



ARTICULATION GUIDE
Lansing Community College- Heat & Air Conditioning Technology
LTU – Bachelor of Science in Engineering Technology
 Based on LCC 2007-08 Catalog and LTU 2005-07 Catalog

Lansing Community College Courses:

Transfer to LTU as:

Degree Requirements (55 credits)	
ADMN 275 Diversity in Business.....3	Technical Specialty.....3
AEET 102 Prin. Of Alternative/Renewable Energies.....3	Technical Specialty.....3
BLDT 121 Residential Framing..... 4	Technical Specialty..... 4
HVAC 100 Fundamentals of HVAC.....3	Technical Specialty.....3
HVAC 105 Sheet Metal Fabrication & Installation.....2	Technical Specialty.....2
HVAC 110 Applied Electricity 1.....3	Technical Specialty.....3
HVAC 111 Applied Electricity 2.....3	Technical Specialty.....3
HVAC 120 Heating 1.....3	Technical Specialty.....3
HVAC 130 Air Conditioning 1.....3	Technical Specialty.....3
HVAC 220 Heating II.....3	Technical Elective.....3
HVAC 221 Introduction to Hydronics.....3	Technical Elective.....3
HVAC 230 Air Conditioning 2.....3	General Elective.....3
HVAC 240 Refrigeration 1.....3	General Elective.....3
HVAC 241 Refrigeration 2.....3	General Elective.....3
MATH 119 Investigations with Math*.....3	MCS 1113 Tech Math 1.....3
PHYS 120 The Art of Physics**.....4	PHY 1063 + 1100 Tech Physics 1 + Lab.....3
SPCH 110 Oral Communication in the Workplace.....3	
WRIT 124 Technical Writing.....3	COM 2103 Tech. & Prof. Com.....3
<p>This guide may not include all of the courses required for an LCC Associates Degree. Refer to the AAS Heat and Air Conditioning/Building Maintenance Curriculum Guide (0836) for complete degree requirements.</p>	
Additional Coursework (50 credits)	
MATH 121 College Algebra (If MATH 119 not taken).....4	MCS 1113 Tech Math 1.....3
MATH 122 College Algebra & Trigonometry.....3	MCS 1123 Tech Math 2.....3
MATH 141 Calculus w/ Applications*.....3	MCS 2313 Tech Calculus.....3
PHYS 221 Introductory Physics 1 (if PHYS 120 not taken)... 4	PHY 1063 + 1100 Tech Physics 1 + Lab.....3
PHYS 222 Introductory Physics 2.....4	PHY 1083 + 1101 Tech Physics 2 + Lab.....4
WRIT 121 Composition 1.....4	COM 1103 English Composition.....3
Select Two Humanities Courses**.....6	LLT 1213 + 1223 World Masterpieces 1 + 2.....6
Select Two Social Science Courses**.....6	SSC 2413 + 2423 Foundations + Development/ Amer. Exp...6
ECON 201 or 202 Principles of Economics- Micro/Macro... 4	SSC 2303 Basic Economics.....3
MGMT 223 Developing Supervisory Skills..... 3	MGT 2203 Management & Supervision..... 3
ELTE 121 Electrical Mathematics.....5	TEE 3103 DC/AC Circuits.....3
METM 100 Manufacturing Processes.....4	TIE 2063 Manufacturing Processes.....3
<p>*- Students are recommended to take the MATH 121 and 122 sequence, in order to easily transition into the MATH 141 course **Please refer to MACRAO guidelines or transfer guide sheet to find transferable courses for Humanities and Social Science courses. ***Students are recommended to take the PHYS 221 and 222 sequence to better prepare themselves for the BSET program.</p>	
NOTE: See an LCC counselor for transfer information	



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	<p><u>Completion of the BSET Degree at LTU</u></p> <p>Technology Core (20 credits)</p> <p>HRM 4013 Employee Management Relations3 OPM 3113 Operations Management.....3 TIE 2163 Engineering Economics.....3 TIE 4115 Senior Project.....5 TME 4103 Engineering Materials 2.....3 TME 2053 or TME 3113.....3</p> <p>Remaining Arts & Sciences Courses (12 credits)</p> <p>MCS 1023 Tech Computer Applications3 MCS 2023 Statistical Methods.....3 MCS 2323 Applied Diff. Equations.....3 LLT/SSC/PSY Jr./Sr. Elective.....3</p> <p>COM 3000- Writing Proficiency Exam must be taken during first semester at LTU.</p> <p>COM 1001 University Seminar Excused</p>
	<p>Credits Transferred to LTU:.....93</p> <p>Minimum Credits at LTU: 32</p> <p>**Minimum Credits to Graduate:125**</p>