

**2+2 Pathway**  
**LC's AAS in Manufacturing Engineering to BC's Bachelor's in Industrial Management**

Course	Name	Credits	Completed	Need to Take
PTAC1302	<i>Introduction to Process Technology</i>	3	3	
PTAC1410	<i>Process Technology I: Equipment</i>	4	4	
PTAC1332	<i>Process Instrumentation I</i>	3	3	
PTAC1308	<i>Safety, Health, and Environment I</i>	3	3	
PTAC2420	<i>Process Technology II: Systems</i>	4	4	
PTAC2314	<i>Principles of Quality</i>	3	3	
PTAC2346	<i>Process Troubleshooting</i>	3	3	
CTEC2250	<i>Unit Operations II</i>	2	2	
MATH1314 (Core Code 020)	<i>College Algebra</i>	3	3	
ENGL1301 (Core Code 010), ENGL1302 (Core Code 090), or ENGL2311 (Baccalaureate prerequisite)	Will be completed.	3	3	
SPCH/COMM (Core Code 010)	Will be completed.	3	3	
PHYS1401 (Core Code 030)	<i>College Physics I: Mechanics and Heat</i>	4	4	
CHEM1411 (Core Code 030)	<i>General Chemistry I</i>	4	4	
CTEC2445	<i>Unit Operations</i>	4	4	
PTAC2438	<i>Process Technology III: Operations</i>	4	4	
ENGT2310	<i>Introduction to Manufacturing Processes</i>	3	3	
KINE1100-1164	Depends on course chosen.	1	1	

**54** Credits in possible transfer from LC to BC's Bachelor's in Industrial Management Program

<sup>1</sup> Lang, Philosophy, & Culture (Core Code 040)	See notes following this table.	3		3
<sup>2</sup> History I: American History I (Core Code 060)	See notes following this table.	3		3
<sup>3</sup> History II: American History II	See notes following this table.	3		3
<sup>4</sup> Govt I: American Government (Core Code 070)				
<sup>5</sup> Govt II: Texas Government	See notes following this table.	3		3
<sup>6</sup> ENGL1301 (Core Code 010)	See notes following this table.	3		3
<sup>7</sup> ENGL1302 (Core Code 090)	See notes following this table.	3		3
<sup>8</sup> PSYC1300 (Core Code 0900)	See notes following this table.	3		3
<sup>9</sup> Business Correspondence/Comm	See notes following this table.	3		3
<sup>10</sup> Computer Applications	See notes following this table.	3		3
<sup>11</sup> Creative Arts (Core Code 050)	See notes following this table.	3		3
<sup>12</sup> Social & Behavioral Science (Core Code 080)	See notes following this table.	3		3

**27** Lower Division Course needed to complete Texas Core Curricular Requirements

TMGT3303	<i>Comm. and Conflict Resolution for Tech. Managers</i>	3		3
TMGT3305	<i>Management and Organizational Behavior</i>	3		3
TMGT3307	<i>Operations Management</i>	3		3
TMGT3311	<i>Information Technology in Enterprise Management</i>	3		3
TMGT3325	<i>Legal Issues, Ethics and Corporate Responsibility</i>	3		3
TMGT3340	<i>Quality Assurance, Management and Improvement</i>	3		3
TMGT3350	<i>Applied Technical Statistics</i>	3		3
TMGT3354	<i>Leadership</i>	3		3
TMGT4301	<i>Industrial Cost Estimating and Control</i>	3		3
TMGT4304	<i>Decision Analysis and Risk Management</i>	3		3
TMGT4396 or TMGT4398	<i>Managing Tech. Projects or Strategic Management</i>	3		3

**33** Upper Division Courses needed to complete Degree Requirements

**Notes:**

<sup>1</sup>To satisfy the Lang, Philosophy, & Culture requirement at BC, the following courses may be taken at LC: ENGL2322, ENGL2323, ENGL2326, ENGL2327, ENGL2328, ENGL2331, ENGL2322, ENGL2381, ENGL2382; HUMA1301, HUMA1305, HUMA2319; PHIL1301, PHIL1304; SPAN2311, SPAN2312, SPAN2313, or SPAN2315. At BC, the following courses may be taken to meet this core requirement: HUMA1301, PHIL1301, PHIL2306, ENGL2322, ENGL2323, ENGL2327, ENGL2328, ENGL2331, ENGL2341, or ENGL2351.

<sup>2, 3</sup>To satisfy the History requirement at BC, the following courses may be taken at LC: HIST1301, HIST1302, or HIST2301. At BC, the following courses will need to be taken to satisfy the History requirement: HIST1301 and HIST1302.

<sup>4</sup>To satisfy GOVT2305, this course can be taken at

LC or BC. <sup>5</sup>To satisfy GOVT2306, this course can be

taken at LC or BC. <sup>6</sup>To satisfy ENGL1301, this

course can be taken at LC or BC. <sup>7</sup>To satisfy

ENGL1302, this course can be taken at LC or BC.

<sup>8</sup>To satisfy PSYC1300, the following courses may be taken at LC: BCIS1305 (unless used to satisfy one of the two baccalaureate degree prerequisites), EDU1200, KINE1164, KINE1304, or KINE1306. At BC, the following courses may be taken to meet this core requirement: PSYC1300, PSYC2301, PSYC2314, SOC1301, SPCH1315, SPCH1318, SPCH1321, SPCH1311, MATH1314, MATH1324, MATH1325, MATH1332, or MATH1342.

<sup>9</sup>To satisfy the lower division requirement in business writing and communication at BC, the following courses may be taken at LC: POFT2312. At BC, the following course may be taken to meet this core requirement: POFT2312 or ENGL2311.

<sup>10</sup>To satisfy the lower division requirement in business computer applications at BC, the following course may be taken at LC: BCIS1305 or POFI1441. At BC, the following course may be taken to meet this core requirement: POFI1301 or BCIS1405.

<sup>11</sup>To satisfy the Creative Arts requirement of BC, the following courses may be taken at LC: ARCH1311, ARTS1301, ARTS1303, ARTS1304; DRAM1310, DRAM2366, MUSI1306 or MUSI1310. At BC, the following courses may be taken to meet this core requirement: ARTS1301, ARTS1303, ARTS1304, DRAM1310, MUSI1306, or MUSI1307.

<sup>12</sup>To satisfy the Social & Behavioral Science requirement at BC, the following course may be taken at LC: ECON2301, ECON2302, GEOG1303, PSYC2301, or SOCI1301. At BC, the following courses may be taken to meet this core requirement: PSYC2301, PSYC2314, PSYC2316, SOCI1301, SOCI1306, SOCI2301, ECON2301, GEOG1302, or GEOG1303.