

Rutgers Pharmacy Summer Program

At Rutgers, The State University of New Jersey—New Brunswick

New Jersey – “Pharma Capital of the World”

Nestled in the heart of the U.S. pharmaceutical landscape, New Jersey is renowned globally as the “Pharma Capital of the World”. It is home to the largest concentration of life sciences companies in the nation, including the global headquarters and major research centers of industry giants such as **Johnson & Johnson, Bristol Myers Squibb, Merck, Novartis, and Sanofi**. This unparalleled location provides Rutgers University with a distinct competitive advantage. Our academic programs are deeply integrated with this thriving ecosystem, offering students direct access to a network of leading pharmaceutical companies, biotechnology innovators, and regulatory bodies. Through Rutgers, students will benefit from unique opportunities such as industry site visits, academic lectures, networking events, and rotation placements that bridge classroom theory with real-world applications. This synergy between a top-tier academic institution and the epicenter of the pharmaceutical industry creates an immersive learning environment, preparing students not just to enter the field, but to lead it.

Rutgers Ernest Mario School of Pharmacy (EMSOP)

Rutgers, The State University of New Jersey, was founded in 1766 as Queen’s College. It holds the distinction of being one of the nine colonial colleges established prior to the American Revolution and stands as the nation’s eighth-oldest institution of higher education. This foundational history underpins its contemporary status as a premier public research university. Rutgers is a member of the prestigious Association of American Universities (AAU), a consortium of leading research-intensive institutions, and is consistently ranked among the top national public universities, currently positioned **at #42 among National Universities and #16 among Top Public Schools** by *U.S. News & World Report*. It serves as New Jersey’s singular, comprehensive public research university—a vital intellectual and economic engine for the state and the region.

The Ernest Mario School of Pharmacy (EMSOP) at Rutgers University holds a distinguished position in pharmaceutical academia, consistently ranked among the **top 10 pharmacy schools** in the U.S. by *U.S. News & World Report*. It is a national leader in NIH research funding, securing over \$20 million annually. EMSOP provides a comprehensive academic portfolio, including Pharm.D., Ph.D., Master’s, and dual-degree programs, serving over 1,400 students with a faculty of more than 100 renowned researchers and clinicians. The school’s prime location in New Jersey—home to the world’s highest concentration of pharmaceutical companies—enables unmatched industry integration. Students gain extensive clinical experience through a network of **over 200 rotation sites** and access to advanced facilities, such as the Center for Advanced Biotechnology and Medicine (CABM) and high-fidelity simulation labs. Graduates consistently surpass national licensure exam pass rates and achieve high placement rates across residencies, fellowships, and industry roles, demonstrating EMSOP’s powerful integration of research, education, and professional preparation.

Pharmacy Summer Program Overview

The Pharmacy Summer Program at Rutgers Ernest Mario School of Pharmacy provides incoming international students with a focused, two-week immersive experience. The program is built on three core pillars designed to deliver a holistic understanding of the pharmacy field.

- **Academic and Clinical Foundation:** The program establishes a strong professional foundation through advanced simulation-based training and direct clinical engagement. Participants will participate in clinical observations at Rutgers Robert Wood Johnson University Hospital. These real-world experiences are integrated with structured sessions in the school's state-of-the-art simulation laboratories, including the Acute Care Sim Lab and the VAX Clinic, where students train to assume the role of the pharmacist within contemporary, interprofessional healthcare models.
- **Research Immersion:** Students gain direct access to the university's innovative research environment. The program includes guided research lab tours with faculty members, offering a firsthand look at active, groundbreaking pharmaceutical science and the translational research that is defining the next generation of medical solutions.
- **Industry Integration:** The program capitalizes on our strategic location in New Jersey, the "Pharma Capital of the World," and our extensive industry network. This includes organized industry site visits to leading corporations, such as Johnson & Johnson and Bristol Myers Squibb, providing an insider view of the entire pharmaceutical pipeline, from drug discovery to commercialization.

Together, this integrated framework of academic, clinical/research, and industry exposure ensures a unique and comprehensive immersion for the students to dive into the diverse career trajectories within the global pharmaceutical sector.

Program Cost Overview

The per-person program fee for a minimum cohort of 10 students is \$3,500 USD. This comprehensive fee is designed to cover nearly all on-the-ground expenses for the immersive two-week session. Please note that the program is subject to cancellation if the minimum enrollment of 10 students is not met.

- **What the Program Fee Includes:** The fee covers all academic lectures, clinical observations, simulation lab sessions, research lab tours, industry site visits, accommodation, daily breakfast and some group meals, airport transportation, and all scheduled on-campus events.
- **What is Not Included:** Participants are responsible for arranging and covering the cost of:
 - International airfare to and from the United States.
 - Visa application fees (if needed).
 - Comprehensive international travel and health insurance.
 - Lunches and dinners not specified as included, and personal incidental expenses.

This immersive program provides international students with a deep dive into the world of pharmacy through a structured blend of academic lectures, clinical simulations, research lab experiences, corporate site visits, and cultural activities.

