

“C-“ or better required in all CNIT courses that are a prerequisite to CNIT course
Departmental/Program Major Courses (120 credits)

Computer and Information Technology Required Major Courses (51 credits)

***Bold** denotes Columbus location course offering.

- ____(3) CNIT 15501 Introduction to Software Development Concepts
- ____(3) CNIT 17600 Information Technology Architectures
- ____(3) CNIT 18000 Introduction to Systems Development (Gateway to CIT)
- ____(3) CNIT 24200 System Administration
- ____(3) CNIT 25501 Object-Oriented Programming Introduction
- ____(3) CNIT 27000 Cybersecurity Fundamentals
- ____(3) CNIT 27200 Database Fundamentals
- ____(3) CNIT 28000 Systems Analysis and Design Methods
- ____(3) CNIT 32000 Policy, Regulation, and Globalization in Information Technology
- ____(3) CNIT 37200 Database Programming or CNIT 39200 Enterprise Data Management
- ____(3) CNIT 48000 Managing Information Technology Projects
- ____(3) Programming Selective (CNIT 31500 Systems Programming **or** CNIT 32500 Object-Oriented Application Development)
- ____(15) Information Technology Selectives (any other CNIT **or** CGT 30000 level **or** higher courses, EPCS (3 credits) approved by CIT faculty)

Other Departmental /Program Course Requirements (66 credits)

- ____(3-4) ENGL 10600 English First Year Composition **or** ENGL 10800 Accelerated First-Year Composition **or** ENGL 10100 English Composition I **or** *(**ENG W131**) (*satisfies Written Communication for core*)
- ____(3) COM 11400 **or** SPCH S121 [IU] **or** *(**COMM R110**) Fundamentals of Speech Communication (*satisfies Oral Communication for core*)
- ____(3) TECH 12000 Design Thinking In Technology (*satisfies Information Literacy Selective for core*)
- ____(3) MA 16010 Applied Calculus I (*satisfies Quantitative Reasoning Selective for core*)
- ____(3) MA 16020 Applied Calculus II (*satisfies Quantitative Reasoning Selective for core*)
- ____(3) TLI 11200 Foundations of Organizational Leadership
- ____(3) Communications Selective (COM 21000, COM 21200, COM 31400, COM 31500, COM 31800, **COM 32000**, COM 32400) **or**
- ____(3) Economics Selective ([AGEC 21700 **or** ECON 21000], ECON 25100, ECON 25200, ***ECON E201**, ***ECON E202**)
- ____(3) Science Selective (*satisfies Science Selective for core*)
- ____(3) Lab Science Selective (*satisfies Science Selective for core*)
- ____(3) Accounting Selective **MGMT 20000** (Required for MGMT Minor), MGMT 20010 **or** *(**BUS A201**)
- ____(3) Statistics Selective (STAT 22500, **STAT 30100**, STAT 50100, STAT 51100)
- ____(3) Professional Speaking Selective (COM 31500, COM 32000, COM 32500, COM 41500, ***COMM C223**, ***COMM C325**, ***COMM C380**)
- ____(3) Professional Writing Selective (ENGL 42000, **ENGL 42100**) **or** *(**ENG W231**)
- ____(15) Interdisciplinary Selective (*see supplemental information*)
- ____(3) General Business Selective (**TLI 15200**, **TLI 11100**, BUS W100 [IU])
- ____(3) Humanities Selective (*satisfies Human Cultures Humanities for core*).
See approved list at: <http://www.purdue.edu/provost/initiatives/curriculum/course.html>
- ____(3) Behavioral/Social Science Foundational Selective (*satisfies Human Culture Behavioral/Social Science for core*).
See approved list at: <http://www.purdue.edu/provost/initiatives/curriculum/course.html>
- ____(0) IT Professional Experience Requirement
- ____(0) Globalization Requirement

Free Elective (3 credits) (*Any non-remedial course: see supplemental information*)

