

German Jordanian University  
School of Management and Logistic Sciences  
Department of Logistic Sciences

الجامعة الألمانية الأردنية  
German Jordanian University



**Modified  
Study Plan  
B.Sc. in Logistic Sciences**

**Academic Year 2018-2019**

## **Introduction:**

The department of logistic sciences at the school of Management and Logistic Sciences is the first department specialized in logistics and supply chain management to be opened in Jordan. So far, no other specialized academic departments are available in the country. Programs offered by the department of Logistic sciences provide students with the knowledge and skills needed for access or progression in fields of logistics and supply chain management.

The programs offered by the department cover the major components of logistics system including: purchasing strategies, transportation management, warehouse design and operations, inventory planning and control, supplier-customer relationships, import and export operations, and retail logistics management. The programs include the topics of supply chain management and integration, logistics system optimization, humanitarian logistics, green logistics and sustainability, and the contemporary issues in logistics.

## **Objectives:**

The objectives of B.Sc. in Logistic Sciences program are established in line of the university's strategic goals since the program aims:

- PO1.* To provide students with a comprehensive understanding of the major elements of theory and application of logistics and supply chain management.
- PO2.* To expose students to a wide spectrum of opportunities for future employment in a wide range of sectors and prepare them for the international job market.
- PO3.* To empower students and provide them with the national and international in-hand practical knowledge in logistics and supply chain management.
- PO4.* To create a learning environment for students to develop their knowledge and understanding of logistics and supply chain management practices.
- PO5.* To equip students with a broad perspective in inbound and outbound logistics and global business environment.
- PO6.* To allow students to develop a detailed understanding of end-to-end supply chain and the flow of information and materials within and between organizations.
- PO7.* To develop the students' conceptual understanding and technical competence they need for decision making and problem solving.
- PO8.* To develop and enhance the students' personal, intercultural and intellectual abilities for a lifelong learning and contribution to the society.
- PO9.* To prepare students for postgraduate degrees and professional certificates in specialized logistics and supply chain management fields.

## **Learning Outcomes:**

A successful completion of the B.Sc. in Logistic Sciences program enables students to:

### **Knowledge:**

- LO1.* Understand the best practices and stakeholders' roles in supply chain management, logistics and procurement.
- LO2.* Comprehend the major strategies in designing and operating logistics network.
- LO3.* Understand the impacts of globalization on supply chain management and trade.
- LO4.* Relate to operations management and information systems in managing warehouse, inventory and transportation.
- LO5.* Recognize the importance of logistics sustainability and the different supply chain management functions within a humanitarian context.

**Competencies:**

- LO6.** Improve the efficiency and effectiveness of the supply chain performance between and within organizations.
- LO7.** Diagnose and troubleshoot supply chain problems and apply quality management systems.
- LO8.** Implement marketing strategies and supplier/customer relationship systems through supply chain network.
- LO9.** Demonstrate professional interpersonal and communication skills within organizations.
- LO10.** Assess the feasibility of projects and discuss the logistics economics and financial flows.
- LO11.** Apply the managerial skills needed for management roles within logistics and supply chain.

**Skills:**

- LO12.** Use information technology appropriately in acquiring, analyzing and presenting information.
- LO13.** Interpret qualitative and quantitative information by applying mathematical and statistical techniques.
- LO14.** Use Arabic, English and German languages effectively to communicate ideas and arguments in business environments within intra-/intercultural contexts.
- LO15.** Solve problems and make decisions, sometimes in quite complicated situations employing soft skills.
- LO16.** Prepare for a successful job interview, work well within teams, apply discipline and employ the appropriate workplace skills.

## Program Requirements:

### General Information

Classification	Credit Hours			Total (ECTS)
	Compulsory	Elective	Total (CR H)	
1. University Requirements	21	6	27	37
2. School Requirements	24	0	24	37
3. Program Requirements	82	12	94	166
<b>Total</b>	<b>127</b>	<b>18</b>	<b>145</b>	<b>240*</b>

\* One ECTS credit point equals 30-time hours.

### 1. University Requirements [27 Credit Hours] (37 ECTS)

1.1 Compulsory [21 Credit Hours] (31 ECTS)				
Course ID	Course Title	Cr. Hr.	ECTS	Prerequisite
ARB99	Arabic 99	0	0	-
ARB100	Arabic	3	3	-
ENGL98	English I	0	0	-
ENGL99	English II	0	0	ENGL98
ENGL101	English III	1	3	ENGL99
ENGL102	English IV	1	3	ENGL101
ENGL201	English V	2	3	ENGL102
ENGL202	English VI	2	3	ENGL201
GERL101B1 *	German I (B1 track)	3	6	-
GERL102B1	German II (B1 track)	3	6	GERL101B1
GERL102B2	German II (B2 track)	3	6	GERL101B1
NE101	National Education	3	2	-
MILS100	Military Sciences	3	2	-

\* Student can Choose B1 or B2 track upon completion of this module.

