

Four-Year Curriculum Plan

| First Year — Fall Semester _____   | Cr. |
|--|-----|
| UACT 100 Strategies for College Success*   | 2   |
| EDUC 210 Instructional Tech. & Learning Res.*#   | 2   |
| BIOL 111 General Biology I & Lab*#   | 4   |
| <small>Prerequisite: Successful Completion (C- or better) BIOL 100, placement in ENGL 101, OR ACT/SAT reading/verbal score of 23</small> |     |
| CHEM 111 General Chemistry I & Lab#  | 4   |
| <small>Prerequisite: Math ACT of 21 or higher or successful (C- or better) of Math 105, 115, or 120.</small>                             |     |
| LNCN 100 Lincoln's Life & Legacy*  | 1   |
| MATH 150 Calculus I*#  | 4   |
| <small>Prerequisite for PHYS 215 and CHEM 310</small>  |     |

**Total Credits 16**

You should be exploring opportunities to participate in service initiatives.

| Second Year — Fall Semester _____  | Cr. |
|--|-----|
| PHYS 211 General Physics I & Lab#  | 4   |
| <small>Prerequisite: Math ACT of 26 or higher, or successful completion (C- or better) in MATH 120</small> |     |
| PHYS 215 App. of Calc. to Gen. Physics#  | 1   |
| ENGL 102 Composition II*   | 3   |
| CHEM 221 Organic Chemistry I & Lab#  | 4   |
| <small>Prerequisite: successful completion of CHEM 112 with a grade of C- or better.</small>               |     |
| Fine Art Requirement*  | 3   |
| HIST Requirement*  | 3   |

**Total Credits 18**

Track 300/400 level courses you take. Complete at least 42 credits for graduation

| Third Year — Fall Semester _____  | Cr. |
|---|-----|
| EDUC 370 Secondary Instructional Methods#   | 3   |
| CHEM 331 Quantitative & Instr. Analysis I#  | 4   |
| <small>Prerequisites: Successful completion (C- or better) of CHEM 221</small>  |     |
| ENGL 240, 250, or 260*  | 3   |
| BIOL 441 Biochemistry I#  | 4   |
| <small>Prerequisite: Successful completion (C- or better) of BIOL 111 with lab and CHEM 221 and 222 with labs, Fall</small> |     |
| COMM 200 Fund Speech & Comm*  | 3   |
| CHEM 397 JR Sc Sem and Writing#   | 1   |
| <small>Prerequisites: Successful completion (C- or better) of ENGL 102 or equivalent.</small>                               |     |
| LNCN 300 American Citizenship*  | 1   |

**Total Credits 17**

Begin preparation for taking the PRAXIS

| Fourth Year — Fall Semester _____   | Cr. |
|---|-----|
| CHEM 451 Physical Chemistry I#  | 4   |
| <small>Prerequisite: Successful completion (C- or better) of CHEM 112</small> |     |
| CHEM 497 Senior Science Seminar#  | 1   |
| Free Elective   | 1   |
| Fine Arts/Humanities/Ethics Requirement*                                      | 3   |
| Soc./Behavioral Science Requirement*  | 3   |
| EDUC 370 Measurement and Evaluation #   | 3   |
| EDUC 480 Pre-Clinical Experience#   | 2   |

**Total Credits 17**

Complete the Intent to Graduate form during your Academic Advising Meeting.

| First Year — Spring Semester _____   | Cr. |
|--|-----|
| ENGL 101 Composition I*  | 3   |
| PSYC 221 Child & Adolescent Development  | 3   |
| BIOL 112 General Biology II & Lab*#  | 4   |
| <small>Prerequisite: Successful completion (C- or better) of BIOL 111 with lab</small> |     |
| CHEM 112 General Chemistry II & Lab#   | 4   |
| <small>Prerequisite: Successful completion (C- or better) of CHEM 111</small>          |     |
| MATH 250 Calculus II#  | 4   |
| <small>Prerequisite: Successful completion (C- or better) of MATH 150</small>          |     |

**Total Credits 17**

Be sure to discuss any plans to take summer classes with your Advisor.

| Second Year — Spring Semester _____   | Cr. |
|---|-----|
| PHYS 212 General Physics II & Lab#  | 4   |
| <small>Prerequisite: successful completion (grade of C- or better) in PHYS 211 and lab.</small> |     |
| CHEM 222 Organic Chemistry II & Lab#  | 4   |
| <small>Prerequisite: successful completion (C- or better) of CHEM 221 with lab.</small>         |     |
| PSYC 370 Educational Psychology#  | 3   |
| EDUC 290 The Reflective Teacher#  | 2   |
| HIST Requirement*   | 3   |

**Total Credits 17**

You should be exploring opportunities to conduct research. Students in teacher licensure programs are required to apply for admission to the teacher licensure program while enrolled in EDUC 290

| Third Year — Spring Semester _____  | Cr. |
|---|-----|
| CHEM 310 Math Methods in Chemistry#   | 4   |
| <small>Prerequisites: Successful completion (C- or better) of MATH 150, 250.</small>        |     |
| CHEM 332 Quantitative & Instrumental Analysis II#   | 3   |
| <small>Prerequisites: Successful completion (C- or better) of CHEM 221, CHEM 331</small>    |     |
| CHEM 460 Inorganic Chemistry#   | 3   |
| <small>Prerequisites: Successful Completion (C- or better) of CHEM 111 and CHEM 112</small> |     |
| STEM 460 Teaching Methods in STEM#  | 3   |
| EDUC 390 Diversity in Today's Classroom#  | 2   |
| SPED 320 K-12 Differentiated Learning#  | 2   |

