

**Technology Leadership & Innovation Core (12 credits)**

- \_\_\_\_\_ (3) TLI 11100 Introduction to Manufacturing and Supply Chain Systems *or IT 10400*
- \_\_\_\_\_ (3) TLI 11200 Foundations of Organizational Leadership *or OLS 25200*
- \_\_\_\_\_ (3) TLI 21300 Project Management *or TECH 32000 or OLS 45000*
- \_\_\_\_\_ (3) TLI 21400 Introduction to Supply Chain Management Technology *or IT 23000*

**Organizational Leadership (12 credits)**

- \_\_\_\_\_ (3) TLI 15200 Business Principles for Organizational Leadership
- \_\_\_\_\_ (3) TLI 25300 Principles of Technology Strategy
- \_\_\_\_\_ (3) TLI 25400 Leading Change in Technology Organizations *or OLS 38600*
- \_\_\_\_\_ (3) Technology Focus Selective

**Foundational Course Requirements (30 credits)**

- \_\_\_\_\_ (3) MA 15555 Quantitative Reasoning *or MA 15800 Precalculus (satisfies Quantitative Reasoning core)*
- \_\_\_\_\_ (3) TECH 12000 Design Thinking in Technology *(satisfies Information Literacy and Science, Technology & Society for core)*
- \_\_\_\_\_ (3) Behavioral/Social Science Selective<sup>1</sup> *(satisfies Human Cultures: Behavioral Sciences for core)*
- \_\_\_\_\_ (3) Humanities Selective *(satisfies Human Cultures Humanities for core)*
- \_\_\_\_\_ (3) Lab Science Selective *(satisfies Science for core)*
- \_\_\_\_\_ (3) Science Selective *(satisfies Science for core)*
- \_\_\_\_\_ (3) Oral Communication Selective *(satisfies Oral Communication for core)*
- \_\_\_\_\_ (3) Written Communication Selective *(satisfies Written Communication for core)*
- \_\_\_\_\_ (3) ECON 21000 Principles of Economics (ECON-E101\*IU) *or AGECE 21700 or ECON 25100 or ECON 25200*
- \_\_\_\_\_ (3) Mathematics/Statistics Selective

**Electives (6 credits)** (See Supplemental Information)

\_\_\_\_\_ (3) \_\_\_\_\_ (3)

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

Human Cultures Humanities	<input type="checkbox"/>	_____	Science, Technology & Society Selective	<input type="checkbox"/>	<b>TECH 12000</b>
Human Cultures Behavioral/Social Science	<input type="checkbox"/>	<b>PSY 12000/SOC 10000</b>	Written Communication	<input type="checkbox"/>	<b>ENGL 10600/10800</b>
Information Literacy	<input type="checkbox"/>	<b>TECH 12000</b>	Oral Communication	<input type="checkbox"/>	<b>COM 11400</b>
Science Selective	<input type="checkbox"/>	_____	Quantitative Reasoning	<input type="checkbox"/>	<b>MA 15500</b>
Science Selective	<input type="checkbox"/>	_____			

Fall 1 <sup>st</sup> Year	CR	GR	Sem	Fulfilled by	Spring 1 <sup>st</sup> Year	CR	GR	Sem	Fulfilled by
<b>TLI 11200</b> Foundations of Org Leadership	3				<b>TLI 11100</b> Introduction to Manufacturing & Supply Chain Systems	3			
MA 15555 Quantitative Reasoning or <b>MA 15800</b> Precalculus* (Prereq ALEKS score 60)	3				<b>TLI 15200</b> Business Principles for Organizational Leadership	3			
<b>TECH 12000</b> Design Thinking in Technology *	3				Mathematics/Statistics Selective <sup>6</sup>	3			
Humanities Selective* <sup>1</sup>	3				Written Communication Selective* <sup>5</sup> ( <b>ENG-W131</b> *IU)	3			
COM 11400 Fundamental of Speech Communication* <sup>4</sup> ( <b>SPCH-S121</b> *IU)	3				Lab Science Selective* <sup>2</sup>	3			
<b>TOTAL CREDIT HOURS</b>	<b>15</b>				<b>TOTAL CREDIT HOURS</b>	<b>15</b>			

