

| First Year — Fall Semester _____ | Cr. |
|---|-----------|
| ENGL 101 Composition I* | 3 |
| UACT 100 Strategies for College Success* | 1 |
| BIOL 111 General Biology I & Lab* [#] | 4 |
| Prerequisite: Successful Completion (C- or better) BIOL 100, placement in ENGL 101, OR ACT/SAT reading/verbal score of 23 | |
| MATH 120 Trigonometry* [#] | 3 |
| Prerequisite: Successful completion (C- or better) of MATH 115, OR Math ACT sub-score of 23 or higher | |
| BIOL 194 Pre-Med Seminar [#] | 1 |
| CHEM 111 General Chemistry I & Lab [#] | 4 |
| Prerequisite: Successful completion (C- or better) of Math 105, 115, or 120, OR Math ACT sub-score of 23 higher, Fall | |
| Total Credits | 16 |
| <ul style="list-style-type: none"> You should be exploring opportunities to participate in service initiatives. Have you joined the Pre-Med Club? | |

| Second Year — Fall Semester _____ | Cr. |
|--|-----------|
| BIOL 294 Pre-Med Seminar [#] | 1 |
| PSYC 100 Intro to Psychology* [#] | 3 |
| BIOL 315 Molecular Genetics & Lab [#] | 4 |
| Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs and CHEM 111 with labs | |
| CHEM 221 Organic Chemistry I & Lab [#] | 4 |
| Prerequisite: Successful completion (C- or better) of CHEM 112 with lab, Fall | |
| PHYS 211 General Physics I & Lab [#] | 4 |
| Prerequisite: Successful completion (C- or better) in MATH 120, or a Math ACT sub-score of 26 or higher, Fall | |
| Total Credits | 16 |
| <ul style="list-style-type: none"> You should be exploring opportunities to volunteer and get involved in activities on campus including leadership roles. Keep track of the number of 300/400 level courses you take. You need to complete at least 36 credits for graduation | |

| Third Year — Fall Semester _____ | Cr. |
|---|-----------|
| History Requirement* | 3 |
| Fine Arts Requirement* | 3 |
| Elective-Any Elective of your Choice | 3 |
| BIOL 441 Biochemistry I [#] | 4 |
| Prerequisite: Successful completion (C- or better) of BIOL 111 with lab and CHEM 221 and 222 with labs, Fall | |
| BIOL 310 Comp. Vert. Anatomy & Lab [#] | 4 |
| Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 and CHEM 111 and 112 with labs, Fall | |
| Total Credits | 17 |
| <ul style="list-style-type: none"> Make plans to prepare and take graduate/professional school entrance exams (e.g., DAT, GRE, MCAT, PA-CAT, OAT) Start thinking about who you would like to write you a letter of recommendation | |

| Fourth Year — Fall Semester _____ | Cr. |
|--|-----------|
| CIVX 300 American Civics* | 2 |
| Ethics elective (BIOL 224 or PHIL 430*) [#] | 3 |
| Upper-Level Track Elective (3-4 cr) [#] | 4 |
| See page 2 for choices | |
| Upper-Level Track Elective (3-4 cr) [#] | 4 |
| See page 2 for choices | |
| Total Credits | 13 |
| <ul style="list-style-type: none"> Submit application to graduate/professional school Conduct a mock interview Complete the Intent to Graduate form after you have registered for your spring semester Participate in a research project | |

| First Year — Spring Semester _____ | Cr. |
|---|-----------|
| ENGL 102 Composition II* | 3 |
| LNCN 100 Lincoln's Life & Legacy* | 1 |
| BIOL 112 General Biology II & Lab* [#] | 4 |
| Prerequisite: Successful completion (C- or better) of BIOL 111 with lab | |
| CHEM 112 General Chemistry II & Lab [#] | 4 |
| Prerequisite: Successful completion (C- or better) of Chem 111 with lab, Spring | |
| MATH 270 Probability & Statistics [#] | 3 |
| Prerequisite for BIOL 380 | |
| Total Credits | 15 |
| <ul style="list-style-type: none"> Explore which graduate/professional school entrance exams you will need to take (e.g., DAT, GRE, MCAT, PA-CAT, OAT) Seek shadowing and/or volunteer opportunities during the summer. | |