**Total Credits 17**

Consider taking CHEM 483 in order to progress on your mentored research project.

| Fourth Year — Spring Semester _____        | Cr. |
|--|-----|
| EDUC 497 Enhanced Clinical Pract.          | 9   |
| EDUC 497F Enhanced Clinical Pract. Seminar | 3   |

**Total Credits 12**

All Praxis II requirements and program criteria must be met prior to registration for EDUC 497, Enhanced Clinical Practice

\*LMU Core Curriculum Requirement: See LMU undergraduate catalog for details  
# Major-Specific Requirement/Collateral Requirement: These courses must be passed with at least a C- or better to progress in the program. See LMU catalog for specific grade requirements.

| Clinical Hours Tracker | Required | Completed |
|------------------------|----------|-----------|
|------------------------|----------|-----------|

|   |          |  |
|---|----------|--|
| SPED 320  | 10 hours |  |
| EDUC 290 The Teaching Profession                      | 10 hours |  |
| EDUC 360 Secondary Instructional Methods & Strategies | 30 hours |  |
| EDUC 370 Measurement and Evaluation                   | 20 hours |  |
| EDUC 380 Literacy Across Secondary Curricula          | 30 hours |  |
| EDUC 480 Pre-Clinical Experience                      | 50 hours |  |

**Four-year plan:** Suggested four-year plan for freshmen entering LMU Fall 2020. Always consult LMU's Undergraduate Catalog and discuss with your academic advisor every semester prior to registering for classes. Timing of courses may deviate from this plan based on a number of factors

### Useful Contacts

| Title                                    | Name                | Email  | Phone number |
|--|---------------------|--|--------------|
| Chair, Department of Chemistry           | Dr. Stephen Everly  | <a href="mailto:Stephen.Everly@lmunet.edu">Stephen.Everly@lmunet.edu</a>     | 423.869.6472 |
| Program Director, Chemical Physics       | Dr. Kevin Cooper    | <a href="mailto:Kevin.Cooper@lmunet.edu">Kevin.Cooper@lmunet.edu</a>         | 423.869.7156 |
| Chair, Undergrad Education               | Dr. Alexander Parks | <a href="mailto:Alexander.Parks@lmunet.edu">Alexander.Parks@lmunet.edu</a>   | 423.869.6553 |
| Academic Support Assistant for Education | Cathy Dunn          | <a href="mailto:Cathy.Dunn@lmunet.edu">Cathy.Dunn@lmunet.edu</a>             | 423.869.2542 |
| Academic Support & Tutoring              | Tagge Center        | <a href="mailto:Taggecenter@lmunet.edu">Taggecenter@lmunet.edu</a>           | 423.869.6310 |
| Student Counseling                       | Jessica Parker      | <a href="mailto:Jessica.Parker@lmunet.edu">Jessica.Parker@lmunet.edu</a>     | 423.869.6277 |
| Career Services Counselor                | Jennifer Butcher    | <a href="mailto:Jennifer.Butcher@lmunet.edu">Jennifer.Butcher@lmunet.edu</a> | 423.869.6679 |
| Student Success Coordinator              | John Morgan         | <a href="mailto:John.Morgan02@lmunet.edu">John.Morgan02@lmunet.edu</a>       | 423.489.7251 |

### Credit Hour Requirements

In order to graduate you need to complete a minimum of 128 credit hours. At least 42 of these hours must be at the 300/400 level. Track your hours in each of these categories as you progress to ensure timely completion of the program.

| Semester                   | # of credit hours |         |                                     |                                      | Cumulative GPA |
|----------------------------|-------------------|---------|-------------------------------------|--------------------------------------|----------------|
|                            | Current semester  | 300/400 | Total Earned<br>(Add all semesters) | Total 300/400<br>(Add all semesters) |                |
| 1 <sup>st</sup> Yr. Fall   |                   |         |                                     |                                      |                |
| 1 <sup>st</sup> Yr. Spring |                   |         |                                     |                                      |                |
| 2 <sup>nd</sup> Yr. Fall   |                   |         |                                     |                                      |                |
| 2 <sup>nd</sup> Yr. Spring |                   |         |                                     |                                      |                |
| 3 <sup>rd</sup> Yr. Fall   |                   |         |                                     |                                      |                |
| 3 <sup>rd</sup> Yr. Spring |                   |         |                                     |                                      |                |
| 4 <sup>th</sup> Yr. Fall   |                   |         |                                     |                                      |                |
| 4 <sup>th</sup> Yr. Spring |                   |         |                                     |                                      |                |

### Career Exploration

| Career | Description | Career Preparation – internship, research experience, coursework, etc | Career Qualifications |
|--------|-------------|---|-----------------------|
|        |             |   | BS                    |
|        |             |   | MS                    |
|        |             |   | PhD                   |
|        |             |   | Certifications        |
|        |             |   | BS                    |
|        |             |   | MS                    |
|        |             |   | PhD                   |
|        |             |   | Certifications        |
|        |             |   | BS                    |
|        |             |   | MS                    |
|        |             |   | PhD                   |
|        |             |   | Certifications        |