

**Degree Program Course List (DPCL) of major requirements for students entering Loyola in 2017-18**

**NAME:** \_\_\_\_\_ **B.S. BIOCHEMISTRY - CHEB (Pre-Health) (CIP 26.0202)** **DATE:** \_\_\_\_\_

| <b>UHP CURRICULUM: CHEB (PRE-MED) - 40 Credits</b>  |                          | <b>MAJOR.....39 Crs</b>                      | <b>ADJUNCT.....20 Crs</b>                                    | <b>CHEMISTRY DEPARTMENTAL HONORS</b>  |                        |        |               |       |            |        |              |        |                       |        |                   |                |
|---|--------------------------|--|--|---|------------------------|--------|---------------|-------|------------|--------|--------------|--------|-----------------------|--------|-------------------|----------------|
| <b>Honors Core Curriculum</b>   | Crs/Grd                  | General Chem I<br>A105 _____ 3               | Sci II: PhysA102/A104 (Electromag & Relativity/Lab _____ 4+1 | <b>Students must:</b><br>1) Earn 2.5 Loyola Cum GPA & 3.0 Major GPA, 2) engage in research approved by the dept, & 3) complete 4 credits of CHEM-A498 or the equivalent.  |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| First-Year Seminar H121   | 3                        | General Chem I - Lab<br>A107 _____ 1         | Calculus II<br>Math-A258 _____ 4                             |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| Ignatian Colloquium H193 or H194  | 1                        | General Chem II<br>A106 _____ 3              | Biol Elect _____ 4   | <b>ETS EXAM</b><br>All majors must take the ETS CHEM field exam, CHEM-A491, (Pass/Fail) & complete an exit survey in last semester prior to graduation.<br><b>CHEM-A491 _____ 0</b>   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| Social Justice Seminar H396   | 3                        | General Chem II - Lab<br>A108 _____ 1        | Biol Elect _____ 4   |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| Honors Ethics H215 <sup>1</sup> (check off once completed)  | <input type="checkbox"/> | Organic Chem I<br>A300 _____ 3               | Sci/Math Elect* _____ 3                                      | <b>Thesis work is a dedicated process that spans multiple semesters, and you may be asked to take additional scaffolding courses. Please consult an honors advisor about what steps are right for you.</b>  |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| <b>Subtotal</b>   | <b>7</b>                 | Organic Chem I - Lab<br>A310 _____ 1         | *Choose from Math, Phys, Biol, or Geol.                      |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| <b>Foundation Courses</b>   |                          | Organic Chem II<br>A301 _____ 3              | <b>GENERAL ELECTIVES.....18 Crs</b>                          | <table border="1"> <tr> <td>Honors Curriculum.....</td> <td>40 crs</td> </tr> <tr> <td>Language.....</td> <td>3 crs</td> </tr> <tr> <td>Major.....</td> <td>39 crs</td> </tr> <tr> <td>Adjunct.....</td> <td>20 crs</td> </tr> <tr> <td>General Elective.....</td> <td>18 crs</td> </tr> <tr> <td><b>Total.....</b></td> <td><b>120 crs</b></td> </tr> </table> | Honors Curriculum..... | 40 crs | Language..... | 3 crs | Major..... | 39 crs | Adjunct..... | 20 crs | General Elective..... | 18 crs | <b>Total.....</b> | <b>120 crs</b> |
| Honors Curriculum.....  | 40 crs                   |  |  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| Language.....   | 3 crs                    |  |  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| Major.....  | 39 crs                   |  |  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| Adjunct.....  | 20 crs                   |  |  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| General Elective.....   | 18 crs                   |  |  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| <b>Total.....</b>   | <b>120 crs</b>           |  |  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| Mathematics A257 or H257 Calculus 1   | 4                        | Synthesis & Characterization<br>A314 _____ 2 | _____ 3  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| Physics A101/A103 Intro Mechanics/Lab   | 4/1                      | Inorganic Chem I<br>A350 _____ 3             | _____ 3  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| <b>Subtotal</b>   | <b>9</b>                 | Physical Chem I<br>A306 _____ 3              | _____ 3  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| <b>Honors Disciplinary Requirements</b>   |                          | Integrated Chem Lab I<br>A320 _____ 3        | _____ 3  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| History H-level _____   | 3                        | Biochemistry I<br>A400 _____ 3               | _____ 3  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| Literature H-level _____  | 3                        | Biochemistry I - Lab<br>A402 _____ 1         | _____ 3  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| Religious Studies H-level _____   | 3                        | Biochemistry II<br>A401 _____ 3              | _____ 3  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| Philosophy H-level _____  | 3                        | Capstone Presentation<br>A493 _____ 1        |  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| History (H-level, HIST-A/Q/P200+ course, or AP credit)  | 3                        |  |  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| Religious Studies (H-level or 200+ RELS course)   | 3                        |  |  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| Philosophy (H-level or PHIL-U/W200+ course)   | 3                        |  |  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| Creative Arts & Culture (H-level or approved performance course(s))   | 3                        |  |  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| <b>Subtotal</b>   | <b>24</b>                |  |  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| <b>Honors Thesis Sequence</b>   |                          |  |  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| CHEM A498 "Research" (fulfilled in the major)   | <input type="checkbox"/> |  |  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| CHEM A493 "Capstone" (fulfilled in the major)   | <input type="checkbox"/> |  |  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| <b>Subtotal</b>   | <b>0-5</b>               |  |  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| <b>LANGUAGE OR COMPUTER PROGRAMMING.....3 Crs</b>   |                          | 5 Crs. Chem Electives, A300-400              | Crs Grade  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| A) Choice of either spoken or classical language at the A101 level. Language above A101 not required for Chemistry Majors. If place at A100 level, take A100 & A101. A100 credits will count in General Elective. |                          |  |  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| Placement _____ /LANG A101 _____  | 3                        |  |  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| B) Intro to Programming I & II: COSC A211 is the prerequisite for COSC A212. Credits for COSC A211 will count in General Elective.  |                          |  |  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
| <b>COSC A211 (check-off <input type="checkbox"/>) &amp; COSC A212 _____</b>   | <b>3</b>                 |  |  |   |                        |        |               |       |            |        |              |        |                       |        |                   |                |
|   |                          |  |  | <sup>1</sup> May be satisfied with an ethics course in the major; if not, an honors ethics course must be used to satisfy at least one Honors Disciplinary Requirement  |                        |        |               |       |            |        |              |        |                       |        |                   |                |
|   |                          |  |  | Courses used in the major cannot also be used to satisfy requirements for a minor: Non-major courses WILL be applied to minors as appropriate.  |                        |        |               |       |            |        |              |        |                       |        |                   |                |