Fall 2 <sup>nd</sup> Year	CR	GR	Sem	Fulfilled by	Spring 2 <sup>nd</sup> Year	CR	GR	Sem	Fulfilled by
<b>TLI 21300</b> Project Management	3				<b>TLI 25400</b> Leading Change in Tech Org	3			
<b>TLI 21400</b> Intro to Supply Chain MGMT Tech	3				Science Selective* <sup>3</sup>	3			
<b>TLI 25300</b> Principles of Technology Strategy	3				Technology Focus Selective <sup>7</sup>	3			
Behavioral/Social Science Selective* <sup>1</sup>	3				Elective	3			
ECON 21000 (ECON-E101*IU) Princ of Economics	3				Elective	3			
<b>TOTAL CREDIT HOURS</b>	<b>15</b>				<b>TOTAL CREDIT HOURS</b>	<b>15</b>			

\*Fulfills University Core Requirement

1. 60 semester credits and a 2.0 Graduation GPA are required for the Associate of Science degree.
2. 2.0 Graduation GPA required for Associate of Science degree.
3. Courses at Purdue University may only be attempted a maximum of three (3) times, including W, WF, I, IF and all graded attempts.

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**The student is ultimately responsible for knowing and completing all degree requirements.  
Degree Works is knowledge source for specific requirements and completion.**

# OL Supplemental Information

All prerequisites must be met

## <sup>1</sup>Behavioral/Social Science and Humanities Selectives (3 credits each)

See approved list at: <http://www.purdue.edu/provost/initiatives/curriculum/course.html>

**Humanities \*ENG-L104, FINA-F100, FINA-H100, HIST-H105, HIST-H106, MUS-M174, EALC-J101**

**Behavioral/Social Science \*PSY-P101, SOC-S163, POLS-Y103**

## <sup>2</sup>Lab Science Selective (3 credits)

Must be a lab from the below list that is from the approved UCC Science list: <http://www.purdue.edu/provost/initiatives/curriculum/course.html>

ASTR 26300 Dscrpt Astronomy: The Solar Sys

ASTR 26400 Dscrpt Astronomy: Stars & Galaxies

BIOL 11000 Fundamentals of Biology I

BIOL 11100 Fundamentals of Biology II

BIOL 12100 Biology I: Ecology, Div, & 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

BTNY 11000 Intro to Plant Science

CHM 11100 General Chemistry

CHM 11200 General Chemistry

CHM 11500 General Chemistry

CHM 11600 General Chemistry

CHM 12500 Introduction to Chemistry

CHM 12600 Introduction to Chemistry II

CHM 13600 General Chemistry Honors

CHM 20000 Fund of Chemistry

EAPS 10900 The Dynamic Earth

EAPS 11100 Physical Geology

EAPS 11200 Earth through Time

EAPS 24300 Earth Materials I

EAPS 24400 Earth Materials II

ENTM 20600 General Entomology & ENTM

20700 General Entomology Lab

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 24100 Electricity & Optics

PHYS 27200 Electric & Magnetic Interactions

**\*BIOL-L100 Humans & the Biological World**

**\*CHEM-C101/C121 Elem Chemistry & Lab**

**\*CHEM-C105/C125 Gen Chemistry & Lab**

**\*GEOL-G100 General Geology**

**\*PHYS-P201 General Physics I**

**\*PHYS-P202 General Physics II**

**\*PHYS-P221 Physics I**

**\*PHYS-P222 Physics II**

## <sup>3</sup>Science Selective (3 credits)

Must be a class from the approved UCC Science list: <http://www.purdue.edu/provost/initiatives/curriculum/course.html>

