

WHAT OUR GRADUATES ARE SAYING



“ **GOODNESS BIYELA, DEGREE IN PHARMACEUTICAL BUSINESS OPERATIONS GRADUATE**

Innopharma have courses that are really well structured and well managed. I was able to manage my time and my work and still be able to study. Look at Innopharma, they will be able to assist you with anything. ”

“ **VALTER DA SILVA, HONOURS DEGREE IN PHARMACEUTICAL BUSINESS OPERATIONS GRADUATE**

I completed the BA Honours Degree in Pharmaceutical Business Operations. I already work for the pharmaceutical industry. I am a Master Data Analyst with Allergan. For me, it was incredible in terms of the technology available to complete the class online. ”



“ **JOANNA GALLON, DEGREE IN PHARMACEUTICAL BUSINESS OPERATIONS GRADUATE**

Lectures are really helpful. The course has online lectures so anytime I couldn't actually go to college to study I could play the classes online. I could play the recorded session which meant I never missed a class. ”



CHANGE DIRECTION, ADVANCE YOUR CAREER



HONOURS DEGREE IN PHARMACEUTICAL BUSINESS OPERATIONS

NFQ Level
8



This Honours Degree is suitable for those who wish to develop their career in the areas of pharmaceutical operations, compliance, business improvement, technology transfer, validation and clinical trials. With extensive input and participation from the pharmaceutical and clinical trial sectors, this programme is ideal for those involved in manufacturing, compliance, business improvement, quality assurance, validation, data analytics, clinical trial coordination, validation, data analytics and clinical coordination.

DELIVERING EXCELLENT RESULTS

Over 70%
of our Innopharma Graduates have successfully advanced their career post completion of our courses.

About Innopharma

Innopharma Education works at the forefront of skills and learning in high-tech manufacturing, advancing skills and capabilities across the Pharmaceutical, MedTech and Food Science industries.

Established in 2009, we work with our education partners to develop and deliver industry-focused and accredited qualifications to meet the needs of Irelands growing STEM sectors.

Specifically designed for those who wish to change or advance their career in the process manufacturing pharmaceutical, medical device or food sectors, our courses upskill and equip people from diverse backgrounds with the knowledge and skills necessary to successfully secure promising career opportunities in these fast-growing sectors.

Innopharma Technology design and develop pharma 4.0 data and technology solutions to help development and manufacturing teams improve their processes and deliver better outcomes in drug manufacturing.

For more information on our award winning range of courses contact us on:

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e-mail: admissions@innopharmalabs.com
Visit our website on www.innopharmaeducation.com
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- Develop your skills in the pharmaceutical industry
- Kick-Start your science and technology career with this accredited, part-time, blended learning, degree
- Gain expertise in manufacturing, science, regulation, quality, technical writing, lean operations and team lead skills
- Experienced academic and industry lecturers
- Minimise disruption to your schedule with blended learning solutions

ENTRY REQUIREMENTS

Entry to Year One requires a QQI Level 6 or higher in Science, Engineering, Quality or a related discipline. Successful completion of Year One allows learners to progress to Year Two.

ACCREDITATION

QQI Level 8 BA Honours Degree Pharmaceutical Business Operations. Successful learners can exit after Year One and obtain a Level 7 BA in Pharmaceutical Business Operations.

DURATION AND HOURS

The part-time programme runs over four semesters. Lectures are delivered online two evenings per week plus two Saturdays per month in-class.

ACADEMIC PROGRESSION

On successful completion of the BA Honours programme graduates can progress to the MSc in Pharmaceutical Business & Technology.

UPSKILL FOR THE STEM MANUFACTURING SECTORS IN IRELAND

WHY UP-SKILL FOR THE STEM PROCESS MANUFACTURING SECTORS IN IRELAND?

Over 130,000
employed within these industries

Over 40,000
new jobs predicted

Over €62 billion
in exports

9 of top 10
world's biopharma companies in Ireland

8 of the top 10
worlds medtech companies in Ireland

Over 8,000
new jobs predicted by 2020

Globally recognised centre of excellence

Who is the programme for?

The programme is suitable for those who wish to develop their career in the areas of pharmaceutical operations, compliance, business improvement, technology transfer, validation, clinical trials and data analysis. With extensive input and participation from the pharmaceutical and clinical trials sectors, this programme is ideal for those involved in manufacturing, compliance, business improvement, quality assurance, validation, data analytics and clinical trial co-ordination.

