

Engineering Management (2009 - 10)

Below is the *advised sequencing* of courses for this degree.

| FRESHMAN YEAR | | | | SOPHOMORE YEAR | | | |
|------------------------------|-------|------------------------|-------|-------------------------|-------|-----------------|-------|
| First Semester | | Second Semester | | First Semester | | Second Semester | |
| Course | Units | Course | Units | Course | Units | Course | Units |
| ENGR 102 | 3 | ECE 175 or CSC 127a*** | 3 | MATH 223 | 4 | C E 214*** | 3 |
| MATH 125 or 124 [#] | 3/5 | CHEM 152 or MSE 110 | 4 | CHEE 201 or A ME 230*** | 3 | PHYS 241 | 4 |
| CHEM 151 | 4 | MATH 129 | 3 | PHYS 141 | 4 | MATH 254*** | 3 |
| ENGL 101 | 3 | ENGL 102 | 3 | Tier 1 TRAD* | 3 | Tier 1 INDV | 3 |
| Tier 1 TRAD* | 3 | Tier 1 INDV* | 3 | SIE 265 | 3 | Tier 2 INDV | 3 |
| TOTAL 16/18 | | TOTAL 16 | | TOTAL 17 | | TOTAL 16 | |

Advanced standing is required for 3/400 level courses taught by the College

| JUNIOR YEAR | | | | SENIOR | | | |
|-------------------------|-------|------------------------|-------|--------------------|-------|-------------------|-------|
| First Semester | | Second Semester | | First Semester | | Second Semester | |
| Course | Units | Course | Units | Course | Units | Course | Units |
| SIE 305 or C E310 | 3 | Tech Area Elect** | 6 | SIE 462*** | 3 | ENGR 454 | 3 |
| SIE 340 | 3 | SOC 326 or ENGR 452*** | 3 | SIE 498A | 2 | SIE 498B | 3 |
| ECE 207*** | 3 | SIE 467 | 3 | Tech Area Elect** | 6 | ECON330*** | 3 |
| COMM 312 or ENGL 307*** | 3 | SIE 431 | 3 | SIE 415 | 3 | Tech Area Elect** | 3 |
| Tech Area Elect** | 3 | | | MIS 465 or SIE 406 | 3 | ENGR 495S | 1 |
| TOTAL 15 | | TOTAL 15 | | TOTAL 17 | | Tier 2 Art/Hum* | 3 |
| TOTAL 15 | | TOTAL 15 | | TOTAL 17 | | TOTAL 16 | |

TOTAL UNITS = 128

MATH 124 is a 5-unit version of MATH 125. Students taking MATH 124 should consider delaying the Tier 1 INDV course to maintain a reasonable academic load.

* INDV/TRAD courses must meet University general education requirements. One course must be recognized by the University as focusing on non-western culture, race, gender or ethnicity. TRAD 101 satisfies this requirement. Tier 2 INDV – Recommend ECON 200 – Prerequisite for ECON 330 & SIE 340

** Tech area electives to be chosen with an advisor to emphasize an industry or professional area of interest to the student.

*** See advisor for acceptable courses or see APRR