

Batterjee Medical College

# MASTER OF SCIENCES

Pharmacology and Toxicology



كلية البترجي الطبية  
BATTERJEE MEDICAL COLLEGE



Accreditations



Welcome to the forefront of academic excellence in Pharmacology and Toxicology. Batterjee Medical College takes great pride in introducing our distinguished master program, meticulously crafted to empower individuals like you with the knowledge and expertise required to thrive in this dynamic and crucial field.

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# PROGRAM OVERVIEW

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Our master of science in Pharmacology and Toxicology stands as a testament to our commitment to academic rigor and practical proficiency. This comprehensive curriculum seamlessly integrates theoretical foundations with hands-on experience, immersing students in the multifaceted domains of drug development, toxicology, and cutting-edge pharmaceutical research. Guided by esteemed faculty members and equipped with state-of-the-art facilities, our program paves the way for unparalleled academic and professional growth.





## WHO IS THIS COURSE FOR?



Our Master of Science in Pharmacology and Toxicology program is tailored to meet the needs and aspirations of a diverse range of individuals who share a passion for advancing healthcare and scientific discovery.

*This program is designed for:*

- ✓ **Graduates in Healthcare Fields:** If you hold a Bachelor's degree in Pharmacy, Dentistry, Nursing, or Medicine, Applied Medical Sciences, BS in Science specialized in Pharmacology, this program is your pathway to expanding your knowledge and expertise in pharmacology and toxicology. It's your opportunity to take your healthcare career to the next level.
- ✓ **Lifelong Learners (Ages 24-55):** Whether you're a recent graduate looking to specialize or an experienced professional seeking to broaden your horizons. We believe that learning has no age limit, and our diverse cohort reflects this philosophy.
- ✓ **Inclusive of All Genders:** Our program is open to both males and females. We value diversity and inclusivity, fostering an enriching learning environment where individuals from all backgrounds and nationalities can thrive.

No matter your background or stage in life, if you are driven by a passion for scientific inquiry, the desire to make a meaningful impact in healthcare, and the dedication to lifelong learning, our Master's of Science in Pharmacology and Toxicology program is designed with you in mind. Join us on this transformative educational journey and shape the future of healthcare.



## STUDY PLAN

# Curriculum Overview

<b>Level 1</b> First Year First Semester	Pharmacology and drug Discovery	General and System Toxicology	Biostatistics	Intracellular Drug Delivery and Targeting	
<b>Level 2</b> First Year Second Semester	Molecular Pharmacology	Environmental Health and Environmental Toxicology	Research Methods and Ethics	Clinical Toxicology	Advanced Pharmacokinetics
<b>Level 3</b> Second Year First Semester	Scientific Writing	Thesis			
<b>Level 4</b> Second Year Second Semester	Student Seminar				

## ADMISSION REQUIREMENTS

### Required Documents for Admission

- ✓ Attested copy of bachelor's degree and internship certificate, (Pharmacy, Medicine, Dentistry, Nursing, Applied Medical Sciences, BS in Science specialized in Pharmacology), grade at least very good (GPA > 3.5/5 or equivalent).
- ✓ Attested copy of professional classification (if obtained).
- ✓ English level (TOEFL 450 and ILETS 3.5 or equivalent).
- ✓ Two recommendation letters from two different faculty members who taught the applicant (one from a faculty specialized in Pharmacology).
- ✓ Copy of the Saudi/Iqama Identification card (bring the original for matching)
- ✓ 4 colored personal photos (passport size)



