Biology
Dr. Quinn Vega, Chair
vegaq@mail.montclair.edu
montclair.edu/csam/biology

Biology is the scientific study of life, encompassing living organisms and life processes from the molecular, through cells and individual organisms to populations and whole communities of plants and animals. Students are prepared for careers in industry or government, for graduate study and professional schools in health careers like dentistry, medicine and physical therapy.

Mathematical Sciences
Dr. Helen Roberts, Chair
robertsh@mail.montclair.edu
montclair.edu/csam/mathematical-sciences

Mathematics and physics train students in analytical thinking, critical thinking, modeling and quantitative skills sought by a wide range of employers. Graduates are employed in a variety of careers, including business, engineering, finance, government service, research and teaching, and are also prepared to deal with important societal issues.

Marine Biology and Coastal Sciences
Dr. Paul Bologna, Director
bolognap@mail.montclair.edu
montclair.edu/csam/marine-biology-coastal-sciences

Marine biology and coastal sciences examines the wide variety of ecosystems that are linked through water – including freshwater lakes and streams, estuaries and coastal marine habitats – that are critical for numerous plants and animals. Students learn to understand the relationships among plants, animals and humans, and how to protect and restore these critical marine and aquatic ecosystems. Career opportunities include environmental consulting, research, conservation, law and teaching.

Chemistry and Biochemistry
Dr. Johannes Schelvis, Chair
schelvis@mail.montclair.edu
montclair.edu/csam/chemistry-biochemistry

Chemistry and biochemistry, sometimes called the “central science,” study molecular scale interactions and connect other sciences, such as biology, physics, geology and environmental science, to each other. A bachelor’s-level education in chemistry provides excellent preparation for professional positions in industry, education, health careers like medicine or dentistry, public service and graduate school.

Computer Science
Dr. Constantine Coutras, Chair
coutrasc@mail.montclair.edu
montclair.edu/csam/computer-science

Computer Science and Information Technology are exciting, challenging fields with impacts in areas that include medicine, communications, security, law and business. The areas of specialization include computer vision, networking, database systems, computer-human interaction and numerical and symbolic computation. Computer science graduates are some of the most sought-after and earn among the highest salaries for new college graduates.

Earth and Environmental Studies
Dr. Stefanie Brachfeld, Chair
brachfelds@mail.montclair.edu
montclair.edu/csam/earth-environment-studies

Earth and Environmental Studies encompasses Geoscience, Geography, Environmental Studies and Sustainability Science. Our students are trained to investigate and understand the earth’s natural systems and human interactions with, and impacts on those systems. We integrate physical and social sciences, economics and business. Career opportunities include environmental consulting and geoengineering, climate change prediction and adaptation, natural hazard preparedness and mitigation, natural resource conservation and management, environmental law and policy and urban planning.