| Second Year — Spring Semester _____ | Cr. |
|--|-----------|
| COMM 200 Fund Speech & Communication* | 3 |
| SOCI 100 Intro to Sociology* [#] | 3 |
| BIOL 380 Research Design & Analysis [#] | 3 |
| Prerequisite: Successful completion (C- or better) of MATH 270 and BIOL 111 and 112 with labs | |
| CHEM 222 Organic Chemistry II & Lab [#] | 4 |
| Prerequisite: Successful completion (C- or better) of CHEM 221 with lab, Spring | |
| PHYS 212 General Physics II & Lab [#] | 4 |
| Prerequisite: Successful completion (C- or better) in PHYS 211 with lab, Spring | |
| Total Credits | 17 |
| <ul style="list-style-type: none"> Plan out your last four semesters – think about what classes you need to prepare for your entrance exam; these should be completed by the end of your third year Keep track of the number of hours you are completing in volunteer experiences and shadowing. | |

| Third Year — Spring Semester _____ | Cr. |
|--|-----------|
| History Requirement* | 3 |
| 300 or 400-level PSYC [#] | 3 |
| BIOL 387/X JR Pre-Med Sc Sem and Writing [#] | 1 |
| Prerequisite: Successful completion (C- or better) of ENGL 102 or equivalent | |
| Molecular and Cell Elective Course [#] | 4 |
| See page 2 for choices | |
| Organismic Elective Course [#] | 4 |
| See page 2 for choices | |
| Total Credits | 15 |
| <ul style="list-style-type: none"> Explore opportunities to conduct research in your fourth year Schedule your graduate/professional school entrance exams (e.g., DAT, GRE, MCAT, PA-CAT, OAT) date for the summer and begin studying Identify writers for letters of recommendation and ask them before leaving for the summer | |

| Fourth Year — Spring Semester _____ | Cr. |
|--|-----------|
| Electives - Any course of your choice | 4 |
| BIOL 487/Z Sr Pre-Med Sc Sem & Writing [#] | 1 |
| Prerequisite: Successful completion (B- or better) of BIOL 387 | |
| Upper-Level Track Elective (3-4 cr) [#] | 4 |
| See page 2 for choices | |
| Upper-Level Track Elective (3-4 cr) [#] | 4 |
| See page 2 for choices | |
| Total Credits | 13 |
| <ul style="list-style-type: none"> Participate in a research project. Explore opportunities to present Explore gap year options, if applicable | |

*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.

Course Options for Program Track Electives

Required to take at least 22 credit hours total

| Organismic Elective Course <small>Must select <i>one</i> of the following courses</small> | Cr. |
|---|-----|
| BIOL 336 General Microbiology <small>Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs and CHEM 111 and 112 with labs, Spring</small> | 4 |
| BIOL 365 General Physiology <small>Prerequisite: Successful Completion (C- or better) BIOL 310 lecture with lab, Spring</small> | 4 |
| PEXS 300 Physiology of Exercise | 3 |
| VHS 300 Vet Parasitology & Entomology <small>Prerequisite: Successful Completion (C- or better) of BIOL 112 with lab; Junior Standing, Fall</small> | 4 |
| <ul style="list-style-type: none"> If the course has a corresponding laboratory course, the laboratory course MUST be taken Must be passed with a C- or better to progress in the program. | |

