BIOTECHNOLOGY IN HEALTHCARE
A Student Exchange in Science

The US partner schools

Daemen College in Amherst New York
New College of Florida in Sarasota, Florida
Pitzer College in Claremont, California.

Daemen College Amherst New York
Daemen College is a private, co-educational college serving approximately 2000 students. It offers more than 40 undergraduate degree programs, featuring an interdisciplinary curriculum and small class size. Its attractive suburban location offers convenient access to the cultural amenities of metropolitan Buffalo and the scenic outdoor recreation areas of Western New York, the Niagara Frontier, and the Great Lakes. In addition, the College is near Canada, with cosmopolitan Toronto in easy driving distance.

The Location
Daemen College in Amherst New York, just 15 minutes away from downtown Buffalo, New York in western New York. Buffalo, (also known as the Queen city) is the state's second-largest city, after New York City, and the Buffalo-Niagara metropolitan area has a population of 1.1 million. The Buffalo area is well
known for its architectural and historical heritage; its cultural vitality in the form of art galleries, history and science museums, a zoo and a botanical garden, theaters, jazz clubs, music groups, and a fine philharmonic orchestra; and its professional football, hockey, and baseball teams. Scores of good restaurants cater to down-home American, ethnic, gourmet, health food, and nouvelle cuisine (as well as fast-food) tastes in dining. Lake Erie and Lake Ontario beaches provide swimming and boating. Cross-country ski trails and ski slopes are an hour’s drive or less away from the campus. Niagara Falls, an international tourist attraction is also only a short drive from campus. Further inland, the Genesee River Gorge, the Finger Lakes, and the Southern Tier woods and waterways offer nearby outdoor recreation all year. The Artpark, Chautauqua, and Niagara-on-the-Lake festivals and special events enrich Western New York’s cultural and intellectual life.

Because of its location on the Great lakes, the region has been historically important for centuries. The first European settlement in the region was by the French in 1758. The British took control of the region in 1763, at the conclusion of the French and Indian War. In 1808, after the Revolutionary War, a new Niagara County, New York was formed and Buffalo became its county seat. During the War of 1812, British troops and Native American allies captured the village of Buffalo and burned much of it to the ground.

Upon the completion of the Erie Canal in 1825, Buffalo became the western end of the waterway starting at New York City. Buffalo was also terminus of the Underground Railroad, an informal series of safe houses for runaway slaves who had escaped from the Southern United States in the mid-19th century. After reaching Buffalo, the slaves could take a ferry to Fort Erie, Ontario, Canada and freedom.

Buffalo has an undeserved reputation for severe weather. In fact its summers are sunnier than those of most east coast cities, and due to the effect of breezes off Lake Erie, cooler as well. The winters feature no more snow than other northerly cities. The occasionally very heavy snowfall in the region is caused by meandering "snow belts" which are only ten or fifteen miles wide, generally occurring south of the city.

The College
Originally a liberal arts college for women, known then as Rosary Hill College, the College extended its commitment to academic excellence to the education of both men and women in 1971. In 1976, the College became independent and non-sectarian, changing its name to Daemen College. Committed to an academic atmosphere that leads to open inquiry and debate, Daemen has achieved a creative balance between programs providing career preparation and liberal arts background. The College offers more than 40 degree programs, which span from advanced degrees in the health professions to the natural sciences, such as biochemistry and biology, and the traditional liberal arts. The programs often feature an interdisciplinary curriculum and small class size.

Daemen College believes that education must go beyond personal and career concerns. In this spirit, Founded on the principle that education should elevate human dignity and foster civic responsibility and compassion, Daemen students are exposed to an education that encourages them to contribute to the development of the common good. The mission of Daemen College is to prepare students for life and leadership in an increasingly complex world.

The sciences at Daemen: In the Natural Sciences the small class sizes (10:1 student/teacher ratio) provide personal attention to each student from faculty members dedicated to teaching excellence. The department has state-of-the-art teaching laboratories and provides opportunities to participate in innovative research projects and in-
ternship assignments with area hospitals, businesses and environmental facilities. Students have the opportunity to participate in innovative research projects while undergraduates. The Science department also houses the Natural & Health Sciences Research Center, where faculty and students in the sciences and health professions collaborate together on research projects and clinical trials in areas such as treatments for chronic wounds and temporomandibular joint (TMJ) disorders.

