

**DEPARTMENT OF EDUCATION & SCHOOL PSYCHOLOGY**  
**Curriculum Content: CHEMISTRY**

**52-62 hours required**  
**OAE test – Chemistry (009)**

| Course #   | Course Title   | Hours | Grade | Semester Offered   |
|--|--|-------|-------|--------------------|
| CH 141   | General Chemistry I                                    | 4     |       | Fall               |
| CH 142   | General Chemistry II                                   | 4     |       | Spring             |
| CH 143   | General Chemistry Lab I                                | 1     |       | Fall               |
| CH 144   | General Chemistry Lab II                               | 1     |       | Spring             |
| <b>OR</b>  |  |       |       |                    |
| CH 151   | Chemical Principles                                    | 4     |       | Fall               |
| CH 153   | Chemical Principles Lab                                | 1     |       | Fall               |
| CH 221   | Organic Chemistry I                                    | 3     |       | Fall               |
| CH 222   | Organic Chemistry II                                   | 3     |       | Spring             |
| CH 223   | Organic Chemistry Lab I                                | 1     |       | Fall               |
| CH 224   | Organic Chemistry Lab II                               | 1     |       | Spring             |
| CH 261   | Analytical Chemistry                                   | 3     |       | Spring             |
| CH 263   | Analytical Chemistry Lab                               | 1     |       | Spring             |
| CH 361   | Introductory Physical Chemistry                        | 3     |       | Fall               |
| <b>OR</b>  |  |       |       |                    |
| CH 365   | Physical Chemistry I                                   | 3     |       | Fall               |
| <b>Plus</b>  |  |       |       |                    |
| CH 366   | Physical Chemistry II                                  | 3     |       | Every other Spring |
| CH 367   | Physical Chemistry Lab                                 | 2     |       | Fall & Spring      |
| CH 441   | Instrumental Analysis                                  | 3     |       | Fall               |
| CH 443   | Instrumental Analysis Lab                              | 1     |       | Fall               |
| CH 478   | Chemistry Seminar                                      | 0     |       | Fall & Spring      |
| <b>PLUS TWO UPPER DIVISION COURSES (contact Chemistry advisor)</b> |  |       |       |                    |
| <b>PLUS</b>  |  |       |       |                    |
| PH 125   | General Physics I                                      | 3     |       | Fall               |
| PH 126   | General Physics II                                     | 3     |       | Spring             |
| PH 125L  | General Physics I Lab                                  | 1     |       | Fall               |
| PH 126L  | General Physics II Lab                                 | 1     |       | Spring             |
| <b>OR</b>  |  |       |       |                    |
| PH 135   | Physics I  | 3     |       | Fall               |
| PH 136   | Physics II   | 3     |       | Spring             |
| PH 135L  | Physics I Lab  | 1     |       | Fall               |
| PH 136L  | Physics II Lab   | 1     |       | Spring             |
| MT 135   | Calculus and Analytic Geometry I                       | 4     |       |                    |
| MT 136   | Calculus and Analytic Geometry II                      | 4     |       |                    |
| <b>OR</b>  |  |       |       |                    |
| MT 228   | Statistics for the Biological Sciences (by Permission) | 3     |       |                    |

In addition, majors planning to teach are required to have the equivalent of:

- 1 Biology course, and**
- 1 Earth Science course**

Transcript review by the Department would establish whether this content has been adequately covered in previous coursework or whether additional coursework is needed.

**Revised: Fall 2015**