

# LOGISTICS ENGINEERING TECHNOLOGY: DIPLOMA

## Program Mission

Working in partnership with industry, the Diploma in Logistics Engineering Technology program provides quality education that prepares highly skilled technicians capable of serving the community and fulfilling personal ambitions with excellence. Graduates may choose to continue into the additional two years of the program to become innovative engineers.

## Program Goal

The Program Educational Objectives of the Diploma in Logistics Engineering Technology program are to:

1. Provide logistics professionals with the technical knowledge and skills required by the industry to highest level of standards.
2. Prepare graduates for a successful career as effective decision makers with strong communication and teamwork skills and an understanding of the global, ethical and social implications of engineering profession.
3. Teach graduates strong commitment to lifelong learning, continuing education, and professional growth.
4. Instil graduates with leadership qualities and commitment to contribute actively to their profession.

## Program Learning Outcomes

Upon graduation, a HCT graduate in Diploma in Logistics Engineering Technology should demonstrate an ability to:

1. Apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve well-defined engineering problems appropriate to the Logistics Engineering Technology.
2. Design solutions for well-defined technical problems and assist with the engineering design of systems, components, or processes appropriate to the Logistics Engineering Technology.
3. Apply written, oral, and graphical communication in well-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature.
4. Conduct standard tests, measurements, and experiments and to analyze and interpret the results.
5. Function effectively as a member of a technical team.

## Requirements

### Completion Requirements

Diploma in Logistics Engineering Technology

Students must successfully complete a minimum of 73 credits, including:

Code	Title	Credit Hours
	Program Core Courses	46
	Mathematics and Science Courses	9
	General Studies course	18
	<b>Total Credit Hours</b>	<b>73</b>

Code	Title	Credit Hours
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### Logistics Engineering Core Courses

Required Credits: 46

EGN 1001	Engineering Workshop	1
EGN 1133	Design Thinking in Technology	3
EGN 2101	Computer Aided Drafting	1
EGN 2233	Engineering Mechanics Fundamentals	3
EGN 2806	Work Placement I	6
EGN 3333	Health Safety and Environment	3
IET 2103	Technology Innovation and Integration	3
IET 3203	Operations Management	3
IET 3233	Facilities Planning and Material Handling	3
IET 4523	Warehouse and Inventory Management	3
LGE 2003	Logistics Principles and Supply Chain Management	3
LGE 2013	Transportation Modes	3
LGE 2203	Introduction to Enterprise Information Management	3
LGE 2313	Managing People and Organizations	3
LGE 2902	Sophomore Design Project	2
LGE 3503	Accounting for Managers	3

### Mathematics and Science Required Courses

Required Credits: 9

MTH 1203	Calculus I	3
MTH 2103	Calculus II	3
PHY 1203	Physics II	3

### General Studies

Required Credits: 18

### English, Arabic or other Languages

Required Credits: 6

LSC 1103 and AES 1013

### Information Technology and Mathematics

Required Credits: 6

ICT 2013 and MTH 1113

### The Natural Sciences

Required Credits: 3

PHY 1103

### The Social or Behavioral Sciences

Required Credits: 3

LSS 1003

Description	Data
Total Required Credits	73
Maximum Duration of Study	3 years
Minimum Duration of Study	2 years
Cost Recovery Program	No
Program Code	DLGET
Major Code	LGE

## Ideal Study Plan

Recommended Sequence of Study

2 Logistics Engineering Technology: Diploma

<b>Year 1</b>		<b>Credit Hours</b>
<b>Semester 1</b>		
AES 1013	Arabic Communications	3
EGN 1133	Design Thinking in Technology	3
LSC 1103	Professional Communication and Reporting	3
LSS 1003	Life and Future Skills	3
PHY 1103	Physics I	3
<b>Credit Hours</b>		<b>15</b>
<b>Semester 2</b>		
EGN 1001	Engineering Workshop	1
EGN 2233	Engineering Mechanics Fundamentals	3
ICT 2013	Computational Thinking and Coding	3
MTH 1113	Statistics for Engineering	3
MTH 1203	Calculus I	3
PHY 1203	Physics II	3
<b>Credit Hours</b>		<b>16</b>
<b>Summer</b>		
LGE 2003	Logistics Principles and Supply Chain Management	3
IET 2103	Technology Innovation and Integration	3
<b>Credit Hours</b>		<b>6</b>
<b>Year 2</b>		
<b>Semester 3</b>		
IET 3233	Facilities Planning and Material Handling	3
LGE 2013	Transportation Modes	3
LGE 2203	Introduction to Enterprise Information Management	3
LGE 2313	Managing People and Organizations	3
MTH 2103	Calculus II	3
<b>Credit Hours</b>		<b>15</b>
<b>Semester 4</b>		
EGN 2101	Computer Aided Drafting	1
EGN 3333	Health Safety and Environment	3
IET 3203	Operations Management	3
IET 4523	Warehouse and Inventory Management	3
LGE 2902	Sophomore Design Project	2
LGE 3503	Accounting for Managers	3
<b>Credit Hours</b>		<b>15</b>
<b>Summer</b>		
EGN 2806	Work Placement I	6
<b>Credit Hours</b>		<b>6</b>
<b>Total Credit Hours</b>		<b>73</b>