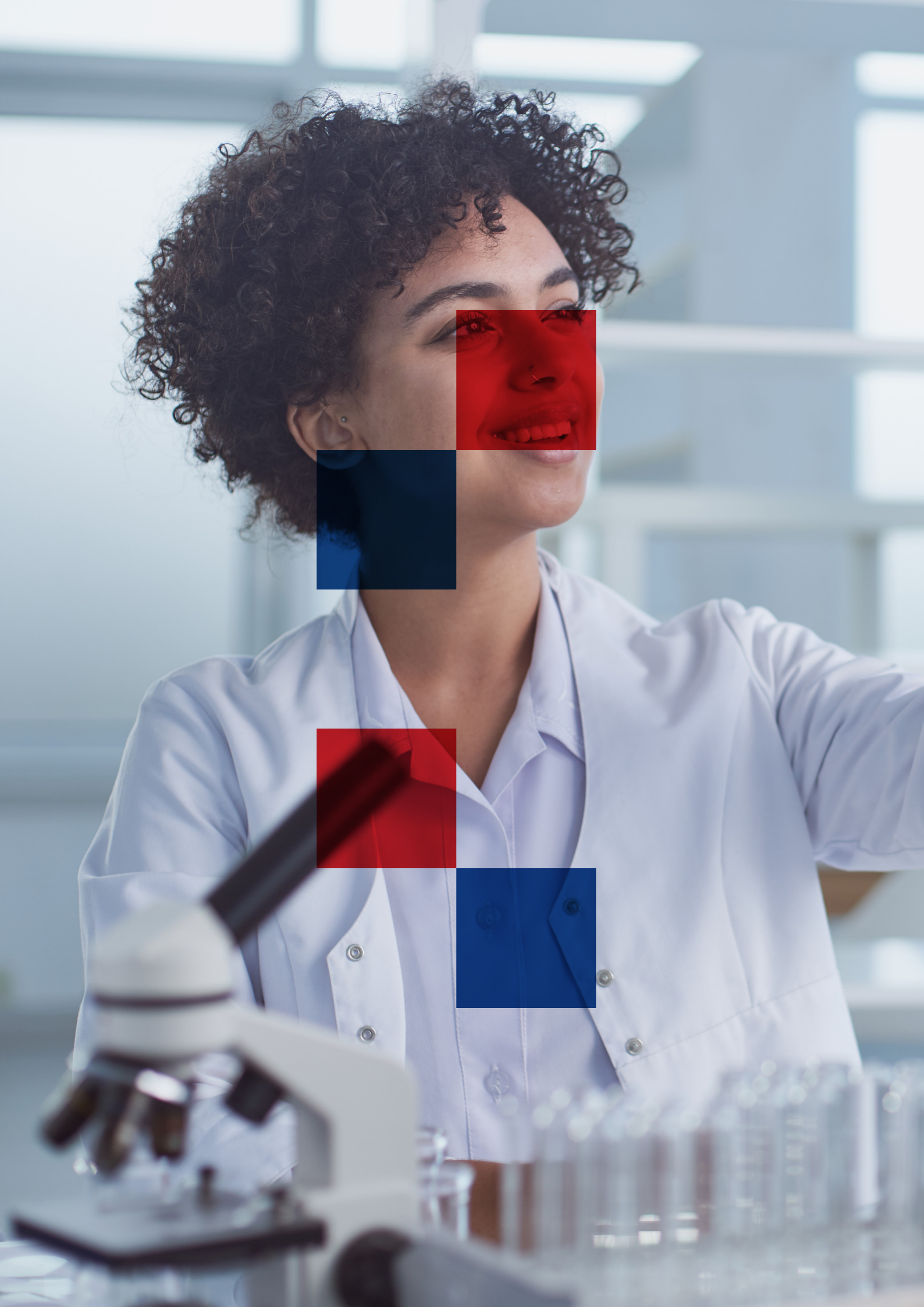
## CAREER OPPORTUNITIES



**Unlock Your Potential with a Master of Science in Pharmacology and Toxicology**  
Are you considering a career in the exciting world of pharmacology and toxicology?  
Our Master program opens doors to a wide range of rewarding career opportunities:

- ✓ **Inspire Future Generations:** Become a Lecturer in Saudi or international Colleges, sharing your knowledge and shaping the pharmacologists of tomorrow.
- ✓ **Pursue Higher Learning:** Continue your academic journey by enrolling in a Doctor of Philosophy (PhD) in Pharmacology, Clinical Pharmacology, Toxicology, Clinical Toxicology or other related sciences, expanding your expertise and contributing to cutting-edge research.
- ✓ **Leading Research Centers:** Join specialized Research Centers and contribute to groundbreaking discoveries in the field.
- ✓ **Government Health Agencies:** Make a difference in public health by working with governmental entities responsible for medicines and treatment.
- ✓ **Pharmaceutical Industries:** Dive into the dynamic pharmaceutical industry, driving innovation and improving patient lives.
- ✓ **Innovate with R&D:** Fuel advancements by working in Research and Development, where you'll be at the forefront of scientific progress.
- ✓ **Be a Lifesaver:** Play a vital role in Poison Control Centers, helping save lives and prevent harm.
- ✓ **Source of Information:** Contribute to drug safety and awareness by working in Drug Information Centers.

Embark on a fulfilling journey with our Master of Science in Pharmacology and Toxicology program. Your future in this dynamic field awaits!