Combining STEM & Business Skills

This programme will focus on core competencies such as pharmaceutical quality management systems, pharmaceutical manufacturing & distribution, strategic management, clinical research, project planning and finance and professional & technical communications.

Career Progression

A substantial focus of the programme will also develop the learner's professional skills to enhance their future career opportunities though professional development activities such as developing a successful CV, interview, presentation and communication skills.

COURSE CONTENT

<p>Year 1</p> <p>PHARMACEUTICAL MANUFACTURING ECTS CREDITS: 10</p> <p>Pharmaceutical dosage forms; drug product formulation and their chemical function; pharmaceutical and biopharmaceutical manufacturing processes; quality control release testing requirements; stability testing; serialisation; process validation; change control.</p> <p>MANAGEMENT & ORGANISATIONAL BEHAVIOUR ECTS CREDITS: 5</p> <p>Organisational structure and design; organisation culture and change; management & leadership; organisational control and power; work groups and teams in organisations.</p> <p>OPERATIONS MANAGEMENT ECTS CREDITS: 5</p> <p>Operations management; sales & operations planning; planning control and improvement; performance measurement; project planning; operational governance.</p>	<p>REGULATORY AFFAIRS & VALIDATION ECTS CREDITS: 10</p> <p>Regulatory requirements for pharmaceutical manufacturing; distribution and clinical trials; elements of typical GXP quality systems; clinical trials; pharmaceutical manufacturing; pharmaceutical distribution; marketing authorisation application; current trends in GMP.</p> <p>OPERATIONAL EXCELLENCE - LEAN SIGMA ECTS CREDITS: 10</p> <p>Lean thinking; six sigma; project planning; process mapping; root cause analysis; creative solutions; corrective action preventative action; data analysis; data visualisation; presentation skills; effective decision making.</p> <p>CONTROL SYSTEMS AND REAL TIME ANALYTICS ECTS CREDITS: 10</p> <p>Control and data management systems; system development lifecycle; process analytical technologies; pharma 4.0; data analytics; real-time control system; critical quality attributes.</p>	<p>CLINICAL RESEARCH CO-ORDINATION ECTS CREDITS: 10</p> <p>Research & development process; clinical studies; statistical concepts in a clinical study; drug safety system; regulations & directives applicable to clinical trials; GCP inspection; clinical study reports & clinical overview</p> <p>CAREER PROGRESSION</p> <p>Fundamentals of developing a successful CV; cover letters; presentation and communications skills; networking; interviewing skills; personal coaching & mentorship.</p> <p>Year 2</p> <p>PHARMACEUTICAL QUALITY MANAGEMENT SYSTEMS ECTS CREDITS: 10</p> <p>Pharmaceutical quality systems; validation; change control; investigations; audit performance; annual product reviews; quality metrics; risk management.</p>
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<p>PHARMACEUTICAL MANUFACTURING & DISTRIBUTION ECTS CREDITS: 10</p> <p>Biopharmaceutical manufacturing overview; pharmaceutical packaging; good distribution practice; product release; falsified medicines directive.</p> <p>STRATEGIC MANAGEMENT ECTS CREDITS: 10</p> <p>Introduction to strategic management; scanning the environment; strategy formulation; strategy implementation & change management; evaluation and control.</p> <p>CLINICAL RESEARCH ECTS CREDITS: 10</p> <p>Drug development lifecycle; phases of clinical research; primary regulations & directives; GCP auditing / pharmacovigilance; clinical pharmacology.</p> <p>PROJECT PLANNING AND FINANCE ECTS CREDITS: 10</p> <p>Project management; project initiation & conceptualisation; project scheduling and time management; project budgeting / costing; project closure & communication; project leadership & communication; risk management.</p> <p>PROFESSIONAL & TECHNICAL COMMUNICATIONS ECTS CREDITS: 10</p> <p>Career preparation skills; CV development; Interview skills; technical communications.</p>



Griffith College

Delivered in partnership with Griffith College Dublin.

CAREER OPPORTUNITIES

- Team Leader / Supervisor /Manager
- Compliance Specialist
- Business Improvement Specialist
- Quality Assurance
- Validation Specialist
- Data Analytics
- Clinical Trial Co-ordination

