

GENERAL EDUCATION

COLLEGE OF MARIN'S COMMITMENT TO AN EXCELLENT EDUCATIONAL FOUNDATION

Students come to College of Marin to achieve a wide variety of goals, including obtaining foundational skills in Math, English and ESL, Career or Technical training, an A.A. or A.S. degree, and transfer, as well as for lifelong learning and cultural enrichment. No matter what a student's reasons are, the college is committed to the educational growth of all undergraduates and the development of the following academic skills that allow students to pursue any major:

Written, Oral and Visual Communication

Communicate effectively in writing, orally and/or visually using traditional and/or modern information resources and supporting technology.

Scientific and Quantitative Reasoning

Locate, identify, collect, and organize data in order to then analyze, interpret or evaluate it using mathematical skills and/or the scientific method.

Critical Thinking

Differentiate between facts, influences, opinions, and assumptions to reach reasoned and supportable conclusions.

Problem Solving

Recognize and identify the components of a problem or issue, look at it from multiple perspectives and investigate ways to resolve it.

Information Literacy

Formulate strategies to locate, evaluate and apply information from a variety of sources - print and/or electronic.

COLLEGE OF MARIN GENERAL EDUCATION STATEMENT OF PURPOSE

While college students choose a specific field of study, part of their educational experience and requirements include a program of general education. This well-rounded, student-driven educational package is intended to be complementary to, but different in emphasis from, the specialized education received for a job or a profession, or from focusing on a particular field of study. By completing a general education program, students expand their knowledge of the content and method-

ologies in a variety of disciplines. College of Marin expects students to:

- Become effective written, oral and visual communicators for many audiences;
- Be flexible, curious, and open to new experiences;
- Recognize how they connect to and affect their community and the world beyond;
- Enhance economic survival skills for the workplace and marketplace;
- Think critically, ethically, independently, and creatively about a variety of topics that will be useful to them in the real world and hone these thinking skills in a way which can be used throughout their life;
- See the interconnectedness of topics and use multiple disciplines to help achieve deeper understanding of past, present and future events at local, national and global levels;
- Become a more widely informed citizen who appreciates the importance of intellectual, scientific and artistic accomplishments;
- Engage in healthful living and wellness physically, intellectually, emotionally and socially.

COLLEGE OF MARIN GENERAL EDUCATION OUTCOMES

A. NATURAL SCIENCES

These courses examine the physical universe, its life forms and natural phenomena and enable students to develop a greater appreciation of the world around them. Through exposure to the broad range of sciences—physical science, biological science, and earth science—students learn how to acquire scientific information to develop their understanding of the nature of science and the relationship between humans and the natural world.

In the courses listed for this area, students learn to:

- Apply the scientific method to explore physical and biological phenomena, including observation, hypothesis development, measurement, data collection, experimentation and analysis.
- Articulate core concepts in a biological or physical science discipline.

B. SOCIAL AND BEHAVIORAL SCIENCE

These courses examine people as members of society by exploring the diversity in peoples, cultures, politics, histories, and the complex forces that influence individuals and groups as well as shape and change human societies. These courses teach students how to evaluate these concepts through scientific and social inquiry.

In the courses listed for this area, students learn to:

- Apply the approaches social and behavioral scientists use to explore social phenomena and human behavior, including observation, hypothesis development, measurement, data collection, experimentation, evaluation of evidence, and analysis.
- Analyze and articulate core concepts in a specific social or behavioral science discipline.

C. ARTS AND HUMANITIES

The arts and humanities study human culture, creativity, and thought in all its forms, including significant works of art, literature, performance, language, and philosophy from around the world. An arts and humanities education may also include creating aesthetic works to develop a broader contextual understanding of the arts.

In the courses listed for this area, students learn to:

- Recognize, analyze, and reflect on significant cultural works.
- Foster a greater understanding of aesthetic, intellectual, linguistic, political, and religious dimensions of various cultures.

D. WRITTEN COMPOSITION

The study of written composition helps students build the skills and strategies necessary to read and write at the college level and in everyday life.

In the courses listed for this area, students learn to:

- Communicate complex ideas to a variety of audiences through clear and effective writing.
- Support one's ideas with compelling, logical, and credible evidence and analysis from readings and research.
- Develop a successful writing process adaptable to diverse writing situations.
- Document sources appropriately to build credibility as a scholar.

E. COMMUNICATION AND ANALYTICAL THINKING

These courses promote advanced level communication and analytical thinking through writing, speech, logic, and/or quantitative problem solving. These critical thinking skills are applicable throughout one's academic, professional, and personal experiences.

In the courses listed for this area, students learn to:

- Evaluate information critically and express concepts and reasoning clearly.
- Build clear and logical arguments to support or refute hypotheses.
- Develop and apply analytical and reasoning skills to define, plan and solve complex problems.

F. AMERICAN INSTITUTIONS

These courses build a foundation necessary for being an engaged citizen. Assignments ask students to think critically, ethically, independently, and creatively about American society.

In the courses listed for this area, students learn to:

- Explore the history and evolution of the core concepts in American social, political and economic institutions.
- Articulate how individuals connect to and affect their community, state, nation and the world.

G. CROSS-CULTURAL STUDIES

These courses develop a political and historical understanding of the experiences of ethnic and racial groups in America. Students interpret historical events from the perspectives of these groups. Students may also use interdisciplinary concepts to explore the diversity of visual and performing arts, the literary creative process, and literary tools and techniques among ethnic groups with shared cultural histories, languages, and traditions.

