETHNIC STUDIES (4 units)**

May count towards add'l humanities or add'l social sciences, but not both

4

**BIOLOGICAL SCIENCES (4 units)**

4

**MATHEMATICS (4 units)**

4

**PHYSICAL SCIENCE (4 units)**

4

Two (2) additional 4-unit courses from math, biological sciences or physical science

4

4

**EARTH SCIENCES MAJOR - B.S. Degree**

FALL 2017 & 2018 CATALOGS

Must pass all GEO courses in the major and prerequisite to courses in the major with at least "C-" before advancing in the sequence.

**EARTH SCIENCES Core Requirements**

Lower Division 48-53 units

+5 Additional Lower Division Units

Course Name	Units	Grade
GEO 001	4	
GEO 002 or 009 or 011	4	
GEO 003/BIOL 010	4	

Must take one (1) from the following:

GEO 004 or	4	
GEO 007 or	4	
GEO 008 or	4	
GEO 010 or	4	
GEO 012	4	
BIOL 005A & 05LA/020	5/6	
CHEM 001A/01LA	5	
CHEM 001B/01LB	4	
MATH 009A	4	
MATH 009B	4	
MATH 046	4	

Must take one (1) PHYS Series from below:

PHYS 040A	5	
PHYS 040B	5	
PHYS 040C	5	
or		
PHYS 002A & 02LA	5	
PHYS 002B & 02LB	5	
PHYS 002C & 02LC	5	

**Earth Sciences Core**

Upper Division 13 units

GEO 111	4	
GEO 115	5	
GEO 157	4	

Refer to your university catalog year and degree audit for specific course listings and all major requirements.

**GEOPHYSICS CONCENTRATION**

Upper-Division Coursework 33 -37 units

Course Name	Units	Grade
GEO 140	4	
GEO 145	4	

Three (3) classes chosen from the following:

GEO 116	5	
GEO 118	5	
GEO 144	4	
GEO 147	4	

Three (3) additional classes chosen from:

GEO 100	5	
GEO 101	5	
GEO 116	5	
GEO 118	5	
GEO 122	5	
GEO 132	4	
GEO 136	4	
GEO 137	4	
GEO 144	4	
GEO 147	4	
GEO 151	4	
GEO 152/ BIOL 152	4	
GEO 160	4	
GEO 161	4	
GEO 162	4	
GEO 169	4	
STAT 100A	5	
STAT 100B	5	

Students interested in pursuing professional licensure through the California Geologist in Training (GIT) exam are advised to take the Geology major



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ENGL001A	4	
ENGL001B	4	
ENGL 001C	4	

**HUMANITIES (12 units)**

One (1) course from: World History 10, 15, or 20

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One (1) course in: fine arts (art, art history, creative writing, dance, music, theater) literature, philosophy, religious studies

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One (1) additional 4-unit course from the subjects listed above

**SOCIAL SCIENCES (12 units)**

One (1) course in: economics, political science

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One (1) course in: anthropology, psychology, sociology

	4	
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One (1) additional 4-unit course from courses listed above

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**ETHNIC STUDIES (4 units)**

May count towards add'l humanities or add'l social sciences, but not both

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**BIOLOGICAL SCIENCES (4 units)**

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**MATHEMATICS (4 units)**

	4	
--	---	--

**PHYSICAL SCIENCE (4 units)**

	4	
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Two (2) additional 4-unit courses from math, biological sciences or physical science

	4	
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	4	
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**EARTH SCIENCES Core Requirements**

**Lower Division 48-53 units**

**Course Name**

**Units**

**Grade**

GEO 001

4

GEO 002 or 009 or 011

4

GEO 003/BIOL 010

4

Must take one (1) from the following:

GEO 004 or

4

GEO 007 or

4

GEO 008 or

4

GEO 010 or

4

GEO 012

4

BIOL 005A & 05LA/020

5/6

CHEM 001A/01LA

5

CHEM 001B/01LB

5

CHEM 001C/01LC

5

MATH 009A

4

MATH 009B

4

MATH 046

4

Must take one (1) PHYS Series from below:

PHYS 040A

5

PHYS 040B

5

or

PHYS 002A & 02LA

5

PHYS 002B & 02LB

5

*PHYS 040C or PHYS 002C and 02LC is recommended for Geophysics electives. For Geochemistry electives, take CHEM 001C & 01LC.*

**GEOSYSTEMS CONCENTRATION**

**Upper-Division Coursework 34-40 units**

**Course Name**

**Units**

**Grade**

GEO 101

5

GEO 118

5

Three (3) classes chosen from the following:

GEO 100

5

GEO 116

5

GEO 122

5

GEO 132

4

GEO 151 or GEO/BIOL 152

4

GEO 152

4

GEO 162

4

Three (3) additional classes chosen from:

GEO 100

5

GEO 116

5

GEO 122

5

GEO 132

4

GEO 136

4

GEO 137

4

GEO 138

4

GEO 140

4

GEO 144

4

GEO 145

4

GEO 147

4

GEO 151 or GEO/BIOL 152

4

GEO 160

4

GEO 161

4

GEO 162

4

GEO 169

4

**Earth Sciences Core Requirements**

**Upper Division 13 units**

GEO 111

4

GEO 115

5

GEO 157

4

Refer to your university catalog year and degree audit for specific course listings and all major requirements.