Over two weeks, you will:

- **Explore Core Pharmaceutical Domains:** Examine key areas including drug discovery, clinical pharmacy practice, translational research, pharmacogenomics, and regulatory affairs.
- **Learn from Leading Experts:** Attend lectures and workshops led by distinguished Rutgers Pharmacy faculty and clinical preceptors who are leaders in their fields.
- **Gain Hands-On Experience:** Develop practical skills in state-of-the-art simulation labs (Acute Care Sim Lab, VAX Clinic) and observe real-world patient care during clinical sessions at Rutgers Robert Wood Johnson University Hospital (New Brunswick and/or Somerset).
- **Explore the Pharmaceutical Industry:** Visit leading pharmaceutical and biotech companies to understand the full drug development pipeline from R&D to commercialization.
- **Experience U.S. Academic & Cultural Life:** Engage with the Rutgers community and experience campus and regional culture.
- **Build Global Connections:** Network with diverse peers who share your interest in healthcare and the life sciences.

Schedule

(Subject to changes based on the site availability and the faculty’s final decisions on lecture and research topics.)

Week One

Day	Date (2026)	Key Activities & Themes
Arrival	Sun, Jul 5	<ul style="list-style-type: none"> ● Arrival & Check-in at Dorms ● Welcome Lunch & Grocery Shopping
Day 1	Mon, Jul 6	<p>Theme: Foundations of the U.S. Pharmacy Profession & Drug Discovery</p> <ul style="list-style-type: none"> ● Lecture 1: The U.S. Pharmacy Profession & EMSOP's Role ● Lecture 2: Drug Discovery Pipeline: From Target Identification to Clinical Trials ● Site Visit: Tour of EMSOP's Center for Advanced Biotechnology & Medicine (CABM)

Day	Date (2026)	Key Activities & Themes
Day 2	Tue, Jul 7	<p>Theme: Clinical Pharmacy - Hospital Practice</p> <ul style="list-style-type: none"> ● Clinical Observation: RWJ University Hospital - Inpatient Pharmacy & Medication Therapy Management ● Lecture 3: Innovations in Hospital Pharmacy & Antimicrobial Stewardship ● Simulation Lab: Acute Care & IV Preparation ● Extracurricular Activity: Rutgers Golf Course
Day 3	Wed, Jul 8	<p>Theme: Pharmaceutical Sciences</p> <ul style="list-style-type: none"> ● Lecture 4: Pharmaceuticals & Advanced Drug Delivery Systems ● Research Lab: Hands-on experience in a Pharmaceuticals/Nanotechnology Lab ● Lecture 5: Pharmacogenomics & Personalized Medicine
Day 4	Thu, Jul 9	<p>Theme: Industry Insights - R&D & Business</p> <ul style="list-style-type: none"> ● Industry Visit: Johnson & Johnson or Bristol Myers Squibb ● Lecture 6: The Business of Pharma: R&D Strategy & Market Access ● Social Event: Networking with Rutgers Pharmacy Students
Day 5	Fri, Jul 10	<p>Theme: Clinical Pharmacy - Ambulatory Care</p> <ul style="list-style-type: none"> ● Lecture 7: Ambulatory Care & Community Pharmacy Practice ● Simulation Lab: VAX Clinic Immunization Training & Patient Counseling ● Skill Workshop: Academic/Professional English for Healthcare ● Social Event: Activities with Rutgers Pharmacy students
Day 6	Sat, Jul 11	<p>Free Day</p> <ul style="list-style-type: none"> ● Optional Cultural Immersion (e.g., New York City or Philadelphia)
Day 7	Sun, Jul 12	<p>Free Day</p> <ul style="list-style-type: none"> ● Time for rest, personal exploration, or group activities.

Week Two

Day	Date (2026)	Key Activities & Themes
Day 8	Mon, Jul 13	<p>Theme: Clinical Specialties</p> <ul style="list-style-type: none"> ● Clinical Observation: RWJUH - Oncology Pharmacy or Specialty Clinic ● Lecture 8: Oncology Pharmacy & Targeted Therapies ● Simulation Lab: Management of Chemotherapy Cases ● Extracurricular Activity: Movie Night at Rutgers Cinema
Day 9	Tue, Jul 14	<p>Theme: Industry Insights - Manufacturing & Regulation</p> <ul style="list-style-type: none"> ● Industry Visit: Pharmaceutical Manufacturing Facility (e.g., focus on GMP) ● Lecture 9: Quality Assurance, GMP, & Regulatory Affairs ● Social Event: Dinner with the Korean Student Association
Day 10	Wed, Jul 15	<p>Theme: Research & Translational Medicine</p> <ul style="list-style-type: none"> ● Lecture 10: Translational Research: From Bench to Bedside ● Research Lab: Hands-on Experience in a Pharmacology or Medicinal Chemistry Lab ● Lecture 11: Neuropharmacology & CNS Drug Development
Day 11	Thu, Jul 16	<p>Theme: Public Health & Special Populations</p> <ul style="list-style-type: none"> ● Lecture 12: Pharmacy's Role in Public Health & Pandemic Response ● Clinical/Simulation: Pediatric/Geriatric Pharmacy Considerations ● Career Workshop: Global Career Paths in Pharmacy
Day 12	Fri, Jul 17	<p>Theme: Integration & Leadership</p> <ul style="list-style-type: none"> ● Final Presentations: Students presentations on selected topics ● Closing Ceremony & Certificate Awarding ● Celebration Farewell Dinner
Day 13	Sat, Jul 18	<p>Free Day</p> <ul style="list-style-type: none"> ● Time for personal exploration, reflection, and packing.
Departure	Sun, Jul 19	<ul style="list-style-type: none"> ● Check-out from Dorms & Airport Transfers



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Questions:

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