

One-to-one
faculty-student
mentorship is a hallmark
of graduate studies
in the College of Arts
and Sciences.



GRADUATE PROGRAMS

COLLEGE OF ARTS AND SCIENCES

WORLD-CLASS ACADEMICS. PERSONALIZED LEARNING.

What are your career goals? To unlock clues to the cause of cellular abnormalities? Gather consumer insights from big data? In Adelphi's College of Arts and Sciences graduate programs, the focus is on taking you where you want to go. How do we do this? By keeping classes small, where you'll get to know your fellow students and receive plenty of personalized attention from your professors, all highly respected educators and professionals in their chosen fields. By giving you real-world opportunities for internships and networking, you'll graduate knowing you're ready to be a leader in your field and join the growing network of proud alumni who call their Adelphi experience transformative.



A GRADUATE PROGRAM TAILORED TO YOU

TAKE THE LEAD IN HEALTHCARE, SCIENCE OR TECHNOLOGY. YOU'LL RECEIVE PERSONALIZED MENTORING BY OUR OUTSTANDING FACULTY OF RESEARCHERS.

M.S., BIOLOGY

Pursue an M.S. in Biology at Adelphi and acquire the tools and skills to establish a successful career in areas such as healthcare, biological research or environmental law. Choose from three (optional) concentrations: molecular biology, physiology, and ecology, evolution and conservation biology. Our faculty experts specialize in a wide range of topics, including aging, cancer, dinosaur physiology, fish evolution, neurobiology and plant signaling, among many others, ensuring that you'll find a mentor who can guide you in your area of interest.

With an M.S. in Biology, you'll:

- Develop critical-thinking skills.
- Be prepared to continue your education in medical, dental or other professional schools in the health sciences or in research doctoral programs.
- Fulfill requirements of certain tracks for teacher certification in secondary school biology.

M.S. IN BIOLOGY: BIOTECHNOLOGY

This unique course of study provides a solid foundation in the sciences with training in business to give students the expertise to succeed in both scientific and business environments, including universities, hospitals, and the pharmaceutical and biotechnology industries. The program includes critical training in laboratory safety and 21st century instrumentation and techniques. The required internship offers invaluable firsthand experience.

Ways you can receive biotechnology training are:

- Combining training in science and business with an internship to provide the most in-depth preparation for work in the biotechnology industry.
- Taking relevant courses such as Introduction to Biotechnology. This approach provides some background in biotechnology to help you decide if this field is the right fit, without the business courses and internship.

M.S., ENVIRONMENTAL STUDIES

Make our coasts cleaner, pioneer the use of green energy, improve environmental health and safety, advocate for environmental legislation—the choice is yours. You'll study with faculty members who are active researchers in coastal geology, climate and sea level change, human ecology, energy utilization, public policy, and other areas of study. Flexible schedules with evening class options and full- or part-time enrollment help you meet the demands of a career while earning your degree.

We offer unique specializations in global human environment and global physical environment that are highly sought in today's—and tomorrow's—job market.

- Take a scientific approach by studying geology, hydrology and climate science.
- Delve into how human behavior—our politics, legislation and culture—impacts the environment and how the environment affects the health of human populations.
- Newly implemented: Qualified Adelphi bachelor's degree students can enter our 4-1 program and complete their master's degree in just one year!

M.S., COMPUTER SCIENCE

Big data is changing the way we work, play and do business. As the data collected multiplies exponentially, so does the need for people who understand the science of how to analyze and manipulate these vast amounts of data. Our faculty will guide you in mastering the complex skills you'll need to be at the forefront of data science, software development, and maintaining software and security systems.

Choose from two specializations:

- Cybersecurity: Become a data defender as you learn to identify threats, protect from breaches and take the lead as a chief information security officer.
- Software engineering: Design, develop and evaluate the software and systems that enable computers to perform their applications.

M.S., APPLIED MATHEMATICS AND STATISTICS

Our program prepares students for advanced careers in areas such as scientific computing, optimization and statistics. The statistics specialization will prepare students to enter any field of statistics and will also give them the necessary background and experience to serve as statistical consultants.

Recipients of an M.S. in Applied Mathematics and Statistics have a bright future:

- According to the Society for Industrial and Applied Mathematics (SIAM) and the American Statistical Association (ASA), jobs in applied sciences and statistics are at an all-time high, and the demand for qualified individuals in these fields will consistently grow over the next 10 years.
- The Bureau of Labor Statistics (BLS) predicts that job outlooks for applied mathematics and statistics through 2026 will grow by 21 percent and 34 percent, respectively, which is significantly above the 7 percent national average for all careers.
- Choose your path—your degree prepares you to work in financial mathematics, data mining or analytics, scientific computing, or actuarial science.



