Career Opportunities for Graduates in
Pharmaceutical Technology

Department of Pharmacy
Faculty of Medicine and Surgery
What is Pharmaceutical Technology?

Pharmaceutical Technology combines scientific aspects that are critical in the development and manufacture of new drugs, handling of medicines and medical devices. It consists of a number of categories:

- Pharmaceutical Chemistry
- Pharmaceutical Process Technology
- Pharmaceutical Drug Analysis
- Pharmaceutical Regulatory Affairs
- Applied Pharmaceutical Sciences
- Pharmaceutical Quality
- Pharmaceutical Microbiology
- Pharmaceutical Laws and Ethics

Postnominal: B.Sc.(Hons) Pharm. Tech.
Level of Qualification: First cycle
Duration: 3 years
Mode of attendance: Full-time
Total ECTS credits: 180
Course overview:
www.um.edu.mt/ms/overview/UBSCPTCHFT-2014-5-O
Student Opportunities

- Students pursuing this degree will be trained in the industry via the annual 8-week placement
- Placements will be offered in several sections of the pharmaceutical industry and in private and governmental bodies.
- Third-year students will also have the opportunity to carry out this placement in a foreign university or company via the Erasmus Programme.

Skills Developed

- Appreciation of safety aspects to be monitored when handling medicines in order to ensure patient safety
- Communication skills: active listening, speaking skills
- Mathematical skills
- Understanding and applying medical and pharmaceutical terminology
- Correct handling, storage, and stock maintenance of medicines according to product properties
- Chemical and microbiological analytical skills
- Familiarisation with legislation and understanding of local and European GMP and GDP
- Ability to follow rules, regulations and standards according to local, European and international requirements such as GMP and GDP
- Ability to deal with risks, process failures and deviations in order to maintain product quality and patient safety.

Career Opportunities

Graduates of this programme can pursue a variety of career and job opportunities. They are trained and educated to work as scientists and researchers in the pharmaceutical industry and in pharmaceutical and healthcare organisations such as:

- Quality assurance departments
- Quality control laboratories
- Production and partial manufacturing facilities
- Regulatory affairs
- Medicines wholesalers, drug distribution and medical representatives
- Government pharmaceutical services such as procurement, distribution and POYC.
“With the increasing need for professionals with a pharmaceutical background, a course like this is exactly what is needed. The skills acquired give the students a satisfactory level of education related to the processes involved in the handling of medication. Those who are inclined towards the pharmaceutical sector will definitely benefit from this course.” - Abigail Bezzina, 1st year student

“A very interesting course which targets the pharmaceutical industry and the various stages of production of medicinal products. The annual 8-week internship is very enriching as it helps the students link what was learnt in class with what is dealt with on the workplace.” - Celine Psaila, 2nd year student

“A course designed specifically with the pharmaceutical industry in mind. In this course we did not only learn the theory, but were also given a chance to put it to practice during the 8-week internships.” - Diane Camilleri, 3rd year student

“This course is a good choice as it prepares the student for work not just from the theoretical side, but also from the practical point of view. It has been prepared with the stakeholders’ interests in mind aimed for a career in the pharmaceutical industry.” - Daniel DeGaetano, graduate

“The course encompasses various theoretical and technical aspects, both of which are fundamental assets within the pharmaceutical industry. Finding employment was not a problem as I was recruited immediately after completing the course. This course is tailor-made in order to produce students with a crisp understanding of the structures and processes within the pharmaceutical industry. This is what employers look for.” - Kirsten Mangion, graduate

www.um.edu.mt/ms/pharmacy
Email: michelle.drago@um.edu.mt
Tel: +356 2340 2899