- ____(3) Any non-remedial course: *See <https://polytechnic.purdue.edu/sites/default/files/files/NoCreditCourses-2016.pdf>*

University Core Requirements

Human Cultures Humanities	<input type="checkbox"/>	_____	Science, Technology & Society Selective	<input type="checkbox"/>	TECH 12000
Human Cultures Behavioral/Social Science	<input type="checkbox"/>	_____	Written Communication	<input type="checkbox"/>	ENG W131
Information Literacy	<input type="checkbox"/>	TECH 12000	Oral Communication	<input type="checkbox"/>	COMM R110
Science Selective	<input type="checkbox"/>	_____	Quantitative Reasoning	<input type="checkbox"/>	MA 16010
Science Selective	<input type="checkbox"/>	_____	Quantitative Reasoning	<input type="checkbox"/>	MA 16020

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

Phone Number _____ Name _____

Email Address _____ ID _____

FIRST SEMESTER	SUB/EQ	CR	GR	SEM	SECOND SEMESTER	SUB/EQ	CR	GR	SEM
CNIT 18000 (Intro to Systems Development)		3			CNIT 15501 (Intro to Software Development Concepts)		3		
TLI11200 (Foundations of Org Leadership)		3			CNIT 17600 (Info Tech Architectures)		3		
ENGL 10600 or ENGL 10800 or ENGL 10100* (First Year Composition or Accelerated First Year Composition or English Composition I) ENG W131 (IUPUC)		3			COM 11400 (Fund of Speech Communication)* COMM R110 (IUPUC)		3		
MA 16010 (Applied Calculus I)* Pre-req: ALEKS Score of 75% or MA 15400 or MA 15800 with minimum grade of C-		3			MA 16020 (Applied Calculus II)* Pre-req: MA 16010 with minimum grade of C-		3		
TECH 12000 (Design Thinking in Technology) *Pre-req: COT Major		3			Business Selective ¹		3		
TOTAL CREDIT HOURS		15			TOTAL CREDIT HOURS		15		

THIRD SEMESTER	SUB/EQ	CR	GR	SEM	FOURTH SEMESTER	SUB/EQ	CR	GR	SEM
CNIT 25501 (Object-Oriented Programming-Introduction) Prereq: CNIT 15500 or 15501		3			CNIT 24200 (System Administration) Pre-req: CNIT 17600 and Classification 3+		3		
CNIT 27200 (Database Fundamentals) Pre-req: CNIT 15500 or 15501 & CNIT 18000 & Co-Rec CNIT 28000		3			CNIT 27000 (Cybersecurity Fundamentals) Pre-req: CNIT 15501 & 17600		3		
CNIT 28000 (Sys Analysis & Design Methods) Pre-req: CNIT 18000 & Co-Rec CNIT 27200		3			Communications Selective ²		3		
Economics Selective ³		3			Statistics Selective ⁶		3		
Science Selective* ⁴		3			Lab Science Selective* ⁷		3		
TOTAL CREDIT HOURS		15			TOTAL CREDIT HOURS		15		

FIFTH SEMESTER	SUB/EQ	CR	GR	SEM	SIXTH SEMESTER	SUB/EQ	CR	GR	SEM
Programming Selective (CNIT 31500 or CNIT 32500) Pre-req: CNIT 25500 or 25501		3			CNIT 37200 (Database Programming) Pre-req: CNIT 27200 or CNIT 39200 Pre-req: CNIT 27200 Enterprise Data Management		3		
CNIT 32000 (Policy, Regulation, and Globalization in IT) Pre-req: TECH 12000		3			Information Technology Selective ¹⁰		3		
Accounting Selective ⁵		3			Information Technology Selective ¹⁰		3		
Professional Speaking Selective ⁸		3			Professional Writing Selective ¹¹		3		
Interdisciplinary Selective ⁹		3			Interdisciplinary Selective ⁹		3		
TOTAL CREDIT HOURS		15			TOTAL CREDIT HOURS		15		

