Supply Chain Management Technology
Dept of Technology Leadership & Innovation/Purdue Polytechnic Institute
TTLIET-BS / Major: TSCM 201610
120 Credits for graduation

Technology Leadership & Innovation Core (27 credits)

(3) TLI 11100 Gateway to Technology Leadership and Innovation or IT 10400 Industrial Organization
(3) TLI 11200 Foundations of Organizational Leadership or OLS 25200 Human Behaviors in Organizations
(3) TLI 21300 Project Management or TECH 32000 Technology and the Organization
(3) TLI 21400 Introduction to Supply Chain Management Technology or IT 23000 Industrial Supply Chain Management
(3) TLI 31300 Technology Innovation & Integration: Bar Codes to Biometrics or IT 34500 Auto Identification & Data Capstone
(3) TLI 31400 Leading Innovation in Organizations
(3) TLI 31500 Innovative Product Development and Testing
(3) TLI 31600 Statistical Quality Control or IT 34200 Intro to Statistical Quality
(3) TLI 41400 Financial Analysis for Technology Systems or IT 43200 Financial Transaction in Distribution

Supply Chain Management Technology Core (39 credits)

(3) TLI 23500 Introduction to Lean & Sustainable System or IT 21400 Intro to Lean Manufacturing
(3) TLI 34200 Warehouse & Inventory Management or IT 33200 Purchasing, Inventory and Warehouse Management
(3) TLI 34250 Purchasing & Contract Management
(3) TLI 34300 Technical & Service Selling or IT 33000 Industrial Sales and Sales Management
(3) TLI 34350 Business to Business Sales Management
(3) TLI 43530 Operations Planning & Management or IT 44200 Production Planning
(3) TLI 43640 Lean Six Sigma or IT 44600 Six Sigma Quality
(3) TLI 44275 Global Transportation & Logistics Management or IT 43400 Global Transportation and Logistics Management
(3) MET 14300 Materials & Processes I or MET 14400 Materials & Processes II
(3) MET 15800 Precalculus
(3) MGMT 20010 Business Accounting or MGMT 20000 Introductory Accounting
(3) MGMT 32300 Intro to Market Analysis
(3) TLI Selective
(3) Capstone Selective
(0) Globalization Portfolio

Foundational Course Requirements (24 credits)

(3) COM 11400 Fundamentals of Speech Communication (satisfies Oral Communication for core)
(3) MA 15800 Precalculus (satisfies Quantitative Reasoning for core)
(3) PSY 12000 Elementary Psychology or SOC 10000 Introductory Sociology (satisfies Human Cultures Behavioral/Social Science for core)
(3) TECH 12000 Design Thinking in Technology (satisfies Science, Technology & Society and Information Literacy for core)
(3) Humanities Selective (satisfies Human Cultures Humanities for core) (See Supplemental Information)
(3) Science Selective (satisfies Science for core) (See Supplemental Information)
(3) Lab Science Selective (satisfies Science for core) (See Supplemental Information)
(3) Written Communication Selective (satisfies Written Communication for core) (See Supplemental Information)

General Education (12 credits)

(3) ECON 21000 Principles of Economics or AGEC 21700 Economics or ECON 25100 Microeconomics or ECON 25200 Macroeconomics
(3) Mathematics/Statistics Selective (See Supplemental Information)
(3) History of Science and Technology Selective (See Supplemental Information)
(3) Advanced Communication Selective (See Supplemental Information)

Free Electives (9 credits) and Technical Elective (9 credits) (See Supplemental Information)

University Core Requirements (http://www.purdue.edu/provost/initiatives/curriculum/course.html)

Human Cultures Humanities
Human Cultures Behavioral/Social Science
Information Literacy
Science Selective
Science Selective

Science, Technology & Society Selective
Written Communication
Oral Communication
Quantitative Reasoning
MA 15800/15300

The student is ultimately responsible for knowing and completing all degree requirements.
myPurdue Plan is knowledge source for specific requirements and completion

7/7/2015 (effective Fall 2015)
Supply Chain Management Technology

Suggested Arrangement of Courses:

