

Fall Courses — First Year	Cr
ENGL101 Composition I <sup>a</sup>	3
UACT100 Strategies for College Success <sup>a</sup>	1
CHEM111&(L) General Chemistry & Lab <sup>a</sup>	4
ENGR100 Engineering Portal	1
ENGR104 Math Applications to Engineering	2
MATH150 Calculus I <sup>a</sup>	4
<b>Total Credits</b>	<b>15</b>

- You should be exploring opportunities to participate in service initiatives.
- Have you joined ASCE or SWE?

Spring Courses — First Year	Cr
ENGL102 Composition II <sup>a</sup>	3
ENGR105 Engineering Graphics	2
ENGR106 Engineering Computer Skills	2
MATH250 Calculus II	4
PHYS151&(L) Calculus Based Physics1 & Lab <sup>a</sup>	4
LNCN100 Lincoln's Life and Legacy <sup>a</sup>	1
<b>Total Credits</b>	<b>16</b>

- Seek shadowing and /or volunteer opportunities during the summer.
- Do you need to take a summer course?

Fall Courses — Second Year	Cr
CE200&(L) Land Surveying & Lab	4
ES211 Statics	3
ENGR200 Engineering Profession I	1
MATH350 Differential Equations	3
COMM200 Fundamentals of Speech Comm. <sup>a</sup>	3
<b>Total Credits</b>	<b>14</b>

- You should be exploring opportunities to volunteer and get involved in activities on campus including leadership roles.

Spring Courses — Second Year	Cr
Ethics, FineArts, or Humanities Elective <sup>a</sup>	3
CE220&(L) CE Materials & Lab	4
ES212 Solid Mechanics	3
ES214 Dynamics	3
MATH255 Calculus III	4
<b>Total Credits</b>	<b>17</b>

- Finalize summer plans : job, engineering internship, or summer class.

Fall Courses — Third Year	Cr
Behavioral/Social Science Elective <sup>ab</sup>	3
CE311 Structural Analysis	3
CE330&(L) Geotechnical Engineering & Lab	4
ES250&(L) Fluid Mechanics and Lab	4
MGMT300 Principles of Management	3
<b>Total Credits</b>	<b>17</b>

- Investigate potential summer internship opportunities.
- Start thinking about who you would like as a future reference.

Spring Courses — Third Year	Cr
CE312&(L) Structural Design & Lab	4
CE340 Transportation Engineering	3
CE350&(L) Water Resources & Lab	4
ENGR300&300X Engineering Profession II <sup>c</sup>	1
ENGR304 Engineering Economics	2
MATH270 or MATH370 Probability&Statistics	3
<b>Total Credits</b>	<b>17</b>

- Explore opportunities to conduct research if you plan to pursue graduate school.
- Identify and apply for summer internships or other opportunities

Fall Courses — Fourth Year	Cr
CE360 Construction Engineering	3
CE401 CE Senior Design I	1
CE4xx CE Elective	3
CE4xx CE Elective	3
ENGR400 FE Review	1
HIST1xx History Elective <sup>a</sup>	3
<b>Total Credits</b>	<b>14</b>

- Complete the Intent to Graduate form during your Academic Advising Meeting.
- Upload EPD report to Canvas – Engineering Resources course.
- Apply for full-time employment or graduate school.

Spring Courses — Fourth Year	Cr
CE402&402Z CE Senior Design II <sup>c</sup>	3
CE4xx CE Elective	3
CIVX300 American Civics <sup>a</sup>	2
Ethics, FineArts, or Humanities Elective <sup>a</sup>	3
HIST1xx History Elective <sup>a</sup>	3
<b>Total Credits</b>	<b>14</b>

- Participate in a research project. Explore opportunities to present research.
- Identify and apply for jobs.

**a: LMU General Education Requirement:** See LMU undergraduate catalog for details

**b: ASCE Requirement:** Per ABET program criteria established by ASCE, all graduates must take a COSC, BIOL, or GEOG course. The GEOG course will fulfill both the Beh/SS elective and the ASCE requirement.

**c: Writing Requirement:** ENGR300X and CE402Z fulfill the junior and senior writing requirement.

**Engineering Professional Development (EPD) Requirement:** The EPD requirement relates to the school's mission to develop job-ready engineers who prioritize the welfare of society. Fulfillment of the EPD is at the discretion of the Dean, Chair, or Program Director, and includes but is not limited to a professional enrichment activity, internship, or co-op. To fulfill this requirement, every student must submit a written report summarizing how their experience better prepares them for a career in engineering.

See LMU catalog for specific pre-requisite and grade requirements.