# LAWRENCE TECHNOLOGICAL UNIVERSITY ~ TRANSFER GUIDE

## MICHIGAN STATE UNIVERSITY

**Majors:** All Majors

**Valid For:** Lawrence Technological University 2008-2009 Catalog
Michigan State University 2009-2010 Catalog

## Michigan State University Courses | Lawrence Technological University Equivalencies
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PHYS 231 + 251 | PHY2213 College Physics 1
PHYS 2221 College Physics 1 Lab
PHYS 232 + 252 | PHY2223 College Physics 2
PHYS 2231 College Physics 2 Lab
MATH 116 | MCS1214 Math Analysis 1
MATH 124 or 132 | MCS1224 Math Analysis 2

## Transferable Coursework for Architecture Majors

- **PHYS 231 + 251:** PHY2213 College Physics 1
- **PHYS 232 + 252:** PHY2223 College Physics 2
- **MATH 116:** MCS1214 Math Analysis 1
- **MATH 124 or 132:** MCS1224 Math Analysis 2

## Transferable Coursework for Engineering Majors

- **CEM 141 or 151:** CHM 1213 University Chemistry 1
- **PHYS 183 + 191:** PHY 2413 University Physics 1
- **PHYS 184 + 192:** PHY 2423 University Physics 2
- **MATH 132:** MCS1414 Calculus 1
- **MATH 133:** MCS1424 Calculus 2
- **MATH 234:** MCS2414 Calculus 3
- **MATH 235:** MCS 2423 Diff. Equations
- **EC 201 or 202:** SSC 2303 Principles of Economics 1
- **EGR 100:** EGE 1012 Intro to Engineering or related courses
- **ECE 201 + 202 (EE Majors):** EEE 2114 + 2111 Circuits 1 + Lab
- **ECE 302 + 303 (EE Majors):** EEE 3313 + 3311 Electronics + Lab
- **ECE 331 (EE Majors):** EEE 3223 + 3231 Microprocessors + Lab
- **ECE 457 (EE Majors):** EEE 4423 Communication Systems
- **ME 221 or CE 221 (ME, CE Majors):** EGE 2013 Statics
- **ME 361 (ME, CE Majors):** EME 3043 Dynamics
- **ME 201 (ME Majors):** EME 3003 Thermodynamics
- **ME 332 (ME Majors):** EME 3024 Fluid Mechanics
- **ME 410 (ME Majors):** EME 4013 Heat Transfer
- **ME 477 (ME Majors):** EME 3023 Manufacturing Processes
- **MSE 250 (ME Majors):** EGE 1023 Engineering Materials
- **CE 271 (CE Majors):** ECE 1013 Surveying/ Land Measurement
- **CE 280 (CE Majors):** ECE 3324 Environmental Engineering 1
- **CE 305 (CE Majors):** ECE 3723 Theory of Structures
- **CE 337 (CE Majors):** ECE 1413 CE Materials
- **CE 341 (CE Majors):** ECE 3823 Transportation Engineering
- **CE 406 (CE Majors):** ECE 4743 Concrete Design

## Transferable Coursework for All Majors

- **Select one:** WRA 110, 120, 130, 150, ENG 210
- **NO EQUIVALENT:** COM1103 English Composition
- **Select Two Courses:** **ENG** 121, 203, 204, 206, 211, 206, 221, 223, 226, 228, 229, 231, 265, **IAH** 207, 221A, **HA** Humanities Courses

**6 Credit Hours Required**
Select Two Courses: IAH 201, 202, 203, 204, 205, 221, ISS 220, 225, 310, GEO 151, HA 292, HST 140, 150, 202, 204, 205, 206, 209, 292, 301, PHL 200, 210, PLS 100, 140, 160, 200, 201, SOC 100, 131, 215, 241, ANP 101, 201, PSY 101, 200, 235, 255

Social Science Courses
6 Credit Hours Required

<table>
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<tr>
<th>Transferable Coursework for Business Management/ IT Majors</th>
<th>Additional Coursework for Computer Science Majors</th>
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<tr>
<td>ACC 201 (Bus./ Indus. Mgt. Only)</td>
<td>ACC 2013 Acct. Principles 1</td>
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<td>ACC 202 (Bus./ Indus. Mgt. Only)</td>
<td>ACC 2023 Acct. Principles 2</td>
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<tr>
<td>EC 201 + 202 (Both EC courses must be taken)</td>
<td>SSC 2303 Principles of Economics 1</td>
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<td>MSC 300 or 327</td>
<td>SSC 2403 Principles of Economics 2</td>
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<td>MKT 3013 Principles of Marketing</td>
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Math & Science Requirements (Game Development & Scientific Options): MATH 132, MATH 133, MATH 234, MATH 235, PHYS 183 + 191, PHYS 184 + 192

Courses to receive credit for: MCS 1414, MCS 1424, MCS 2414, MCS 2423, PHY 2413 + 2421, PHY 2423 + 2431

Math & Science Requirements (Software & Business Options): MATH 116, MATH 124 or 132, CEM 141 or 151, PHYS 183 + 191, (Other Choices: AST 207, BS 111 + 111L, PHYS 232 + 252)

Courses to receive credit for: MCS 1214, MCS 1224, Natural Science Elective Credit (7 credit hours)

CSE 231 | MCS 1514 Computer Science 1 |
CSE 232 | MCS 2514 Computer Science 2 |
CSE 320 | MCS 3663 Computer Arch/ Assembler |

PLEASE NOTE:
All Grades must be at least a 2.0, in order to transfer to LTU.

Courses that are on this sheet may not apply towards all programs. Please contact the Office of Admissions to determine which courses transfer to particular programs.

THE FOLLOWING ARE COURSES THAT DO NOT TRANSFER:
CS 260- Discrete Structures
MTH 110- Finite Math/ College Algebra
MTH 442- Partial Differential Equations
PHY 232 + 252- Introductory Physics 2 (Doesn’t transfer for PHY 2413 + 2421)

Apprenticeship, trade, remedial, physical education, and basic study courses are not transferable.

An evaluation of your current standing (under the LTU major of your choice) can be obtained by sending student copies of your transcripts to:

LTU Office of Admissions
21000 W. 10 Mile Rd.
Southfield, MI 48075

Phone (248)-204-3160 Fax (248) 204-2228

6/30/09 am