

# Pharmaceutical Regulatory Sciences, M.S.

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SCHOOL OF PHARMACY

## About the Program

The M.S. in Pharmaceutical Regulatory Sciences (MSPRS) blends two disciplines, pharmaceutical and regulatory sciences, providing a unique and critical academic path for professionals in the pharmaceutical, medical device, and biologics industries:

- Pharmaceutical science courses focus on the core science principles involved in the development and manufacturing of therapeutic products.
- RAQA courses provide a strong framework of regulations and quality practices, addressing scientific methods needed to ensure safety, efficacy, quality, and consistent performance.

The MSPRS program is designed to prepare a cadre within the pharmaceutical industry of senior regulatory professionals who are familiar with both the pharmaceutical sciences and worldwide regulatory practices as they interact with the FDA and other global regulators in bringing new chemical entities and biologics to market.

**Time Limit for Degree Completion:** 5 years

**Campus Location:** Online

**Full-Time/Part-Time Status:** The degree program can be completed on a full- or part-time basis.

**Interdisciplinary Study:** The program fosters interdisciplinary study with the pharmaceutical sciences and technology.

**Job Prospects:** The program prepares graduates for positions in the global marketplace related to the pharmaceutical and regulatory sciences.

**Non-Matriculated Student Policy:** Non-matriculated students are able to take up to 9 credits before formal application must be made to the program.

**Financing Opportunities:** Master's-level students are generally not considered for financial support.

## Admission Requirements and Deadlines

### Application Deadline:

*Fall:* March 1; December 15 international

*Spring:* November 1; September 1 international

*Summer I:* March 1; January 15 international

Applications are processed throughout the year. Late applications may be considered for admission. However, the entire application packet must be received by the Graduate Studies Office before it is reviewed by the Admissions Committee. Applicants are responsible for making sure that all materials have been received.

*APPLY to this graduate program*, submitting the application to QARA2@temple.edu. For more information, visit [https://www.temple.edu/pharmacy\\_qara/applyingtoMS.html](https://www.temple.edu/pharmacy_qara/applyingtoMS.html).

### Letters of Reference:

*Number Required:* 2

*From Whom:* Letters of recommendation should be obtained from supervisors or college/university instructors familiar with the student's academic competence.

**Bachelor's Degree in Discipline/Related Discipline:** A baccalaureate degree in Pharmacy, Biochemistry, Biology, Chemistry, Chemical Engineering, or Mechanical Engineering is required.

Applicants who did not achieve a 3.0 undergraduate GPA in a science discipline may be admitted after taking three of the four courses listed below and earning an overall 3.33 (B+) GPA in the coursework:

Code	Title	Credit Hours
PS 8002	Pharmaceutical Analysis	3
PS 8005	Pharmaceutical Biotechnology	3
PS 8006	Physical Pharmacy I	3
QARA 5575	Regulatory Sciences: Managing the Guidelines to Quality	3

**Statement of Goals:** Describe your career goals and objectives in 500 to 1,500 words.

**Standardized Test Scores:**

Applicants who earned their baccalaureate degree from an institution where the language of instruction was other than English, with the exception of those who subsequently earned a master's degree at a U.S. institution, must report scores for a standardized test of English that meet these minimums:

- TOEFL iBT: 85
- IELTS Academic: 7.0
- PTE Academic: 58

**Resume:** Current resume or CV required.

**Transfer Credit:** Students may transfer a maximum of 6 credits into the M.S. program. These credits must be similar or identical to courses offered by the Temple University School of Pharmacy and applicable to the M.S. in Pharmaceutical Regulatory Sciences. In addition, the student must request the transfer credits at the time of application to the M.S. program, providing copies of course syllabi. The maximum number of credits a student may transfer is 6.

## Program Requirements

**General Program Requirements:**

*Number of Credits Required Beyond the Baccalaureate: 30*

*Required Courses:*

Code	Title	Credit Hours
<b>Core Courses</b>		
PS 8003	Pharmaceutical Manufacturing I: Preformulation/Formulation	3
PS 8004	Pharmaceutical Manufacturing II	3
PS 8005	Pharmaceutical Biotechnology	3
QARA 5468	Validation of Facilities, Utilities and Equipment (FUE)	3
QARA 5495	Investigational New Drug/New Drug Application Submissions	3
QARA 5575	Regulatory Sciences: Managing the Guidelines to Quality	3
QARA 5576	Global CMC Issues and Regulatory Dossier (Or QARA 5577 )	3
QARA 8006	Physical Pharmacy I	3
<b>Pharmaceutical Sciences Elective</b>		
Select one from the following:		3
PS 8002	Pharmaceutical Analysis	
PS 8007	Applied Biopharmaceutics	
<b>Regulatory Affairs and Quality Assurance Elective</b>		
Select one from the following:		3
QARA 5474	Process Validation	
QARA 5478	High Purity Water Systems	
QARA 5498	Computerized System Validation	
QARA 5515	Biologics/Biosimilars: A Regulatory Overview	
QARA 5572	Vaccines: Regulatory Affairs and Quality Assurance Issues	
QARA 5577	Global CMC Regulatory Compliance for Biopharmaceuticals and Other Biologics	
QARA 5606	Regulatory Strategy: Discovery to Approval	
<b>Total Credit Hours</b>		<b>30</b>

**Culminating Event:** Successful completion of coursework is required to earn the M.S. in Pharmaceutical Regulatory Sciences.

## Contacts

**Program Web Address:**

[https://www.temple.edu/pharmacy\\_qara/Pharmaceutical\\_Regulatory\\_Sciences.html](https://www.temple.edu/pharmacy_qara/Pharmaceutical_Regulatory_Sciences.html)

**Department Information:**

Pharmaceutical Regulatory Sciences Graduate Program  
425 Commerce Drive, Suite 175  
Fort Washington, PA 19034-2728  
qara@temple.edu  
267-468-8560

**Submission Address for Application:**

QARA2@temple.edu

**Mailing Address for Application Materials:**

Temple University  
Pharmaceutical Regulatory Sciences Graduate Program  
425 Commerce Drive, Suite 175  
Fort Washington, PA 19034-2728

**Department Contacts:***Admissions:*

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