



**ARTICULATION GUIDE**

**Lansing Community College- Energy Management 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:**

<b>Degree Requirements</b>	<b>( 64 credits)</b>
ADMN 275 Diversity in Business.....3 AEET 102 Prin. of Alternative/Renewable Energy .....3 AEET 215 Geothermal Technology.....3 AEET 216 Solar Energy Technologies .....3 AEET 218 Fuel Cell & Hydrogen Technologies.....3 AEET 250 Alternative Energy Analysis 1 .....3 BLDT 103 Structural Blueprint Reading .....4 HVAC 100 Fundamentals of HVAC.....3 HVAC 101 HVAC/R Piping.....2 HVAC 105 Sheet Metal Fabrication & Installation .....2 HVAC 110 Applied Electricity 1 .....3 HVAC 111 Applied Electricity 2 .....3 HVAC 120 Heating 1 .....3 HVAC 130 Air Conditioning 1 .....3 HVAC 201 Mechanical Code.....4 HVAC 231 Heat Pump .....3 HVAC 251 Fundamentals of Direct Digital Controls .....3 MATH 119 Investigations with Math* .....3 PHYS 120 The Art of Physics** .....4 SPCH 110 Oral Communication in the Workplace .....3 WRIT 124 Technical Writing.....3 This guide may not include all of the courses required for an LCC Associates Degree. Refer to the AAS Energy Management Technology Curriculum Guide (1293) for complete degree requirements.	Technical Specialty ..... 3 Technical Specialty ..... 3 Technical Specialty ..... 3 Technical Specialty ..... 3 Technical Specialty ..... 3 Technical Specialty ..... 3 Technical Specialty ..... 4 Technical Specialty ..... 3 Technical Specialty ..... 2 Technical Specialty ..... 2 Technical Elective ..... 3 Technical Elective ..... 1 General Elective ..... 3 General Elective ..... 3 General Elective ..... 3 MCS 1123 Tech Math 2.....3 PHY 1063 + 1100 Tech Physics 1 + Lab.....3 COM 2103 Tech. & Prof. Com.....3
<b>Additional Coursework</b>	<b>(50 credits)</b>
MATH 121 College Algebra (If MATH 119 not taken)..... 4 MATH 122 College Algebra & Trigonometry .....3 MATH 141 Calculus w/ Applications* .....3 PHYS 221 Introductory Physics 1(if PHYS 120 not taken).....4 PHYS 222 Introductory Physics 2 .....4 WRIT 121 Composition 1 .....4 Select Two Humanities Courses** .....6 Select Two Social Science Courses** .....6 ECON 201 or 202 Principles of Economics- Micro/Macro .....4 MGMT 223 Developing Supervisory Skills .....3 ELTE 121 Electrical Circuit Mathematics .....5 METM 100 Manufacturing Processes .....4 *- 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.	MCS 1113 Tech Math 1 .....3 MCS 1123 Tech Math 2 .....3 MCS 2313 Tech Calculus .....3 PHY 1063 + 1100 Tech Physics 1 + Lab .....3 PHY 1083 + 1101 Tech Physics 2 + Lab .....4 COM 1103 English Composition .....3 LLT 1213 + 1223 World Masterpieces 1 + 2 .....6 SSC 2413 + 2423 Foundations + Development/ Amer. Exp...6 SSC 2303 Basic Economics .....3 MGT 2203 Management & Supervision .....3 TEE 3103 DC/AC Circuits .....3 TIE 2063 Manufacturing Processes .....3
<p><b>NOTE: See an LCC counselor for transfer information</b></p>	



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	<p><b><u>Completion of the BSET Degree at LTU</u></b></p> <p><b>Technology ..... (20 credits)</b>          HRM 4013 Employee Management Relations .....3          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><b>Remaining Arts &amp; Sciences Courses ..... (12 credits)</b>          MCS 1023 Tech Computer Applications .....3          MCS 2023 Statistical Methods .....3          MCS 2323 Applied Diff. Equations .....3          LLT/SSC/PSY Jr./Sr. Elective .....3</p> <p><b>COM 3000- Writing Proficiency Exam must be taken during first semester at LTU.</b></p> <p><b>COM 1001 University Seminar Excused</b></p>
	<p><b>Credits Transferred to LTU:..... 93</b></p> <p><b>Minimum Credits at LTU: ..... 32</b></p> <p><b>**Minimum Credits to Graduate:125**</b></p>