



**LAWRENCE TECHNOLOGICAL UNIVERSITY  
ARTICULATION GUIDE  
North Central Michigan College – Approved Coursework  
LTU – Bachelor of Science in Information Technology  
Based on NCMC 2007-08 Catalog and LTU 2005-07 Catalog**

*Revised 2/17/09 T. Goodman*

**North Central Michigan College Courses:**

**Transfer to LTU as:**

<b>Degree Requirements</b>	
<p>COM 170 Interpersonal Communications.....3            ENG 111 English Composition.....3            ENG 112 Eng. Composition.....3            CIS 215 Database Design &amp; Management.....3            CIS 115 C++ Programming 1.....3            MTH 123 Trigonometry .....4            STAT 200 Statistics .....3            Select two of the following:            ART 105, 106, ENG 130, 210*, 213, 214, 215, 220*, 221,            222, 231, 232, 241, 242, 244, 250, 251, 252, MUS 120, PHL            101             Select two of the following:            HST 131, 132, 220*, 221*, 231*, 232*, PLS 141, 200, SOC            171, PSY 161   <b>Natural Science</b>            Select any two courses from the following courses:            BIO 101, BIO 151, BIO 152, CEM 101, CEM 102, CEM 121,            CEM 122, ESC 101, ESC 121, ESC 122, ESC 150, ESC 201,            PHY 101, PHY 210, PHY 211, PHY 230, PHY 231             *-Courses that will apply towards LTU literature or social            science credit. Please check with NCMC counselors to see            which courses will apply towards a NCMC associates degree.</p>	<p>General Elective.....3            COM 1103 English Composition.....3            COM 2103 Tech. &amp; Prof. Com.....3            MCS 1514 Computer Science 1.....4            MCS 2514 Computer Science 2.....4            MCS 1214 Introduction to Mathematical Analysis 1.....4            MCS 2113 Statistics 1 .....3             LLT 1213 World Masterpieces 1.....3            LLT 1223 World Masterpieces 2.....3             SSC 2413 Foundations of the American Exp.....3            SSC 2423 Development of the American Exp.....3             Natural Science Elective Courses.....6            Natural Science Elective Lab.....1   <b>Sub Total .....43</b></p>
<b>CIS &amp; IT Coursework</b>	
<p>Select 32 credits from the following courses to complete            75 credit hours that will transfer to LTU: CAP 135, CIS            100, CIS 104, CIS 105, CIS 120, CIS 121, CIS 140, CIS            145, CIS 205, CIS 220, CIS 225, CIS 240, IT 102, IT 101,            IT 102, IT 112, IT 122, IT 130, IT 141, IT 150, IT 160, IT            221, IT 270</p>	<p>CIS &amp; IT Concentration Credit.....32</p>

**NOTE: See an NCMC counselor for transfer information.**



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**Transfer to LTU as:**

	<p><b>Remaining Coursework from LTU ONLINE:</b></p> <p><b><u>Information Technology Core: (30 Credits)</u></b></p> <p>INT 3023 IT Inaugural.....3          INT 3103 IT Management.....3          INT 3203 Tech. Infrastructure.....3          INT 3503 PM with IT Environment.....3          INT 3603 eBusiness Strategies.....3          INT 3803 Database Design &amp; Implementation.....3          INT 4013 Telecommunication/ Networks.....3          INT 4023 Exploring IT Security.....3          INT 4203 Systems Analysis.....3          INT 4303 Physical Design &amp; Implementation.....3</p> <p><b><u>Other Requirements (15 credits)</u></b></p> <p>Three ACC/MKT/MGT Elective Courses*.....9          MCS Jr./Sr. Elective.....3          LLT/SSC/PSY Jr./Sr. Elective.....3          *- Depending on student's GPA, the courses can be taken from the graduate management program.</p>
	<p><b>Maximum Transferable NCMC Credits ..... 75</b></p> <p><b>Minimum Credits at LTU: ..... 45</b></p> <p><b>**Minimum Credits to Graduate 120**</b></p> <p>Students must also pass the Writing Proficiency Exam and take the ICCP Exam to complete the BSIT graduation requirements.</p>

**Professional Certification Option (9 Credit Hours Optional)**

Students can complete and become certified in an industry certification of their choice. The following list represents the most desirable in the field:

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| <ol style="list-style-type: none"> <li>1. Novell Certified Network Engineer</li> <li>2. Microsoft Certified Systems Engineer</li> <li>3. Microsoft Certified Solution Developer</li> <li>4. Microsoft Certified Database Administrator</li> <li>5. Microsoft Certified Systems Administrator</li> <li>6. Microsoft Certified Application Developer</li> <li>7. CompTIA A+, Network+, IT Project+, and Linux+ (Pick three)</li> </ol> | <ol style="list-style-type: none"> <li>8. CompTIA Master CIW Enterprise Developer</li> <li>9. CompTIA Master CIW Certification</li> <li>10. Cisco Certified Network Professional</li> <li>11. Cisco Certified Professional</li> <li>12. Oracle Certified Professional</li> <li>13. Security Certified Program Network Professional</li> </ol> <p><i>Additional certification tracks will be evaluated at students' request.</i></p> |
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Inquiries about the program can be forwarded to:

<p><b><i>NCMC UC- Petoskey Contact Information:</i></b>          Teri Goodman          Manager, Northern Michigan Education Centers          231-995-1725 Goodman@ltu.edu</p>	<p><b><i>BSIT Program Contact Information:</i></b>          Richard G. Bush, Ph. D.          Director, Undergraduate Management Programs          248-204-3078 Bush@ltu.edu</p>
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