

**2+2 Pathway**  
**LC's AAS in Analytical Instrumentation Technology to BC's Bachelor's in Industrial Management**

Course	Name	Credits	Completed	Need to Take
CTEC1401	<i>Applied Petrochemical Technology</i>	4	4	
INTC1374	<i>Analytical Instrumentation II</i>	3	3	
INTC1312	<i>Instrumentation and Safety</i>	3	3	
INTC1456	<i>Instrumentation Calibration</i>	4	4	
INTC1441	<i>Principles of Automatic Control</i>	4	4	
ITCC1414	<i>Introduction to Networks</i>	4	4	
INTC1348	<i>Analytical Instrumentation</i>	3	3	
EPCT1349	<i>Environmental Regulation Interpretation and Applications</i>	3	3	
INTC2372	<i>Sample Systems</i>	3	3	
INTC2371	<i>Physical Properties Analyzers</i>	3	3	
IEIR1302	<i>Introduction to Direct Current Circuits</i>	3	3	
ENGL1301 (Core Code 010)	Will be completed.	3	3	
SPCH1318 (Core Code 010)	<i>Interpersonal Communications</i>	3	3	
Creative Arts (Core Code 050) OR Language, Philosophy, or Culture (Core Code 040)	Will complete this.	3	3	
Social & behavioral Science (Core Code 080)	Will complete this.	3	3	
CHEM1405 (Core Code 030)	<i>Introductory Chemistry</i>	4	4	

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

<sup>1</sup> Life & Physical Science w/ Lab (Core Code 030)	See notes following this table.	4		4
<sup>2</sup> Lang, Philosophy, & Culture (Core Code 040)	See notes following this table.	3		3
<sup>3</sup> History I: American History I (Core Code 060)	See notes following this table.	3		3
<sup>4</sup> History II: American History II	See notes following this table.	3		3
<sup>5</sup> Govt I: American Government (Core Code 070)	See notes following this table.	3		3
<sup>6</sup> Govt II: Texas Government	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 090)	See notes following this table.	3		3
<sup>9</sup> Creative Arts (Core Code 050)	See notes following this table.	3		3
<sup>10</sup> Business Correspondence/Comm	See notes following this table.	3		3
<sup>11</sup> Computer Applications	See notes following this table.	3		3
<sup>12</sup> 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:**

<sup>1</sup>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.

<sup>2</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>3, 4</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>5</sup>To satisfy GOVT2305, this course can be taken at

LC or BC. <sup>6</sup>To satisfy GOVT2306, 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 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>10</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>11</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>12</sup>To 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.