<table>
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<tr>
<th>Credits</th>
<th>Fall 1st Year</th>
<th>Prerequisite</th>
<th>Credits</th>
<th>Spring 1st Year</th>
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<td>TLI 11100 Gateway to TLI</td>
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<td>3</td>
<td>TLI 11200 Foundation of Tech Leadership</td>
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<tr>
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<td>MA 15800*</td>
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<td>3</td>
<td>TLI 21400 Into to Supply Chain MGMT Tech</td>
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<tr>
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<td>TECH 12000*</td>
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<td>PSY 12000 or SOC 10000*</td>
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<td>Lab Science Selective*2</td>
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<th>Credits</th>
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<tr>
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<td>TLI 21300 Project Management</td>
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<td>ECON 21000 Prin of Econ</td>
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<td>3</td>
<td>TLI 23500 Intro to Lean &amp; Sustainable Systems</td>
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<td>MGMT 20010 Acct</td>
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<th>Spring 3rd Year</th>
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<tr>
<td>3</td>
<td>TLI 31300 Tech Innovation: Biometrics</td>
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<td>3</td>
<td>TLI 31500 Innovative Product Dev &amp; Test</td>
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<td>3</td>
<td>TLI 31400 Leading Innovation in Org</td>
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<td>TLI 34200 Warehouse &amp; Inventory Management</td>
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<td>TLI 31600 Statistical Quality Control</td>
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<td>TLI 34250 Purchasing &amp; Contract MGMT</td>
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<td>MGMT 32300 Intro to Marketing</td>
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<td>TLI 34300 Technical &amp; Service Selling</td>
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<td>Advanced Communication Selective*7</td>
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<td>TLI 43530 Operations Management</td>
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<th>Spring 4th Year</th>
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<tr>
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<td>TLI 33400 min ‘C’ or MGMT 20010 min ‘C’</td>
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<td>TLI 34350 B2B Sales Management</td>
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<td>TLI 23500 and TLI 31600</td>
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<td>TLI 44275 Global Transportation &amp; Logistics Management</td>
<td>TLI 34200 min ‘C’</td>
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<td>Globalization Portfolio*11</td>
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*Fulfills University Core
1) 120 credits listed above are required for the TSCM Bachelor of Science degree.
2) 2.0 Graduation GPA required for Bachelor of Science degree.
3) 32 credits of upper division courses (30000 level or higher) must be taken at Purdue University, West Lafayette.
4) ANY COURSE TAKEN AT PURDUE CAN BE ATTEMPTED NO MORE THAN THREE TIMES (INCLUSIVE OF W, WF, I AND IF).

See next page for all supplemental information

******************************************************************************
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myPurdue Plan is knowledge source for specific requirements and completion
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7/7/2015 (effective Fall 2015)
1. **Humanities Selective (3 credits)**
   See approved Humanities list at: [http://www.purdue.edu/provost/initiatives/curriculum/course.html](http://www.purdue.edu/provost/initiatives/curriculum/course.html)

2. **Lab Science Selective (3 credits)**
   Must be a lab from the approved UCC Science list: [http://www.purdue.edu/provost/initiatives/curriculum/course.html](http://www.purdue.edu/provost/initiatives/curriculum/course.html)
   - ASTR 26300 Descriptive Astronomy: The Solar System
   - ASTR 26400 Descriptive Astronomy: Stars and Galaxies
   - BIOL 11000 Fundamentals of Biology I
   - BIOL 11100 Fundamentals of Biology II
   - BIOL 12100 Biology I: Ecology, Diversity, & Behavior
   - BIOL 13100 Biology II: Dev, Structure & Function of Organisms
   - BIOL 13500 First year Biology lab
   - BIOL 14600 Introduction to Biology
   - BIOL 20300 Human Anatomy and Physiology
   - BIOL 20400 Human Anatomy and Physiology
   - CHM 11100 General Chemistry
   - CHM 11200 General Chemistry
   - CHM 11500 General Chemistry
   - CHM 11600 General Chemistry
   - CHM 12500 Intro to Chemistry
   - CHM 12600 Introduction to Chemistry II
   - CHM 13600 General Chemistry Honors
   - HORT 10100 Fundamentals of Horticulture
   - PHYS 17200 Modern Mechanics
   - PHYS 21800 General Physics I
   - PHYS 21900 General Physics II
   - PHYS 22000 General Physics
   - PHYS 22100 General Physics
   - PHYS 22100 General Physics
   - PHYS 24100 Electricity & Optics
   - PHYS 27200 Electric & Magnetic Interactions

