

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

ETST 111 - History of African Americans A
 ETST 112 - History of African Americans B
 ETST 121 - History of Latinos in the US
 ETST 151 - Native American History
 ETST 154 - Native American Literature
 GEOG 102 - The Human Environment
 GEOG 109 - Geography of California
 HIST 100 - Major Trends/American History
 HIST 101 - World History I
 HIST 102 - World History II
 HIST 103 - Science, Technology and Civilization
 HIST 109 - History of California
 HIST 110 - Western Civilization I
 HIST 111 - Western Civilization II
 HIST 112 - Western Civilization III
 HIST 117 - History of the US I
 HIST 118 - History of the US II
 HIST 206 - History of Russia
 HIST/POLS 211 - Women/American History/Politics*
 HIST/POLS 212 - History/Politics of Modern Asia*
 HIST 214 - History of Latin America
 HIST 216 - History of Mexico
 HIST 238 - History of Africa
 POLS 100 - American Political Institutions
 POLS 101 - Intro to the Government of the US
 POLS 102 - Comparative Political Systems
 POLS 103 - Political Theory
 POLS 104 - International Relations
 POLS 201 - Understanding Globalization
 POLS 203 - Understanding Terrorism
 POLS 210 - War, Peace and the United Nations
 POLS/HIST 211 - Women/American History/Politics*
 POLS/HIST 212 - History/Politics of Modern Asia*
 POLS 219 - Politics of the US Presidency
 POLS 220 - American Foreign Policy
 PSY 110 - Intro to Psychology
 PSY 111 - Personality Dynamics and Effective Behavior
 PSY 112 - Child and Adolescent Psychology
 PSY 114 - Psychology of Human Development/Lifespan
 PSY 116 - Theories of Personality
 PSY/SOC 140 - Family and Intimate Relationships*
 PSY 145 - Psychology in Modern Life
 PSY 204 - Abnormal Psychology
 PSY/ANTH/BEHS/SOC 205 - Intro to Research Methods*
 PSY/SOC 230 - Social Psychology*
 PSY/BIOL 251 - Biological Psychology*
 SOC 110 - Intro to Sociology
 SOC 112 - Modern Social Problems
 SOC 114 - Global Social Issues
 SOC/BEHS 130 - Race and Ethnicity*
 SOC/PSY 140 - Family and Intimate Relationships*
 SOC/ANTH/BEHS/PSY 205 - Intro to Research Methods*
 SOC/PSY 230 - Social Psychology*
 SPCH 128 - Intercultural Communication

C. HUMANITIES

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

ARCH 100 - History of Architecture I
 ARCH 101 - History of Architecture II
 ARCH 102 - History of Architecture III
 ART 101 - History of Ancient Art
 ART 102 - History of European Art
 ART 103 - History of Modern Art
 ART 104 - History of Asian Art
 ART 105 - History of Contemporary Art
 ART 106 - History of Women Artists
 ART 107 - History of American Art
 ART/ETST/HUM 108 - Arts of the Americas*
 ART 110 - History of Islamic Art
 ART 112 - 2-D Art Fundamentals
 ART 113 - 3-D Art Fundamentals
 ART 114 - Interior Design I
 ART 116 - Jewelry Design I
 ART 118 - Gallery Design/Management I
 ART 130 - Drawing & Composition I
 ART 134 - Life Drawing I
 ART 140 - Painting I
 ART 144 - Watercolor I
 ART 146 - Life Painting I
 ART 148 - Color Theory
 ART 152 - Printmaking I
 ART 165 - Fiber Sculpture I
 ART 170 - Ceramics I
 ART 180 - Sculpture I
 ART 185 - Life Sculpture I
 ART 190 - Black & White Photography I
 ASL 101 - Elementary Sign Language I
 ASL 102 - Elementary Sign Language II
 ASL 110 - History /Culture of Deaf People in America
 ASL 203 - Intermediate Sign Language III
 ASL 204 - Intermediate Sign Language IV
 BIOL/GEOL 145 - Ethics in Science*
 CHIN 101 - Elementary Chinese Mandarin I
 CHIN 102 - Elementary Chinese Mandarin II
 DANC 108 - Dance History
 DRAM 110 - Intro to the Theatre
 DRAM 116 - Survey Dramatic Lit: Ancient Greek/Present
 DRAM 117 - Survey Dramatic Lit: Shakespeare
 DRAM 150 - Intro to Stagecraft
 ENGL 151 - Reading and Composition IB
 ENGL 202 - Creative Writing I
 ENGL 203 - Creative Writing II
 ENGL 208 - Short Fiction
 ENGL 212 - Intro to Poetry
 ENGL 214 - The Popular Novel
 ENGL 218 - The American Short Story
 ENGL 219 - Voices and Visions
 ENGL 220 - Detective Fiction
 ENGL 221A - Survey of American Literature I

