**3+1+1(4+1+1) MSCE at Civil Engineering – Environmental and Water Resources Track**

**(First Year – Preparation for MSCE Program)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1st Quarter (Fall) | | 2nd Quarter (Winter) | | 3rd Quarter (Spring) | |
| Course | **Units** | **Course** | **Units** | **Course** | **Units** |
| College English Class | 3 | College English Class | 2 | College English Class | 2 |
| CE491  Comprehensive Civil Engineering Design I | 1 | CE492  Comprehensive Civil Engineering Design II | 2 | CE493  Comprehensive Civil Engineering Design III | 1 |
| CE332\*  Hydraulic Engineering | 3 | CE351\*  Environmental Engineering | 3 | CE 432\*  Wastewater Treatment Engineering | 3 |
| CE332L\*  Hydraulic Engineering Lab | 1 | CE351L\*  Environmental Engineering Lab | 1 | CE 432L\*  Wastewater Treatment Engineering Lab | 1 |
| CE431\*  Water Treatment Engineering | **3** | CE463\*  Water Reclamation | 4 | CE 552\*  Applied Hydrology | 4 |
| CE431L\*  Water Treatment Engineering Lab | 1 | CE499\*  Civil Engineering Seminar | 1 |

\* Subject to change

12 Units from CE463\*, CE431\*, CE431L\*, and CE552\* will be considered in MSCE Program

**3+1+1 (4+1+1) MSCE at Civil Engineering – Environmental and Water Resources (EWR) Track**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1st Quarter (Summer) | | 2nd Quarter (Fall) | | 3rd Quarter (Winter) | | 4th Quarter (Spring) | | | |
| Course | **Units** | **Course** | **Units** | **Course** | **Units** | **Course** | **Units** | |
| CE 505\*  GIS Applications in Civil Engineering  or  CE 502 Applied Probability Concepts in Civil Engineering | 4 | CE 551\*  Hydraulic Systems | 4 | CE 562\*  Advanced Wastewater Treatment | 4 | CE 569\*  Solid and Hazardous Waste Engineering | | 4 |
| CE 567\*  Global Climate and Water Supply | 4 | CE 561\*  Advanced Water Treatment | 4 | CE 565\*  River Mechanics and storm water management | 4 | CE 560\* Unit Operation Processes | | 4 |
|  |  |  |  |  |  | CE 697  Comprehensive Exam | | 1 |

\* Subject to change

Total 45 Units