## SKILLS ACQUIRED

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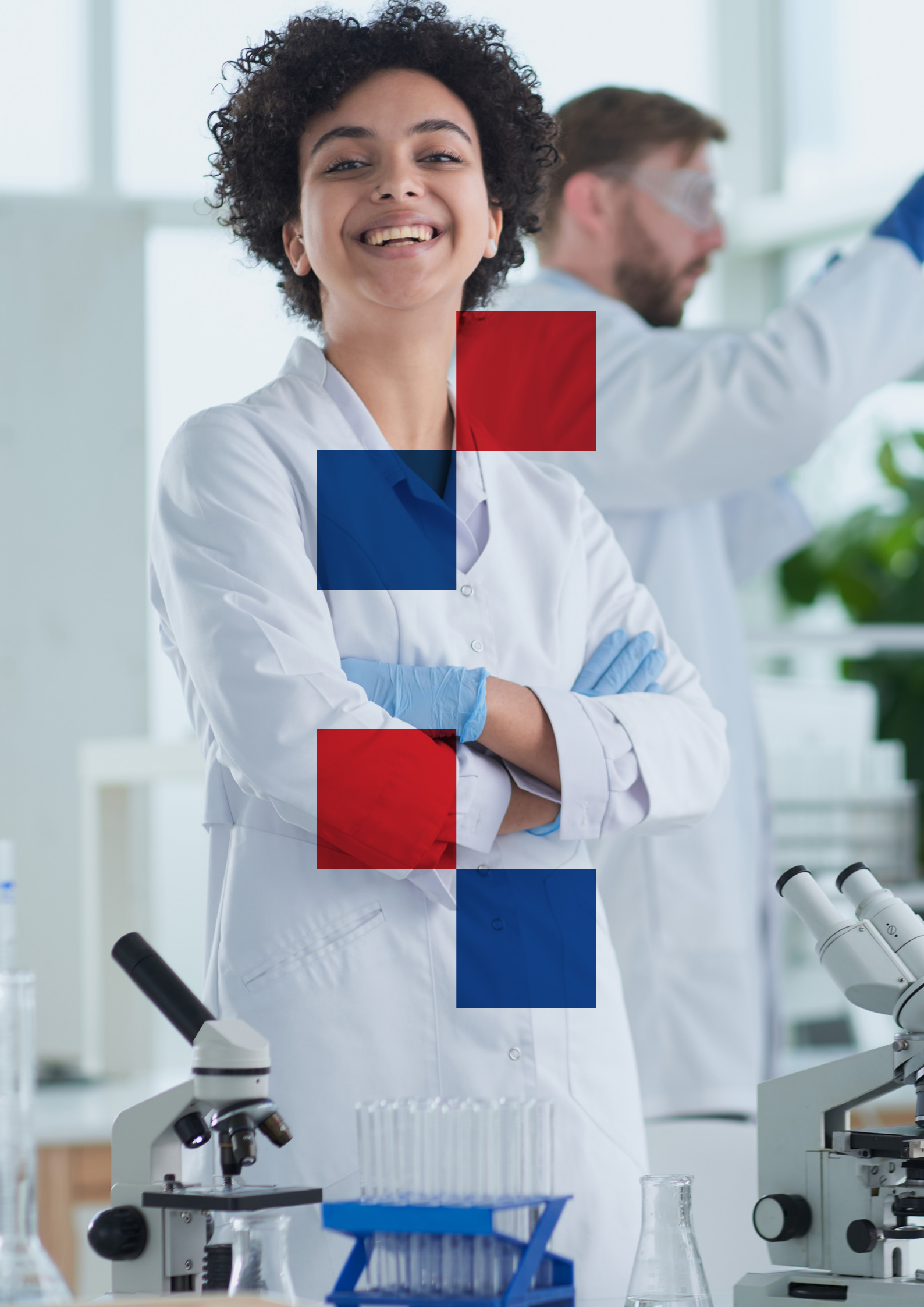


### **Master Essential Skills for a Thriving Career**

Our Master's of Science in Pharmacology and Toxicology at Batterjee Medical College equips you with a diverse set of skills, setting you on the path to success in this dynamic field:

- ✓ **Research Prowess:** Master the art of conducting academic research, including medication trials on animals in vivo and invitro and cell cultures, contributing to the advancement of medical science.
- ✓ **Effective Teaching:** Develop the ability to impart knowledge effectively, making you an excellent candidate for an academic teaching role.
- ✓ **Lecturer Excellence:** Acquire the skills needed to become a significant and influential lecturer, inspiring future generations in the field of pharmacology and toxicology.
- ✓ **Laboratory Proficiency:** Gain hands-on experience in specialized pharmacology and toxicology laboratory experiments and skills, making you adept at conducting experiments and research in these critical areas.
- ✓ **Collaborative Teamwork:** Learn to collaborate seamlessly with multidisciplinary teams, working together to discover new medications and conduct experimental trials that contribute to healthcare innovation.

Join our program and unlock your potential to excel in the world of pharmacology and toxicology. Your journey to a fulfilling and impactful career starts here



## FACILITIES & **RESOURCES**

such as well-equipped laboratories, essential research software, research centers, and libraries.



### Master of Science in Pharmacology and Toxicology

Per Year

SR-100,000/-

First Semester fees

SR-50,000/-

Second Semester fees

SR-50,000/-





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