

Departmental/Program Major Courses (120 credits)

Required Major Courses (42 credits)

- _____ (3) TLI 11100 Introduction to Manufacturing and Supply Chain Systems
- _____ (3) TLI 21400 Introduction to Supply Chain Management Technology
- _____ (3) TLI 23500 Introduction to Lean and Sustainable Systems
- _____ (3) TLI 25400 Leading Change in Technology Organizations
- _____ (3) TLI 31600 Statistical Quality Control
- _____ (3) TLI 33400 Economic Analysis for Technology Systems
- _____ (3) TLI 34200 Warehouse and Inventory Management
- _____ (3) TLI 33520 Human Factors for Technology Systems
- _____ (3) TLI 35600 Global Technology Leadership
- _____ (3) TLI 43530 Operations Planning and Management
- _____ (3) TLI 44275 Global Transportation and Logistics Management
- _____ (3) TECH 12000 Design Thinking in Technology
- _____ (3) TECH 32000 Technology and the Organization
- _____ (3) TECH 33000 Technology and the Global Society

Other Departmental /Program Course Requirements (76 credits)

- _____ (3) MA 15300 – Algebra & Trig I or MA 15555 – Quantitative reasoning (*satisfies Quantitative Reasoning for core*)- [MATH 102-College Algebra or MATH 103-Math & Its Applications](#)
- _____ (3) Mathematics/Statistics Selective⁴
- _____ (3) COM 11400 – Fundamentals of Speech Communication⁵ (*satisfies Oral Communication for core*)- [COMM 101-Fundamentals of Public Speaking or COMM 143 Speech](#)
- _____ (3) English Composition Selective⁶ (*satisfies Written Communication for core*) -[ENGL 101-English Composition I](#)
- _____ (3) Advanced Communication Selective⁷ TLI 34300 Technical & Service Selling
- _____ (4) Lab Science Foundation Selective⁸ (*satisfies Science for core*)
- _____ (3) Science Foundation Selective⁹ (*satisfies Science for core*)
- _____ (3) Behavioral/Social Sciences Selective¹⁰ (*satisfies Human Cultures Behavioral/Social Science for core*)
- _____ (3) Humanities Foundation Selective¹¹ (*satisfies Human Cultures Humanities for core*)
- _____ (12) Secondary Focus Area Selective¹
- _____ (12) Approved Focus Selective²
- _____ (18) Multidisciplinary Selective³
- _____ (6) Foundation Selective¹²

Free Electives¹³ (2 credits)

(FE) _____

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

<i>Human Cultures Humanities</i>	<input type="checkbox"/> Supplemental info. 11	<i>Science, Technology & Society Selective</i>	<input type="checkbox"/> TECH 12000
<i>Human Cultures Behavioral/Social Science</i>	<input type="checkbox"/> Supplemental info. 10	<i>Written Communication</i>	<input type="checkbox"/> ENGL 10100 (ENGL 10100)
<i>Information Literacy</i>	<input type="checkbox"/> TECH 12000	<i>Oral Communication</i>	<input type="checkbox"/> COMM 11400 (SPCH 143 OR SPCH 148)
<i>Science Selective</i>	<input type="checkbox"/> Supplemental info. 8	<i>Quantitative Reasoning</i>	<input type="checkbox"/> MA 15300 (MATH 102 OR MATH 103)
<i>Science Selective</i>	<input type="checkbox"/> Supplemental info. 9		

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

- **Purdue policy states that a student may attempt registration in a course no more than three times. An attempt is defined as all courses displayed on a student transcript having grades of (including, but not limited to) A, B, C, D, E, F, W, WF, I and IF.**
- **120 semester credits required for Bachelor of Science degree.**
- **2.0 Graduation GPA required for Bachelor of Science degree.**
- **NOTE: Students must take 32 credit hours of 30000 or 40000 level classes at the Purdue location conferring the degree.**

Purdue Polytechnic, BS degree in Multidisciplinary Technology
Suggested Eight Semester Plan of Study from VU's AS in Computer Networking & Security

Semester 1		Cr	Semester 2		Cr
COM 11400 Fundamentals of Speech Communication VU SPCH 143 or 148		3	Multidisciplinary Selective ³ VU CMET 185 Computer Maintenance II		3
MA 15300 or MA 15555 VU MATH 102, Algebra or MATH 103, Math & Its Applications		3	Mathematics/Statistics Foundation Selective ⁴		3
Secondary Focus Area Course ¹ VU ELEC 110 Basic Component & Circuit Analysis (6 Cr) or VU ELEC 100 Basic Electricity and Electronics (5 Cr)		5	English Composition Selective ⁶ VU ENGL 101		3
Focus Area Course ² VU CMET 140 Computer Maintenance I		3	Multidisciplinary Selective ³ VU CPNS 170 Computer Networking I		4
Multidisciplinary Selective ³ VU CPNS 101 LAN Basics and OSI Model		3	Multidisciplinary Selective ³ VU CPNS 102 WAN Basics and Routers		3
TOTAL		17	TOTAL		16
Semester 3		Cr	Semester 4		Cr
Science Foundation Selective ⁹		3	Free Elective ¹³		2
Multidisciplinary Selective ³ VU ELEC 130 Digital Logic I		3	Humanities Foundation Selective ¹¹		3
Secondary Focus Area Course ¹ VU CPNS 240 Computer Networking II		4	Secondary Focus Area Course ¹ VU CMET 290 Computer Maintenance IV		3
Behavioral/Social Sciences Selective ¹⁰		3	Multidisciplinary Selective ³ VU CPNS 280 Computer Networking III		2
			Lab Science Foundation Selective ⁸ VU list of approved science courses with lab		4
TOTAL		13	TOTAL		14

