

CLEAR PATH – Engineering: STEM Education, B.S.E.

2014-2015

Please see the [Courses](#) section of this catalog for complete course descriptions.

| Freshman Year | | | |
|--|------------|--------------------------------------|------------|
| <ul style="list-style-type: none"> Meet with Academic Advisor two times each semester. Go to every class. Contact your instructor if you are absent. Devote enough time to your studies and think about course materials and how they apply to your life. Become actively involved in at least one co-curricular activity. | | | |
| <i>Fall Semester:</i> | Hrs | <i>Spring Semester:</i> | Hrs |
| CHEM 1110 | 3 | ENGL 1020 | 3 |
| CHEM 1110L | 1 | ENGR 1011 | 1 |
| ENGL 1010 | 3 | ENGR 1040 | 3 |
| ENGR 1030 | 3 | ENGR 1850 | 2 |
| ENGR 1030L | 1 | MATH 1960 | 4 |
| MATH 1950 | 4 | MATH 2200 | 3 |
| STEM 1010 | 1 | STEM 1020 | 1 |
| | 16 | | 17 |
| Sophomore Year | | | |
| <ul style="list-style-type: none"> Confirm your academic major choice and know the requirements and career fields related to your major. Using MyMocsDegree, create course plan for your remaining degree requirements. Involve yourself in learning opportunities that are challenging and relevant. | | | |
| <i>Fall Semester:</i> | Hrs | <i>Spring Semester:</i> | Hrs |
| ESEE 2700 | 3 | ENGR 2220 | 3 |
| ESEE 2700L | 1 | ENGR 2460 | 3 |
| ENGR 2240 or ESEE 2250 | 3 | ENGR 2460L | 1 |
| MATH 2450 | 3 | ENGR 2480 | 3 |
| PHYS 2310/2310L | 4 | MATH 2550 | 3 |
| STEM 2010 | 3 | STEM 2020 | 3 |
| | 17 | | 16 |
| Junior Year | | | |
| <ul style="list-style-type: none"> Participate in study abroad, leadership opportunities, service learning, civic engagement, internships, research projects, and other learning opportunities. Develop your job or graduate school strategy. Update your graduation plan as necessary. | | | |
| <i>Fall Semester:</i> | Hrs | <i>Spring Semester:</i> | Hrs |
| ENGR 3520 | 3 | ENGR 3700 | 3 |
| ENGR course | 3 | ENGR course | 3 |
| STEM 3010 | 3 | ENGR 3280 | 3 |
| MATH 2300 | 3 | ENGR 3280L | 1 |
| Non-Western Culture | 3 | STEM 3020 | 3 |
| | | ENGR 3050 (Spr) or ENGR 3030 (Fall) | 3 |
| | 15 | | |
| Senior Year | | | |
| <ul style="list-style-type: none"> Complete your Graduation Application with the Records Office. | | | |
| <i>Fall Semester:</i> | Hrs | <i>Spring Semester:</i> | Hrs |
| ENGR course | 3 | ENGR 4850 | 3 |
| ENGR course | 3 | Fine Arts and Humanities Subcategory | 3 |
| ENGR 3850 | 3 | Behavioral and Social Science | 3 |
| Behavioral and Social Science | 3 | STEM 4020 | 6 |
| STEM 4010 | 3 | | |
| ENGR Lab course | 1 | | |
| | 16 | | 15 |
| | | | |