Accommodation

In addition to a on-campus dormitory, Canavan Hall (a five story suite-style residence hall) Daemen residents also live in a “campus village”, a complex of seven two-story apartment-style buildings. Each apartment houses four students in a suite of 4 bedrooms, 2 bathrooms, a living room and a full kitchen. A trained Residence Life staff member assists students with their social, academic, and personal needs, believing that a student’s place of residence is an integral part of the total educational experience. All the rooms are wired for quick access to the campus network and the Internet.

Full service meals are served in the main dining hall, and an a la carte selection is open to all in the Cyber Cafe. The recreation room and Cyber Cafe are popular spots for socializing and relaxing during the day or evening. The recreation room has pool tables, ping pong, foosball, and other games. The Cyber Cafe has a large screen TV, DJ booth, and a dance floor. The Wick Center also houses a multi-purpose social room, an information desk, several lounges and meeting rooms.

The College has varsity intercollegiate teams for men and women in basketball, cross country, golf, and soccer. Varsity intercollegiate volleyball is available for women. The Wildcats and Lady Wildcats compete in the American Mid-East Conference and are affiliated with the National Association of Intercollegiate Athletics (NAIA). Intramurals at Daemen currently include touch football, basketball, volleyball, softball, and soccer. Well-equipped weight and exercise rooms and saunas add to the variety of fitness and health activities available. Other activities can include cheerleading, one-day tournaments, and other special events. Parties and dances, plays, movies, concerts, lectures, recitals, and art exhibits are scheduled on campus throughout the year. The eleven colleges and universities in the area also provide additional opportunities for social and cultural enrichment.

Academic Calendar

Each academic year consists of two semesters and one January inter-semester. The fall semester begins in early September and ends in mid-December while the spring semester begins in the last week of January and ends in mid-May. The inter-semester begins in early January and concludes before the start of the spring semester. It is used for short study-abroad courses and field experiences taken for credit by Daemen students.

Library services

The library offers the most up-to-date reference services, as well as access to a wide range of databases on CD-Rom or online, including the Internet. Computers can be used by use of a personal password giving access to electronic libraries and the Internet. All Daemen students and faculty have free access to all library services, though small charges are levied for photocopying and printing. Many department has its own computer facilities for students, in addition to the two main computer facilities located in the Business and Commerce building and Canavan Hall. Each student receives a free, personal e-mail address.

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New College of Florida
Sarasota, Florida

Founded in 1960 as a private college for academically talented students, New College joined the state university system of Florida in 1975 and received full independence as one of Florida’s eleven public colleges and universities in 2001. Today, as the state’s officially-designated honors college for the liberal arts, New College of Florida retains its distinctive academic mission focused on student centered learning, evaluation-based grading, and faculty-guided undergraduate research.

The Location

Situated on Florida’s Gulf Coast in the resort city of Sarasota, New College’s 140-acre bay front campus offers a stunning backdrop for the school’s innovative learning programs. State-of-the-art scientific research facilities sit alongside early 20th-century mansions (now used for class-

rooms) that were once the estates of circus magnate Charles Ringling and railroad pioneer Ralph Caples. Sarasota, near the middle of the west coast of Florida, had a total population of about 53,000. Residents from any neighborhood can enjoy the wide range of activities available throughout Sarasota. The Mote Marine Laboratory and Aquarium and Marie Selby Botanical Gardens are some of Sarasota’s notable attractions, as well as the Ringling Museum of Art.

The area’s white sand beaches and unspoiled state parks are also popular destinations for New College students. Renowned Siesta and Lido Beaches are just a short distance from campus. Nearby Myakka State Park offers hiking trails and canoeing, and historic Spanish Point lets visitors experience Florida as early European settlers did.

Sarasota offers visitors an outstanding assortment of cultural, recreational and leisure activities. The world-renowned John & Mable Ringling Museum of Art adjoins the New College campus, as does the critically-acclaimed Asolo Theater. The city hosts the Foreign Film Festival, the Asolo Theatre Company, Florida Studio Theatre, Island Players, Lemon Bay Playhouse, or Theatre Works. If you want to add music to your diet, you could begin with the Florida West Coast Symphony, Key Chorale, Gloria Musicae, the Jazz Club of Sarasota, Sarasota Ballet of Florida, Sarasota Blues Society, Sarasota Opera Association, or the Sarasota Concert Band. You can participate in tennis, lawn bowling, water skiing, shell collecting, bird watching, growing exotic tropical plants, university classes, golf, or boating.