In the courses listed for this area, students learn to:

- Analyze and evaluate the organizations, movements, and roles of a broad range of ethnic and racial groups in America.
- Evaluate misconceptions and stereotypes about cultural groups in America and recognize the influence of their own cultural group.

H. PHYSICAL ACTIVITY

Students taking these Dance or Kinesiology activity courses gain fitness and wellness benefits from cardiorespiratory strength, muscular strength, and endurance training.

In the courses listed for this area, students learn to:

- Implement a cardiorespiratory, muscular strength and endurance plan compatible with their goals and lifestyle.
- Identify how much and the types of physical activity one should do for optimal health and wellness.

GENERAL EDUCATION COURSES

One course from each category required for graduation (20 units minimum).

A. NATURAL SCIENCES

Select one course from the following. (Three units minimum)

ANTH 101 - Intro to Physical/Biological Anthropology
 ANTH 101L - Physical/Biological Anthropology Lab
 ASTR 101 - Intro to Astronomy
 ASTR 117L - Intro to Astronomy Lab
 BIOL 100 - Nutrition
 BIOL 101 - Field Biology
 BIOL 107/KIN 107 - Human Biology*
 BIOL 108A - Human Sexuality
 BIOL 109 - Heredity and Evolution
 BIOL 110 - Intro to Biology
 BIOL 110L - Intro to Biology Lab
 BIOL 112A - Majors' Biology I: Animals
 BIOL 112B - Majors' Biology II: Plants
 BIOL 112C - Majors' Biology III: Molecules
 BIOL 113 - Intro to Biotechnology
 BIOL 120 - Human Anatomy
 BIOL/ENVS138 - Intro to Environmental Sciences*
 BIOL/ENVS/GEOG 141 - Global Climate Change*
 BIOL 159 - Introduction to Aquatic Biology
 BIOL/ELND 160 - Soil: Ecology and Management*
 BIOL 162 - General Ecology
 BIOL 169A - Intro to Ornithology A
 BIOL 169B - Intro to Ornithology B
 BIOL 224 - Human Physiology
 BIOL 235 - General Marine Biology
 BIOL 240 - Microbiology
 CHEM 105 - Chemistry in the Human Environment
 CHEM 105L - Chemistry in the Human Environment Lab
 CHEM 110 - Chemistry for Allied Health Sciences
 CHEM 114 - Intro to Chemistry
 CHEM 115 - Survey of Organic/Biochemistry
 CHEM 131 - General Chemistry I
 CHEM 132 - General Chemistry II
 CHEM 132E - General Chemistry II, Lecture Only
 CHEM 231 - Organic Chemistry I

CHEM 232 - Organic Chemistry II
 CHEM 232E - Organic Chemistry II, Lecture Only
 ELND/BIOL 160 - Soil: Ecology and Management*
 ENVS/BIOL 138 - Intro to Environmental Sciences*
 ENVS/BIOL/GEOG 141 - Global Climate Change*
 GEOG 101 - The Physical Environment
 GEOG 101L - Physical Environment Lab
 GEOG 109 - Geography of California
 GEOG 112 - Meteorology and Climatology
 GEOG/BIOL/ENVS 141 - Global Climate Change*
 GEOL 103 - Environmental Geology
 GEOL 109 - General Oceanography
 GEOL 110 - Earth Science
 GEOL 114 - Geology of California
 GEOL 120 - Physical Geology
 GEOL 120L - Physical Geology Lab
 GEOL 121 - Historical Geology
 GEOL 201 - Elementary Mineralogy
 KIN 107/BIOL 107 - Human Biology*
 PHYS 108A - General Physics I
 PHYS 108AC - General Physics I, Calculus Supplement
 PHYS 108B - General Physics II
 PHYS 108BC - General Physics II, Calculus Supplement
 PHYS 110 - Introductory Physics
 PHYS 110L - Conceptual Physics Lab
 PHYS 207A - Mechanics and Properties of Matter
 PHYS 207B - Electricity and Magnetism

B. SOCIAL AND BEHAVIORAL SCIENCE

Select one course from the following. (Three units minimum)

AJ 204 - Crime and Delinquency
 ANTH 102 - Intro to Cultural Anthropology
 ANTH 103 - Globalization/Peoples/Cultures of the World
 ANTH 104 - Intro to Linguistic Anthropology
 ANTH 110 - Intro to Archeology and Prehistory
 ANTH 204 - Native American Cultures
 ANTH/BEHS/PSY/SOC 205 - Intro to Research Methods*
 ANTH 208 - Magic, Folklore, and Healing
 ANTH 215 - Native Americans of California
 ASL 110 - History/Culture of Deaf People in America
 BEHS 103 - Human Sexuality
 BEHS 114 - Chemical Dependency
 BEHS/SOC 130 - Race and Ethnicity*
 BEHS/ANTH/PSY/SOC 205 - Intro to Research Methods*
 BIOL 251/PSY 251 - Biological Psychology*
 BUS 101 - Intro to Business
 COMM 110 - Intro to Mass Communication
 COMM 160 - Race, Gender and Class in the Media
 ECE 110 - Child Development
 ECE 112 - Child, Family and Community
 ECON 101 - Macroeconomics
 ECON 102 - Microeconomics
 ECON 120 - Intro to Environmental Economics
 ETST 110 - Intro to Ethnic Studies