

2+2 Pathway
LC's AAS in Industrial Systems Technician to BC's Bachelor's in Industrial Management

Course	Name	Credits	Completed	Need to Take
MCHN1302	<i>Print Reading for Machining Trades</i>	3	3	
MCHN1438	<i>Basic Machine Shop I</i>	4	4	
MCHN1425	<i>Millwright I</i>	4	4	
MCHN1429	<i>Millwright II</i>	4	4	
MCHN1454	<i>Intermediate Machining II</i>	4	4	
MCHN2403	<i>Fundamentals of Computer Numerical Controlled (CNC) Machine Controls</i>	4	4	
WLDG1323 OR PFPB1350 OR MCHN2381	<i>Welding Safety, Tools, and Equipment OR Plumbing and Pipefitting Equipment and Safety OR Cooperative Education - Machine Tool Technology/Machinist</i>	3	3	
MCHN2405	<i>Millwright III</i>	4	4	
MCHN2407	<i>Millwright IV</i>	4	4	
MCHN2412	<i>Millwright V</i>	4	4	
ENGL1301, ENGL1302, or ENGL2311 (Core Code 010)	Will be completed.	3	3	
COMM/SPCH (Core Code 010)	Depends on course taken.	3	3	
Life & Physical Sciences (Core Code 030) OR Mathematics (Core Code 020)	Will be completed.	3 - 4	3 - 4	
Social & Behavioral Science (Core Code 080) OR History (Core Code 060) OR Government (Core Code 070)	Will be completed.	3	3	
Creative Arts (Core Code 050) OR Language, Philosophy, or Culture (Core Code 040)	Will be completed	3	3	
52 Credits in possible transfer from LC to BC's Bachelor's in Industrial Management Program				
¹ Life & Physical Science w/ Lab (Core Code 030)	See notes following this table.	4		4
² Life & Physical Science w/ Lab	See notes following this table.	4		4
³ Lang, Philosophy, & Culture (Core Code 040)	See notes following this table.	3		3
⁴ History I: American History I (Core Code 060)	See notes following this table.	3		3
⁵ History II: American History II	See notes following this table.	3		3
⁶ Govt I: American Government (Core Code 070)	See notes following this table.	3		3
⁷ Govt II: Texas Government	See notes following this table.	3		3
⁸ ENGL1302 (Core Code 090)	See notes following this table.	3		3
⁹ PSYC1300 (Core Code 090)	See notes following this table.	3		3
¹⁰ Business Correspondence/Comm	See notes following this table.	3		3
¹¹ Computer Applications	See notes following this table.	3		3
¹² Social & Behavioral Science (080)	See notes following this table.	3		3
¹³ Creative Arts (Core Code 050)	See notes following this table.	3		3
¹⁴ Mathematics (Core Code 020)	See notes following this table.	3		3
29 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				
120 credits needed to earn the Bachelor's in Industrial Management				

Notes:

^{1, 2}To satisfy the Life & Physical Science w/ Lab requirement at BC, the following courses may be taken at LC: BIOL1308, BIOL1309, BIOL1322, BIOL1406, BIOL1407, BIOL1408, BIOL1409, BIOL1411, BIOL1413, BIOL2401, BIOL2402, BIOL2406, BIOL2416, BIOL2421; CHEM1405, CHEM1411, CHEM1412, CHEM2423, CHEM2425; ENVR1401, ENVR1402; GEOL1347, GEOL1403, GEOL1404, GEOL1405, GEOL1447; PHYS1317, PHYS1401, PHYS1402, PHYS1403, PHYS1404, PHYS1405, PHYS1407, PHYS1415, PHYS1417, PHYS2425, or PHYS2426. At BC, the following course may be taken to meet this core requirement: PHYS1301/1101, PHYS1302/1102, BIOL1306/1106, BIO1307/1107, ENVR1301/1101, ENVR1302/1102, BIOL2320/2120, CHEM1311/1111, or CHEM1312/1112.

³To 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.

^{4, 5}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.

⁶To satisfy GOVT2305, this course can be taken at

LC or BC. ⁷To satisfy GOVT2306, this course can be

taken at LC or BC. ⁸To satisfy ENGL1302, this course

can be taken at LC or BC.

⁹To 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.

¹⁰To 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.

¹¹To 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.

¹²To 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.

¹³To 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.

¹⁴To satisfy the Mathematic requirement at BC, the following courses may be taken at LC: MATH1314, MATH1316, MATH1324, MATH1332, MATH1342, MATH2412, or MATH2413. At BC, the following courses may be taken to meet this course requirement: MATH1314, MATH1414, MATH1316, MATH1324, MATH1325, MATH1332, MATH1342, MATH1350, MATH2412, MATH2413, or MATH2414.