**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 | CE492Comprehensive Civil Engineering Design II | 2 | CE493Comprehensive 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