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

MEDICINAL CHEMISTRY/DRUG DISCOVERY
(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 year of undergraduate studies and begin your graduate program at Temple during your fourth year. 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
$38,400 (two years).
Tuition is based on 30 credits required for completion of the master’s degree program. The graduate tuition rate for out of state students is $1,280/credit.

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
• 38th 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
• Fox School of Business #1 for Graduate Student Entrepreneurial Mentorship (U.S. News)

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.
• Top 15 for Best Affordable U.S. Destinations (U.S. News)
• 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

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

*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.

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**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)