

General Studies, Emphasis in Natural Sciences AA Coursework Roadmap

This degree is a general education degree with an emphasis in Natural Sciences. If you know your major, this coursework roadmap is not for you. Please see a counselor to select the right coursework roadmap for you.

Instructions:
 This degree combines general education, a selection of 18 units from the required courses table, and elective courses numbered 50-399.

1. Take COLSK 100 or any MJC GE: Area E course.
2. Take GUIDE 111 or any Guidance course.
3. Pick one course from MJC GE: Area A from the Natural Sciences required course table.
4. Pick one course from MJC GE: Area C.
5. Take ENGL 100 or 101.
6. Pick one course from the first discipline from the Natural Sciences required course table.
7. Pick one course from MJC GE: Area B.
8. Pick one course from the second discipline from the Natural Sciences required course table.
9. Pick a second course from the first discipline you chose from the Natural Sciences required course table.
10. Pick a second course from the second discipline you chose from the Natural Sciences required course table.

Course Selections:	Units	Term
1. COLSK 100 or _____	<u>3</u>	_____
2. GUIDE 111 or _____	<u>3</u>	_____
3. _____ <i>General education selection</i>	<u>3</u>	_____
4. _____ <i>General education selection</i>	<u>3</u>	_____
5. ENGL 100 or 101	<u>3 or 5</u>	_____
6. _____ <i>Discipline 1, first class</i>	<u>3</u>	_____
7. _____ <i>General education selection</i>	<u>3</u>	_____
8. _____ <i>Discipline 1, second class</i>	<u>3</u>	_____
9. _____ <i>Discipline 2, first class</i>	<u>3</u>	_____
10. _____ <i>Discipline 2, second class</i>	<u>3</u>	_____

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Natural Sciences Required Courses Table

Select a minimum of 18 units. Of those 18 units, select two disciplines, and complete 6 units in those disciplines from this table. Then select 6 more units. These 18 units cannot be double-counted as general education courses.

Course # Course Title

ANATOMY

ANAT 125 Human Anatomy (4)

ANIMAL SCIENCE

ANSC 200 Introduction to Animal Science (3)

ANTHROPOLOGY

ANTHR 101 Biological Anthropology (3)

ANTHR 105 Biological Anthropology Laboratory (1)

ANATOMY & PHYSIOLOGY

AP 50 Elementary Human Anatomy-Physiology (3)

ANSTRONOMY

ASTRO 151 Introduction to Astrophysics Lab (3)

ASTRO 160 Introduction to Modern Astronomy (3)

BIOLOGY

BIO 101 Biological Principles (4)

BIO 111 General Biology (4)

BIO 114 General Ecology (4)

BIO 115 Genetics, Evolution, and Society (3)

BIO 116 Biology: A Human Perspective (4)

BIO 140 Introduction to Marine Biology (4)

BIO 145 Introduction to Freshwater Biology (4)

BOTANY

BOT 101 General Botany (4)

CHEMISTRY

CHEM 101 General Chemistry 1 (5)

CHEM 102 General Chemistry 2 (5)

CHEM 112 Organic Chemistry 1 (5)

CHEM 113 Organic Chemistry 2 (5)

CHEM 122 Structure & React: Organic Chemistry 1 (4)

CHEM 123 Structure & React: Organic Chemistry 2 (4)

Natural Sciences Required Courses Table Continued

Course # Course Title

CHEMISTRY CONTINUED

CHEM 142 Pre-General Chemistry (3)

CHEM 143 Introductory College Chemistry (4)

CHEM 144 Fundamentals of Organic & Biochemistry (4)

CHEM 150 Exploring Our Chemical Environment (3)

CHEM 164 Introductory Chemistry Laboratory (2)

EARTH SCIENCE

EASCI 161 Earth Science (4)

EASCI 162 Introduction to Oceanography (4)

ELETRONICS TECHNOLOGY

ELTEC 208 Fundamentals of Electricity and Electronics (3)

ENVIRONMENTAL SCIENCES

ENSCI 108 Environmental Conservation (3)

FOOD AND NUTRITIAN

FDNTR 219 Introduction to Nutrition Science (3)

GEOGRAPHY

GEOG 101 Physical Geography (3)

GEOG 111 Physical Geography, Lab (1)

GEOLOGY

GEOL 160 Introduction to Geology (3)

GEOL 161 Physical Geology (4)

GEOL 165 Geology of California (3)

GEOL 166 Historical Geology (4)

METEOROLOGY

METEO 161 Introduction to Meteorology (4)

MICROBIOLOGY

MICRO 101 Microbiology (4)

MICRO 111 Plagues of Humankind (3)

NATURAL RESOURCES

NR 200 Soils (3)

PHYSICAL EDUCATION

PE 124 Introduction to Kinesiology (3)

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Natural Sciences Required Courses Table

Course # Course Title

PHYSICAL SCIENCE

PHSCI 52	The Way Things Work (3)
PHSCI 180	Concept Phys Sci: A Hands-On Approach (4)

PHYSICS

PHYS 101	General Physics: Mechanics (4)
PHYS 102	General Physics: Waves, Thermodynamics & Optics (4)
PHYS 103	General Physics: Electricity, Magnetism & Modern Physics (4)
PHYS 142	Mechanics, Heat & Waves (4)
PHYS 143	Electricity, Magnetism, Optics, Atomic and Nuclear Structure (4)
PHYS 160	Descriptive Introduction to Physics (3)
PHYS 165	Introductory Physics (4)
PHYS 180	Conceptual Physics: A Hands-on Approach (4)

PHYSIOLOGY

PHYSO 101	Introductory Human Physiology (4)
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PLANT SCIENCE

PLSC 200	Introduction to Plant Science (3)
PLSC 230	Fruit Science (3)

PSYCHOLOGY

PSYCH 103	Introduction to Neuroscience (3)
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ZOOLOGY

ZOOL 101	General Zoology (4)
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Instructions:
 Continue to work with a counselor to make sure that your choices work for all of your intended transfer institutions.

11. Take MJC an Activities course(s) for 2 or more units.
12. Take your highest MATH placement, MATH 90, MATH 111 (maybe with MATH 33), MATH 134 (maybe with MATH 34), PSYCH 121, or MATH 101 (maybe with MATH 33),
13. Pick one course from Natural Sciences required course table that you have not already selected.
14. Pick one course from Natural Sciences required course table that you have not already selected.
- 15+. Take elective courses numbered 50-399 until you reach 60 units.

Course Selections:	Units	Term
11. _____ <i>Activities selection (s)</i>	<u>2-3</u>	_____
12. MATH 89 or MATH 90 or MATH 111 or MATH 134 or PSYCH 121 or MATH 101	<u>3-6</u>	_____
13. _____ <i>Natural Sciences required course table</i>	<u>3</u>	_____
14. _____ <i>Natural Sciences required course table</i>	<u>3</u>	_____
15. _____ <i>Elective selections</i>	<u>3</u>	_____
Expected Term of Graduation	_____	_____