

---

# BSc Supply Chain Management

---

## Programme Information

---



**UNIVERSITY of LIMERICK**

**O L L S C O I L L U I M N I G H**

---

### **Contents**

Programme Title.....	1
Award Type.....	1
Rationale .....	1
Learning Outcomes.....	2
Structure.....	3
Entry Requirements .....	3
Exit Awards:.....	4
BSc Degree in Supply Chain Management Years 1 & 2.....	5
BSc Degree in Supply Chain Management Years 3 & 4.....	6

**Programme Title:**

Bachelor of Science in Supply Chain Management

**Award Type and Level on National Framework of Qualifications:**

Bachelor of Science Honours Degree Level 8

**Rationale:**

The development of this programme was inspired by a specific demand from industry to meet the clear need to upskill current personnel who have shown the aptitude and a record of accomplishment in supply chain operations to aspire to a degree level qualification. This programme represents the outcome of a close, respectful, responsive, and productive collaboration with a number of industry partners locally and internationally. It has strong potential to reach a broader supply-chain audience, both in Europe and in Asia.

Supply-chain enterprises operate in a highly dynamic business environment characterised by three Cs – change in globalisation such as outsourcing, change in product possibilities and expectations such as product-service bundling, and change in ways of integrating businesses such as the emergence of enterprise networks.

This programme's content aligns with the framework of the Supply-Chain Council's Supply Chain Operations Reference model (SCOR). While in the form of a template, this model places operations planning and control centrally in a way that prior implicit framings did not and so provides a basis for the strongly conceptual navigations that supply-chain managers face in their everyday lives. The programme combines strong human factor, cause-effect modelling, and process improvement orientations to leverage innovative opportunities.

To specifically target those currently employed, or seeking employment, in a variety of technology rich industries, such as Pharmaceutical, Medical Devices, Biotechnology and Manufacturing, who require a degree qualification and are seeking the same for professional advancement.

The BSc in Supply Chain Management underpins supports and is consistent with the objectives of the University of Limerick Strategic Plan:

(a) Broadening access to and offering greater flexibility in the delivery of programmes of study that are relevant to the needs of students and society. Education and development of human capital are widely acknowledged as factors contributing to issues such as greater social inclusion, labour market progression and participation (CSO, 2007) and economic development. The BSc in Supply Chain Management is an innovative programme that provides an opportunity to a wide range of people to increase their educational attainment and employability through the attainment of a recognised level 8 qualification

(b) Increasing the diversity of the undergraduate population by increasing the numbers of Lifelong Learning and mature students. The flexible learning model allows for greater access for mature students. This will particularly benefit those for whom full time education may not be feasible due to work, family or other commitments

(c) Renewing our commitment to breath in the undergraduate curriculum by offering students a wider choice.

(d) Maintaining in the curriculum a balance of breadth and depth that develops our student's independent lifelong learning capacity so that they become versatile and adaptable graduates.

(e) Continually enhancing the skills base of the workforce. The BSc in Supply Chain Management is specifically designed to broaden and develop the competencies from a variety of disciplines required by export orientated organisations and those that are part of a larger supply chain.

The programme seeks to support and guide participants by providing a learning environment that leverages their existing knowledge, skills and experience to enable them to achieve a broader management perspective and related strategic insights.

### **Learning Outcomes:**

After completing this programme, students should be able to:

#### *Knowledge - Breadth and Kind:*

- Identify the fundamental theories, concepts and methods that inform supply chain management to a level of strategic decision making competency.
- Demonstrate detailed knowledge and understanding of specialised areas pertaining to the different supply chain functions, in particular Planning, Sourcing, Manufacture, Delivery & Return and the enabling factors.
- Develop a high level of technical competency and skill around the activities involved in the functions of a supply chain within a variety of sectors, in particular Planning, Sourcing, Manufacture, Delivery & Return and the enabling factors of enterprise settings.

