

Organizational Leadership

Technology Leadership & Innovation Core (27 credits)

- _____ (3) TLI 11100 Gateway to Technology Leadership & Innovation or OLS 27400 Applied Leadership or IT 10400 Industrial Organizations
- _____ (3) TLI 11200 Foundations of Organizational Leadership or OLS 25200 Human Behavior in Organizations
- _____ (3) TLI 21300 Project Management or TECH 32000 Technology and the Organization or OLS 45000 Project Management
- _____ (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

Organizational Leadership Core (33 credits)

- _____ (3) TLI 25300 Principles of Technology Strategy
- _____ (3) TLI 25400 Leading Change in Technology Organizations or OLS 38600 Leading Organizational Change and Innovation
- _____ TLI 33400 Economic Analysis for Technology Systems or MGMT 20010 Business Accounting or MGMT 20000 Intro Accounting or IT 45000 Production Cost Analysis
- _____ (3) TLI 33610 Risk Analysis and Assessment or IT 38500 Industrial Ergonomics
- _____ (3) TLI 35600 Global Technology Leadership or OLS 45600 Leadership in Global Environment or TECH 33000 Tech & Global Society
- _____ (3) TLI 43640 Lean Six Sigma or IT 44600 Six Sigma Quality
- _____ (3) TLI 45700 Technology Policy and Law or OLS 34600 Critical Thinking & Ethics
- _____ (3) TLI 45800 Leadership for Competitive Advantage or OLS 48400 Leadership Strategies for Quality & Productivity
- _____ (3) TLI Selective (See Supplemental Information)
- _____ (3) Leadership Experiential Selective (See Supplemental Information)
- _____ (3) Capstone Selective (See Supplemental Information)
- _____ (0) Globalization Portfolio

Technology Leadership Focus (15 credits)

- _____ (3) Technology Focus Selective (See Supplemental Information)
- _____ (3) Technology Focus Selective (See Supplemental Information)
- _____ (3) Technology Focus Selective (See Supplemental Information)
- _____ (3) Technology Focus Selective (See Supplemental Information)
- _____ (3) TLI 45900 Technology Focus Seminar

Foundational Course Requirements (24 credits)

- _____ (3) COM 11400 - (*SPCH-S 121 – Public Speaking) - Fundamentals of Speech Communication (*satisfies Oral Communication for core*)
- _____ (3) MA 15800 Precalculus (*satisfies Quantitative Reasoning for core*)
- _____ PSY 12000 (*PSY-P 103 – General Psychology) Elementary Psychology or SOC 10000 (*SOC-S 161 – Principles of Sociology)
- _____ (3) 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 (*ECON-E 103 OR 104 – Intro Microeconomics or Intro Macroeconomics) Principles of Economics or AGECE 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) (See Supplemental Information)

- _____ (FE) _____ (FE) _____ (FE)

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

Human Cultures Humanities	€ _____	Science, Technology & Society Selective	€ TECH 12000
Human Cultures Behavioral/Social Science	€ _____	Written Communication	€ _____
Information Literacy	€ TECH 12000	Oral Communication	€ _____
Science Selective	€ _____	Quantitative Reasoning	€ MA 15800
Science Selective	€ _____		

Organizational Leadership

Suggested Arrangement of Courses:

Fall 1 st Year	CR	GR	Sem	Fulfilled by	Spring 1 st Year	CR	GR	Sem	Fulfilled by
TLI 11100 Gateway to TLI	3				TLI 11200 Foundations of Org Leadership	3			
COM 11400 Fundamental of Speech Communication* - SPCH-S 121 (IUSB)	3				Mathematics/Statistics Selective	3			
MA 15800 Precalculus - Functions & Trig*	3				Lab Science Selective*	5			
Written Communication Foundation Selective* – ENG-W 131 (IUSB)	3				Humanities Foundation Selective*	3			
TECH 12000 Design Thinking in Tech.*	3				Technology Focus Selective	3			
Total Credit Hours	15				Total Credit Hours	17			

Fall 2 nd Year	CR	GR	Sem	Fulfilled by	Spring 2 nd Year	CR	GR	Sem	Fulfilled by
TLI 21300 Project Management	3				TLI 25400 Leading Change in Tech Org	3			
TLI 21400 Intro Supply Chain MGMT Tech	3				Science Selective*	3			
TLI 25300 Principles of Technology Strategy	3				Technology Focus Selective	3			
ECON 210 or AGECE 21700 - ECON-E 103 Micro OR ECON-E 104 Macro (IUSB)	3				History of Science & Tech Selective	3			
PSY 12000 or SOC 10000* - PSY-P 103 or SOC-S 161 (IUSB)	3				Free Elective	3			
Total Credit Hours	15				Total Credit Hours	15			