3. **Science Selective (3 credits)**
   Must be a class from the approved UCC Science list: [http://www.purdue.edu/provost/initiatives/curriculum/course.html](http://www.purdue.edu/provost/initiatives/curriculum/course.html)
   - ASTR 26300 Descriptive Astronomy: The Solar System
   - ASTR 26400 Descriptive Astronomy: Stars and Galaxies
   - BIOL 11000 Fundamentals of Biology I
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   - BIOL 13100 Biology II: Dev, Structure & Function of Organisms
   - BIOL 13500 First year Biology lab
   - BIOL 14600 Introduction to Biology
   - BIOL 20300 Human Anatomy and Physiology
   - BIOL 20400 Human Anatomy and Physiology
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   - CHM 11200 General Chemistry
   - CHM 11500 General Chemistry
   - CHM 11600 General Chemistry
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   - PHYS 21900 General Physics II
   - PHYS 22000 General Physics
   - PHYS 22100 General Physics
   - PHYS 24100 Electricity & Optics
   - PHYS 27200 Electric & Magnetic Interactions

4. **Written Communication Selective (minimum 3 credits)**
   - ENGL 10600 First-Year Composition
   - ENGL 10800 Accelerated First-Year Composition

5. **Mathematics/Statistics Selective (3 credits)**
   - MA 16010 Applied Calculus I
   - MA 16100 Plane Analytic Geometry & Calculus I
   - MA 16200 Plane Analytic Geometry & Calculus II
   - MA 16500 Analytic Geometry & Calculus I
   - MA 16600 Analytic Geometry & Calculus II
   - STAT 22500 Intro Probability Models
   - *STAT 30100 Elementary Statistics Methods (recommended)

6. **History of Science and Technology Selective (3 credits)**
   - HIST 33200 Science and Technology in Western Civilization I
   - HIST 33300 Science and Technology in Western Civilization II
   - HIST 33400 Science and Technology in Western Civilization II
   - HIST 35000 Science and Technology in the Twentieth Century World
   - HIST 3801 History of United States Agriculture
   - HIST 38040 History of Aviation
   - HIST 38700 History of the Space Age
   - HIST 49400 Science and Technology in American Civilization

7. **Advanced Communication Selective (3 credits)**
   - COM 31400 Advanced Presentational Speaking
   - COM 31500 Speech Communication of Technical Information
   - COM 31800 Principles of Persuasion
   - COM 32000 Small Group Communication
   - COM 32400 Intro to Organizational Communication
   - COM 32500 Interviewing Principles and Practice
   - COM 41500 Discussion of Technical Problems
   - ENGL 30400 Advanced Composition
   - ENGL 30600 Intro Professional Writing
   - ENGL 42000 Business Writing
   - ENGL 42100 Technical Writing

8. **TLI Selective (3 credits)**
   - Any TLI course not already required
   - ENTR 20000 Intro to Entrepreneurship and Innovation
   - ENTR 31000 Marketing and Management for New Ventures
   - ENTR 48000 Entrepreneurship Capstone

9. **Free Electives (9 credits)**
   Any non-remedial course offered for credit at the University not already required/being used on the plan of study

10. **Technical Elective (9 credits)**
   Any non-required College of Technology course not already required on the plan of study

11. **Globalization Portfolio (0 credits)**

12. **Capstone Selective (3 credits)**
    - TLI 48490 Supply Chain Mgt Tech Capstone
    - TLI 48800 TLI Capstone

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