MARIST

MAJORS AND CONCENTRATIONS:

Athletic Training (B.S.)
Biochemistry (B.A.)
Biology (B.S.)

Biology Education (B.S.)
Biomedical Sciences (B.S.)
Chemistry (B.A. or B.S.)

Chemistry-Biochemistry Option (B.S.)
Environmental Science & Policy
Policy Concentration (B.S.)
Medical Technology (B.S.)

STUDENT & CLASS SIZES:
• About 450 students major in School of Science disciplines; they are served by 24 full-time faculty and 4 full-time staff members
• All science students can join any of our student organizations: Phi Delta Epsilon, a pre-health society; Sigma Zeta, the Science and Mathematics National Honor Society; the American Chemical Society-Student Affiliate; Students Encouraging Environmental Dedication; and the Marist College Athletic Training Club
• Very few introductory level lecture classes have more than 48 students, and introductory labs are limited to 24 students. Most upper level classes are smaller
• Many students work in our science facilities; several students conduct research with faculty mentors

SOME HIGHLIGHTS:
• Recently renovated (Fall 2007) chemistry facilities and a new (Fall 2008) Athletic Training Lab provide outstanding space for teaching, learning, and student-faculty research
• Special interest housing and academic programming for science majors continues in Champagnat Hall

STUDENT & ALUMNI SUCCESS:
• Since 1999, Marist students and alumni have enjoyed outstanding success at gaining admission to medical schools (72% success rate) and other health professional schools (78% success rate)
• Since 2006, three science majors have been selected as a Goldwater Scholar, the nation’s most prestigious award for undergraduate science majors, and two have been awarded National Science Foundation Graduate Research Fellowships as undergraduates
• Since 1982, 100% of Med Tech graduates gained employment in the field. Many are working at some of the top rated hospitals in the U.S., such as Johns Hopkins, Memorial Sloan-Kettering Cancer Center, and Massachusetts General
• Since 1999, over 100 different science students have presented results of their faculty-directed research projects at national and regional scientific conferences; Marist students regularly win awards for these presentations
• Recent student internships include those with the Cold Spring Harbor Laboratory, National Institutes of Health, Columbia University, Rutgers University, Harvard Medical School, and the Institute of Ecosystem Studies
• Recent grads are studying at Yale, Columbia, Cornell, Penn State, RPI, Stony Brook, and UNH, among other institutions

The following graduate and professional schools are a representative sample of programs at which Marist science alumni are currently pursuing or have recently received advanced degrees:

Weill-Cornell School of Medicine (Physician Assistant)
New York University (M.P.H., Global Public Health)
Duke Univ. School of Medicine (D.P.T. - Physical Therapy)
New York Institute of Technology (M.S., Physician Assistant)
New York Medical College (M.D.)
Duke University (M.S., Environmental Policy)
Tufts University School of Veterinary Medicine (D.V.M.)

SUNY-Stony Brook School of Dentistry (D.D.S.)
Yale Univ. (Ph.D., Chemistry)
SUNY Upstate Medical Center (M.D./Ph.D.)
Univ. of Notre Dame (Ph.D., Ecology)
SUNY-Downstate Medical Center (M.D.)
Cornell University (Ph.D., Environmental Toxicology)
Georgetown Medical College (M.D.)

The following represent a few of the sites where Marist science alumni are currently or recently employed:

Memorial Sloan-Kettering Cancer Center
New York State Dept. of Environmental Conservation
U.S. Environmental Protection Agency
Albany Molecular Research, Inc.
Wadsworth Research Center
University of Rhode Island
Westchester Medical Center

Dana Farber Cancer Center
Bayer Corporation
U.S. Food and Drug Administration
Yale Univ. School of Forestry & Environmental Studies
Washington Redskins
New York City Department of Environmental Protection

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DISTINCT FEATURES OF OUR PROGRAMS:

**Athletic Training** Dr. Mike Powers, Chair and Program Director, (845) 575-3912
- Our program is fully and unconditionally accredited by the Commission on Accreditation of Athletic Training Education (CAATE), and is approved by New York State as a licensure-qualifying degree program
- Provides strong scientific foundation via coursework, and solid practical experience via required internships
- Clinical experiences via internships at high schools, colleges, sports medicine and therapy clinics, and with physicians make our students well-qualified for positions in athletic training or advanced PT and PA degrees
- After passing the national certifying exam, graduates will be qualified for positions in high schools, colleges and universities, medical clinics and hospitals, pro sports organizations, corporate, and industrial settings

**Biology** Dr. Ray Kepner, Chair, (845) 575-3000 x2285
- Coursework in contemporary and traditional areas of Biology are the sound foundation for student preparation for entry-level positions in research labs or admission to graduate and professional schools
- Biomedical science degree provides a strong preparation for the health professions
- Many opportunities for research and internship experiences
- New York State Secondary Education Certification available via Biology Education track

**Chemistry, Biochemistry, & Physics** Dr. Elisa Woolridge, Chair, (845) 575-3000 x2390
- Our American Chemical Society-approved B.S. tracks include a required senior research project
- Outstanding record of student placement into Ph.D. programs, medical schools, and industrial positions
- Training on recently purchased state-of-the-art instrumentation in recently remodeled laboratories
- Biochemistry curricula (B.A. or B.S.) to prepare students for medical school or biotechnology careers
- New York State Secondary Education Certification via our B.A. Chemistry curriculum

**Environmental Science & Policy** Dr. Thomas Lynch, Chair, (845) 575-3000 x2443
- Required supervised internship or research experience in each track (Science or Policy) provides practical experience to prepare for entry into the work force or graduate school
- Specialty courses taught by practicing expert professionals with real-world experience
- Aquatic science lab adjacent to the Hudson River on our campus and departmental boat for river studies
- Field sites on campus and at the nearby Cary Institute of Ecosystems Studies, Mohonk Preserve, and Norrie State Park
- Access to new (2012) on campus Hudson River monitoring station as part of the Hudson River Environmental Conditions Observing System

**Medical Laboratory Sciences** Dr. Catherine Newkirk, Chair and Program Director, (845) 575-3000 x2496
- Medical Technology recently rated among “best jobs in United States” by Jobs Rated Almanac
- Our program is fully and unconditionally accredited by the National Accrediting Agency for Clinical Laboratory Sciences, and is the only college-based program in New York north of NYC, east of Syracuse, and south of Albany
- Joint program in Cytotechnology with Memorial Sloan-Kettering Cancer Center (contact us for details)
- Guaranteed clinical rotation at local affiliated medical facilities (all within an easy commute from campus)
- Since the program’s inception in 1982, 100% of our graduates have found employment in the field, most before graduation, with very competitive salaries and opportunities for advancement

Students in all School of Science programs benefit from:
- Similar first-year curriculum shared by all programs allows students to easily explore different science majors
- Classes taught by award-winning faculty members (no graduate students)
- Personal attention and individualized advising from experienced full-time faculty
- Student access to all facilities and training on all equipment and instrumentation
- Student opportunities to conduct research projects and attend scientific conferences under faculty direction
- Challenging curricula that include training in critical thinking, analytical, and ethical decision-making skills
- Strong record of student placement into grad schools, professional schools, and employment

For additional information, visit our web site at www.marist.edu/science or call Dean James DuMond at (845) 575-3228