

Cumulative GPA:

Course	Grade	Credits
Basic Engineering:		
CSCI 1060 Scientific Programming		3
ECE 1100		2
ECE 1200		2
SE 1700 Engineering Fundamentals		2
SE 1701 Engineering Studio		1
MENG Required Courses[†]:		
MENG 1000 Design Thinking		3
MENG 1011 Prototyping		1
MENG 2100X Statics		3
MENG 2150 Dynamics		3
MENG 2310 Thermodynamics		3
MENG 2400 Mechatronics Sys. Des.		3
MENG 2450 Engin. Experimentation		3
MENG 3001 ME Lab		1
MENG 3010 Machine Design		3
MENG 3105 Mechanics of Solids		1
MENG 3110 Linear Vibration		3
MENG 3111 Mechanics Lab		1
MENG 3200 Fluid Dynamics		3
MENG 3510X Materials Science		3
MENG 3600 Manuf. Processes		3
MENG 4024 Mech. Sys. Design		4
MENG 4300 Heat Transfer		3
MENG 4304 Thermal Sys. Design		3
MENG 4450 Mechatronics		3
Technical Electives (12 credits):		

Course	Grade	Credits
<i>Basic Science & Mathematics:</i>		
CHEM 1110		3
CHEM 1115		1
PHYS 1610		3
PHYS 1620		1
PHYS 1630		3
PHYS 1640		1
MATH 1510		4
MATH 1520		4
MATH 2530		4
MATH 3550		3
MATH/SCI. Elective		3

[illegible]

1. Complete no less than 120 credits, including the MENG major;
2. Have at least a 2.0 cumulative GPA, a 2.0 MENG GPA, and a 2.0 GPA in the minor or 2nd major;
3. Complete 30 of the final 36 cr. at SLU;
4. Submit the on-line application for graduation at the beginning of the last semester of study.

University Undergraduate Core

Course	Grade	Cr.
First Year		
SE 1700 Ignite Seminar		3
CORE 1500 Cura Personalis 1: Self in Community		1
ENGL 1900 Eloquentia Perfecta: Written & Visual Comm.		3
First Two Years		
Eloquentia Perfecta: Oral & Visual Comm. CMM 1200, LLC 1255, SPAN 3020		3
Ultimate Questions: Theology THEO 1600, HCE 1600		3
Ultimate Questions: Philosophy PHIL 1700		3
Ways of Thinking: Quantitative Reasoning CSCI 1060, MATH 1510/1520/2530		3
CORE 2500 Cura Personalis 2: Self in Contemplation THEO 2110/2210/2430 Experiences: https://www.slu.edu/core/core-classes/cura-personalis-2.php		0-3
Junior/Senior Years		
CORE 3500 Cura Personalis 3: Self in the World		1
CORE 4000: Collaborative Inquiry -- Any course with the UUC: CI attribute		3
Anytime		
Eloquentia Perfecta: Creative Expression One course with the UUC Creative Expression attribute. Examples: ART 2000/2100/2150/2200/2450, MUSC 2090/3400, DANC 2000/2650/2660/2670, THR 2510/3560, CMM 1500/2510/2550, ENGL 30x0/3100		3
Eloquentia Perfecta: Writing Intensive One course with the UUC Writing Intensive attribute. Examples: CMM 2100, ENGL 3140/3220/3240/3260/3470/3490/3875/4000, SPAN 3030, THEO 3375		3
Ways of Thinking: Social and Behavioral Sciences One course with the UUC Social and Behavioral Sciences attribute. Examples: ANTH 1210/2200, CMM 1000/2400/3000/3300/4460, ECON 1900, ENGL 4110, POLS 1100/1150/1600/2640, PSY 1010/3100/3120/3210/3300/3460, SPAN 4020/4030		3
Ways of Thinking: Aesthetics, History & Culture One course with the Aesthetics, History and Culture attribute. Examples: ARTH 1010/1080/1090/2070, CMM 3460/3840 ENGL 2020/2x50/3140/3220/3250/3260/3470, HIST 1110/1120/1600/1610/3090/3720, VPA 1000, MUSC 1000/1170, THR 1500, SPAN 4200/4260/4760/4790, THEO 2110/2210/2755/3375		3
Ways of Thinking: Natural and Applied Sciences CHEM 1110		3
Equity and Global Identities (0-Credit Attributes)		
<i>Identities in Context</i>		
One course with the Identities in Context attribute Examples: ANTH 1200/1210, CMM 3300, ENGL 2550/3330, VPA 1000, HCE 1600, HIST 1600/1610/3720, IPE 2100, PHIL 4810, POLS 1510/2590/3770, SPAN 4020/4790, THEO 2710, WGST 4810X		
<i>Global Interdependence</i>		
One course with the Global Interdependence attribute Examples: ANTH 2200, ARTH 1010/ARTH 1090, CMM 4460, ENGL 3330/3500, HIST 1120/3420/3720, IB 2000/3700, IPE 2100, POLS 1600/2560/2590, SOC 1180, THEO 2710/2755		
<i>Dignity, Ethics & Just Society</i>		
One course with the Dignity, Ethics & Just Society attribute Examples: CSCI 3050, ENGL 2250/3240/3500, HIST 3340, PHIL 2050/3050X/3700/4810 POLS 1500/1510/2691/3567/3770, THEO 3115, WGST 1900/3850/4810X		
<i>Reflection in Action</i>		
Internships or Approved Experiences: https://www.slu.edu/core/core-classes/reflection-in-action.php		
*New UUC attributes are approved every academic year. Please check Courses@SLU for newly approved UUC course offerings not listed on this checklist.		

Note: This worksheet is an advising tool, not an official document to certify academic record.

MENG Course	Prerequisite(s)
MENG 1000	SE 1700
MENG 2000	PHYS 1610* + MENG 1000*
MENG 2100X	PHYS 1610
MENG 2150	MENG 2100X* + MATH 1520
MENG 2310	MATH 2530*
MENG 2400	ECE 1100 + ECE 1200
MENG 3001	MENG 3110 + MENG 3510
MENG 3010	MENG 3105
MENG 3101	Corequisite: MENG 3105
MENG 3105	MENG 2100X + MATH 2510*
MENG 3110	MENG 2150 + MATH 3550*
MENG 3111	MENG 3105* + MENG 3200*
MENG 3200	MATH 2530*
MENG 3201	MENG 3200
MENG 3510X	MENG 3105, CHEM 1110
MENG 3600	MENG 1011 + MENG 3510
MENG 4024	MENG 3010 + MENG 4450; 90 earned credits
MENG 4300	CSCI 1060 + MENG 2310 + MENG 3200
MENG 4304	MENG 4300
MENG 4450	MENG 2400 + MENG 2450

*Concurrent registration allowed