SUCCESS STORIES IN THE COLLEGE OF ARTS AND SCIENCES COMMUNITY

Our community of students, faculty and alumni comes from all cultures and backgrounds. They are researchers and scholars, advancing their fields in the sciences, and they are here to help you do the same.



**Associate
Professor and
Graduate Coordinator
of Environmental Studies Program**

AAREN FREEMAN, PH.D.

A LIFE AQUATIC

Dr. Freeman is the graduate coordinator for the Environmental Studies program. He received his Ph.D. in Zoology from the University of New Hampshire. He is a marine evolutionary ecologist with an emphasis on conservation-related issues.

NOTABLE ALUMNI

Our alumni network totals more than 37,000 and includes top professionals in their fields, such as:

Sharon Klugewicz, M.S. '94, chief operating officer, Misonix

Perry Woo, M.S. '05, J.D., Ph.D., patent attorney at Hoffmann & Baron, LLP

Carlos Josué Colombani, M.S. '16, veteran, now life scientist, federal facilities enforcement coordinator for the Environmental Protection Agency

Asif Zaman, M.S. '18, currently an environmental GIS specialist with the NYC Department of City Planning



**Professor, Biology
Director**

**TANDRA CHAKRABORTY,
PH.D.**

A NEUROENDOCRINOLOGIST'S LIFE

Dr. Chakraborty specializes in endocrinology and neurobiology, specifically estrogen and how it relates to age, obesity and blood sugar. A true scholar-teacher, she brings creativity to the classroom through high-impact teaching practices to help her students master complex biological topics.

**Assistant Professor
KEES LEUNE, PH.D.
A LIFE IN CYBERSECURITY**

Dr. Leune's primary research interests revolve around different aspects of cybersecurity, privacy and the Internet-of-Things (IoT). His research is grounded in access control theory, information security management and conceptual modeling. Dr. Leune focuses on defensive cybersecurity, primarily on incident prevention and incident management.





WHY SHOULD YOU PURSUE AN ADVANCED DEGREE IN THE ADELPHI UNIVERSITY COLLEGE OF ARTS AND SCIENCES?

6:1

STUDENT-TO-FACULTY RATIO



Our master's degree and certificate enrollment is split between 62 percent female and 38 percent male students.

FIT RIGHT IN

Our graduate programs have:

- An average age of 27 for enrolled students
- Roughly 50 percent of students attending part time
- An average class size of 16 students

ADMISSION REQUIREMENTS

- Application and \$50 fee
- Letter(s) of recommendation: academic or professional references
- Official transcripts from all prior institutions
- Résumé
- Essay
- A portfolio is required for applicants applying to the M.S. in Computer Science and recommended for Applied Mathematics and Statistics applicants
- TOEFL or IELTS required for international candidates if in the United States for less than three years

ACADEMIC PROGRAMS	TOTAL CREDITS	ADDITIONAL PROGRAM-SPECIFIC REQUIREMENTS/INFORMATION
M.S. in Applied Mathematics and Statistics	30–33 credits	All students applying to this program must hold an undergraduate degree in mathematics, applied mathematics, statistics or a closely related and/or equivalent degree. Students lacking all the necessary background coursework may be fully accepted into the program by taking the graduate level Foundations for Advanced Mathematics course and earning a grade of B or better. Applied mathematics and statistics portfolio containing descriptions of completed project work is recommended.
M.S. in Biology With Concentrations in Physiology, Molecular Biology, and Ecology, Evolution and Conservation Biology	33–36 credits	A bachelor's degree in biology, biochemistry or a related field
M.S. in Biology With a Concentration in Biotechnology	33–36 credits	A bachelor's degree in biology, biochemistry or a related field; candidates need to submit a letter to the Biology Graduate Committee; candidates must already be admitted and have completed 12 credits in the M.S. in Biology program.
M.S. in Computer Science	30 credits	All students applying to this program must hold an undergraduate degree in computer science, information systems or a closely related and/or equivalent degree. Computer science portfolio is required, containing descriptions of completed project work (academic or professional portfolio).
M.S. in Environmental Studies With Specializations in Global Human Environment and Global Physical Environment	33 credits	Candidates must have a bachelor's degree and some prior coursework in science, mathematics and/or social science.

