

**LAWRENCE TECHNOLOGICAL UNIVERSITY
ARTICULATION GUIDE**

**Oakland Community College – Computer Information Systems
LTU – Bachelor of Science in Information Technology
Based on OCC 2005-06 Catalog and LTU 2005-07 Catalog**

Oakland Community College Courses:

Transfer to LTU as:

Degree Requirements	
Core Requirements	
CIS 1100 Fundamentals of Information Systems 4	
CIS 1200 Intro to Database Systems 4	INT Elective Credit 20
CIS 1300 Networking Concepts 4	
CIS 1400 Intro to Web Systems 4	
CIS 1500 Intro to Software Engineering 4	
Required Supportive Courses	
ACC 2510 Principles of Accounting I 4	ACC 2013 Accounting Principles I 3
BUS 1100 Intro to Business 4	MGT 1212 Business Issues & Practices 2
ENG 1510 English Composition I 3	COM 1103 English Composition 3
MAT 1150 Intermediate Algebra 4	
Or MAT 1540 College Algebra (preferred) 4	MCS 1214 Math Analysis 0
Mat 1580 Statistics 4	MCS 2113 Statistics I 3
SPE 1290 Interpersonal Communications 3	Elective 3
CIS Options	
Students must complete one of the options listed below: 22-24 credits	
General Education Requirements	
Fine Arts/Humanities 3	
Select one of the following: ART 1560, 1700, 2560, 2600, 2620, ENG 1710, 1720, 2510, 2520, 2530, 2540, 2550, 2560, 2750, 2760, 2800, 2820, FSH 1500, HUM 1510, 1520, 2720, 2900, MUS 1540, 1550, 1560, 1585, 1590, 1670, THE 1561, 1800	LLT 1213 World Masterpieces I 3
Physical Education....(see OCC catalog) 1	PER does not transfer to LTU
POL 1510 American Government 3	SSC 2413 Foundations/ Am. Exp 3
Social Science 3	SSC 2423 Development/ Am. Exp 3
Select one of the following: ANT 1540, GEO 1520, HIS 1510, 1520, 1550, 1700, 2510, 2520, 2610, 2620, SOC 2510, 2520, 2610, PSY 2510, 2630, 2710, 2810, SSC 2610, 2710	
Written Communication	
ENG-2200 Professional Communication 4	MCS1123 Tech & Prof Communication 3

NOTE: See an OCC counselor for transfer information.

**LAWRENCE TECHNOLOGICAL UNIVERSITY
ARTICULATION GUIDE**

**Oakland Community College- Computer Information Systems
LTU – Bachelor of Science in Information Technology
Based on OCC 2005-06 Catalog and LTU 2005-07 Catalog**

Oakland Community College Courses:

Transfer to LTU as:

CIS Options	
<u>Computer Support Option</u>	
CIS 2232 Fundamentals of System Support 4	
CIS2333 Web System Administration 4	
ETC 2150 Computer Repair I 4	
<i>Students must also select 2 courses from the following:</i>	
CIS 2332 UNIX Operating Systems 3	
CIS 2414 Systems Architecture and Integration 4	
CIS 2434 Linux Administration 3	
CIS 2535 Windows Server Administration 3	
CIS 2636 Network Administration 4	
CIS 2737 Database Administration 4	
CIS 2839 Internet Security 4	
<u>Homeland Security Option</u>	
CIS 2111 System Analysis & Design 4	
CIS 2232 Fundamentals of System Support 4	
CIS 2838 System Security 4	
CIS 2839 Internet Security 4	
<i>Students must also select 2 courses from the following:</i>	
CIS 2212 Info Technology Project Management 4	
CIS 2636 Network Administration 4	
ECT 2150 Computer Repair I 4	
<u>Software Engineering Option</u>	
CIS 2151 Object-Oriented Programming (Java) 4	
CIS 2252 Object-Oriented Programming (C++) 4	
CIS 2353 Data Structures 4	
CIS 2454 Web System Development (JSP) 4	
<i>Students must also select 2 courses from the following:</i>	
CIS 2250 COBOL Software Development 4	
CIS 2555 Web System Development (JSP) 4	
CIS 2656 Visual Basic Programming 4	
CIS 2757 C# Programming 4	
CIS 2818 Wireless and Mobile Systems 4	
CIS 2838 System Security 4	
CIS 2858 Advanced Web Programming 4	
CIS 2859 Graphics and Game Programming 4	

CIS Options continued on next page...

**LAWRENCE TECHNOLOGICAL UNIVERSITY
ARTICULATION GUIDE**

**Oakland Community College – Computer Information Systems
LTU – Bachelor of Science in Information Technology
Based on OCC 2005-06 Catalog and LTU 2005-07 Catalog**

<p>CIS Options (cont.)</p> <p>Systems Analysis Option</p> <p>CIS 2111 Systems Analysis and Design (UML)4 CIS 2212 Info Technology Project Management4 CIS 2414 Application Integration (J2EE)4 CIS 2515 Database Design and Management4</p> <p><i>Students must also select 2 courses from the following:</i></p> <p>CIS 2313 E-Business and E-Commerce4 CIS 2454 Web System Development (JSP)4 CIS 2616 Database Application Design (XML, SQL).....4 CIS 2717 Expert and Knowledge-Based Systems4 CIS 2818 Wireless and Mobile Systems4 CIS 2838 System Security4</p>	
<p>Other Transferable Credits: Note: A maximum of 70 credits may be transferred from community colleges</p> <p>Natural Science7 Select two courses and one must include a lab: BIO 1500, 1511, 1530, 1540, 1550, 1630, CHE 1000, 1320, 1510, GEO 1510, GSC 1530, 1580, 1620, PHY 1030, 1610, 2400, PSC 1560</p> <p>MAT 1540 or 1560 or 16304 MAT 1600 or 17304</p> <p>Fine Arts/Humanities3 Select one of the following: ART 1560, ENG 1710, 1720, 2510, 2520, 2530, 2540, 2550, 2560, 2750, 2760, 2800, 2820, FSH 1500, HUM 1510, 2720, 2900, MUS 1540, 1550, 1560, 1585, 1590, 1670, THE 1561, 1800</p> <p>Social Science3 Select one of the following: ANT 1540, GEO 1520, HIS 1510, 1520, 1550, 1700, 2510, 2520, 2610, 2620, SOC 2510, 2520, 2610, PSY 2510, 2630, 2710, 2810, SSC 2610, 2710</p>	<p>Natural Science 7</p> <p>MAT 1214 Introduction to Math Analysis I 4 MAT 1224 Introduction to Math Analysis II 4</p> <p>LLT 1223 World Masterpiece II 3</p> <p>COM 1001 (University Seminar) Satisfied</p> <p>Completion of the BSIT Degree at LTU</p> <p>Technology Core 30 Professional Minor 15</p>
	<p>Maximum Transferable OCC Credits75 Minimum Credits at LTU:45 **Minimum Credits to Graduate120**</p>