**\*BIOL-L100 Humans & Biological World**

**\*CHEM-C101 Elementary Chemistry**

**\*CHEM-C105 General Chemistry**

**\*GEOL-G100 General Geology**

**\*PHYS-P201 General Physics I**

**\*PHYS-P202 General Physics II**

**\*PHYS-P221 Physics I**

**\*PHYS-P222 Physics II**

## <sup>4</sup>Oral Communication Selective

COM 11400 Fundamentals of Speech Comm

SCLA 10200 Transformative Texts, Critical Thinking & Communication II: Modern World

**\*SPCH-S121 Fundamentals of Public Speaking**

## <sup>5</sup>Written Communication Selective (minimum 3 credits)

ENGL 10600 First-Year Composition

ENGL 10800 Accelerated First-Year Composition

SCLA 10100 Transformative Texts, Critical Thinking & Comm I: Antiquity To Modernity

**\*ENG-W131 Reading, Writing, & Inquiry**

## <sup>6</sup>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**

**\*MATH-K300 Statistics**

## <sup>10</sup>Technical Focus Selective (3 credits)

**Advanced Manufacturing**

**MET 14300 Materials and Processes I or**

**MET 14400 Materials and Processes II**

**MET 24500 Manufacturing Systems**

MFET 30000 Applications of Automation in Mfg

**TLI 23500 Intro Lean & Sustainable Systems**

**TLI 33520 Human Factors for Tech Systems**

ENTR option course 2

ENTR Certificate Capstone course

**Human Capital**

**OLS 37500 Training Methods**

**OLS 47600 Compensation Planning & Mgmt**

**OLS 45000 Project Management**

MGMT 44301 Mgmt of Human Resource Issues

PSY 27200 Industrial/Organizational Psy

PSY 47500 Work Motivation And Job Satisfaction

SOC 31600 Industry And Society

SOC 52000 Work In Contemporary America

POL 34500 West European Democracies in the Post-Industrial Age

POL 43300 International Organization

POL 43500 International Law

Any foreign language 20100 or higher, max 6 cr

Any Purdue-approved study abroad credit,1-6 cr.

**Military Science and Technology**

Any minor in Military Science & Technology

• Aerospace Studies (AEST)

• Military Science & Leadership (MILT)

• Naval Science (NAVL)

**Biometrics (minor in Biometrics)**

**TLI 31300 Tech Integr: Bar Codes to Biometrics**

IT 54000 Biometric Perform & Usability Analysis

IT 54500 Biometrics Technology & Applications

STAT 30100 Elementary Statistical Methods

TLI 49800 Undergraduate Research in TLI

**International Leadership**

AGEC 34000 International Econ Development

AGEC 43500 Leadership in a Changing World

COM 30300 Intercultural Communication

COM 22400 Com in the Global Workplace

POL 23500 Int'l Relations Rich & Poor Nations

**Sales & Marketing**

AGEC 33100 Prin of Selling in Agricultural Bus

COM 25300 Intro Public Relations

COM 25600 Intro to Advertising

COM 31800 Principles of Persuasion

CSR 28200 Customer Relations Mgmt

MGMT 32300 Principles of Marketing

**Entrepreneurship (Certificate)**

ENTR 20000 Intro to ENTR & Innovation

ENTR 31000 Marketing & Mgmt New Ventures

ENTR option course 1 (TLI 21400 Supply Chain

required for the major)

Supply Chain Mgmt Tech (minor in TSCM)  
TLI 21400 Intro Supply Chain Mgmt Tech  
TLI 23500 Intro Lean & Sustainable Systems  
TLI 34200 Warehouse & Inventory Management

TLI 34250 Purchasing & Contract Mgmt  
TLI 34300 Technical & Service Selling  
TLI 34350 B2B Sales Mgmt  
TLI 44275 Global Trans & Logistics Mgmt

Interdisciplinary Polytechnic  
Four courses in any Polytechnic discipline not  
already required for the OL major – course  
subjects are AT, BCM, CNIT, CGT, MET, MFET,  
ECET, OLS, IT, and IET

**<sup>12</sup>Free Electives (6 credits)**

Any non-remedial course offered for credit at the University not already required/being used on the plan of study