



**Transfer Pathway: Alvin Community College  
AAS Process Tech to Lamar University BS  
Industrial Tech**



First Year - Freshman							
Fall Semester				Spring Semester			
ACC	Lamar	Course Name	Hrs	ACC	Lamar	Course Name	Hrs
ENGL 1301		English Comp I+	3	CTEC 1401		App Petroleum Tech (Physics)	4
PTAC 1302		Intro to Process Tech	3	MATH 1314		College Algebra+	3
PTAC 1308		Safety, Health, Environ	3	PTAC 1310		Process Tech I Equip	3
TECM 1303		Technical Calculations	3	PTAC 1332		Process Instrument	3
<b>Total</b>			<b>12</b>	<b>Total</b>			<b>13</b>
Summer Semester							
ACC	Lamar	Course Name	Hrs	ACC	Lamar	Course Name	Hrs
CA/LPC Core		Creative Arts or LPC Core	3	PTAC 2420		Proc Tech II Systems	4
PTAC 2314		Quality, Stat Process Cont & Econ	3				
<b>Total</b>			<b>6</b>	<b>Total</b>			<b>4</b>
Second Year - Sophomore							
Fall Semester				Spring Semester			
ACC	Lamar	Course Name	Hrs	ACC	Lamar	Course Name	Hrs
PTAC 2436		Process Instrument II	4	CTEC 2333 or PTAC 2386		Comp Studies in Chem Tech or Intrnshp	3
PTAC 2446		Process Trouble-shoot	4	PTAC 2438		Process Tech III Operations	4
CHEM 1411		General Chem I+	4	SBS Core		Soc & Behav Sci Core***	3
				SPCH 1315		Public Speaking+	3
<b>Total</b>			<b>12</b>	<b>Total</b>			<b>13</b>
Summer Semester							
ACC	Lamar	Course Name	Hrs	ACC	Lamar	Course Name	Hrs
<b>Total</b>			<b>0</b>	<b>Total</b>			<b>0</b>
Third Year - Junior							
Fall Semester				Spring Semester			
Lamar	Course Name		Hrs	Lamar	Course Name		Hrs
INEN 2301	Quant Methods		3	INEN 4301	Quality Control App		3
INEN 3300	Intro to IE		3	INEN 4316	Industrial & Product Safety		3
INEN 3330	Engineering Economy		3	INEN 4351	Production & Inventory Systems		3
HIST 1301	US History I		3	INEN 4369	Engineering Mgmt		3
POLS 2301	Political Science I		3	INEN 3360	Computer Tech		3
<b>Total</b>			<b>15</b>	<b>Total</b>			<b>15</b>
Summer Semester							
Lamar	Course Name		Hrs	Lamar	Course Name		Hrs
L & PS Core	Life & Physical Science Core		4	LIBR 1101	Intro to Research		1
<b>Total</b>			<b>4</b>	<b>Total</b>			<b>1</b>
Fourth Year - Senior							
Fall Semester				Spring Semester			
Lamar	Course Name		Hrs	Lamar	Course Name		Hrs
HIST 1302	US History II		3	Advd Elective	Approved Advanced Elective		3
Advd Elective	Approved Advanced Elective		3	Advd Elective	Approved Advanced Elective		3
Advd Elective	Approved Advanced Elective		3	Advd Elective	Approved Advanced Elective		3
Advd Elective	Approved Advanced Elective		3	Advd Elective	Approved Advanced Elective		3
INEN 4315	Industrial Mgmt		3	POLS 2302	Political Science II		3
<b>Total</b>			<b>15</b>	<b>Total</b>			<b>15</b>

**Notes:**

+Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection.

\*ARTS 1301/1303, MUSI 1310 (CA) or PHIL 2306 (LPC) preferred

\*\*ECON 2301, 2302, PSYC 2301 or SOCI 1301

Note: Students will need to take HIST 1301, 1302, GOVT 2305, 2306, Creative Arts or Language, Philosophy, & Culture, another lab science and fulfill the core. Please see an advisor to determine when best to take these courses.

**The LU BSIT program will accept academic or technical courses. ACE credit and MIL credit is also accepted.**