School of Pharmacy and Pharmaceutical Sciences

CAO Course Code: TR072
Places 2014: 75
Points 2012: 565
Degree awarded: B.Sc. (Pharm.)
Further information: [www.tcd.ie/Pharmacy](http://www.tcd.ie/Pharmacy)
E-mail: pharmacy@tcd.ie
Tel: +353 1 896 2809
Student profiles: see course description at: [www.tcd.ie/courses](http://www.tcd.ie/courses)

Introduction
Pharmacy is the study of all aspects of drugs, both of natural and synthetic origin, including their chemistry, formulation as medicines, their mode of action and their safe use as medicines by patients.

Is This Course Right For Me?
A Pharmacy degree is an essential requirement if you wish to practise as a community or hospital pharmacist. The Trinity course also opens many professional opportunities in both industry and the healthcare sector. A strong interest in science is important and will make your studies in the School of Pharmacy and Pharmaceutical Sciences more enjoyable for you.

Course Overview
The School aims, through the B.Sc. (Pharmacy) undergraduate programme, to produce pharmacy graduates who will enhance health care through their patient-oriented understanding of aspects of disease, health strategies, medicines and pharmacoeconomics of existing and new therapies. The pharmacy syllabus has been designed to provide students with an all-round education in both the basic and pharmaceutical sciences and in the practice of pharmacy itself.

Career Opportunities
Career prospects are excellent. Employment opportunities exist in all areas - community, hospital and industrial pharmacy, as well as in state services such as medicines licensing. The degree is an essential requirement for those wishing to practise as community or hospital pharmacists. In addition, graduates can opt to undertake research, or apply for entry to one of the postgraduate courses in hospital, industrial or community pharmacy.
The Pharmacy Degree and Professional Qualification

Currently, the five-year Pharmacy programme in Ireland consists of a Pharmaceutical Society of Ireland accredited four-year Bachelor degree programme in a School of Pharmacy, followed by a one-year Internship Programme which results in the award of a level 9 Masters degree.

A National Forum on Pharmacy Education and Accreditation (the National Pharmacy Forum) is working with the three schools of pharmacy in Ireland (TCD, UCC and RCSI) and all the major stakeholders to change the model of pharmacy education and develop a five year integrated programme whereby the full five years of pharmacist education becomes the responsibility of the higher education institutions (HEIs). Students will graduate with an MPharm degree after a five year programme, with work-place learning integrated into the five years.

Course Content

Some of the subjects covered during the four years of the course are:

- Biology
- Physiology
- Biochemistry
- Microbiology
- Pharmaceutical calculations and data handling
- Medicinal chemistry
- Pharmaceutical analysis
- Physical pharmacy
- Pharmaceutical chemistry
- Pharmaceutical biotechnology
- Pharmaceutics and pharmaceutical technology
- Pharmacognosy
- Pharmacology
- Practice of pharmacy

In the final year, students undertake a research project and will also prepare a dissertation on an aspect of pharmacy practice linked to a community, hospital or industry option of your choice.

Special Entry Requirements:

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<tr>
<th>Leaving Certificate</th>
<th>Mathematics</th>
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<tr>
<td>OC3 or HD3</td>
<td>Chemistry</td>
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<tr>
<td>HC3</td>
<td>In one of physics, biology, mathematics, applied mathematics, geography, geology, or agricultural science</td>
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<tr>
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<tr>
<th>GCSE</th>
<th>Chemistry</th>
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<tbody>
<tr>
<td>Grade B</td>
<td>In one of physics, biology, mathematics, geology, or agricultural science</td>
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<th>Advanced GCE (A-Level)</th>
<th>Mathematics</th>
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<tr>
<td>Grade C</td>
<td>Chemistry</td>
</tr>
<tr>
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<td>In one of physics, biology, mathematics, geology, or applied mathematics</td>
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Graduate Entry:

A graduate entry route to this degree is also available. See [www.tcd.ie/Admissions/undergraduate/apply/entry-pharmacy](http://www.tcd.ie/Admissions/undergraduate/apply/entry-pharmacy) for further details.

**English Language requirements for BSc Pharmacy**

IELTS: 6.5 (no individual band below 6)

Academic requirements: [www.tcd.ie/Admissions/undergraduate/requirements/](http://www.tcd.ie/Admissions/undergraduate/requirements/)

Information for international students wishing to study at TCD: [http://www.tcd.ie/international/](http://www.tcd.ie/international/)