

ENGINEERING, ASSOCIATE OF SCIENCE IN ENGINEERING



If you do not see your transfer school, please follow the Plan of Study. (p.) For more information, contact an Admissions Advisor. Please speak to an advisor at San Jacinto College and the transfer institution to ensure this Transfer Plan is accurate and complete.

Engineering

Transfer Plans

• ANY UNIV IN STATE COMPACT, Engineering, BS Any University in State Compact Full Time

ANY UNIV IN STATE COMPACT, Engineering MAP

For college-ready students seeking a Engineering Science AS at San Jacinto College, transferring to ANY seeking a BS in ANY UNIV IN STATE COMPACT, Engineering.

Course	Title	Credits
First Year		
First Term		
MATH 2413	Calculus I	4
CHEM 1311 & CHEM 1111	General Chemistry I (lecture) and General Chemistry I (lab)	4
ENGR 1201	Introduction to Engineering	2
ENGL 1301	Composition I	3
HIST 1301	United States History I	3
Credits		16
Second Term		
MATH 2414	Calculus II	4
PHYS 2325 & PHYS 2125	University Physics I (lecture) and University Physics I (lab)	4
ENGL 1302 or ENGL 2311	Composition II or Technical and Business Writing	3
HIST 1302	United States History II	3
Choose one of the following:		3

ENGR 1304	Engineering Graphics I	
ENGR 2308	Engineering Economics	
ENGL 2311	Technical and Business Writing ¹	
ENGR 2301	Engineering Mechanics - Statics	
ENGR 2302	Engineering Mechanics - Dynamics	
Credits		17
Second Year		
First Term		
MATH 2415	Calculus III	4
PHYS 2326 & PHYS 2126	University Physics II (lecture) and University Physics II (lab)	4
ENGR 2304	Programming for Engineers	3
GOVT 2305	Federal Government (Federal Constitution and Topics)	3
Choose one of the 3 SCH options listed in First Year, Second Term. ²		3
Credits		17
Second Term		
MATH 2320	Differential Equations	3
MATH 2318	Linear Algebra	3
GOVT 2306	Texas Government (Texas Constitution and Topics)	3
Choose one of the following:		4
ENGR 2305 & ENGR 2105	Electrical Circuits I and Electrical Circuits I Laboratory	
CHEM 1312 & CHEM 1112	General Chemistry II (lecture) and General Chemistry II (lab)	
CHEM 2323 & CHEM 2123	Organic Chemistry I (lecture) and Organic Chemistry I (lab)	
Choose one of the 3 SCH options listed in the First Year, Second Term. ²		3
Credits		16
Total Credits		66

¹This course does not transfer to UHCL.

²Students may choose one of the following 3 SCH courses not taken previously: ENGR 1304 Engineering Graphics I; ENGR 2308 Engineering Economics; ENGL 2311 Technical and Business Writing; ENGR 2301 Engineering Mechanics - Statics; or ENGR 2302 Engineering Mechanics - Dynamics.

• ANY UNIV IN STATE COMPACT, Engineering, BS Any University in State Compact Part Time

ANY UNIV IN STATE COMPACT, Engineering MAP

For college-ready students seeking a Engineering Science AS at San Jacinto College, transferring to ANY seeking a BS in ANY UNIV IN STATE COMPACT, Engineering.

Course	Title	Credits
First Year		
First Term		
ENGR 1201	Introduction to Engineering	2

ENGL 1301	Composition I	3
HIST 1301	United States History I	3
Credits		8
Second Term		
MATH 2413	Calculus I	4
CHEM 1311 & CHEM 1111	General Chemistry I (lecture) and General Chemistry I (lab)	4
Credits		8
Second Year		
First Term		
MATH 2414	Calculus II	4
PHYS 2325 & PHYS 2125	University Physics I (lecture) and University Physics I (lab)	4
Credits		8
Second Term		
PHYS 2326 & PHYS 2126	University Physics II (lecture) and University Physics II (lab)	4
ENGL 1302 or ENGL 2311	Composition II ¹ or Technical and Business Writing	3
Credits		7
Third Year		
First Term		
MATH 2415	Calculus III	4
HIST 1302	United States History II	3
ENGR 2304	Programming for Engineers	3
Credits		10
Second Term		
GOVT 2305	Federal Government (Federal Constitution and Topics)	3
Choose one of the following 3 SCH options:		3
ENGR 1304	Engineering Graphics I	
ENGR 2308	Engineering Economics	
ENGL 2311	Technical and Business Writing ²	
ENGR 2301	Engineering Mechanics - Statics	
ENGR 2302	Engineering Mechanics - Dynamics	
Choose one of the 3 SCH options not previously taken from the list above.		3
Credits		9
Fourth Year		
First Term		
MATH 2320	Differential Equations	3
Select from 3 SCH course option in Third Year, Second Term. ³		3
Credits		6
Second Term		
GOVT 2306	Texas Government (Texas Constitution and Topics)	3
MATH 2318	Linear Algebra	3
Choose one of the following 4 SCH options:		4
ENGR 2305 & ENGR 2105	Electrical Circuits I and Electrical Circuits I Laboratory	
CHEM 1312 & CHEM 1112	General Chemistry II (lecture) and General Chemistry II (lab)	

