



Greenville University - Lake Land College
Associate of Science Degree--Pre-Engineering
Transfer Program Guide - Engineering

Completion of an Associate in Arts or Science degree at Lake Land College fulfills Greenville University's lower division general education requirements. Upon acceptance, students will need to fulfill program and university requirements at Greenville.

This "Transfer Program Guide" is an *example* of a proposed curriculum for students to use while completing their associate degree. Reading, writing and math placement could alter the course sequencing and transfer date. Therefore, students should begin sequencing their reading/writing (if applicable), math and science courses during the first semester, paying close attention to prerequisites. Students have the option of taking summer classes to lessen fall and spring course loads.

It is highly recommended that students meet with a LLC advisor each semester.

First Semester

LLC Course	Credits
ENG 120 Composition I	3
CHM 150 General Chemistry I †	4
MAT 241 Analytical Geom-Calc I †	5
ECO 231 Prin of Economics I	3
TEC 103 Engineering Graphics †	3
Semester Total	18

Third Semester

LLC Course	Credits
PHY 141 University Physics II †	4
BIO 100 Bio Science I	4
SPE 111 Intro to Speech Communication	3
MAT 151 C Program w/Engineering Appl †	3
PHY 239 Mechanics I †	3
Semester Total	17

Second Semester

LLC Course	Credits
ENG 121 Composition II	3
CHM 151 General Chemistry II †	4
MAT 242 Analytical Geom-Calc II †	4
PHY 140 University Physics I †	4
IAI Social/Behavioral Science	3
Semester Total	18

Fourth Semester

LLC Course	Credits
MAT 245 Differential Equations †	3
PHY 240 Mechanics II †	3
MAT 243 Analytical Geom-Calc III †	4
IAI Humanities	3
IAI Fine Arts	3
Semester Total	16

Total AA Degree Credits **	69
-----------------------------------	-----------

† Course applied to GU major.

Lake Land College and Greenville University
Articulation Agreement
Traditional
Bachelor of Science in Engineering



Lake Land Transfer Credit (Breakdown based on the AS.PENG degree)		
LLC AS Course Requirements (Credits in this section are reduced according to specific AA classes meeting major requirements delineated below.) #		Credit
	Communications	9
	Math (Met by major)	*x
	Physical & Life Science (CHM 150 applied to major)	4
	Humanities and Fine Arts	6
	Social Science	6
	Associated major or other electives not listed below**	0
	Credits in AA degree not used in major (Assuming 64 credits in AA Degree)	25

#See LLC catalog for specific requirements for AA and AS degrees

Greenville University Requirements for Transfer Students with an Associate of Arts or Associate of Science Degree		
GU Upper Division General Education Requirements		Credit
Christian Foundations (6 cr) (Nontransferable)		
THEO 310	Liberal Arts and Christian Thought (may use THEO 110 or LEAD 306)	3
UNIV 301	Science & Christianity	3
Upper Division Writing Intensive		
	ENGR 401	*x
Global Foundations		
	See catalog list	3
Capstone (Nontransferable)		
ENGR 401	Senior Design II	*x
	Total	9

*x met by dual purpose course

The left column represents courses taken at LLC to be transferred to GU and how they are applied to the GU Major requirements listed on the right.

LLC Transfer Courses applied to GU Major Courses			
CHM	150	General Chemistry I	4
CHM	151	General Chemistry II	4
MAT	151	C Program w/Engineering Appl	3
TEC	103	Engineering Graphics	3
PHY	239	Mechanics I	3
PHY	240	Mechanics II	3
MAT	241	Analytical Geom-Calc I	5
MAT	242	Analytical Geom-Calc II	4
MAT	243	Analytical Geom-Calc III	4
MAT	245	Differential Equations	3
PHY	140	University Physics I	4
PHY	141	University Physics II	4

Engineering Major Requirements		
CHEM 111	General Chemistry I	
CHEM 112	General Chemistry II (4 cr) <u>OR</u> BIOL 110 General Biology (4 cr)	
ENGR 101	Introduction to Engineering or UNIV101	3
ENGR 110	Introduction to Programming	
ENGR 230	Electrical Circuits	3
ENGR 240	Engineering Design & CAD	
ENGR 250	Statics	
ENGR 260	Dynamics	
ENGR 308	Engineering Thermodynamics	3
ENGR 332	Mechatronics	3
ENGR 340	Environment & Sustainability	3
ENGR 352	Engineering Project Management	2
ENGR 360	Engineering Ethics	2
ENGR 401	Senior Design I	2
ENGR 402	Senior Design II	3
MATH 115	Calculus I	
MATH 116	Calculus II	
MATH 217	Multivariable Calculus	
MATH 218	Differential Equations	
PHYS 200	University Physics I	
PHYS 210	University Physics II	
PHYS 220	University Physics III	4

cont's pg 2

