Temple University
DUAL BACHELOR’S MASTER’S DEGREE PROGRAM
Philadelphia, Pennsylvania, USA

MEDICINAL CHEMISTRY/
DRUG DISCOVERY
(THESIS AND NON-THESIS MS)

Earn your master’s degree in Medicinal Chemistry/Drug Discovery in the School of Pharmacy through the Dual Bachelor’s Master’s Degree Program. Apply to Temple early during your third or fourth year of undergraduate studies and receive early admission into your graduate program. In five years, you can earn both your bachelor’s and master’s degrees.

APPLICATION PROCESS
• GPA 3.0 or higher (on a 4.0 scale)
• TOEFL iBT score of 85 or higher
• GRE waived
• Application deadline: March 15
• Decision by May 1

ACADEMIC CALENDAR
• Fall semester: August – December
• Spring semester: January – May

TOTAL TUITION COST
Tuition is based on 30 credits required for completion of the master’s degree program. Tuition is calculated using out-of-state rates.

SCHOLARSHIPS
• First semester scholarship
• Second-fourth semester merit scholarships

LIVING COST
$6,000 per semester (approximate)
Housing, health insurance and book costs vary depending on personal preference.

TEMPLE BY THE NUMBERS
• 42nd Largest University in the U.S. & 5th largest provider of professional education in the nation
• 14:1 student-faculty ratio
• Top 4% of all U.S. 4-year universities as a Carnegie R1 research institution
• Top University for International Students (U.S. News and World Report)

PHILADELPHIA, PA
• 5th largest city and 1st World Heritage City in the U.S.
• 150 km from New York City; 200 km from Washington, D.C.
• #2 Best Place to Visit in the US (U.S. News and World Report)
• 5th largest public transportation system in the U.S.
MEDICINAL CHEMISTRY/DRUG DISCOVERY CURRICULUM

PREREQUISITES FOR ADMISSION
Background in Organic Chemistry, Biochemistry, Pharmacy, or related fields

YEAR 1-FALL
PS 8203: Fundamentals of Biochemistry
CHEM 5202: Reaction Mechanisms
PS 8002: Pharmaceutical Analysis
PS 8121: Survey of Pharmaceutical Sciences

YEAR 1-SPRING
CHEM 5205: Organic Synthesis
PS 8127: Pharmacokinetics
STAT 5002: Introduction to Biostatistics

YEAR 2-FALL
PS 8009: Advanced Medicinal Chemistry I
PS 8128: Principles of Drug Discovery
CHEM 5201: Physical Methods in Organic Chemistry
PS 8129: Bioethics in Research
Pharmacy or Chem Electives

YEAR 2-SPRING
PS 8403: Pharmacogenomics (2 credits)
PS 8011: Advanced Medicinal Chemistry II*
PS 8051: Seminar in Pharmaceutical Sciences
Pharmacy or Chem Electives
Pharmacy or Chem Elective

*Opportunity to get practical training performing research in the lab of a department member (1-3 credits dependent on project)

"THE ENTHUSIASM AND ENERGY THAT THE DBMD STUDENTS HAVE BROUGHT TO THE DEPARTMENT OF PHARMACEUTICAL SCIENCES HAS BEEN REMARKABLE. THEY HAVE INTEGRATED INTO STUDENT LIFE EXTREMELY WELL AND HAVE MADE EXCELLENT PROGRESS SINCE JOINING THE DEPARTMENT."

CHAIR OF THE DEPARTMENT OF PHARMACEUTICAL SCIENCES AND DIRECTOR OF GRADUATE STUDIES AT THE SCHOOL OF PHARMACY
Daniel J. Canney, Ph.D.

TEMPLE UNIVERSITY GLOBAL PROGRAMS

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Cong Li
Undergraduate Degree: Pharmacy from Nankai University
Graduate Degree: M.S. in Pharmaceutical Science from Temple University (Class of 2013)
Post Graduate: Ph.D. candidate at Temple University (2015)