

Master of Science in Pharmacy (One-cycle - 5years)

AIMS

The main objective of the 5-year course in Pharmacology is to train young professionals with a basic theoretical and practical knowledge in order to become a registered pharmacist, an expert in pharmaceutical products (medical and surgical products, cosmetics, dietary products, herbal products, diagnostic products etc) within the industrial sector. The Course collaborates besides with the school of Pharmacy University of Nottingham

COURSE DESCRIPTION AND CAREER PROSPECT

Graduates will acquire:

- methodology for scientific investigation in the field
- basic, multidisciplinary knowledge in understanding the drug, its structure and activity related to their interactions with bio molecules at the cellular and systemic level as well as its preparation and control;
- chemical and biological background integrated with economic, national and communitarian legislation regulating the various activities in this sector which is part of this profession as to guarantee safety, quality and efficacy of medical products in accordance with WHO (World Health Organization) and other national and European directives;
- useful information in order to work in the national health service and to be able to interact with other health care professionals; sound knowledge of scientific investigation methodology.
- mastery in using at least one European language other than Italian, in the written and oral form with pertaining lexicology.

Upon graduation and after the attainment of state licensure, our graduate may be eligible to for any of the following employment opportunities:

- drug preparation
- drug production and quality control
- lab drug control
- storage, preservation and distribution of drugs for wholesale trade
- preparation, control, storage, and distribution of drugs for drug stores

- preparation, control, storage, and distribution of drugs for hospital use
- information campaign and suggestions for the drug sector

Tor Vergata students enrolled in this degree course will have access to the laboratories of the School of Pharmacy of the University of Nottingham to carry out their stages.

ENTRY REQUIREMENTS

Maximum 80 seats plus 30 seats reserved for non-EU citizens residing abroad, 2 of which are reserved to the People's Republic of China (PRC) adhering to the project "Marco Polo".

Admission to the single-cycle course in Pharmacy, generally in September, is granted only after passing the admission test and having handed in all certificates or titles which may be evaluated by the commission.

The titles or certificates which can be evaluated are: exams taken at other institutions, attendance certificates, update activities, attendance to relevant congresses , publications related to the contents of the didactic table of the course in Pharmacy.

STUDY PLAN

Courses	CFU
Human Anatomy	10
General and Inorganic Chemistry	10
Mathematics and Informatics	6
Physics	5
Statistics	5
Animal Biology and Zoology	5+3
Organic Chemistry	10
Analytical Chemistry (lab)	8
Drugs Analysis (I)	10
Molecular Biology	9
Biochemistry	12
Microbiology and Immunology	6
Pharmaceutical Biology	6
Physiology	8

General Pathology and Pathophysiology	8
Plant Biochemistry and Physiology	4
Medicinal Plants	4
Drug analysis II (lab)	12
Pharmaceutical and Toxicological Chemistry	14
General and Molecular Pharmacology and Toxicology	12
Fundamentals of Internal Medicine	3
Pharmaceutical and Toxicological Chemistry II	12
Pharmaceutical Technologies	12
Special Pharmacology and Therapy	12
Neuropsychopharmacology	8
Chemiotherapy	8
Dermatopharmacology and Cosmetics	3
Pharmaceutical Legislation and Deontology	10
Pharmacoeconomy and Business Economics	4
Dietetics and Food Sciences including Chemistry	8
Optional Course	8
6 months stage in Hospital or private Pharmacy	30
Thesis – 15 CFU	