

Name:

SID:

Degree: B.S.

Major(s): Computer Engineering

Minor(s):

Earned Hours:

Cumulative GPA:

Computer Engineering Requirements

Course	Grade	Cred.
<i>Basic Engineering and Communication</i>		
SE 1700 Engineering Fundamentals		2
ECE 1001 Intro to Comp. Engineering		1
ENGL 1920 Advanced Writing for Prof.		3
<i>Computer Science</i>		
CSCI 1300 Intro to Obj.-Oriented Progr.		4
CSCI 2100 Data Structures		4
CSCI 2300 Obj.-Oriented Softw. Progr.		3
CSCI 2510 Pples. of Computing Systems		3
<i>Computer Engineering Core</i>		
ECE 1100 Electrical Engineering 101		2
ECE 1200 Computer Engineering 101		2
ECE 2101 Electrical Circuits I		3
ECE 2103 Electrical Circuits Lab		1
ECE 2205 Digital Design		3
ECE 2206 Digital Design Lab		1
ECE 3205 Advanced Digital Design		3
ECE 3215 Computer Systems Design		3
ECE 3216 Comp. Systems Design Lab		1
ECE 3217 Comp. Architecture and Org.		3
ECE 3225 Microprocessors		3
ECE 3226 Microprocessors Lab		1
ECE 3130 Semiconductor Devices		3
ECE 3131 Electronic Circuit Design		3
ECE 3132 Elec. Circuit Design Lab		1
ECE 3150 Linear Systems		3
ECE 3151 Linear Systems Lab		1
ECE 3090 Junior Design		1
ECE 4245X Computer Networks		3
ECE 4800 Elec. & Comp. Eng. Design I		3
ECE 4810 Elec. & Comp. Eng. Design II		3
<i>ECE or CSCI Electives (6 credits):</i>		
<i>Technical Elective (3 credits):</i>		

Course	Grade	Credits
<i>Basic Science & Mathematics:</i>		
CHEM 1110 Gen. Chem. 1		3
CHEM 1115 Gen. Chem. 1 Lab		1
PHYS 1610 Univ. Physics I		3
PHYS 1620 Univ. Physics I Lab		1
PHYS 1630 Univ. Physics II		3
PHYS 1640 Univ. Physics II Lab		1
MATH 1660 Discrete Math		3
MATH 1510 Calculus I		4
MATH 1520 Calculus II		4
MATH 2530 Calculus II		4
MATH 3110 Linear Algebra		3
MATH 3550 Diff. Equations		3
ECE 3052 Prob. & Random Var.		3

Additional Program/Electives

Course	Grade	Cr.

To be certified for graduation, a student is required to...

1. Complete no less than 120 credits, including the CENG major;
2. Have at least a 2.0 cumulative GPA, a 2.0 CENG GPA, and a 2.0 GPA in any 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.

⁺See CSCI/ECE course prerequisites on page 3

University Undergraduate Core

Course	Grade	Cr.
First Year		
<i>SE 1700 Ignite Seminar</i>		3
<i>CORE 1500 Cura Personalis 1(or ECE 1001): Self in Community</i>		1
<i>ENGL 1900/1920 Eloquentia Perfecta: Written & Visual Comm.</i>		3
First Two Years		
<i>Eloquentia Perfecta: Oral & Visual Comm.</i> CMM 1200, LLC 1255, SPAN 3020		3
<i>Ultimate Questions: Theology</i> THEO 1600, HCE 1600		3
<i>Ultimate Questions: Philosophy</i> PHIL 1700		3
<i>Ways of Thinking: Quantitative Reasoning</i> MATH 1510/1520/2530		3
<i>CORE 2500 Cura Personalis 2: Self in Contemplation</i> THEO 2110/2210/2430 or Experiences: https://www.slu.edu/core/core-classes/cura-personalis-2.php		0-3
Junior/Senior Years		
<i>CORE 3500 Cura Personalis 3: Self in the World</i>		1
<i>CORE 4000: Collaborative Inquiry -- Any course with the UUC: CI attribute</i>		3
Anytime		
<i>Eloquentia Perfecta: Creative Expression</i> 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
<i>Eloquentia Perfecta: Writing Intensive</i> 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
<i>Ways of Thinking: Social and Behavioral Sciences</i> 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
<i>Ways of Thinking: Aesthetics, History & Culture</i> One course with the UUC AHC attribute. Examples: ARTH 1010/1080/1090/2070, CMM 3460/3840, ENGL 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
<i>Ways of Thinking: Natural and Applied Sciences</i> CHEM 1110		3
Equity and Global Identities (0-Credit Attributes)		
<i>Identities in Context</i>		
One course with the UUC IIC 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 UDEJ 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.

CSCI/ECE Course	Prerequisite(s)
CSCI 1300	Course from CSCI 1010-1090 (C- or higher), ECE 1001 (C- or higher), MATH 1200
CSCI 2100	CSCI 1300 + MATH 1660*
CSCI 2300	CSCI 2100
CSCI 2510	CSCI 2500 or ECE 2005 + ECE 3117 + ECE 3225
ECE 2101	PHYS 1610+MATH 1520
ECE 2103	ECE 2101*
ECE 3205	ECE 2205
ECE 3215	ECE 3205 + ECE 3225
ECE 3217	CSCI 1300 + MATH 1660
ECE 3225	CSCI 1060 + CSCI 1300
ECE 3130	ECE 2102 + MATH 3550
ECE 3131	ECE 3130
ECE 3150	ECE 2001 + ECE 2102 or ECE 2102 + MATH 3550
ECE 3090	ECE 3150
ECE 4245	CSCI 3500
ECE 4800	Min. 90 Credits Earned
ECE 4810	ECE 4800

*Concurrent registration allowed