#### *Knowhow and Skill - Range and Selectivity:*

- Display specialised technical, analytical and creative skills that are fundamental to problem solving and decision making in the particular context of supply chain management.
- Apply knowledge pertaining to different supply chain functions, in particular Planning, Sourcing, Manufacture, Delivery & Return and the enabling factors of enterprise settings, in an organisational context, through application or case study.
- Develop graduates to transfer and apply skills developed to a variety of Supply Chain Management roles.

#### *Competence - Context and Role:*

- Cultivate skills in problem identification, research design, data analysis and problem solving and exploit those skills to enhance capability and facilitate process optimisation in the management of a supply chain.
- Display interpersonal skills, knowledge, confidence, and capability to engage effectively with peers, and other relevant personnel, teams and groups and acting with professional competence and effectiveness when engaging in management/leadership roles undertaking supply chain roles.

#### *Competence - Learning to Learn:*

- Enable graduates to facilitate sustainable improvements at the personal and enterprise level through effective work systems and improved knowledge management in the area of supply chain capability.

- Develop in the competency and skills to engage in continuous professional development and reflective learning to achieve personal goals and targets in addition to meeting career development objectives.

*Competence - Insight:*

- Acknowledge the role of the core areas of supply chain management, while also appreciating the critical issues of globalisation, the internationalisation of business and corporate responsibility, in the development of a global business.
- Be able to synthesise various theories, concepts, issues, problems and as a result develop and articulate ideas, views and insights pertaining to supply chain management.

## **Structure**

The terminal award on this programme is a Bachelor of Science (Honours) in Supply Chain Management NFQ Level 8.

The BSc programme will allow entry into year 1, 2, or 3 of the programme onto the BSc route provided applicants meet the entry criteria specified. Once a student enters the programme normal progression rules will apply.

The programme is designed as a continuous professional development programme and will give exempted credits for the BSc route into the year of study to successful applicants who meet the specified entry requirements and can demonstrate that they have attained the learning outcomes of the exempted years.

There will be an exit point at the end of year 1, 2 and year 3 for those on the BSc route who successfully complete the years study and are eligible to progress but who do not wish to do so.

There is no provision for the conferring of awards on progressing students.

## **Entry Requirements**

In addition to the Year specific requirements the following are required:

I) Submission of a prior learning and prior experiential learning portfolio, to document prior learning and work experience in general and specifically around the field of Supply Chain management related studies. This portfolio is to demonstrate the attainment of the learning outcomes of the previous years of the programme from which the applicant is seeking exemptions.

and

II) If deemed necessary, completion of PT4900 skills portfolio modules and/or an interview.

PT4900 is a formalised skills portfolio development module designed to assist candidates capture and report their professional and personal skills development and to codify their prior experiential learning. Candidates will only be required to complete PT4900 if their prior learning and prior experiential learning portfolio submitted with their application is not of a standard to facilitate an assessment of their eligibility for admission.

UL's PRL policy will be applied to this course. The course board may at its discretion accept a level 6 qualification with stronger evidence of prior learning and experience.

### ***Year 1 Entry***

Open entry to those applicants with work experience >23yrs of age and for those < 23yrs of age a pass leaving certificate or equivalent.

Work experience of 1 year in any manufacturing or service organisation. Plus I & II above.

### ***Year 2 Entry***

NFQ level 7 qualification 60 ECTS in any discipline, or in cases with where the board deem it appropriate a Level 6 qualification in a cognate discipline and appropriate work experience.

Work experience of 3 years in any manufacturing or service organisation. Plus I & II above.

### ***Year 3 Entry***

NFQ level 7 award 120 ECTS in a cognate business, science or technical discipline.

Work experience of 5 years in any manufacturing or service organisation, with 2 years in a supply chain related role. Plus I & II above.

