



Chemical Engineering A.P.E. 2 years

Name _____

| | Course | Credits | Semester Offered | Online | Milestones |
|---|---|-----------|----------------------|--------|---|
| ✘ | | | | | |
| | Freshman (Semester 1) | | | | Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA) |
| | CHEM 1210 Principles of Chemistry I | 4 | Fall, Spring | | |
| | CHEM 1215 Principles of Chemistry I Lab | 1 | Fall, Spring | | |
| | ENGR 1000 Introduction to Engineering | 2 | Fall, Spring | | |
| | MATH 1210 Calculus I | 5 | Fall, Spring | | |
| | ENGL 1010 Introduction to Writing | 3 | Fall, Spring, Summer | X | |
| | GNST 1200 Foundations | 3 | Fall, Spring, Summer | X | |
| | Total Credits | 18 | | | |
| | Freshman (Semester 2) | | | | Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA) |
| | CHEM 1220 Principles of Chemistry II | 4 | Spring | | |
| | CHEM 1225 Principles of Chemistry II Lab | 1 | Spring | | |
| | ENGR 2010 Statics | 3 | Fall, Spring | | |
| | MATH 1220 Calculus II | 4 | Fall, Spring | | |
| | ENGL 2010 Intermediate Writing | 3 | Fall, Spring, Summer | X | |
| | General Education | 3 | Fall, Spring, Summer | X | |
| | Total Credits | 18 | | | |
| | Sophomore (Semester 1) | | | | Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA) Apply for graduation. |
| | CHEM 2310 Organic Chemistry I | 4 | Fall | | |
| | CHEM 2315 Organic Chemistry I Lab | 1 | Fall | | |
| | ENGR 2140 Strength of Materials | 3 | Fall | | |
| | MATH 2210 Multivariable Calculus | 3 | Fall, Spring | | |
| | PHYS 2210 Physics for Scientists and Engineers I | 4 | Fall | | |
| | PHYS 2215 Physics for Scientists and Engineers I Lab | 1 | Fall | | |
| | PE 1096 Fitness for Life | 1 | Fall, Spring, Summer | X | |
| | Total Credits | 17 | | | |
| | Sophomore (Semester 2) | | | | Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA) Declare Bachelor's degree major. |
| | ENGR 2300 Engineering Thermodynamics | 3 | Spring | | |
| | ENGR 2450 Numerical Methods | 3 | Spring | | |
| | MATH 2250 Linear Algebra and Differential Equations | 4 | Fall, Spring | | |
| | PHYS 2220 Physics for Scientists and Engineers II | 4 | Spring | | |
| | PHYS 2225 Physics for Scientists and Engineers II Lab | 1 | Spring | | |
| | Technical Electives | 3 | Fall, Spring | | |
| | Total credits | 18 | | | |

* Courses numbered below 1000 level do not count toward credits earned or GPA.

* Electives can be courses that will complete an Associate's degree or any class in which you are interested.

For most recent information, students must contact their transfer institution directly.

Name _____

| ✕ | Course | Credits | Semester Offered | Online | Milestones |
|---|---|---------|----------------------|--------|--|
| | Freshman (Semester 1) | | | | Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA) |
| | MATH 1050 College Algebra | 4 | Fall, Spring, Summer | X | |
| | MATH 1060 Trigonometry | 3 | Fall, Spring | | |
| | ENGL 1010 Introduction to Writing | 3 | Fall, Spring, Summer | X | |
| | GNST 1200 Foundations | 3 | Fall, Spring, Summer | X | |
| | Total Credits | 13 | | | |
| | Freshman (Semester 2) | | | | Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA) |
| | ENGR 1000 Introduction to Engineering | 2 | Fall, Spring | X | |
| | MATH 1210 Calculus I | 5 | Fall, Spring | | |
| | CHEM 1210 Principles of Chemistry I | 4 | Fall, Spring | | |
| | CHEM 1215 Principles of Chemistry I Lab | 1 | Fall, Spring | | |
| | Total Credits | 12 | | | |
| | Sophomore (Semester 1) | | | | Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA). |
| | MATH 1220 Calculus II | 4 | Fall, Spring | | |
| | ENGR Statics | 3 | Fall, Spring | | |
| | PHYS 2210 Physics for Scientists and Engineers I | 4 | Fall | | |
| | PHYS 2215 Physics for Scientists and Engineers I Lab | 1 | Fall | | |
| | ENGL 2010 Intermediate English | 3 | Fall, Spring, Summer | X | |
| | Total Credits | 15 | | | |
| | Sophomore (Semester 2) | | | | Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA). Apply for graduation. |
| | CHEM 1220 Principles of Chemistry II | 4 | Spring | | |
| | CHEM 1225 Principles of Chemistry II Lab | 1 | Spring | | |
| | MATH 2210 Multivariable Calculus | 3 | Fall, Spring | | |
| | PHYS 2220 Physics for Scientists and Engineers II | 4 | Spring | | |
| | PHYS 2225 Physics for Scientists and Engineers II Lab | 1 | Spring | | |
| | Total Credits | 13 | | | |
| | Sophomore (Semester 3) | | | | Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA) |
| | CHEM 2310 Organic Chemistry I | 4 | Fall | | |
| | CHEM 2315 Organic Chemistry I Lab | 1 | Fall | | |
| | ENGR 2140 Strength of Materials | 3 | Fall | | |
| | General Education | 4 | Fall, Spring, Summer | X | |
| | Total Credits | 12 | | | |
| | Junior (Semester 1) | | | | Declare Bachelor's degree major. |
| | CHEM 2320 Organic Chemistry II | 4 | Fall | | |
| | CHEM 2325 Organic Chemistry II Lab | 1 | Fall | | |
| | ENGR 2300 Engineering Thermodynamics | 3 | Spring | | |
| | ENGR 2450 Numerical Methods | 3 | Spring | | |
| | Technical Electives | 3 | | | |
| | Total Credits | 14 | | | |

* Courses numbered below 1000 level do not count toward credits earned or GPA.

* Electives can be courses that will complete an Associate's degree or any class in which you are interested.

For most recent information, students must contact their transfer institution directly.