PLEASE NOTE: We offer all the academic programs listed above at our Garden City campus to full- or part-time students, and admission is available in either the fall or spring semester.

91%

of our recent master's degree graduates found a job within six months of graduation.

—Survey of Recent Graduates 2017–2018



“The graduate programs at the College of Arts and Sciences at Adelphi University blend contemporary curricula, faculty mentoring, professional development opportunities and real-life impact, amplified by a geographic advantage of proximity to a world metropolis.”

—Vincent Wei-cheng Wang, Ph.D., Dean, College of Arts and Sciences

SAFETY FIRST. Colleges and universities are required under federal law to publish and make available an annual campus security report, which includes, among other information, statistics on campus crime. The crime statistics for all colleges and universities required to comply with this law are available from the United States Department of Education.

Adelphi University's annual security report includes statistics for the previous three years concerning reported crimes that occurred on campus; in certain off-campus buildings or property owned or controlled by Adelphi University; and on public property within, or immediately adjacent to and accessible from, the campus. The report also includes institutional policies concerning campus security, such as policies concerning alcohol and drug use, crime prevention, the reporting of crimes, sexual assault, emergency response plan, timely warnings, fire statistics, missing students and other matters. The advisory committee on campus safety will provide upon request all campus crime statistics as reported to the United States Department of Education. You may obtain a copy of this report by contacting the Department of Public Safety and Transportation, Levermore Hall, Suite 113, **516.877.3500**, or by accessing **safety.adelphi.edu**.

The United States Department of Education's website for campus crime statistics is **ope.ed.gov/security**.

As a reminder, the back of any Adelphi University ID card provides you with weather advisory and alert numbers to obtain information on any possible delayed openings or school closings. To register for the University Mass Notification System, log on to eCampus (**ecampus.adelphi.edu**) and click on University Mass Notification System.

ACCREDITATION. Adelphi University, an independent, comprehensive institution, is chartered by the University of the State of New York and is accredited by the Middle States Commission on Higher Education, 3624 Market Street, Philadelphia, PA 19104-2680, **267.284.5000**; the New York State Education Department, 89 Washington Avenue, Albany, NY 12234, **518.474.3852**; the Commission on Collegiate Nursing Education, One Dupont Circle NW, Suite 530, Washington, D.C. 20036, **202.887.6791**; the Council on Academic Accreditation in Audiology and Speech-Language Pathology, American Speech-Language-Hearing Association, 2200 Research Boulevard, Rockville, MD 20850-3289, **800.638.8255**; the Council on Social Work Education, 1701 Duke Street, Suite 200, Alexandria, VA 22314, **703.683.8080**; the Council for the Accreditation of Educator Preparation (CAEP), 1140 19th Street NW, Suite 400, Washington, D.C. 20036, **202.223.0077**; and AACSB International-The Association to Advance Collegiate Schools of Business, 777 South Harbor Island Boulevard, Suite 750, Tampa, FL 33602-5730, **813.769.6500**.

EQUAL OPPORTUNITY AND NOTICE OF NONDISCRIMINATION. Adelphi University is committed to extending equal opportunity in employment and educational programs and activities to all qualified individuals and does not discriminate on the basis of race, religion, age, color, creed, sex, marital status, sexual orientation, ethnicity, national origin, disability, genetic predisposition or carrier status, veteran status, status as a disabled or Vietnam-era veteran, gender expression, or any other basis protected by applicable local, state or federal laws. Adelphi University does not discriminate on the basis of sex or gender in any education program or activity it operates as required by Title IX. All questions regarding Title IX should be referred to Title IX Coordinator and Director of Equity and Compliance Renaire Frierson, Room 207, Levermore Hall, **516.877.4819**, **titleix@adelphi.edu**. The discrimination coordinator for student concerns pursuant to Section 504 of the Rehabilitation Act of 1973 is Rosemary Garabedian, Director of the Student Access Office, Post Hall, **516.877.3145**, **sao@adelphi.edu**; the discrimination coordinator for employee concerns pursuant to Section 504 of the Rehabilitation Act of 1973 is Jane Fisher, Director of Employment, Employee and Labor Relations, Room 203, Levermore Hall, **516.877.3222**; the coordinator of Title VII and the affirmative action officer is Cindy Donnelly, Chief Human Resources Officer, Room 203, Levermore Hall, **516.877.3268**.

Office of University Admissions

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