### **Exit Awards:**

Year 1: *Certificate in Supply Chain Management L6 60ECTS* for those wishing the exit at the end of Year 1

Year 2: *Certificate in Supply Chain Management L7 120 ECTS* for those wishing the exit at the end of Year 2

Year 3: *Diploma in Supply Chain Management L7 180 ECTS* for those wishing the exit at the end of Year 3

Year 4: *Bachelor of Science in Supply Chain Management L8 243 ECTS.*

## BSc Degree in Supply Chain Management Years 1 & 2

Year 1: 60		Credits		Year 1		Credits		Year 1		Credits							
Semester 01			30			Semester 02			24			Semester 03			12		
Recognition of prior Learning and work Experience			30			1	IE3X12	Supply Chain Operations Management	6		1	MG2152	Case Study	6			
						2	AU3042	Introduction to Operations Engineering	6		2	PT3X13	Reflective Learning Portfolio (SCM)	6			
						3	MG2X32	Supply Chain Management Structures	6								

Year 2		Credits		Year 2		Credits		Year 2		Credits							
Semester 01			24			Semester 02			24			Semester 03			12		
1	<a href="#">MG2101</a>	Management & Leadership	6		1	<a href="#">IEX169</a>	Introduction to Models & Frameworks for SCM	6		1	<a href="#">IEX167</a>	Supply Chain Case Study 1	6				
2	<a href="#">PT3001</a>	Introduction of Supply Chain Management	6		2	<a href="#">AU3014</a>	Operations Engineering	6		2	<a href="#">IEX168</a>	Skills Portfolio (Supply Chain Management)	6				
3	<a href="#">AU3023</a>	Statistics	6		3	<a href="#">MG2132</a>	Quality Management - CRM	6									
4	<a href="#">MG2131</a>	Managing Communications	6		4	<a href="#">PM2082</a>	Managing Change and Conflict	6									

## BSc Degree in Supply Chain Management Years 3 & 4

Year 3			Credits	Year 3			Credits
Semester 01			27	Semester 02			33
1	<a href="#">MA4010</a>	PREPARATORY MATHEMATICS	3	1	<a href="#">PT3051</a>	SOURCE WITHIN SUPPLY CHAINS	6
2	<a href="#">PT3101</a>	FRAMEWORKS FOR SUPPLY CHAIN MANAGEMENT	6	2	<a href="#">PT3041</a>	LEAN SIGMA IMPROVEMENT METHODOLOGIES	6
3	<a href="#">PT3011</a>	PLAN WITHIN SUPPLY CHAINS (DDMRP & Forecast)	6	3	<a href="#">PT3071</a>	INFORMATION SYSTEMS & DECISION SUPPORT	6
4	<a href="#">PT3021</a>	MAKE WITHIN SUPPLY CHAINS	6	4	<a href="#">MGX181</a>	SUPPLY CHAIN RISK ASSESSMENT AND FORECASTING	6
5	<a href="#">PM3081</a>	ORGANISATIONAL BEHAVIOUR 1	6	5	<a href="#">MGX182</a>	CASES IN SUPPLY CHAIN MANAGEMENT	9

Year 4			Credits	Year 4			Credits
Semester 01			30	Semester 02			30
1	<a href="#">PT3061</a>	DELIVER AND RETURN WITHIN SUPPLY CHAINS	6	1	<a href="#">MG3652</a>	STRATEGIC MANAGEMENT	6
2	<a href="#">MG4917</a>	SUPPLY CHAIN & CUSTOMER RELATIONSHIP MANAGEMENT	9	2		Decision Making in Supply Chians	6
3	MG4927	CROSS CULTURAL MANAGEMENT (PT3031 TCCD)	9	3	<a href="#">AC4906</a>	CORPORATE SOCIAL RESPONSIBILITY	9
4	<a href="#">PT4025</a>	SIMULATION MODELLING & ANALYSIS	6		<a href="#">PTX184</a>	SUPPLY CHAIN PROJECT 3	9