Fall 3 rd Year	CR	GR	Sem	Fulfilled by	Spring 3 rd Year	CR	GR	Sem	Fulfilled by
TLI 31300 Tech Innovation: Biometrics	3				TLI 31500 Innovative Product Dev & Test	3			
TLI 31400 Leading Innovation in Org	3				TLI 33610 Risk Analysis & Assessment (Prerequisites: TLI 31600 or STAT 30100 or Math-K 310)	3			
TLI 31600 Statistical Quality Control (Prerequisite: Math/Stat Selective)	3				TLI 35600 Global Tech Leadership (Prerequisite: TLI 31400 min 'C')	3			
TLI 33400 Economic Analysis for Tech Systems OR MGMT 20010 Acct (Prerequisite: Math/Stat Selective)	3				Technology Focus Selective	3			
Technology Focus Selective	3				TLI Selective	3			
Total Credit Hours	15				Total Credit Hours	15			

Fall 4 th Year	CR	GR	Sem	Fulfilled by	Spring 4 th Year	CR	GR	Sem	Fulfilled by
TLI 41400 Financial Analysis for Tech Systems (Prerequisites: TLI 33400 min 'C' OR MGMT 20010 min 'C')	3				TLI 43640 Lean Six Sigma (Prerequisites: TLI 23500 and TLI 31600)	3			
TLI 45700 Technology Policy & Law	3				TLI 45900 Technology Focus Seminar (Prerequisites: TLI 25300 min 'C' and TLI 25400 min 'C' and Senior)	3			
TLI 45800 Leadership for Comp Adv (Prerequisites: TLI 25300 min 'C' and TLI 25400 min 'C')	3				Capstone Selective	3			
Advanced Communication Selective	3				Free Elective	3			
Leadership Experiential Selective	3				Free Elective	3			
					Globalization Portfolio	0			
Total Credit Hours	15				Total Credit Hours	15			

*Fulfills University Core

1) 120 credits listed above are required for the OLSV 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 the Purdue University location conferring the degree.

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

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

OL Supplemental Information

All prerequisites must be met

BOLD indicates courses offered at the South Bend location.

*** Indicates approved IUSB course for South Bend location.**

Humanities Selective (3 credits)

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

Students attending the South Bend location can go to the following link to review how IU courses transfer to Purdue University to meet University Core Course Requirements:

<http://www.purdue.edu/provost/initiatives/curriculum/documents/Retro%20and%20Transfer%20Credit%20Course%20list%205-27-14.pdf>

***FINA-F 100 Fundamentals of Studio Drawing**

***HIST-H 105 American History I**

***HIST-H 113 History of Western Civilization 1**

***HIST-H 114 History of Western Civilization 2**

***MUS-M 17400 Music for the Listener**

***PHIL-P 110 Introduction to Philosophy**

***PHIL-P 140 Introduction to Ethics**

Lab Science Selective (3 credits)

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

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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

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

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-L 100 Humans & the Biological World**

***CHEM-C 101 & 121 Elementary Chemistry & Lab**

***PHYS-P 201 General Physics I OR *PHYS-P 221 Physics I**

***PHYS-P 202 General Physics 2 OR *PHYS-P 222 Physics**

Science Selective (3 credits)

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

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***BIOL-N 190 The Natural World**

***CHEM-N 190 The Natural World**

***PHYS-N 190 The Natural World**

***PHSL-P 130 Human Biology** (cannot take both BIOL-L 100 and PHSL-P 130)

***GEOL-G 111 Physical Geology**

***GEOL-G 112 Historical Geology**

***GEOL-G 219 Meteorology**

***GEOL-N 190 The Natural World**

Written Communication Selective (minimum 3 credits)

ENGL 10600 First-Year Composition

***ENGL-W 131 Reading, Writing & Inquiry**

ENGL 10800 Accelerated First-Year Composition

Mathematics/Statistics Selective (3 credits)

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

MA 16010 Applied Calculus

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-K 310 Statistical Techniques

History of Science and Technology Selective (3 credits)

HIST 33300 Science and Technology in Western Civilization I

HIST 33400 Science and Technology in Western Civilization II

HIST 35000 Science and Technology in the Twentieth Century World

HIST 38001 History of United States Agriculture

HIST 38400 History of Aviation

HIST 38700 History of the Space Age

HIST 49400 Science and Technology in American Civilization

TLI 29900 Technology and Culture through History

HIST- H 10600 American History II

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

***SPCH-S 223 Business & Professional Speaking**

***SPCH-S 229 Discussion & Group Methods** (cannot take 229 and COM 32000)

***SPCH-S 380 Nonverbal Communication**

***SPCH-S 427 Cross-Cultural Communication**

***SPCH-S 450 Gender & Communication**

ENGL 30400 Advanced Composition

ENGL 30600 Intro to Professional Writing

ENGL 42000 Business Writing

ENGL 42100 Technical Writing

TLI Selective (3 credits)

