BSc. in Pharmaceutical Science (Level 7) (online)

Programme number: SG_SPHAD_B07
Delivery: Online

Pharmaceutical Science

The pharmaceutical industry is responsible for discovering and producing a wide range of proprietary medicines. In recent years the development and processing of pharmaceutical medicines has become a major feature of the overall pharmaceutical sector. The processes involved in this industry are more chemical based active pharmaceutical industry (API, small-molecule pharmaceutical products) synthesis and formulation compared to the biopharmaceutical industry which is more biological-based processes.

About the programme

The Pharmaceutical Science Level 7 programme aims to prepare participants to work and to up skill within this industry from initial drug design and discovery through to formulation of the final product. This is a truly interdisciplinary science course in which chemistry, formulation, processing/manufacturing and auditing/validation are integrated into this broad-ranging qualification. The two year degree (level 7) provides students with a comprehensive but thorough introduction to a wide range of chemical and technological disciplines as they relate to the study and production of medicinal products.
IT Sligo has strong links with the pharmaceutical industry which ensures that our courses offer the vital skills and knowledge that are required in this expanding sector. The programme comprises core pharmaceutical industry subjects with emphasis being placed on modern operations technology. Modules included in this course are Scientific Communication, Pharmaceutical Analysis, Pharmaceutical Chemistry, Colloidal Science, Pharmaceutical Formulation, Statistics and Computing, Pharmaceutical Processing and Medical Device Manufacture, Compliance Auditing & Validation and Pharmaceutical Manufacturing. These modules will give graduates an appreciation of Pharmaceutical processes and greatly help them progress in their careers.

**After you Graduate**

Graduates from this programme can expect to find employment in the Pharmaceutical sector. They will have a vast knowledge and understanding of pharmaceutical formulation, processing/manufacturing, methods of analysis, validation and auditing. In the development of this programme emphasis has been placed on aligning the course content with the skills required by the Pharmaceutical industry, whilst ensuring that there is sufficient flexibility to allow students to move laterally into associated careers. Graduates are typically employed in Scientific, Operations and Quality Assurance / Control positions in the Pharmaceutical industry both in Ireland and abroad. Their work may involve the manufacture of novel medicines, process validation and process optimization.

**Entry Requirements**

Level 6 on the NFQ (Higher Certificate) in Science or in a cognate area. Applicants with other qualifications and/or with relevant experience will also be considered through IT Sligo’s RPL process.

- Applicants whose first language is not English should provide evidence of English language proficiency.
- **Further information for students applying from within the EU**
- **Further information for students applying from outside the EU**
# Modules (credits awarded)

## Year 1 (September 2016 to May 2017)

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## Year 2 (September 2017 to May 2018)

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**Award:** Level 7  
**Duration:** 2 years  
**Application Deadline:** August 29th, 2016

### Further Information

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