For the Fall 19-20 Semester

## Faculty: College of Engineering — 75 Cr

## Major: Diploma in Civil Engineering

| Course # | Course Title | Cr | Min Grd | Class Rank | Term | Pr. |
|---|---|---|---|---|---|---|
| **Pre University Requirements (Compulsory) 0 Cr** | | | | | | |
| FPE 101A | Foundation Program English-Level 1 | 0 | - | | | |
| FPE 102B | Foundation Program English<br>[ < FPE 101A] | 0 | - | | | |
| FPE 103C | Foundation Program English<br>[ < FPE 101A + < FPE 102B] | 0 | - | | | |
| FPM 100 | Pre Foundation Math Program | 0 | - | | | |
| FPM 101A | Foundation Math Program I | 0 | - | | | |
| FPM 102B | Foundation Math Program II<br>[ < FPM 101A] | 0 | - | | | |
| FPT 101A | Foundation IT, Program I | 0 | - | | | |
| FPT 102B | Foundation IT, Program II<br>[ < FPT 101A] | 0 | - | | | |
| **University Requirements (Compulsory) 18 Cr** | | | | | | |
| ENGL 101 | Basic Academic English<br>[ < FPE 103C] | 3 | - | | | |
| ENGL 102E | English for Engineering and Sciences I<br>[ < ENGL 101] | 3 | - | | | |
| ENGL 203E | English for Engineering and Sciences II<br>[ < ENGL 102E] | 3 | - | | | |
| ENTR 200 | Entrepreneurship:Innovation and Creativity<br>[ < ENGL 203E] | 3 | - | | | |
| MATH 199 | Calculus I<br>[ < FPE 103C + < FPM 101A + < FPM 102B] | 3 | - | | | |
| SOCS 102 | Omani Society<br>[ < FPE 103C] | 3 | - | | | |
| **College/Faculty Requirements (Compulsory) 18 Cr** | | | | | | |
| CIVE 299 | Practical Training | 0 | - | | | |
| ENGR 100 | Introduction to Engineering<br>[ < FPE 103C + < FPM 102B + < FPT 102B] | 3 | - | | | |
| ENGR 105 | Engineering Graphics<br>[ < FPE 103C] | 2 | - | | | |
| ENGR 110 | Engineering Workshop<br>[ < FPE 103C + < FPM 101A + < FPM 102B] | 1 | - | | | |
| MATH 200 | Calculus II<br>[ < MATH 199] | 3 | - | | | |
| MATH 205 | Calculus III<br>[ < MATH 200] | 3 | - | | | |
| MATH 250E | Probability and Statistics<br>[ <= MATH 200] | 3 | - | | | |
| PHYS 170 | Fundamentals of Physics I<br>[ <= MATH 199] | 3 | - | | | |
| **Major Requirements (Compulsory) 39 Cr** | | | | | | |
| CHEM 140 | Chemistry I<br>[ < FPE 103C + < FPM 102B + < FPT 102B] | 3 | - | | | |
| CHEM 140L | Introductory Chemistry Laboratory<br>[ <= CHEM 140] | 1 | - | | | |
| CIVE 210 | Statics<br>[ < PHYS 170 + < ENGR 100 + < MATH 199] | 3 | - | | | |
| CIVE 213 | Strength of Materials<br>[ < CIVE 210] | 3 | - | | | |
| CIVE 215 | Engineering Geology<br>[ < PHYS 170 + < ENGR 100] | 3 | - | | | |
| CIVE 221 | Construction Materials<br>[ < CIVE 213] | 3 | - | | | |
| CIVE 221L | Construction Materials Laboratory<br>[ <= CIVE 221] | 1 | - | | | |
| CIVE 230 | Geotechnical Engineering<br>[ < CIVE 213 + < CIVE 215] | 3 | - | | | |
| CIVE 230L | Geotechnical Engineering Laboratory<br>[ <= CIVE 230] | 1 | - | | | |
| CIVE 241 | Fluid Mechanics<br>[ < MATH 200 + < CIVE 210] | 3 | - | | | |
| CIVE 250 | Structural Analysis I<br>[ < CIVE 210] | 3 | - | | | |
| CIVE 250L | Structural Analysis I Laboratory<br>[ <= CIVE 250] | 1 | - | | | |
| CIVE 265 | Surveying and GPS<br>[ < MATH 200] | 3 | - | | | |
| CIVE 265L | Surveying and GPS Laboratory<br>[ <= CIVE 265] | 1 | - | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CIVE 361 | Transportation Engineering<br>[ < CIVE 265] | 3 | - | | | | | | | | | | |
| PHYS 170L | Introductory Physics Laboratory<br>[ <= PHYS 170] | 1 | - | | | | | | | | | | |
| PHYS 210 | Fundamentals of Physics II<br>[ < PHYS 170 / <= MATH 200] | 3 | - | | | | | | | | | | |