ENGL 221B - Survey of American Literature II
 ENGL 222 - Survey of English Literature I
 ENGL 223 - Survey of English Literature II
 ENGL 224 - Survey of World Literature I
 ENGL 225 - Survey of World Literature II
 ENGL 230 - Survey of Shakespeare
 ENGL 235 - Women in Literature
 ENGL 237 - Literature of American Cultures
 ENGL 240 - Classic Children's Literature
 ENGL/HUM 242 - Global Writings*
 ETST/ART/HUM 108 - Arts of the Americas
 ETST 154 - Native American Literature
 FILM/HUM 109A - History of Film: Beginning to 1950*
 FILM/HUM 109B - Analysis/History/Contemp. Media*
 FREN 101 - Elementary French I
 FREN 102 - Elementary French II
 FREN 108A /B - French Culture/Lit/Cinema
 FREN 203 - Intermediate French III
 FREN 204 - Intermediate French IV
 FREN 225 - Advanced French I
 FREN 226 - Advanced French II
 GEOL/BIOL 145 - Ethics in Science*
 HIST 110 - Western Civilization I
 HIST 111 - Western Civilization II
 HIST 112 - Western Civilization III
 HIST/POLS 212 - History/Politics of Modern Asia*
 HUM 100A - Intro Humanities: Ancient Greece/Medieval
 HUM 100B - Intro Humanities: Renaissance/Modern
 HUM/ART/ETST 108 - History of Arts of the Americas*
 HUM/FILM 109A - History of Film: Beginning to 1950*
 HUM/FILM109B - Analysis/History/Contemp. Media*
 HUM 118 - Intro to World Religions
 HUM 125 - Myth, Symbol and the Arts
 HUM/ENGL 242 - Global Writings*
 ITAL 101 - Elementary Italian I
 ITAL 102 - Elementary Italian II
 ITAL 203 - Intermediate Italian III
 ITAL 204 - Intermediate Italian IV
 ITAL 225 - Advanced Italian I
 ITAL 226 - Advanced Italian II
 ITAL 228 - Italian Conversation/Culture Through Film
 JPNS 101 - Elementary Japanese I
 JPNS 102 - Elementary Japanese II
 JPNS 108 - Japanese Conversation through the Movies
 JPNS 203 - Intermediate Japanese III
 JPNS 204 - Intermediate Japanese IV
 JPNS 225 - Advanced Japanese I
 JPNS 226 - Advanced Japanese II
 MUS 101 - Intro to Classical Music
 MUS 102 - Music Masterworks
 MUS 105 - Rock, Pop and Jazz
 MUS 106 - Music Fundamentals
 MUS 108 - Intro to World Music
 MUS 109 - Music in Society
 PHIL 110 - Intro to Philosophy

PHIL 111 - Intro to Ethics
 PHIL 112 - Intro to Logic
 PHIL 115 - Hist./Philosophy: Ancient
 PHIL 116 - Hist./Philosophy: Medieval
 PHIL 117 - Hist./Philosophy: Late Modern/Contemporary
 PHIL 118 - Aesthetics
 POLS/HIST 212 - History/Politics of Modern Asia*
 SPAN 101 - Elementary Spanish I
 SPAN 102 - Elementary Spanish II
 SPAN 128A - Spanish Conv./Culture/Film
 SPAN 203 - Intermediate Spanish III
 SPAN 203HB - Interm. Spanish III/Heritage/Bilingual
 SPAN 204 - Intermediate Spanish IV
 SPAN 225 - Advanced Spanish I
 SPAN 226 - Advanced Spanish II
 SPAN 228C - Adv. Spanish Conv./Culture/Film
 SPAN 230A - Culture/Civilization/Spain/South America
 SPAN 230B - Culture/Civilization/Mexico/Central America
 SPAN 230C - Culture/Civilization of Spain
 SPCH 140 - Oral Interpretation of Literature I

D. COMPOSITION, WRITTEN

(Four units minimum)

