Chemistry, A.S. – T // Chemistry, B.S.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Required by ADT | | 34 | | To be completed at La Verne | | 68 | | |
| General Education | | 39 | | Supportive | | 8 | | |
| Core | | 34 | | Core | | 30 | | |
| General Electives | | 0 | | Major Electives | | 12-13 | | |
| Total | | 73 | | Culminating | | 4 | | |
|  | |  | | LVE | | 4 | | |
|  | |  | | General Electives | | 9-10 | | |
| La Verne Requirements completed with ADT: | | | | C-ID | | | | |
| MATH 201 – Calculus I [Supportive] | | | | 4 LD | MATH 210 – Single Variable Calculus I [Core] | | | |
| MATH 202 – Calculus II [Supportive] | | | | 4 LD | MATH 220 – Single Variable Calculus II [Core] | | | |
| PHYS 201 – General Physics I [Supportive] | | | | 4 LD | PHYS 205 – Calculus-Based Physics for Scientists and Engineers: A [Core] | | | |
| PHYS 202 – General Physics II [Supportive] | | | | 4 LD | PHYS 210 – Calculus-Based Physics for Scientists and Engineers: B [Core] | | | |
| CHEM 201 – General Chemistry [Core] | | | | 5 LD | CHEM 120S – General Chemistry for Science Majors Sequence A [Core] | | | |
| CHEM 202 – General Chemistry [Core] | | | | 5 LD | CHEM 120S – General Chemistry for Science Majors Sequence A [Core] | | | |
| ADT Requirements with no La Verne equivalent: | | | | | | | | |
| Organic Chemistry for Science Majors Sequence A | | | | 8 LD | [[students are required to take this as an upper division course at ULV]] | | | |
| Courses to be completed at La Verne: | | | | | | | LD | UD |
| BIOL 201 or 204 | Supportive | | General Biology I or Animal Biology | | | | 4 |  |
| BIOL 202 or 205 | Supportive | | General Biology II or Plant Biology | | | | 4 |  |
| CHEM 230 | Core | | Analytical Chemistry I | | | | 4 |  |
| CHEM 430 | Core | | Instrumental Methods of Analysis | | | |  | 4 |
| CHEM 311 | Core | | Organic Chemistry I | | | |  | 5 |
| CHEM 312 | Core | | Organic Chemistry II | | | |  | 5 |
| CHEM 411 | Core | | Physical Chemistry I | | | |  | 4 |
| CHEM 412 | Core | | Physical Chemistry II | | | |  | 4 |
| CHEM 370 | Core | | Chemistry Seminar (4 semesters required; 1 unit per semester) | | | |  | 4 |
| Choose 3 of the following Major Electives: | | | | | | | | |
| CHEM 314 | Major Elective | | Biochemistry | | | |  | 5 |
| CHEM 420 | Major Elective | | Environmental Chemistry | | | |  | 4 |
| CHEM 440 | Major Elective | | Inorganic Chemistry | | | |  | 4 |
| CHEM 441 | Major Elective | | Materials Chemistry | | | |  | 4 |
| CHEM 450 | Major Elective | | Advanced Organic Chemistry | | | |  | 4 |
| CHEM 499 | Culminating | | Senior Project | | | |  | 4 |
| Exam | Culminating | | Senior Comprehensive Examination | | | |  | 0 |
| LVE 200 |  | | University Values | | | | 2 |  |
| LVE 300 |  | | Community Engagement | | | |  | 1 |
| LVE 400 |  | | University Reflection | | | |  | 1 |
| General Electives |  | |  | | | | 9-10 |  |
| Subtotals |  | |  | | | | 20 | 44-45 |
| Total |  | |  | | | | 68 | |