

# LOGISTICS ENGINEERING TECHNOLOGY (DLGET) : DIPLOMA

## Diploma in Logistics Engineering Technology (DLGET)

### 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:

1. An ability to 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. An ability to 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. An ability to 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. An ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results.
5. An ability to function effectively as a member of a technical team.

### Requirements

#### Completion Requirements

*Students seeking the Diploma in Logistics Engineering Technology degree must successfully complete the following minimum requirements:*

1. A minimum of 81 credits, as follows:
  - 39 credits of the program major requirements, including Work Placement for 8 weeks

- A minimum requirement of 15 credits in Math and Science courses

- A minimum requirement of 27 credits in General Studies according to the General Studies breakdown and as advised in the study plan of the program.

2. A minimum CGPA of 2.00.

Code	Title	Credit Hours
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#### Logistics Engineering Core Courses

Required Credits: 39		
EGN 1133	Design Thinking in Technology	3
EGN 2101	Computer Aided Drafting	1
EGN 2233	Engineering Mechanic Fundamentals	3
EGN 2806	Work Placement I	6
EGN 3333	Health Safety and Environment	3
IET 2103	Technology Innovation and Integration	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

#### Mathematics and Science Required Courses

Required Credits: 15		
CHM 1103	Engineering Chemistry	3
MTH 1103	Pre Calculus	3
MTH 1203	Calculus I	3
MTH 2103	Calculus II	3
PHY 1203	Physics II	3

#### General Studies

Required Credits: 27

#### English, Arabic or other Languages

Required Credits: 9

#### Humanities or Art

Required Credits: 3

AES 1003

#### 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: 6

Description	Data
Total Required Credits	81
Maximum Duration of Study	3 years
Cost Recovery Program	No

Minimum Duration of Study	2 years
Program Code	DLGET
Major Code	LGE

## Ideal Study Plan

### Recommended Sequence of Study

Year 1		Credit Hours
<b>Semester 1</b>		
EGN 1133	Design Thinking in Technology	3
LSC 1103	Professional Communication and Reporting	3
LSS 1003	Life and Future Skills	3
MTH 1103	Pre Calculus	3
PHY 1103	Physics I	3
Credit Hours		15
<b>Semester 2</b>		
LSC 2103	Academic Reading and Writing II	3
LSS 1123	Basic Research Methods	3
MTH 1113	Statistics for Engineering	3
MTH 1203	Calculus I	3
PHY 1203	Physics II	3
Credit Hours		15
<b>Summer</b>		
AES 1013	Arabic Communications I	3
CHM 1103	Engineering Chemistry	3
Credit Hours		6
<b>Year 2</b>		
<b>Semester 1</b>		
AES 1003	Emirati Studies	3
EGN 2101	Computer Aided Drafting	1
EGN 2233	Engineering Mechanic Fundamentals	3
LGE 2003	Logistics Principles and Supply Chain Management	3
LGE 2203	Introduction to Enterprise Information Management	3
MTH 2103	Calculus II	3
Credit Hours		16
<b>Semester 2</b>		
EGN 3333	Health Safety and Environment	3
ICT 2013	Computational Thinking and Coding	3
IET 2103	Technology Innovation and Integration	3
LGE 2013	Transportation Modes	3
LGE 2313	Managing People and Organizations	3
LGE 2902	Sophomore Design Project	2
Credit Hours		17
<b>Summer</b>		
EGN 2806	Work Placement I *	6
IET 3233	Facilities Planning and Material Handling	3
IET 4523	Warehouse and Inventory Management	3
Credit Hours		12
Total Credit Hours		81

\*Work Placement I shall start after year 2 Summer Semester is completed.