Any TLI course not already required

ENTR 20000 Intro to Entrepreneurship & Innovation

ENTR 31000 Marketing & Management for New Ventures

ENTR 48000 Entrepreneurship Capstone

Technical Focus Selective (12 credits)

Advanced Manufacturing

MET 14300 Materials and Processes I or MET 14400 Materials and Processes II

CGT 11000 Designing for Visualization & Com or CGT 16300 Graphical Com & Spatial Analysis

MET 24500 Manufacturing Systems

MFET 30000 Applications of Automation in Manufacturing

ECET 22400 Electronic Systems

ECET 27300 Modern Energy Systems

Building Construction Management (minor in BCM)

CGT 16400 Graphics for Civil Engineering and Construction

BCM 10001 Introduction to Construction

BCM 17500 Construction Materials and Methods

Construction Graphics-Building Information Modeling (minor BIM)

CGT 26200 Intro to Construction Graphics 2D –credit given to students who successfully complete CGT 16400

CGT 36000 Application of Construction Documentation I

CGT 46200 Application of Construction Documentation II

CGT 46000 Building Information Modeling for Commercial Construction

Electronics

ECET 22400 Electronic Systems

ECET 27300 Modern Energy Systems

ECET 17900 Intro to Digital Systems

CNIT 10500 Intro to C Programming or ***CSCI-C 101 Computer Programming**

BCM 27500 Construction Plans and Measurements

Additional six (6) hours of BCM selectives

Biometrics (minor in Biometrics)

TLI 43630 Design of Experiments

IT 54000 Biometric Performance & Usability Analysis

IT 54500 Biometrics Technology & Applications

TLI 49800 Undergraduate Research in TLI

Coding (minor in CIT)

CNIT 13600 Personal Computing Tech & Appl or **CSCI-A**

106 Intro to Computing

CGT 14100 Internet Found, Tech & Devel

CNIT 17500 Visual Programming or CNIT 15500 Intro to Object-Oriented Programming or CNIT 10500 Intro to C Programming or ***CSCI-C 101 Computer Programming I**

CNIT 17600 Information Technology Architectures

CNIT 18000 Intro to Systems Development

CNIT 23500 Management Information Systems & Collaboration Technology

Human Capital

OLS 27400 Applied Leadership

OLS 38800 Leadership – Teams

OLS 37500 Training Methods

OLS 37600 Human Resource Issues

OLS 45000 Project Management

OLS 47700 Conflict Management

MGMT 44301 Management of Human Resource Issues

PSY 27200 Industrial / Organizational Psychology

Product Lifecycle Management (minor in PLM)

CGT 11000 Technical Graphics Communication

CGT 11600 Geometric Modeling for Visualization and Communication

CGT 16300 Graphical Communication and Spatial Analysis

CGT 16400 Graphics for Civil Engineering and Construction

CGT 22600 Introduction to Constraint-Based Modeling

CGT 32600 Graphic Standards for Product Definition

CGT 42300 Product Data Management or CGT 42600

Industry Applications of Simulation and Visualization

Emerging Technologies

CGT 10101 (2cr.) Foundations of Computer Graphics Technology

CGT 14100 Internet Found, Tech & Devel

CNIT 17600 Information Technology Architectures

ECET 12000 Gateway to Electrical Engineering Technology

ECET 27300 Modern Energy Systems

ECET 27400 Wireless Communications

ECET 32100 Intro to Nanotechnology

ECET 32300 Intro to Electric Vehicle Systems

IT 54000 Biometric Performance & Usability Analysis

Entrepreneurship (Certificate in Entrepreneurship & Innovation)

ENTR 20000 Intro to ENTR & Innovation

ENTR 31000 Marketing & Management for New Ventures

ENTR option course 1

ENTR option course 2

ENTR Certificate Capstone course

Technical Selling and Sales

AGEC 33100 Principles of Selling in Ag Business

COM 25300 Introduction to Public Relations

COM 25600 Introduction to Advertising

COM 32500 Interviewing Principles and Practices

CSR 28200 Customer Relations Management

MGMT 32300 Introduction to Marketing Analysis

TLI 34300 Technical & Service Selling or IT 33000 Industrial Sales and Sales Management

TLI 34350 Business to Business Sales Management

Leadership Experiential Selective (3 credits)

OLS 49100 Internship Program

OLS 46700 Service Learning

OLS 49900 Special Topics in OLS

Free Electives (9 credits)

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

Capstone Selective (3 credits)

TLI 48590 Technology Leadership Capstone

TLI 48800 TLI Capstone

Globalization Portfolio (0 credits)