SEVENTH SEMESTER	SUB/EQ	CR	GR	SEM	EIGHTH SEMESTER	SUB/EQ	CR	GR	SEM
Free Elective ¹²		3			CNIT 48000 (Managing Info Tech Projects) Pre-req: CNIT 28000 & SR STANDING		3		
Interdisciplinary Selective ⁹		3			Information Technology Selective ¹⁰		3		
Information Technology Selective ¹⁰		3			Interdisciplinary Selective ⁹		3		
Information Technology Selective ¹⁰		3			Interdisciplinary Selective ⁹		3		
Humanities Foundational Selective* ¹³		3			Behavioral/Social Sciences Foundational Selective* ¹⁴		3		
TOTAL CREDIT HOURS		15			TOTAL CREDIT HOURS		15		

CO-CURRICULAR REQUIREMENTS	SUB/EQ	CR	GR	SEM		SUB/EQ	CR	GR	SEM
Professional IT Experience Requirement ¹⁵		0			Globalization Requirement ¹⁶		0		

120 Total

- *Fulfills University Core
- 1) Students must earn a C- or better in all CNIT courses that are a prerequisite to another CNIT course
- 2) 120 semester credits listed above are required for the CIT Bachelor of Science degree
- 3) 2.0 Graduation GPA required for Bachelor of Science degree
- 4) 2.0 Graduation GPA in all CNIT courses required for Bachelor of Science degree
- 5) ANY COURSE TAKEN AT PURDUE CAN BE ATTEMPTED NO MORE THAN THREE TIMES (INCLUSIVE OF W, WF, WN, I, and IF)
- 6) Courses in **BOLD** are essential for the CIT degree critical path to graduation.
- 7) 32 upper level credit hours (30000 level and above) must be taken at the Purdue University location conferring the degree.

The student is ultimately responsible for knowing and completing all degree requirements.

CIT SUPPLEMENTAL INFORMATION for COMPUTER & INFORMATION TECHNOLOGY MAJOR

All Prerequisites Must Be Met

Bold indicates courses offered at Columbus location.

*Indicates IUPUC course offering for Columbus location only.

See Student Services Coordinator for course availability.

¹BUSINESS SELECTIVE

TLI 15200 Business Principles for Organizational Leadership

TLI 11100 Gateway to Technology Leadership and Innovation

BUS W100 Principles of Business Administration (IU Statewide Locations)

³ECONOMICS SELECTIVE

AGEC 21700 Economics or ECON 21000 Principles of Economics

ECON 25100 Microeconomics

ECON 25200 Macroeconomics

*ECON E201 Introduction to Microeconomics

*ECON E202 Introduction to Macroeconomics

⁴SCIENCE SELECTIVE

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

⁷LAB SCIENCE SELECTIVE (must take at least 3 credits of Science Selective with a Lab Component)

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

The following courses are typically offered with a lab component:

*AST A105 Stars and Galaxies

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 13500 First year biology lab

