

# 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
<b>First Year</b>		
<b>First Term</b>		
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
<b>Credits</b>		<b>16</b>
<b>Second Term</b>		
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 <sup>1</sup>	
ENGR 2301	Engineering Mechanics - Statics	
ENGR 2302	Engineering Mechanics - Dynamics	
<b>Credits</b>		<b>17</b>
<b>Second Year</b>		
<b>First Term</b>		
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. <sup>2</sup>		3
<b>Credits</b>		<b>17</b>
<b>Second Term</b>		
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. <sup>2</sup>		3
<b>Credits</b>		<b>16</b>
<b>Total Credits</b>		<b>66</b>

This course does not transfer to UHCL. Students 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
<b>First Year</b>		
<b>First Term</b>		
ENGR 1201	Introduction to Engineering	2

ENGL 1301	Composition I	3
HIST 1301	United States History I	3
<b>Credits</b>		<b>8</b>
<b>Second Term</b>		
MATH 2413	Calculus I	4
CHEM 1311 & CHEM 1111	General Chemistry I (lecture) and General Chemistry I (lab)	4
<b>Credits</b>		<b>8</b>
<b>Second Year</b>		
<b>First Term</b>		
MATH 2414	Calculus II	4
PHYS 2325 & PHYS 2125	University Physics I (lecture) and University Physics I (lab)	4
<b>Credits</b>		<b>8</b>
<b>Second Term</b>		
PHYS 2326 & PHYS 2126	University Physics II (lecture) and University Physics II (lab)	4
ENGL 1302 or ENGL 2311	Composition II <sup>1</sup> or Technical and Business Writing	3
<b>Credits</b>		<b>7</b>
<b>Third Year</b>		
<b>First Term</b>		
MATH 2415	Calculus III	4
HIST 1302	United States History II	3
ENGR 2304	Programming for Engineers	3
<b>Credits</b>		<b>10</b>
<b>Second Term</b>		
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 <sup>2</sup>	
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
<b>Credits</b>		<b>9</b>
<b>Fourth Year</b>		
<b>First Term</b>		
MATH 2320	Differential Equations	3
Select from 3 SCH course option in Third Year, Second Term. <sup>3</sup>		3
<b>Credits</b>		<b>6</b>
<b>Second Term</b>		
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)	
<b>Credits</b>		<b>10</b>
<b>Total Credits</b>		<b>66</b>

<sup>1</sup>Make selection based on the receiving institution.

<sup>2</sup>Select based on intended major and transfer institution.

<sup>3</sup>Students 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
<b>First Year</b>		
<b>First Term</b>		
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
<b>Credits</b>		<b>16</b>
<b>Second Term</b>		
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
<b>Credits</b>		<b>17</b>
<b>Second Year</b>		
<b>First Term</b>		
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
<b>Credits</b>		<b>17</b>

**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
<b>Credits</b>		<b>16</b>
<b>Total Credits</b>		<b>66</b>

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

GOVT 2305	Federal Government (Federal Constitution and Topics)	3
<b>Credits</b>		<b>10</b>

**Fourth Year****First Term**

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

**Second Term**

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

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