Semester 5	Cr	Semester 6	Cr
TECH 12000 Design Thinking in Technology	3	TECH 32000 Tech and the Organization ONLINE	3
TLI 11100 Introduction to Manufacturing and Supply Chain Systems	3	Advanced Communication Selective ⁷ TLI 34300 Technical & Service Selling	3
TLI 21400 Introduction to Supply Chain Mgmt.	3	TLI 34200 Warehouse and Inventory Management	3
TLI 23500 Introduction to Lean and Sustainable Systems	3	Focus Area Selective ² TLI 33620 Total Productive Maintenance	3
Foundation Selective ¹²	3	TLI 33520 Human Factors for Technology Systems	3
TOTAL	15	TOTAL	15
Semester 7	Cr	Semester 8	Cr
TLI 33400 Economic Analysis for Technology Systems	3	TLI 35600 Global Technology Leadership	3
TLI 31600 Statistical Quality Control	3	TLI 44275 Global Transportation and Logistics Management	3
Focus Area Selective ² TLI 43540 Facilities Planning and Material Handling	3	TECH 33000 Tech and the Global Society ONLINE	3
TLI 43530 Operations Planning and Management	3	Focus Area Selective ² TLI 43640 Lean Six Sigma	3
Foundation Selective ¹²	3	TLI 25400 Leading Change in Technology Organizations	3
TOTAL	15	TOTAL	15

MDT Supplemental Information

All prerequisites must be met

Blue denotes course that all Vincennes AS degree courses will transfer to Purdue meeting core

Red denotes Vincennes Precision Machinery AS degree courses for transfer to Purdue

¹Secondary Focus Area Courses (12 credits)

- (5) UND 1XXXX Basic Electricity/Electronics – (5) or VU ELEC 100 Basic Electricity & Electronics or VU ELEC 110 Basic Component & Circuit Analysis (6 Cr)
- (4) CNIT 2XXXX Computer Networking II – (4) VU CPNS 240 Computer Networking II
- (3) CNIT 2XXXX Computer Maintenance IV – (3) VU CMET 290 Computer Maintenance IV

²Focus Area Selective Courses (12 credits)

- (3) TLI 21300 – Project Management
- (3) TLI 31300 – Technology Innovation and Integration: Bar Codes to Biometrics
- (3) TLI 33620 - Total Productive Maintenance
- (3) TLI 34250 – Purchasing and Contract Management
- (3) TLI 41400 Financial Analysis for Technology Systems
- (3) CNIT 1XXXX Computer Maintenance I – (3) VU CMET 140 Computer Maintenance I
- (3) TLI 43640 Lean Six Sigma
- (3) TLI 43540 Facilities Planning and Material Handling

³Multidisciplinary Selective Courses (18 credits)

- (3) CNIT 1XXXX LAN Basics and OSI Model – (3) VU CPNS 101 LAN Basics and OSI Model
- (3) CNIT 1XXXX Computer Maintenance II – (3) VU CMET 185 Computer Maintenance II
- (4) CNIT 1XXXX Computer Networking I – (4) VU CPNS 170 Computer Networking I
- (3) CNIT 1XXXX WAN Basics and Routers – (3) VU CPNS 102 WAN Basics and Routers
- (3) ECET 12000 Gateway to EET – (3) VU ELECT 130 Digital Logic I
- (2) CNIT 2XXXX Computer Networking III – (2) VU CPNS 280 Computer Networking III

⁴Mathematics/Statistics Selective (3 credits)

- MATH 104 Trigonometry (MA 15400 Algebra & Trigonometry II)
- MATH 110 Statistics (STAT 30100 Elem Stat Meth)
- MATH 115 Survey of Calculus I (MA 16010 Applied Calculus I)

⁵Oral Communication Selective (*satisfies Oral Communication for core, 3 credits*)

- SPCH 143 – Speech (COM 11400 Fundamentals of Speech) or
- SPCH 148 - Interpersonal Communication (COM 21200 Interpersonal Communication)

⁶English Composition Selective (*satisfies Written Communication for core, 3 credits*)

- ENGL 101 English Composition 1 (ENGL 10100 English Composition I)

⁷Advanced Communication Selective (3 credits)

- TLI 34300 Technical & Service Selling

⁸Lab Science Foundation Selective (*satisfies Science for core, 4 credits*)