BIOL 14501 First year biol lab with neuro res project

BIOL 14600 Introduction to Biology

BIOL 20300 Human Anatomy and Physiology

BIOL 20400 Human Anatomy and Physiology

BIOL 20500 Biology for Elementary Teachers

BIOL 20600 Biology for Elementary School Teachers

*BIOL K101 Concepts of Biology I

*BIOL K103 Concepts of Biology II

*BIOL N108 Plants, Animals, & Environment

BTNY 11000 Intro to Plant Science

CHM 11100 General Chemistry

*CHEM C101 + C121 Elementary Chemistry I

*CHEM C105 + C125 Principles of Chemistry I

CHM 11200 General Chemistry

CHM 11500 General Chemistry

CHM 11600 General Chemistry

CHM 12500 Introduction to Chemistry

CHM 12600 Introduction to Chemistry II

CHM 12901 General Chemistry with Biology focus

CHM 13600 General Chemistry Honors

CHM 20000 Fundamentals of chemistry

EAPS 10200 Earth Science for Elementary Education

EAPS 10900 The Dynamic Earth

EAPS 11100 Physical Geology

EAPS 11200 Earth Through Time

EAPS 24300 Earth Materials I

EAPS 24400 Earth Materials II

*GEOL G110 + G120 Physical Geology

ENTM 22810 Forensic Investigation

ENTM 22820 Forensic Analysis

HORT 10100 Fundamentals of Horticulture

PHYS 17200 Modern Mechanics

PHYS 21500 Physics for Elementary Education

PHYS 21800 General Physics I

PHYS 21900 General Physics II

PHYS 22000 General Physics

PHYS 22100 General Physics

*PHYS 25100 Heat, Electricity, & Optics

PHYS 27200 Electric and Magnetic Interactions

SLHS 30600 Introduction to Phonetics

⁵ACCOUNTING SELECTIVE

MGMT 20000 Introductory Accounting (Required for MGMT Minor)

MGMT 20010 Business Accounting

*BUS A201 Introduction to Financial Accounting

⁶STATISTICS SELECTIVE

STAT 22500 Introduction to Probability Models

STAT 30100 Elementary Statistical Methods

STAT 50100 Experimental Statistics I

STAT 51100 Statistical Methods

⁹Interdisciplinary Selectives (15 credits)

Any University recognized non-computing minor with at least 9 credits or a department approved set of related courses in which Information Technology can be applied.

see <http://www.admissions.purdue.edu/majors/minors.php>

¹⁰INFORMATION TECHNOLOGY SELECTIVE (15 credits)

Any non-required 30000 level or higher CNIT course or EPICS (EPCS): participation in EPICS requires CIT faculty approval; CGT courses 30000 level or higher

¹¹PROFESSIONAL WRITING SELECTIVE

ENGL 42000 Business Writing

ENGL 42100 Technical Writing

*ENG W231 Professional Writing Skills

¹²FREE ELECTIVE: Any non-remedial course: see <https://polytechnic.purdue.edu/sites/default/files/files/NoCreditCourses-2016.pdf>

¹³HUMANITIES FOUNDATIONAL SELECTIVE: see <http://www.purdue.edu/provost/initiatives/curriculum/course.html>

²COMMUNICATIONS SELECTIVE

COM 21000 Debating Public Issues

COM 21200 Approaches to the Study of Interpersonal Communication

COM 31400 Advanced Presentational Speaking

COM 31500 Speech Communication of Technical Information

COM 31800 Principles of Persuasion

COM 32000 Small Group Communication

COM 32400 Introduction to Organizational Communication

⁸Professional Speaking Selective

COM 31500 Speech Communication of Technical Information

COM 32000 Small Group Communication

COM 32500 Interviewing: Principles and Practice

COM 41500 Discussion of Technical Problems

*COMM R321 Persuasion

*COMM C322 Advanced Interpersonal Communication

*COMM C325 Interviewing Principles & Practice

*COMM C380 Organizational Communication

¹⁴**BEHAVIORAL/SOCIAL SCIENCES FOUNDATIONAL SELECTIVE:** see <http://www.purdue.edu/provost/initiatives/curriculum/course.html>

¹⁵**PROFESSIONAL IT EXPERIENCE REQUIREMENT**

Professional IT internship (six week minimum duration)

240 hours of IT employment

240 hours of documented volunteer IT work

Service Learning Course (EPCS, CNIT 39000, or Equivalent) with responsibility for an IT component (3 credit hours minimum)

¹⁶**GLOBALIZATION REQUIREMENT**

Complete any university-sponsored study abroad program lasting at least 7 days.

Complete an internship or approved international research project that involves at least 7 days of international travel.

Provide documentation of having lived/traveled outside home country for at least 15 days after a student's 12th birthday.

Earn credit in Level I and II courses (6 credit hours) in any one foreign language.

Earn six credit hours in foreign culture study.