**REQUIRED COURSES FOR PRE-ENGINEERING**

**Dual Degree, Chemistry Based**

**Sciences &**

**Health**

**Professions**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Course** |  | **Titles** | **Prerequisite** | **Credit Hrs.** |
| MATH | 1211 | Calculus I | MATH 1113 | 4 |
| MATH | 2212 | Calculus I | MATH 1211 | 4 |
| MATH | 2213 | Calculus III | MATH 2212 | 4 |
| PHYS | 2221K | Principles of Physics I | MATH 1211K | 4 |
| PHYS | 2222K | Principles of Physics II | PHYS 2221K | 4 |
| CHEM | 1211K | General Chemistry I |  | 4 |
| CHEM | 1212K | General Chemistry II | CHEM 1211K | 4 |

**Additional Chemistry Hours Needed 9**

ENGL 1101 English Composition I 3

ENGL 1102 English Composition II 3

HIST 2111 Survey of American History I 3

POLS 2101 Introduction to Political Science 3

PEDH Electives 3

Engineering and other courses 14-17

**Total Chemistry Hours In Program 37**

**Personnel &Index**

**Sciences &**

**Health**

**Professions**

**Course**

**Descriptions**

**Graduate**

**School**

**Education**

**Business**

**Arts & Humanities**

**Albany State State**