- PSCI 101 Physical Science (PHYS 1XXXX Physical Sciences)
- GEOS 100 Earth Science (EAPS 10000 Planet Earth/EAPS 19100 Intro Topics Earth Atm.)
- BIOL 101/101L Plant & Animal Biology/Plant & Animal Biology Lab (BIOL 1XXXX/1XXXX Plant & Animal Biology/Plant & Animal Biology Lab)
- BIOL 105/105L Principles of Biology 1/Principles of Biology Lab (BIOL 1XXXX/1XXXX Principles of Biology/Biology Lab)
- BIOL 107/107L Essentials of Human Anatomy & Physiology/Human Anatomy & Physiology Lab (BIOL 1XXXX/1XXXX Essentials of Human Anatomy & Physiology/Human Anatomy & Physiology Lab)
- BIOL 111/111L Anatomy & Physiology I/Anatomy & Physiology I Lab (BIOL 1XXXX/1XXXX Anatomy & Physiology I/Anat. & Phys. I Lab)
- CHEM 100/100L Elementary Chemistry/Elementary Chemistry Lab (CHM 1XXXX/1XXXX Elementary Chemistry/Elementary Chem Lab)
- CHEM 103/103L Introduction to Chemistry (CHM 1XXXX/1XXXX Intro to Chemistry/Intro to Chem Lab)
- CHEM 104 Consumer Science (CHM 1XXXX Consumer Science)
- CHEM 105/105L General Chemistry I/General Chemistry I Lab (CHM 1XXXX General Chemistry I/General Chemistry I Lab)
- PHYT 101 Technical Physics (PHYS 21400 The Nature of Physics)
- PHYS 105/105L General Physics I/General Physics Lab (PHYS 1XXXX/PHYS 1XXXX General Physics I/General Physics Lab I)

⁹Science Foundation Selective (*satisfies Science for core, 3 credits*)

GEOS 105 Geography of Indiana (EAPS 1XXXX Geography of Indiana)
FACS 206 Fundamentals of Nutrition (NUTR 30300 Essentials of Nutrition)
AGRI 103 Fundamentals of Horticulture (HORT 10200 Fundamentals of Horticulture)
GEOS 204 Oceanography (EAPS 10400 Oceanography)
GEOS 207 World Geography (EAPS 2XXXX World Geography)
GEOS 221 introduction to Weather and Climate (EAPS 2XXXX Intro to Weather and Climate)

¹⁰Behavioral/Social Science Foundational Selective (*satisfies Human Cultures Behavioral/Social Science for core, 3 credits*)

PSYC 101 Introduction to Psychology (PSY 12000 Elementary Psychology)
PSYC 142 General Psychology (PSY 12000 Elementary Psychology)
SOCL 151 Principles of Sociology (SOC 10000 Introductory Sociology)
SOCL 154 Cultural Anthropology (ANTH 10000 Introductory Anthropology)
ECON 100 Elements of Economics (ECON 21000 Principles of Economics)
ECON 201 Microeconomics (ECON 25100 Microeconomics)
ECON 202 Macroeconomics (ECON 25200 Macroeconomics)
POLS 111 American National Government (POL 10100 American Government)
POLS 211 Intro to World Politics (POL 13000 Intro to International Relations)
SOCL 252 Social Problems (SOC 22000 Social Problems)

¹¹Humanities Foundational Selective (*satisfies Human Cultures Humanities for core, 3 credits*)

ARTT 110 Art Appreciation (AD 25500 Art Appreciation)
ARTT 116 Drawing I (AD 11300 Basic Drawing)
ARTT 130 Art History I (AD 22700 History of Art to 1400)
ARTT 131 Art History II (AD 22700 History of Art since 1400)
ARTT 213 Ceramics I (AD 24200 Ceramics I)
ARTT 215 Sculpture I (AD 27500 Beginning Sculpture)
FACS 156 Marriage and the Family (CDFS 1XXXX Marriage and the Family)
GRM 101 German 1 (GER 10100 German Level I/GER 1XXXX German Level I)
PHIL 111 Intro to Philosophy (PHIL 11000 Intro to Philosophy)
PHIL 212 Intro to Ethics (PHIL 11100 Ethics)
SPAN 101 Spanish 1 (SPAN 10100 Spanish Level I/SPAN 1XXXX Spanish Level I)
THEA 100 Theatre Appreciation (THTR 20100 Theatre Appreciation)
HIST 139 American History I (HIST 15100 American History to 1877)
HIST 140 American History II (HIST 15200 US Since 1877)
LITR 227 Intro to World Fiction (ENGL 23800 Intro to Fiction)

¹²Foundation Selective (6 credits)

If all of the AS-Transfer courses aren't met as shown here, (http://catalog.vinu.edu/preview_program.php?catoid=23&poid=15324#universitycorecounselists), then students may need additional courses as a Purdue student. If all the Foundation requirements are met, then these Foundation Selectives will convert to Free Electives.

¹³Free Electives (2 credits)