

Bachelor of Science in Applied Industrial Science



Industry
Experienced
Lecturers

This new and innovative Level 7 BSc Applied Industrial Science intensive workplace-based programme offers a new mode of study blending workplace-based activities and learning with online academic study. This programme provides the opportunity for employees to combine online study of industry-related academic modules with completion of Workplace-Based Learning, anchored in the workplace. This provides a robust, efficient, and cost-effective means of study towards a Level 7 degree, from the student's place of employment, and is designed to enhance personal subject-based and transversal skills/competencies to enhance graduate employability and advancement.

Course Title	Credits	NFQ Level	Delivery	Duration
BSc in Applied Industrial Science	60	7	Online	1 year



Scan QR Code
directly to
BSc Applied Industrial
Science Level 7

Entry Requirements

The programme is open to employees who hold a cognate Level 6 qualification, anchored in an appropriate industrial science-based workplace for the duration of the programme.

Given the Workplace-Based Learning requirements of the programme, which necessitates employment in a cognate industrial science-based workplace, all learners will have to verify there is a suitable agreement in place with their employer to facilitate entry and their undertaking this programme, and that the employer is willing to support completion of workplace-based activities anchored in the workplace.



Target Applicants

This programme inherently requires completion of workplace-based modules and so applicants must be employed in a cognate industrial science-based workplace throughout the duration of the programme. Given the intensive one-year period of study of 60 ECTS, this mode of study is targeted at highly motivated and engaged individuals that seek to upskill to BSc from the workplace. It is envisaged that this programme will facilitate progressive workplaces to support employee advancement, reskilling, cross-skilling, and Continuing Professional Development.

Programme Structure

This innovative programme combines a blend of Workplace-Based Learning Modules plus Online Academic Modules undertaken over two Semesters comprising one Academic Year. This latest programme offering from the Department of Life Sciences at ATU Sligo has been developed in conjunction with industry to allow employees the opportunity to study towards a Level 7 BSc qualification whilst they are working. Graduate of the BSc Applied Industrial Science programme will therefore have gained relevant academic knowledge and industry-based skills throughout their studies which should enhance employability and career advancement.

SEMESTER 1 INDIVIDUAL MODULES OF STUDY	ECTS
PROFESSIONAL SKILLS AND WORK-BASED LEARNING 1	10
PHARMACEUTICAL CHEMISTRY (ONLINE)	5
INTRODUCTION TO ADVANCED PHARMACEUTICAL SCIENCE (ONLINE)	5
PHARMACEUTICAL PROCESSING AND MEDICAL DEVICE MANUFACTURE (ONLINE)	5
STATISTICS FOR SCIENTISTS (ONLINE)	5
SEMESTER 2 INDIVIDUAL MODULES OF STUDY	ECTS
PROFESSIONAL SKILLS AND WORK-BASED LEARNING 2	10
ACTIVE INGREDIENT SYNTHESIS (ONLINE)	5
PHARMACEUTICAL FORMULATION (ONLINE)	5
PHARMACEUTICAL ANALYSIS (ONLINE)	5
PHARMACEUTICAL QUALITY SYSTEMS (ONLINE)	5
Total	60 ECTS



Further Study

Having engaged in workplace-based and online learning, high-achieving graduates of the Level 7 Applied Industrial Science programme should be well-prepared for progression onto the Level 8 BSc Hons Applied Industrial Science programme or equivalent online or campus-based Level 8 programmes at ATU Sligo or elsewhere.

For further information

ATU Sligo
Online and Part time Admissions
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www.atu.ie/sligoonline

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