| Upper-Level Track Electives <small>Remaining hours to add to 22</small> | Cr. |
|---|-----|
| AHSC 300 Medical Terminology | 3 |
| BIOL 320 Principles of Botany <small>Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs, Spring</small> | 4 |
| BIOL 334 General Histology <small>Prerequisite: Successful completion (C- or better) of BIOL 310, Spring</small> | 2 |
| BIOL 336 General Microbiology <small>Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs and CHEM 111 and 112 with labs, Spring</small> | 4 |
| BIOL 360 Immunology <small>Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs and CHEM 111 and 112 with labs, Fall</small> | 3 |
| BIOL 365 General Physiology <small>Prerequisite: Successful completion of BIOL 310 with lab, Spring</small> | 4 |
| BIOL 370 Ecology <small>Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs, Fall</small> | 4 |
| BIOL 410 Evolution <small>Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs, Spring odd years</small> | 3 |
| BIOL 411 Advanced Human Anatomy <small>Prerequisite: Successful completion (B- or better) of BIOL 311 and 312 with labs AND consent of instructor, Spring</small> | 4 |
| BIOL 442 Biochemistry II <small>Prerequisite: Successful completion (C- or better) of BIOL 441, Spring</small> | 4 |
| BIOL 450 Molecular Cell Biology <small>Prerequisite: Successful completion (C- or better) of BIOL 315 with lab and BIOL 441, Spring</small> | 4 |
| BIOL 460 Developmental Biology <small>Prerequisite: Successful completion (C- or better) of BIOL 310 with lab and BIOL 315 with lab, Spring odd years</small> | 3 |
| BIOL 483 Research in Biology (max 3) <small>Prerequisite: Junior standing and consent of faculty supervisor, Fall/Spring/Summer</small> | 1-3 |
| PEXS 300 Physiology of Exercise <small>Fall</small> | 3 |
| PEXS 372 Kinesiology and Biomechanics <small>Prerequisite: MATH, Spring</small> | 3 |
| PSYC 475 Neuropsychology <small>Prerequisite: PSYC 100, Fall</small> | 3 |
| VHS 300 Vet Parasitology & Entomology <small>Prerequisite: BIOL 112; Junior Standing, Fall</small> | 4 |
| VHS 330 One Health <small>Prerequisite: ENGL 102 and Junior Standing, Fall</small> | 3 |
| VHS 400 Zoonotic Diseases Vet/Publ. Hlth <small>Prerequisite: BIOL 112 and Junior Standing, Fall online</small> | 3 |
| <ul style="list-style-type: none"> Course cannot count for the Molecular/Cell or Organismic level and upper level If the course has a corresponding laboratory course, the laboratory course MUST be taken Must be passed with a C- or better to progress in the program. | |

| Molecular and Cell Courses <small>Must select <i>one</i> of the following courses</small> | Cr. |
|---|-----|
| BIOL 360 Immunology <small>Prerequisite: Successful completion (C- or better) of BIOL 111 and 112 with labs and CHEM 111 and 112 with labs, Fall</small> | 3 |
| BIOL 442 Biochemistry II <small>Prerequisite: Successful completion (C- or better) of BIOL 441, Spring</small> | 4 |
| BIOL 450 Molecular Cell Biology <small>Prerequisite: Successful completion (C- or better) of BIOL 315 with lab and BIOL 441, Spring</small> | 3 |
| <ul style="list-style-type: none"> If the course has a corresponding laboratory course, the laboratory course MUST be taken Must be passed with a C- or better to progress in the program. | |

| Credit Hour Requirements | | | | | |
|--|-------------------|---------|-------------------------------------|--------------------------------------|----------------|
| In order to graduate you need to complete a minimum of 122 credit hours. At least 36 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 (Add all semesters) | Total 300/400 (Add all semesters) | |
| 1 st Yr. Fall | | | | | |
| 1 st Yr. Spring | | | | | |
| 2 nd Yr. Fall | | | | | |
| 2 nd Yr. Spring | | | | | |
| 3 rd Yr. Fall | | | | | |
| 3 rd Yr. Spring | | | | | |
| 4 th Yr. Fall | | | | | |
| 4 th Yr. Spring | | | | | |

| Professional Tracking | | |
|-----------------------|---------|-----|
| | Average | You |
| Entrance exam | | |
| Cumulative GPA | | |
| Science GPA | | |
| Shadowing hours | | |
| Volunteer hours | | |
| Other: | | |
| Other: | | |
| Other: | | |

Alternative Paths: _____