1.2 Electives [6 Credit Hours] (6 ECTS)				
Course ID	Course Title	Cr. Hr.	ECTS	Prerequisite
BE302	Business Entrepreneurship	3	3	-
DES101	Arts Appreciation	3	3	-
EI101	Leadership and Emotional Intelligence	3	3	-
IC101	Intercultural Communications	3	3	-
SE301	Social Entrepreneurship and Enterprise	3	3	-
SFTS 101	Soft Skills	3	3	-
TW303	Technical and Workplace writing	3	3	ENGL102
PE101	Sport and Health	3	3	-

**2. School Requirements [24 Credit Hours] (37 ECTS)**

Course ID	Course Title	Cr. Hr	ECTS	Prerequisite
ACC101	Principles of Accounting I	3	4.5	-
ACC251	Fundamentals of Finance	3	4.5	ACC 101
GERL201B1	German III (B1 track)	3	4	GERL102B1
GERL202B1	German IV(B1 track)	3	6	GERL201B1
GERL201B2	German III (B2 track)	3	4	GERL102B2
GERL202B2	German IV(B2 track)	3	6	GERL201B2
LOGS101	Introduction to Logistics	3	4.5	-
MGT101	Principles of Management	3	4.5	-
MGT122	Business Statistics	3	4.5	-
MGT213	Research Methods for Business	3	4.5	MGT 122

**3. Program Requirements [94 Credit Hours] (166 ECTS)**

<b>3.1 compulsory (82 Cr Hrs) (148 ECTS)</b>				
Course ID	Course Title	Cr. Hr	ECTS	Prerequisite
ACC332	Management Accounting	3	4.5	ACC101
LOGS112	Operations Research in Logistics Management	3	4.5	MGT122
LOGS121	Introduction to Supply Chain Management	3	4.5	LOGS101
LOGS213	Operations Management	3	4.5	LOGS101, LOGS112
LOGS214	Import-Export Management	3	4.5	LOGS215
LOGS215	Transportation and Distribution Management	3	4.5	LOGS121
LOGS223	Procurement Management	3	4.5	LOGS121
LOGS315	Inventory Management	3	4.5	LOGS213
LOGS316	Warehouse Management	3	4.5	LOGS315
LOGS323	Supplier-Customer Relationships Management	3	4.5	LOGS223
LOGS324	Logistics Network Design	3	4.5	LOGS215
LOGS341	Green and Reverse Logistics	0	4.5	LOGS215, LOGS223
LOGS391	Field Training*	3	6	Department Approval
LOGS417	Retail Logistics	3	4.5	LOGS324
LOGS433	Logistics Enterprise Resource Planning Modules	3	4.5	MGT119, MGT1190, LOGS315
LOGS446	Humanitarian Logistics	3	4.5	LOGS324
LOGS492	International Internship	12	30	LOGS391, Department Approval
LOGS490	Bachelor's Thesis	3	8.5	MGT213, Department Approval
CS115	Computing Fundamentals for Business & Logistics	3	3	-
CS1150	Computing Fundamentals for Business & Logistics (Lab)	1	3	Corequisite CS115
MGT124	Fundamentals of Marketing	3	4.5	MGT101
MGT126	Fundamentals of Microeconomics	3	4.5	-
MGT211	Organizational Behavior	3	4.5	MGT101
MGT418	Quality Management	3	4.5	LOGS213
GERL301B1	German V (B1 Track)	3	6	GERL202B1
GERL302B1	German VI (B1 track)	3	6	GERL301B1
GERL301B2	German V (B2 Track)	3	6	GERL202B2
GERL302B2	German VI (B2 track)	3	6	GERL301B2

<b>3.2 Elective * ([12 Credit Hours] (18 ECTS))</b>				
<b>Course ID</b>	<b>Course Title</b>	<b>Cr. Hr</b>	<b>ECTS</b>	<b>Prerequisite</b>
LOGS501A	Business Module in Germany I (A)	1	2	LOGS492
LOGS501B	Business Module in Germany I (B)	2	3	LOGS492
LOGS501	Business Module in Germany I	3	4.5	LOGS492
LOGS502	Business Module in Germany II	3	4.5	LOGS492
LOGS503	Business Module in Germany III	3	4.5	LOGS492
LOGS504	Business Module in Germany IV	3	4.5	LOGS492
LOGS598A	Special Topics in Logistics	1	2	LOGS492
LOGS598B	Special Topics in Logistics	2	3	LOGS492
LOGS598C	Special Topics in Logistics	3	4.5	LOGS492
MGT598C	Special Topics in Management	3	4.5	LOGS492
ACC598C	Special Topics in accounting	3	4.5	LOGS492
ACC211	Cost Accounting	3	4.5	LOGS492
ACC343	International Taxation	3	4.5	LOGS492
ACC352	International Corporate Finance	3	4.5	LOGS492
ACC435	Accounting Ethics and Corporate Governance	3	4.5	LOGS492
ACC455	Islamic Finance and Accounting	3	4.5	LOGS492
LOGS472	Contemporary Issues in Logistics	3	4.5	LOGS492
MGT313	Knowledge Management	3	4.5	LOGS492
MGT314	Human Resources Management	3	4.5	LOGS492
MGT315	Business Law	3	4.5	LOGS492
MGT316	Business Ethics	3	4.5	LOGS492
MGT322	Consumer Behaviour	3	4.5	LOGS492
MGT328	Project Management and Planning	3	4.5	LOGS492
MGT329	E-Business and E-Commerce Management	3	4.5	LOGS492
MGT333	Decision Support System	3	4.5	LOGS492
MGT412	Corporate Strategies and Policies	3	4.5	LOGS492
MGT414	International Business and Globalization	3	4.5	LOGS492
MGT416	Organizational Development & Change	3	4.5	LOGS492
MGT493	Leadership	3	4.5	LOGS492
MGT594	Entrepreneurship	3	4.5	LOGS492
<b>Modules Offered upon Availability</b>				