CHEM 2323 & CHEM 2123	Organic Chemistry I (lecture) and Organic Chemistry I (lab)	
CHEM 2325 & CHEM 2125	Organic Chemistry II (lecture) and Organic Chemistry II (lab)	
GEOL 1303 & GEOL 1103	Physical Geology (lecture) and Physical Geology (lab)	
Credits		10
Total Credits		66

¹Make selection based on the receiving institution.

²Select based on intended major and transfer institution.

³Students may choose one of the following 3 SCH courses not taken previously: ENGR 1304 Engineering Graphics I; ENGR 2308 Engineering Economics; ENGL 2311 Technical and Business Writing; ENGR 2301 Engineering Mechanics - Statics; or ENGR 2302 Engineering Mechanics - Dynamics.

• Lamar, Electrical Engineering, BS Lamar University Full Time

Lamar, Electrical Engineering MAP

For college-ready students seeking a Engineering Science AS at San Jacinto College, transferring to Lamar seeking a BS in Lamar, Electrical Engineering.

Course	Title	Credits
First Year		
First Term		
MATH 2413	Calculus I	4
CHEM 1311 & CHEM 1111	General Chemistry I (lecture) and General Chemistry I (lab)	4
ENGR 1201	Introduction to Engineering	2
ENGL 1301	Composition I	3
HIST 1301	United States History I	3
Credits		16
Second Term		
MATH 2414	Calculus II	4
PHYS 2325 & PHYS 2125	University Physics I (lecture) and University Physics I (lab)	4
HIST 1302	United States History II	3
ENGL 2311	Technical and Business Writing	3
PHIL 2306	Introduction to Ethics	3
Credits		17
Second Year		
First Term		
MATH 2415	Calculus III	4
PHYS 2326 & PHYS 2126	University Physics II (lecture) and University Physics II (lab)	4
ECON 2301	Principles of Macroeconomics	3
GOVT 2305	Federal Government (Federal Constitution and Topics)	3
MATH 2318	Linear Algebra	3
Credits		17

Second Term

MATH 2320	Differential Equations	3
ENGR 2305 & ENGR 2105	Electrical Circuits I and Electrical Circuits I Laboratory	4
GOVT 2306	Texas Government (Texas Constitution and Topics)	3
ARTS 1301	Art Appreciation	3
ENGR 2308	Engineering Economics	3
Credits		16
Total Credits		66

• **Lamar, Electrical Engineering, BS**
Lamar University
Part Time

Lamar, Electrical Engineering MAP

For college-ready students seeking a Engineering Science AS at San Jacinto College, transferring to Lamar seeking a BS in Lamar, Electrical Engineering.

Course	Title	Credits
First Year		
First Term		
MATH 2413	Calculus I	4
ENGR 1201	Introduction to Engineering	2
ENGL 1301	Composition I	3
Credits		9
Second Term		
CHEM 1311 & CHEM 1111	General Chemistry I (lecture) and General Chemistry I (lab)	4
HIST 1301	United States History I	3
Credits		7
Second Year		
First Term		
MATH 2414	Calculus II	4
ENGL 2311	Technical and Business Writing	3
PHIL 2306	Introduction to Ethics	3
Credits		10
Second Term		
PHYS 2325 & PHYS 2125	University Physics I (lecture) and University Physics I (lab)	4
HIST 1302	United States History II	3
Credits		7
Third Year		
First Term		
PHYS 2326 & PHYS 2126	University Physics II (lecture) and University Physics II (lab)	4
MATH 2318	Linear Algebra	3
Credits		7
Second Term		
MATH 2415	Calculus III	4
ECON 2301	Principles of Macroeconomics	3

GOVT 2305	Federal Government (Federal Constitution and Topics)	3
Credits		10

Fourth Year**First Term**

MATH 2320	Differential Equations	3
GOVT 2306	Texas Government (Texas Constitution and Topics)	3
ARTS 1301	Art Appreciation	3
Credits		9

Second Term

ENGR 2305 & ENGR 2105	Electrical Circuits I and Electrical Circuits I Laboratory	4
ENGR 2308	Engineering Economics	3
Credits		7
Total Credits		66

No matching transfer programs found. Reset your selections and try again.