Degree Requirement

The B.Sc. degree in mechanical engineering requires completion of 141 Cr. Hrs. classified as follows:

Type of Courses	Credit hours
1. University General Education Requirements	24
2. College Required Courses	36
3. Program Requirements	
(a) Program Required Course	59
(b) Program Elective Courses	12
(c) Graduation Projects I & II	6
4. Engineering Training (Internship)	4
Total Credit Hours	141

1. University General Education Requirements
(a) University Required Courses (15 credit hours)

Course Code	Course Title	Credit Hrs	Lec. Hrs	Lab. Hrs	Tut. Hrs	Prerequisite
ARB111	Communication Skills in Arabic	3	3	–	_	-----
ARB112	Com. Skills in Arabic - Non-Arabs	3	3	–	_	-----
ISL112	Islamic Culture -Non-Arabs	3	3	–	_	-----
ISL114	Islamic Culture	3	3	–	1	-----
INN311	Innovation and Entrepreneurship (English)	3	3	–	_	60 Cr. Hrs.
COM111	IT Fundamentals	3	2	2	_	-----
STA112	Statistics (Sciences)	3	2	2	_	-----

(b) University Elective I (to select one course from the following – 3 credit hours)

Course Code	Course Title	Credit Hrs	Lec. Hrs	Lab. Hrs	Tut. Hrs	Prerequisite
ECO211	Economic Concepts	3	3	–	_	-----
EMS111	Emirates Society	3	3	–	_	-----

Course Code	Course Title	Credit Hrs	Lec. Hrs	Lab. Hrs	Tut. Hrs	Prerequisite
ENG111	English Communication Skills	**3**	3	–	_	-----
INF113	Library Information System	**3**	3	–	_	-----
PSY111	General Psychology	**3**	3	–	_	-----
SOC112	Communication between Cultures	**3**	3	–	_	-----
THI211	Critical Thinking	**3**	3	–	_	-----

(c) University Elective II (to select one course from the following – 3 credit hours)

Course Code	Course Title	Credit Hrs	Lec. Hrs	Lab. Hrs	Tut. Hrs	Prerequisite
ARB113	Art of Written Expression-Arab	3	3	–	_	-----
ART111	Introduction to Art	3	3	–	_	-----
ART112	Introduction to Aesthetics	3	3	–	_	-----
ART211	Introduction to Digital Photography	3	3	–	_	-----
ENG113	Academic Writing (English)	3	3	–	_	-----
ENG211	Art of Public Speaking (Eng)	3	3	–	_	-----
FRE211	French Language	3	3	–	_	-----
ISL211	Introduction to Hadeeth and Sunna	3	3	–	_	-----

(d) University Elective III (B. Sc. In Mechanical Engineering program: to select the following course – 3 credit hours)

Course Code	Course Title	Credit Hrs	Lec. Hrs	Lab. Hrs	Tut. Hrs	Prerequisite
ENV111	Environmental Science	**3**	3	–	_	-----

2. College Required Courses (36 credit hours)

Course Code	Course Title	Credit Hrs	Lec. Hrs	Lab. Hrs	Tut. Hrs	Prerequisite
MTH121	Engineering Mathematics I	**3**	3	–	2	-----
MTH122	Engineering Mathematics II	**3**	3	–	2	MTH121
MTH221	Engineering Mathematics III	**3**	3	–	2	MTH122
MTH222	Engineering Mathematics IV	**3**	3	–	2	MTH221
MTH321	Engineering Mathematics V	**3**	3	–	2	MTH122

PHY121	Engineering Physics I	4	3	2	2	-----
PHY122	Engineering Physics II	4	3	2	2	PHY121
CHE101	Chemistry for Engineers	3	2	2	_	-----
MEC101	Introduction to Engineering	1	1	–	1	-----
MEC102	Computer Programming	3	3	–	2	COM111
MEC208	Report Writing and Presentation	3	3	–	1	MEC101
MEC305	Engineering Management	3	3	–	1	MEC208
		36	33	6	19	