

**Checklist for B.S. Degree in Chemistry with Premed Option (Track Two)**

| <b>Core Science Courses (81 Credits Required)</b>                 |               |                                   |             | <b>University Baccalaureate Core <sup>b</sup> (33 Credits Required)</b> |   |
|---|---------------|-----------------------------------|-------------|---|---|
| <b>Chemistry</b>  |               |                                   |             | <b>Skills (12 Credits)</b>  |   |
| CH 231 (or 231H) & 271  | (5 Credits)   | CH 361                            | (3 Credits) | WR 121  | (3 Credits)   |
| CH 232 (or 232H) & 272  | (5 Credits)   | CH 362                            | (3 Credits) | Writing II  | (3 Credits)   |
| CH 233 (or 233H) & 273  | (5 Credits)   | CH 411                            | (3 Credits) | Speech  | (3 Credits)   |
| CH 324 or CH 421, 422 & 461 <sup>c</sup>                          | (4-9 Credits) | CH 412                            | (3 Credits) | HHS plus PAC or HHS Lab   | (2 Credits + 1 Credits)                             |
| CH 334  | (3 Credits)   | CH 440                            | (3 Credits) |   |   |
| CH 335  | (3 Credits)   | CH 441                            | (3 Credits) | <b>Perspectives (12 Credits)</b>  |   |
| CH 336  | (4 Credits)   | CH 442                            | (3 Credits) | Western Culture   | (3 Credits)   |
|   |               | CH 462 OR 463 OR 464 <sup>a</sup> | (3 Credits) | Cultural Diversity  | (3 Credits)   |
|   |               |                                   |             | Social Processes and Institutions                                       | (3 Credits)   |
|   |               |                                   |             | Literature and Arts   | (3 Credits)   |
|   |               |                                   |             |   |   |
| <b>Mathematics</b>  |               | <b>Physics</b>                    |             | <b>Difference, Power &amp; Discrimination (3 Credits)</b>               |   |
| MTH 251   | (4 Credits)   | PH 211/221 or 201                 | (5 Credits) |   |   |
| MTH 252   | (4 Credits)   | PH 212/222 or 202                 | (5 Credits) | <b>Synthesis (6 Credits)</b>  |   |
| MTH 254   | (4 Credits)   | PH 213/223 or 203                 | (5 Credits) | Contemporary Global Issues  | (3 Credits)   |
|   |               |                                   |             | Science, Technology & Society   | (3 Credits)   |
| <b>Premed Option Courses (30-33 Credits Required)<sup>e</sup></b> |               |                                   |             |   |   |
| <b>Statistics:</b>  |               | <b>Philosophy:</b>                |             |   |   |
| ST 351  | (4 Credits)   | PHL 444 <sup>e</sup>              | (4 Credits) |   |   |
| <b>Biology:</b>   |               |                                   |             |   |   |
| BI 221  | (4 Credits)   | BI 311                            | (4 Credits) |   |   |
| BI 222  | (4 Credits)   | BB 314                            | (4 Credits) |   |   |
| BI 223  | (4 Credits)   |                                   |             |   |   |
| <b>Biochemistry:</b>  |               |                                   |             |   |   |
| BB 450 OR 490   | (3-4 Credits) | BB 451 OR 491                     | (3 credits) | <b>Other Requirements:</b>  |   |
|   |               |                                   |             | 180 Credits for Graduation  | Last 45 credits (or 45 of last 75) completed at OSU |
|   |               |                                   |             | 60 Upper Division Credits   | Foreign Language <sup>d</sup>                       |

**Footnotes**

<sup>a</sup> Meets WIC Requirement. It is strongly recommended that CH 422 be taken as a co-requisite with CH 462.

<sup>b</sup> Courses from approved list. For Perspectives, no more than two courses from one department. For Synthesis, courses must be from different departments. Transfers from Oregon Community Colleges with an AA degree have fulfilled the skills and perspective requirements.

<sup>c</sup> The combination of CH 421, CH 422, and CH 461 is recommended for the strongest background in analytical chemistry, with this option only one inorganic chemistry course is required (CH 411) which means this option only adds two additional credits.

<sup>d</sup> Two years of one foreign language in high school. Requirement can also be met by taking two terms of a college-level language (C- or higher) or an approved proficiency test (For students entering in Fall 1997 or later.)

<sup>e</sup> See Premed Additional Information for alternate credit options if you are unable to take PHL 444. (<https://chemistry.oregonstate.edu/AdInfoCHPreMedOpt>)