The College

Situated on the grounds of the former Charles Ringling and Ralph Caples Estates, New College of Florida features some of Sarasota’s most historic buildings. College Hall and Cook Hall were built in the mid-1920s and today house classrooms and administrative offices. The student-run Four Winds Café offers a relaxing getaway from the daily grind of studying. Campus dorms were designed by architect I.M. Pei and feature spacious doubles and triples, each furnished with a private bathroom and equipped for wireless digital technology. Student parties, or “walls” as they are called at New College, offer informal gatherings where conversations range from lively academic discussions to pop culture. Music and dancing are also part of the scene.

The Jane Bancroft Cook Library on campus boasts 257,000 volumes and countless journals, serials,
electronic resources and media technology. Recently equipped for wireless digital technology, the library is one of the finest academic libraries in the country and an invaluable resource for student research. Sainer Pavilion, the campus theater, features both student and professional productions. Guest lectures by leading scholars from throughout the United States and the world are also held here.

**Accommodation**

When it comes to eating, students at New College enjoy a variety of options. Traditional meal plans are available for purchase through the Office of Residential Life, with costs beginning at approximately $7.50/day. In addition, the student-run Four Winds Café offers a wide assortment of fresh sandwiches, soups, fruit smoothies, and other items prepared to order. There is also a campus convenience store for students needing to grab a quick snack.

Our campus fitness center includes a fully-equipped weight and exercise room, indoor racquet ball courts, aerobics and yoga studio, heated lap pool and hot tub. Basketball courts, tennis courts, softball and soccer fields are also available to students. The campus Counseling and Wellness Center provides students with support and services related to physical and emotional well-being, as well as academic concerns.

**The sciences at New College:**

The Division of Natural Sciences at New College is among the leaders in its field among liberal arts colleges in the United States. In the past year alone, faculty and students have received grants, patents, and awards from the National Science Foundation, National Institutes of Health, Department of Education, American Vacuum Society, U.S. Patent Office, and Florida Marine Research Institute.

Science facilities on campus include the R.V. Heiser Natural Sciences building and the Rhoda and Jack Pritzker Marine Research Center. Both facilities were built within the last three years and feature state-of-the-art equipment, including laboratories, digitally-equipped teaching auditoriums, large-scale aquaria, and more.

Tutorials are more focused activities that are available to motivated, interested students. Different faculty have policies about offering tutorials to students who have not worked with them previously. If you are interested in this type of activity, we will need to arrange for a discussion with faculty in advance of your arrival.

At New College, the students work with a system of contracts for each subject they take. You will work with an advisor to plan a contract for the term that will include all of your educational activities and your goals. This will include the common course for the FIPSE program. You can view term evaluations are now online at the new College site. This gives you an idea of what the overall form entails. Your faculty member periodically evaluates your work and gives you feedback on your progress. All of the evaluations are available to your advisor for evaluation of your contract goals. Each student is given an academic advisor. In addition, the FIPSE students will work with Dr. Sandra Gilchrist, coordinator for the program on New College Campus. At the beginning of the term, we will coordinate with your home institution to make sure that courses and activities are appropriate for your degree goals.

**Academic Calendar**

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December while the spring semester begins in the last week of January and ends in mid-May. The inter-semester begins in early January and concludes before the start of the spring semester. It is primarily used to conduct student research projects.

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Pitzer College
Claremont, California

Seven colleges makeup the Claremont Colleges, Pomona College, Claremont Graduate University, Scripps College, Claremont McKenna College, Harvey Mudd College, Pitzer College and the Keck Graduate Institute of Applied Life Sciences. Pitzer's excellence is in part due to its interdisciplinary learning style in which faculty members do not belong to departments. Students learn to examine issues from multiple perspectives and from the points of view of several disciplines. Students become independent learners by examining their own ways of thinking, learning and imagining. Grounded within the structure of The Claremont Colleges, Pitzer's flexible approach to education shows you how to examine academic and community issues in new and creative ways. Pitzer College is a close-knit community that embraces individualism and encourages students to craft their own paths. It is a place that challenges students to think and make decisions about their community, world and future. Diversity and intercultural understanding are woven into the fabric of the College's curriculum and community, with students coming to Pitzer from across the United States and throughout the world. Coeducational since 1970, Pitzer today enrolls about 950 students in 40 fields of study including psychology, sociology, political studies, media studies, science, environmental studies and art.

