College of Engineering

General Education Requirements (41Cr. Hrs)

Cluster (1): Values to Live By (6Cr. Hrs)

- (1) Islam (3cr.Hrs)
  - ISLM 1103 (Islamic Culture) (3cr.Hrs)
- (2) Ethics (3cr.Hrs)*
  - GENG 250 (Engineering Ethics) (2cr.Hrs)

Cluster (2): Skills for Life (9Cr. Hrs)

- (1) English Communication Skills (3cr.Hrs)
  - ESPU 107 (English for Engineering) (3cr.Hrs)
- (2) Thinking Skills (3cr.Hrs)

Choose one course:

1. PHI 180 (Critical Thinking) Or (3cr.Hrs)
2. HSS 110 (Scientific Research Skill) Or (3cr.Hrs)
3. ITBP 119 (Algorithms & Problem Solving) Or (3cr.Hrs)
4. PSY 105 (Creative & Innovative Thinking Skills) (3cr.Hrs) Or
5. Inquiry-Based Learning Courses (3cr.Hrs)

(Must be taken within the first 30 Credit hours):

IBLC 102 (Environmental Sustainability) Or
IBLC 105 (How Things Work) Or
IBLC 110 (The Trial & Death Socrates) Or
IBLC 113 (Research Approaches to Drama &Theater) Or
IBLC 119 (Internet and Social media) Or
IBLC 108 (Philosophy of Sport & the Premier League) Or
IBLC 116 (Food and Society) Or
IBLC 121 (Solving problems by Intuition) Or
IBLC 124 (Design Thinking) Or
IBLC 125 (A Trip with Data in Business and Society) Or
IBLC 126 (The Amazing World of Nanotechnology) Or
IBLC 127 (Renewable Energy)

- (3) Information Literacy (3cr.Hrs)
  - GEIL101 (Information Literacy) (3cr.Hrs)

Cluster (3): The Human Community (12Cr. Hrs)

- (1) Emirates Society (3cr.Hrs)
  - HSS 105 (Emirates Studies) (3cr.Hrs)
- (2) Social and Behavioral Sciences (3cr.Hrs)
  - From College of Engineering: GENG 315 Engineering Economics (3cr.Hrs)
- (3) Humanities/ Fine Arts (3cr.Hrs)

Choose one course:

1. ARCH 340 (History and Theory of Architecture) (3cr.Hrs) Or
2. HSR 120 (Introduction to Heritage & Culture) (3cr.Hrs) Or
3. HSR130 (Introduction to Language and Communication) (3cr.Hrs) Or
4. LIT 150 (Introduction to Literature) (3cr.Hrs) Or
5. HIS 133 (Introduction to Art History) (3cr.Hrs) Or
6. TRS 200 (Introduction to Translation) (3cr.Hrs) Or
7. MSC 200 (Introduction to Mass Media) (3cr.Hrs)
8. MSC 240 (World & Arab Media) (3cr.Hrs) Or
9. LNG 100 (Introduction to Linguistics) (3cr.Hrs) Or
10. LNG 110 (Language, Society & Culture) (3cr.Hrs) Or
11. PHI 101 (Introduction to Philosophy) (3cr.Hrs) Or
12. PHI 270 (Philosophy of Education) (3cr.Hrs) Or
13. PHI 271 (History and Philosophy of Science) (3cr.Hrs)

Except: Department of Architecture Students take:

1. ARCH 340 (History & Theory of Architecture) (3cr.Hrs)

- (4) The Global Experience (3cr.Hrs)

Choose one course:

1. HIS 120 (Arab Islamic Civilization) (3cr.Hrs) Or
2. HIS 125 (Contemporary Civilizations) (3cr.Hrs) Or
3. AGRB 362 (Global Agri-Food Trade) (3cr.Hrs) Or
4. BIOE 240 (Principles of Environmental Science) (3cr.Hrs) Or
5. PSG 250 (Principles of International Relations) (3cr.Hrs) Or
6. GEO 200 (World Regional Geography) (3cr.Hrs) Or
7. ARCH 346 (Contemporary World Architecture) (3cr.Hrs) Or
8. HIS 121 (World History I: Origins to 1500) (3cr.Hrs)

Except: Department of Architecture Students take:

1. ARCH 346 (Contemporary World Architecture) (3cr.Hrs)

Cluster (4): The Natural World (9Cr. Hrs)

- (1) Mathematics (including statistics) (3cr.Hrs)
  - From College of Science: MATH 1110 (Calculus for Engineers) (3cr.Hrs)
- (2) Natural Sciences (6cr.Hrs)
  - From College of Science:
    1. PHYS 1110 (Physics for Engineering) (4cr. Hrs)
    2. CHEM 111(General Chemistry I) (3cr. Hrs)

Cluster (5): Capstone Experience (5Cr. Hrs)*

Graduation Project I (3cr. Hrs)
Graduation Project II (3cr. Hrs)

* One Cr. is assigned as an Ethics Cr. Hr to satisfy Cluster 1 requirement