

Lake Superior State University—Transfer Guide

North Central Michigan College

Transfer Major: Bachelor of Science Degree Computer Science

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North Central Michigan College	LSSU Equivalency	LSSU Bachelor of Science Degree Computer Science
MACRAO Certification 33 (General Education Requirements) CIS 100 Intro Computer 3 CIS 110 Database/Access 3 CIS 105 Visual Basic I 3 CIS 115 C++ Programming I 3 CIS 205 C++ Programming II 3 MTH 119 College Algebra 3 MTH 123 Trigonometry 3 B211 Accounting Principles I 4 B212 Accounting Principles II 4 B161 Intro Business 3 IT 100 Networking Essentials (1.5) and IT 110 Implementing MS NW (1.5) 3	MACRAO Certification 33 (General Education Requirements) CS 103 Survey of Computer Science 3 CS 211 Database Applications 3 CS 105 Intro to Computer Programming 3 CS 121 Prin Programming 3 CS Electives 3 MA 111 College Algebra 3 MA 108 Trig (1) and MA Elective (2) 3 AC 132 Prin of Accounting I 4 AC 133 Prin of Accounting II 4 BA 121 Intro Business 3 CS 221 Computer Networks 3	Courses to Complete Degree: CS 201 Data Structures and Algorithms 3 CS 290 Ind Study in Computer Science 3 CS 312 File/Database Mgmt 3 CS 315 Computer Org/Architecture 3 CS 321 Computer Graphics 3 CS 333 Systems Programming 3 CS 334 Operating Systems Concepts 3 CS 341 Discrete Structures Comp Sci 4 CS 342 Adv Programming Techniques 3 CS 418 Software Engineering and CS 419 Senior Projects in CS or CS 428 Comp Sci Coop Ed I and CS 429 Comp Sci Coop Ed II or CS 438 Comp Sci Res Project I and CS 439 Comp Sci Res Project II MA 140 Precalculus Mathematics 5 MA 112 Calculus for Bus/Life Sci or MA 151 Calculus I 4 MA 207 Prin Statistical Methods 3 Electives 10
TOTAL NCMC CREDITS 68	TOTAL LSSU TRANSFER 68	TOTAL LSSU CREDITS 56

APPROVED BY:

 Timothy Dykstra, Dean of Instruction (Date)
 North Central Michigan College

 Tom Boger, Chair, Math/Computer Science (Date)
 Lake Superior State University

Students must have MACRAO certification from North Central Michigan College for agreement to be valid. Students should work with their community college transfer counselor to verify MACRAO requirements.