

First Year — Fall Semester	Cr.
History Requirement*	3
ENGL 101 Composition I*	3
UACT 100 Strategies for College Success*	1
MATH 115 College Algebra*#	3
Prerequisite: Successful completion (C- or better) of MATH 105 or ACT sub-score of 23 or higher	
COSC 160 Computer Science I#	3
Prerequisite: Successful completion (C- or better) of MATH 115 or ACT sub-score of 23 or higher	
COSC 194 Computer Science Career Sem#	2
<b>Total Credits</b>	<b>15</b>

- You should be exploring opportunities to participate in service initiatives.

Second Year — Fall Semester	Cr.
Fine Arts Requirement*	3
MATH 270 Probability & Statistics#	3
Prerequisite: Successful completion (C- or better) of MATH 115 or ACT sub-score of 23 or higher	
Behavioral/Social Science Requirement*	3
COSC 244 Data Structures#	3
Prerequisite: Successful completion (C- or better) of COSC 240 and MATH 120	
PHYS 211 General Physics I & Lab#	4
Prerequisite: (1) a Math ACT sub-score of 26 or higher, or (2) successful completion (grade of C- or better) in MATH 120 Trigonometry	
<b>Total Credits</b>	<b>16</b>

- Keep track of the number of 300/400 level courses you take. You need to complete at least 42 credits for graduation

Third Year — Fall Semester	Cr.
CHEM 111 General Chemistry I & Lab#	4
Prerequisite: (1) a Math ACT of 21 or higher or (2) successful (C- or better) grade in Math 105, Math 115, or Math 120.	
COMM 200 Fund Speech & Comm.#	3
COSC 350 Programing Language#	3
Prerequisite: Successful completion (C- or better) of COSC 244	
COSC 354 Network & Data Comm.#	3
Prerequisite: Successful completion (C- or better) of COSC 244	
MATH 250 Calculus II#	4
Prerequisite: Successful completion (C- or better) of MATH 150	
<b>Total Credits</b>	<b>17</b>

- Begin exploring internship and shadowing opportunities.

Fourth Year — Fall Semester	Cr.
PHIL 330 Ethics*	3
COSC 358 Artificial Intelligence#	3
Prerequisite: Successful completion (C- or better) of COSC 244	
COSC 444 Software Engineering II#	3
Prerequisite: Successful completion (C- or better) of COSC 344	
COSC 446 Program Translation#	3
Prerequisite: Successful completion (C- or better) of COSC 344 and COSC 350	
PHYS 350 Intro to Electronics & Lab#	4
Prerequisite: Successful completion (C- or better) of PHYS 212	
<b>Total Credits</b>	<b>16</b>

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

First Year — Spring Semester	Cr.
History Requirement*	3
ENGL 102 Composition II*	3
LNCN 100 Lincoln's Life & Legacy*	1
#COSC 240 Computer Science II#	3
Prerequisite: Successful completion (C- or better) of COSC 160	
MATH 220 Discrete Structures#	3
Prerequisite: Successful completion (C- or better) of MATH 115 or ACT sub-score of 23 or higher	
MATH 120 Trigonometry*#	3
Prerequisite: Successful completion (C- or better) of MATH 115 or ACT sub-score of 23 or higher. You must take this as a prerequisite for PHYS 211	
<b>Total Credits</b>	<b>16</b>

Second Year — Spring Semester	Cr.
Behavioral/Social Science Requirement*	3
COSC 344 Software Engineering I#	3
Prerequisite: Successful completion (C- or better) of COSC 244	
COSC 346 Operating Systems#	3
Prerequisite: Successful completion (C- or better) of COSC 244	
MATH 150 Calculus I#	4
Prerequisite: Successful completion (C- or better) of MATH 120 or ACT sub-score of 26 or higher	
PHYS 212 General Physics II & Lab#	4
Prerequisite for enrollment in PHYS 212 is successful completion (grade of C- or better) in PHYS 211 and lab.	
<b>Total Credits</b>	<b>17</b>

- You should be exploring opportunities to conduct research.
- Keep track of the number of hours you are completing in research, service, and shadowing.

Third Year — Spring Semester	Cr.
ENGL 240, 250*	3
COSC 348 Principles of Algorithms#	3
Prerequisite: Successful completion (C- or better) of COSC 244	
COSC 356 Database Management#	3
Prerequisite: Successful completion (C- or better) of COSC 244	
COSC 440 Network Security#	3
Prerequisite: Successful completion (C- or better) of CSC 354	
MATH 260 Elementary Linear Algebra#	3
Prerequisite: Successful completion (C- or better) of MATH 150	
<b>Total Credits</b>	<b>15</b>

Fourth Year — Spring Semester	Cr.
Gen. Elective - Any course of your choice	3
CIVX 300 American Civics*	2
COSC 448 Computer Theory#	3
Prerequisite: Successful completion (C- or better) of MATH 220 and COSC 348, or permission of instructor.	
COSC 450 Computer Architecture#	3
Prerequisite: Successful completion (C- or better) of COSC 244 and PHYS 350 with lab	
COSC 498 Computer Science Internship#	3
Prerequisite: Successful completion (C- or better) of COSC 344 and departmental approval.	
<b>Total Credits</b>	<b>14</b>

\*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.

Useful Contacts			
Title	Name	Email	Phone number
Chair, Department of Mathematics	Dr. Jeffrey Darrow	<a href="mailto:Jeffrey.Darrow@Imunet.edu">Jeffrey.Darrow@Imunet.edu</a>	423.869.6420
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Student Success Coordinator	Gerald Branham	<a href="mailto:Gerald.Branham@Imunet.edu">Gerald.Branham@Imunet.edu</a>	423.869.6611

Credit Hour Requirements					
In order to graduate you need to complete a minimum of 126 credit hours. At least 42 of these hours must be at the 300/400 level. It is recommended that you track your hours in each of these categories as you progress.					
Semester	# of credit hours				Cumulative GPA
	Current semester	300/400	Total Earned (Add all semesters)	Total 300/400 (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
			BS
			MS
			PhD
			Certifications
			Certifications