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

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| --- | --- | --- | --- |
| 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 |