ENGL 150 - Reading and Composition IA

E. COMMUNICATION AND ANALYTICAL THINKING

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

ANTH/BEHS/PSY/SOC 205 - Intro to Research Methods
 CIS 215 - Visual BASIC Programming
 COMP/MATH 117 - Discrete Mathematics*
 COMP 130 - Intro to Computer Programming Using C++
 COMP 135 - Intro to Programming in JAVA
 COMP 160 - Computer Organization/Assembly Language
 COMP 220 - Data Structures and Algorithms
 COMP 232 - Advanced Programming in JAVA
 COMP 235 - Advanced Programming in C++
 ENGL 151 - Reading and Composition IB
 ENGL 155 - Critical Thinking and Composition
 MATH 103 - Intermediate Algebra
 MATH 103A + 103B - Intermediate Algebra
 MATH 103X + 103Y - Intermediate Algebra
 MATH 104 - Plane Trigonometry
 MATH 105 - College Algebra
 MATH 109 - Pre-Calculus College Algebra/Trig.
 MATH 115 - Probability and Statistics
 MATH 116 - Linear Algebra
 MATH/COMP 117 - Discrete Mathematics*
 MATH 121 - Calculus I with Applications
 MATH 122 - Calculus II with Applications
 MATH 123 - Analytic Geometry and Calculus I
 MATH 124 - Analytic Geometry and Calculus II
 PHIL 112 - Intro to Logic
 SPCH 110 - Intro to Speech Communication
 SPCH 120 - Interpersonal Communication
 SPCH 122 - Public Speaking

SPCH 130 - Small Group Communication
 SPCH 132 - Argumentation and Persuasion
 STAT 106 - Statway II
 STAT 115 - Intro to Statistics

F. AMERICAN INSTITUTIONS

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

ETST 111 - History of African Americans A
 ETST 112 - History of African Americans B
 ETST 121 - History of Latinos in the US
 ETST 151 - Native American History
 HIST 100 - Major Trends/American History
 HIST 117 - History of the US I
 HIST 118 - History of the US II
 HIST/POLS 211 - Women/American History/Politics*
 POLS 100 - American Political Institutions
 POLS 101 - Intro to the Government of the US
 POLS/HIST 211 - Women/American History/Politics*

G. CROSS-CULTURAL STUDIES

Cross-cultural studies courses, which are listed in other general education categories, will satisfy both the Cross-Cultural Studies requirement and the requirement of one other category such as B, C, or F.

ANTH 204 - Native American Cultures
 ANTH 215 - Native Americans of California
 ART/ETST/HUM 108 - Arts of the Americas*
 ASL 110 - History/Culture/Deaf People in America
 COMM 160 - Race/Gender/Class in the Media
 ENGL 235 - Women in Literature
 ENGL 237 - Literature of American Cultures
 ETST/ART/HUM 108 - Arts of the Americas*
 ETST 110 - Intro to Ethnic Studies
 ETST 111 - History of African Americans A
 ETST 112 - History of African Americans B
 ETST 121 - History of Latinos in the US
 ETST 151 - Native American History
 ETST 154 - Native American Literature
 HIST 109 - History of California
 HIST/POLS 211 - Women/American History/Politics*
 HUM/ART/ETST 108 - Arts of the Americas*
 MUS 105 - Rock, Pop and Jazz
 POLS/HIST 211 - Women/American History/Politics*
 SPCH 128 - Intercultural Communication

H. PHYSICAL ACTIVITY

One unit minimum; select one course.

This requirement may be satisfied by any degree-applicable activity course in kinesiology or dance.

Note: When courses are cross-listed in more than one discipline, credit is awarded for only one course. For example, a student may receive credit for either COMP 117 or MATH 117, but not both courses. Cross-listed courses are indicated with an asterisk (*) in the listings above.

ASSOCIATE DEGREE PROGRAMS

ASSOCIATE IN ARTS AND ASSOCIATE IN SCIENCE

The College of Marin offers a variety of associate degree programs. A "Major" is required for either the AA or AS degree and is comprised of a concentration of courses (a minimum of 18 units). Students receiving an associate degree must complete a major as described under each discipline in Section Six of the catalog. Depending upon the goal, the attainment of the associate degree may fulfill all of the student's educational needs.

The associate degree in transfer majors is designed as a college/university parallel program for the first two years of a four-year Bachelor's program. The purpose of the transfer program is to prepare students for junior standing at a college or university that grants a bachelor's degree (BA, BS). The transfer major contains general and introductory or basic courses, which will be followed by advanced courses at the upper division level. Students who wish to follow a transfer pattern should carefully examine the requirements of the receiving institution.

The Associate in Science occupational degree programs, which require a minimum of 60 units, provide instruction in the skills and knowledge needed to enter or progress in an occupation. These programs are developed through the cooperation of advisory committees composed of representatives from specific occupational areas and the college. These advisory committees review course content and make recommendations to assure that the instruction and curriculum provide current skills.