The Location:
Located 30 miles east of downtown Los Angeles, Claremont is best known for its tree-lined streets, historic buildings, and college campuses. At the foot of Mount Baldy between Pomona and Upland, Claremont is the last city in Los Angeles county, about one hour away from downtown LA and Disneyland. Claremont is nestled in the foothills of the San Gabriel mountains. Claremont has a population of approximately 35,000 people at an elevation of 1,150 feet. We have over 140 acres of parks filled with trees to day dream under on a hot fall afternoon. Claremont is the kind of town where your life can move a quickly or as slowly as you'd like to run. The city was once part of the San Gabriel Mission which was established in 1887 and incorporated in 1907.

California, with over 6000 kinds of native plants, has the richest flora of any state in the continental United States. The Rancho Santa Ana Botanical Gardens, relocated to Claremont in 1951, is the largest botanical garden dedicated exclusively to California's native plants. Claremont also has an extensive park system with 16 parks. Claremont Train station which is still in use today. Here you may take the Metro link to LA. and many other great destinations. Down First street a couple of blocks you may also board a bus to travel to a shopping major mall in Montclair.

The College
Pitzer College's campus is a thriving and active community. Most students live in the College's three residence halls, where they arrange their living communities based on common interests. Pitzer has three residence halls; our two-story buildings, Sanborn and Holden, house about 190 students each. Mead, with six three-story towers, features eight-person suites. You'll find central living rooms, recreation rooms, kitchen and laundry
facilities, and small study rooms in all of our residence halls. All the rooms are wired for quick access to the campus network and the Internet.

Meals are usually shared in the main dining hall in McConnell Center or at the Grove House, a classic Arts and Crafts bungalow where coffee, sandwiches and homemade cookies are available throughout the day. Pitzer students participate in a wide array of activities on their own campus as well as social, cultural and recreational opportunities and offerings at the other Claremont Colleges. They have an unusually active voice in campus governance with the most vital and sensitive issues of College life.

Student Affairs oversees and coordinates the following programs and services: Student Activities, Housing and Residential Life, Academic Support Services, Career Services, Substance Abuse Education and Outreach, Jumpstart, The Center for Asian Pacific American Students (CAPAS), Gold Student Center, McConnell Dining Hall, and the Grove House.

The Gold Student Center (GSC) strives to be the "living room" for Pitzer College. Opened in 1995, the 12,000 square-foot complex center houses the service desk, fitness room, gallery, multi-purpose room, student organizations office, and a student-run eatery. The GSC's external spaces include the Paul Ranslow Terrace, a 25-yard-long swimming pool, and ultimate frisbee/softball field, basketball and sand volleyball courts, all of which have lighting for evening use.

The Service Desk provides numerous services including general resource information, faxing, photocopying, checkout of basic camping equipment (nominal fee), sports equipment and games, student event registration and assistance in creating and distributing publicity materials. The Fitness Room is equipped with exercise machines, an aerobics/dance floor, and climbing wall. The Circle Gallery has exhibits, periodicals, comfortable furniture for hanging out, and other resources. The Mandarin Café, located upstairs in the Gold Student Center, is a newly-established student-run eatery. It features light Asian Pacific cuisine, with an emphasis on the flavored, tapioca-based drink called "boba." There are pool and foosball tables in the eatery for your entertainment.

Pitzer joins with Pomona College in the Southern California Intercollegiate Athletic Conference. Athletic teams include soccer, basketball, football, baseball, track & field, golf, tennis, water polo, swimming & diving. Pomona-Pitzer women's intercollegiate athletic teams include soccer, cross-country, volleyball, swimming and diving, basketball, track & field, softball, tennis and water polo. Pitzer students participate in the Claremont Colleges club sports programs that compete nationally. A wide variety of intramural sports are available to all students.

NEED TO ADD INFO ABOUT SCIENCES AT PITZER ...

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