



**Transfer Pathway: Houston Community  
College AAS Manufacturing Engineering Tech  
to Lamar University BS Industrial Technology**



First Year - Freshman							
Fall Semester				Spring Semester			
HCC	Lamar	Course Name	Hrs	HCC	Lamar	Course Name	Hrs
EDUC 1300		Learning Framework	3	HYDR 1345		Hydraulics & Pneumatics	3
MCHN 1343		Machine Shop Math	3	ELPT 1311		Basic Electrical Theory	3
MCHN 1302		Print Read for Machining Trades	3	INMT 1372		Quality & Assessment	3
ENTC 1347		Safety & Ergonomics	3	INMT 1345		Computer Numerical Controls	3
MCHN 1338		Basic Machine Shop I	3	MCHN 2331		Operation of CNC Turning Centers	3
<b>Total</b>			<b>15</b>	<b>Total</b>			<b>15</b>
Summer Semester							
HCC	Lamar	Course Name	Hrs	HCC	Lamar	Course Name	Hrs
<b>Total</b>			<b>0</b>	<b>Total</b>			<b>0</b>
Second Year - Sophomore							
Fall Semester				Spring Semester			
HCC	Lamar	Course Name	Hrs	HCC	Lamar	Course Name	Hrs
INMT 1343		CAD/CAM	3	SBS Core		SBS Core	3
INMT 1305		Intro to Industrial Maintenance	3	ARTS 2341 or Huma/FA core		Metals or Huma/FA core	3
INMT 1317		Industrial Automation	3	ARTS 1316		Drawing I	3
INMT 1370		Lean Manufacturing - Manufacturing Engineering	3	HUMA 1301 or FA Core		HUMA 1301 or FA Core	3
INMT 1319		Manufacturing Process	3	Math or Science Core		Math or Science Core	3
<b>Total</b>			<b>15</b>	<b>Total</b>			<b>15</b>
Summer Semester at HCC or LU							
HCC	Lamar	Course Name	Hrs	HCC	Lamar	Course Name	Hrs
COMM Core		COMM Core	3	COMM Core		COMM Core	3
<b>Total</b>			<b>3</b>	<b>Total</b>			<b>3</b>
Third Year - Junior							
Fall Semester				Spring Semester			
Lamar	Course Name	Hrs	Lamar	Course Name	Hrs		
INEN 2301	Quantitative Methods	3	INEN 4301	Quality Control Applications	3		
INEN 3300	Intro to IE	3	INEN 4316	Industrial & Product Safety	3		
INEN 3330	Engineering Economy	3	INEN 4351	Product & Inventory Systems	3		
HIST 1301	US History I	3	INEN 4369	Engineering Management	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		
LPC Core	LPC Core	3	L & PS Core	Life & Physical Science Core	4		
L & PS Core	Life & Physical Science Core	4	MATH 1314*	College Algebra *(if not taken)	3		
<b>Total</b>		<b>7</b>	<b>Total</b>		<b>7</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 Management	3	POLS 2302	Political Science II	3		
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>		

Notes: