

***Bold** denotes Columbus location only course offering

“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)

- ____(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) Composition Selective **ENG W131** (*satisfies Written Communication for core*)
- ____(3) Oral Communication Selective **COM 11400** (*satisfies Oral Communication for core*)
- ____(3) TECH 12000 Design Thinking In Technology (*satisfies Information Literacy & Science, Technology, and Society Selectives 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
- ____(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, **BUS A201**
- ____(3) Statistics Selective (STAT 22500, **STAT 30100**, STAT 50100, STAT 51100)
- ____(3) Professional Speaking Selective
- ____(3) Professional Writing Selective (ENGL 41900, **ENGL 42100**, ENGL 42400, **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-2017.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"/> | COM 11400 |
| 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 | | |
| CNIT 17600 (Info Tech Architectures) | | 3 | | | MA 16010 (Applied Calculus I)* Pre-req: ALEKS Score of 75% or MA 15400 or MA 15800 with minimum grade of C- | | 3 | | |
| Business Selective ⁹ | | 3 | | | Oral Communications Selective* ² | | 3 | | |
| Composition Selective* ¹ ENG W131 (Reading, Writing, & Inquiry I) | | 3 | | | Behavioral/Social Sciences | | 3 | | |
| TECH 12000 (Design Thinking in Technology) *Pre-req: Polytechnic Major | | 3 | | | TLI 11200 (Foundations of Org Leadership) | | 3 | | |
| TOTAL CREDIT HOURS | | 15 | | | TOTAL CREDIT HOURS | | 15 | | |

| THIRD SEMESTER | SUB/EQ | CR | GR | SEM | FOURTH SEMESTER | SUB/EQ | CR | GR | SEM |
|---|--------|-----------|----|-----|--|--------|-----------|----|-----|
| CNIT 27200 (Database Fundamentals) Pre-req: CNIT 15500 or 15501 & CNIT 18000 & Co-Rec CNIT 28000 | | 3 | | | CNIT 24200 (System Administration) Pre-req: CNIT 17600 and Classification 3+ | | 3 | | |
| CNIT 25501 (Object-Oriented Programming-Introduction) Prereq: CNIT 15500 or 15501 | | 3 | | | CNIT 28000 (Sys Analysis & Design Methods) Pre-req: CNIT 18000 & Co-Rec CNIT 27200 | | 3 | | |
| MA 16020 (Applied Calculus II)* Pre-req: MA 16010 w/ minimum grade C- | | 3 | | | CNIT 27000 (Cybersecurity Fundamentals) Pre-req: CNIT 15501 & 17600 | | 3 | | |
| Economics Selective ⁴ | | 3 | | | Statistics Selective ⁷ STAT 30100 Pre-req: ALEKS score 50 or MATH 11000 or 11100 | | 3 | | |
| Communications Selective ⁵ | | 3 | | | Free Elective ¹⁶ | | 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 | | |
| Information Technology Selective ¹² | | 3 | | | CNIT 32000 (Policy, Regulation, and Globalization in IT) Pre-req: TECH 12000 | | 3 | | |
| Accounting Selective ³ | | 3 | | | Information Technology Selective ¹² | | 3 | | |
| Professional Speaking Selective ⁶ | | 3 | | | Professional Writing Selective ⁸ | | 3 | | |
| Interdisciplinary Selective ¹⁵ | | 3 | | | Interdisciplinary Selective ¹⁵ | | 3 | | |
| TOTAL CREDIT HOURS | | 15 | | | TOTAL CREDIT HOURS | | 15 | | |

| SEVENTH SEMESTER | SUB/EQ | CR | GR | SEM | EIGHTH SEMESTER | SUB/EQ | CR | GR | SEM |
|--|--------|-----------|----|-----|---|--------|-----------|----|-----|
| Science Selective* ¹³ | | 3 | | | CNIT 48000 (Managing Info Tech Projects) Pre-req: CNIT 28000 & SR STANDING | | 3 | | |
| Interdisciplinary Selective ¹⁵ | | 3 | | | Information Technology Selective ¹² | | 3 | | |
| Information Technology Selective ¹² | | 3 | | | Interdisciplinary Selective ¹⁵ | | 3 | | |
| Information Technology Selective ¹² | | 3 | | | Interdisciplinary Selective ¹⁵ | | 3 | | |
| Humanities Foundational Selective* ¹⁰ | | 3 | | | Lab Science Selective* ¹⁴ Foundational Selective* ¹¹ | | 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 ¹⁷ | | 0 | | | Globalization Requirement ¹⁸ | | 0 | | |

*Fulfills University Core

120 Total

- 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

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

SEE REVERSE FOR CIT SUPPLEMENTAL INFORMATION

CIT SUPPLEMENTAL INFORMATION for COMPUTER & INFORMATION TECHNOLOGY MAJOR

All Prerequisites Must Be Met

Bold denotes Columbus location course offering

*Indicates IUPUC course offering for Columbus location only.

See Student Services Coordinator for course availability.

¹COMPOSITION SELECTIVE

SCLA 10100 Transformative Texts, Critical Thinking & Communication I
ENGL 10100 English Composition I
ENGL 10600 First Year Composition
ENGL 10800 Accelerated First Year Composition
***ENG W131 Reading, Writing, & Inquiry I**

³ACCOUNTING SELECTIVE

MGMT 20000 Introductory Accounting (Required for MGMT Minor)
MGMT 20010 Business Accounting
***BUS A201 Introduction to Financial Accounting**

⁵COMMUNICATIONS SELECTIVE

COM 25100 Communication, Information, and Society
COM 22400 Communicating in the Global Workplace
COM 21000 Debating Public Issues
COM 21200 Approaches to the Study of Interpersonal Communication
COM 30400 Intercultural Communications
COM 31800 Principles of Persuasion
COM 32400 Introduction to Organizational Communication
***COM C223 Business & Professional Communication**
***COM R321 Persuasion**
***COMM C380 Organizational Communication**
***COM C322 Advanced Interpersonal Communication**

⁸PROFESSIONAL WRITING SELECTIVE

ENGL 41900 Multimedia Writing
ENGL 42100 Technical Writing
ENGL 42400 Writing for High Technology Industries
***ENG W231 Professional Writing Skills**

¹⁰**HUMANITIES FOUNDATIONAL SELECTIVE:** see <http://www.purdue.edu/provost/initiatives/curriculum/course.html>

¹¹**BEHAVIORAL/SOCIAL SCIENCES FOUNDATIONAL SELECTIVE:** see <http://www.purdue.edu/provost/initiatives/curriculum/course.html>

¹²INFORMATION 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
At least nine credits must be CNIT courses

¹³SCIENCE SELECTIVE

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

The following courses are typically offered as non-lab:

| | |
|--|---|
| *ANTH A103 Human Origins & Prehistory | *CHEM C101 Elementary Chemistry I |
| *AST A100 The Solar System | *CHEM C105 Principles of Chemistry I |
| *AST A105 Stars and Galaxies | *CHEM C106 Principles of Chemistry II |
| *BIOL N100 Contemporary Biology | *GEOL G109 Fundamentals of Earth History |
| *BIOL N212 Human Biology | *GEOL G110 Physical Geology |

¹⁴LAB 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:

| | | |
|---|--|---|
| ASTR 26300 Descriptive Astronomy: The Solar System | CHM 11500 General Chemistry | ENTM 22810 Forensic Investigation |
| ASTR 26400 Descriptive Astronomy: Stars and Galaxies | CHM 11600 General Chemistry | ENTM 22820 Forensic Analysis |
| BIOL 11000 Fundamentals of Biology I | CHM 12500 Introduction to Chemistry | *GEOL G110 + G120 Physical Geology + Lab |
| BIOL 11100 Fundamentals of Biology II | CHM 12600 Introduction to Chemistry II | HORT 10100 Fundamentals of Horticulture |
| BIOL 13500 First year biology lab | CHM 12901 General Chemistry with Biology focus | PHYS 17200 Modern Mechanics |
| BIOL 14501 First year biol lab with neuro res project | CHM 13600 General Chemistry Honors | PHYS 21500 Physics for Elementary Education |
| BIOL 14600 Introduction to Biology | CHM 20000 Fundamentals of chemistry | PHYS 21800 General Physics I |
| BIOL 20300 Human Anatomy and Physiology | *CHEM C101 + C121 Elementary Chem I + Lab | PHYS 21900 General Physics II |
| BIOL 20400 Human Anatomy and Physiology | *CHEM C105 + C125 Principles of Chem I + Lab | PHYS 22000 General Physics |
| *BIOL K101 Concepts of Biology | *CHEM C106 + C126 Principles of Chem II + Lab | PHYS 22100 General Physics |
| *BIOL K103 Concepts of Biology II | EAPS 10200 Earth Science for Elementary Education | PHYS 27200 Electric and Magnetic Interactions |
| *BIOL N108 Plants, Animals, & Environment | EAPS 10900 The Dynamic Earth | *PHYS 15200 Mechanics |
| *BIOL N212 + N213 Human Biology + Lab | EAPS 11100 Physical Geology | *PHYS 21800 General Physics I |
| BTNY 11000 Intro to Plant Science | EAPS 11200 Earth Through Time | *PHYS 21900 General Physics II |
| CHM 11100 General Chemistry | EAPS 24300 Earth Materials I | SLHS 30600 Introduction to Phonetics |
| CHM 11200 General Chemistry | EAPS 24400 Earth Materials II | |

²ORAL COMMUNICATIONS SELECTIVE

SCLA 10200 Transformative Texts, Critical Thinking & Communication II
COM 11400 Fundamentals of Speech Communication
***COMM R110 Fundamentals of Speech Communication**

⁴ECONOMICS 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**

⁶PROFESSIONAL SPEAKING SELECTIVE

COM 31500 Speech Communication of Technical Information
COM 41500 Discussion of Technical Problems
COM 32000 Small Group Communication
***COMM C394 Communication and Conflict**
***COMM C316 Human Communication and the Internet**
***COMM C325 Interviewing Principles & Practice**

⁷STATISTICS SELECTIVE

STAT 22500 Introduction to Probability Models
STAT 30100 Elementary Statistical Methods
STAT 50100 Experimental Statistics I
STAT 51100 Statistical Methods

⁹BUSINESS SELECTIVE

TLI 15200 Business Principles for Organizational Leadership
TLI 11100 Introduction to Manufacturing and Supply Chain Systems
BUS W100 Principles of Business Administration (IU Statewide Locations)

¹⁵**Interdisciplinary 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>

¹⁶**FREE ELECTIVE:** Any non-remedial course: see <https://polytechnic.purdue.edu/sites/default/files/files/NoCreditCourses-2017.pdf>

¹⁷**PROFESSIONAL IT EXPERIENCE REQUIREMENT" (Complete one of the following options)**

- 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)

*A three page reflection paper on what you learned from your experience is required for all options – submit to CIT-Prof-IT@purdue.edu

¹⁸**GLOBALIZATION REQUIREMENT**

Complete one of the following options:

- Participate in a Purdue University international capstone or collaborative project*
- Participate in an international internship (international location)*
- Participate in a faculty-led study abroad program*
- Participate in a full semester abroad program*
- Earn three credit hours in a global culture course:

*Options require a three page reflection paper on what you learned from your experience – submit to CIT-Global@purdue.edu

Global/Cultural Course Options:

| | | | |
|------------------|--|-------------------|---|
| AAS 27100 | Intro to African American Studies | HIST 33805 | History of Human Rights |
| AAS 37300 | Variable Title: History of Injustice | HIST 35000 | Science and Society in the 20th-Century World |
| AGR 20100 | Communication Across Cultures | HIST 36600 | Hispanic Heritage of the USA |
| ANSC 38100 | Leadership for a Diverse workplace | HIST 37700 | History & Culture of Native America |
| ANTH 20300 | Biological Bases of Human Social Behavior | HIST 46900 | Black Civil Rights Movement |
| ANTH 20500 | Human cultural Diversity | HIST 47900 | American Representations of Middle East & North Africa |
| ANTH 21000 | Technology and Culture | HIST 49900 | History of Sexual Regulation in the United States |
| ANTH 21200 | Culture, Food and Health | HTM 37000 | Sustainable Tourism and Responsible Travel |
| ANTH 23000 | Gender Across Cultures | HTM 37200: | Global Tourism Geography |
| ANTH 34000 | Global Perspectives on Health | MSL 20100 | Individual Leadership Studies |
| ANTH 34100 | Culture and Personality | OLS 35000 | Creativity In Business & Industry |
| ANTH 37900 | Native American Cultures | PHIL 11400 | Global Moral Issues |
| ARAB 28000 | Arabic culture | PHIL 43500 | Philosophy of Mind |
| ASAM 24000 | Intro to Asian American Studies | POL 22200 | Women, Politics & Public Policy |
| AT 23300 | Ethics and Aviation | POL 23500 | Rich and Poor Nations |
| COM 22400 | Communicating in the Global Workplace | POL 32600 | Black Political Participation in America |
| COM 30300 | Intercultural Communication | POL 32700 | Global Green Politics |
| COM 32000 | Small Group Communication | POL 36000 | Women and the Law |
| COM 37300 | Self-Presentation & Social Image | POL 41300 | The Human Basis of Politics |
| COM 38000 | Sociolinguistic Study of African American English | POL 42300 | International Environmental Policy |
| COM 38000 | Sociolinguistic Study of African American English | POL 42900 | Variable Title: It's a Complex World (Cross listed with IE49000, ME29700) |
| COM 41200 | Theories of Human interaction | POL 43300 | International Organization |
| COM 42300 | Leadership, Communication & Organizations | PSY 25000 | Psychology of Adjustment |
| ECET 29000 | International Experience | PSY 25100 | Health Psychology |
| ECET 38001 | Global Professional Issues in ET | PSY 28500 | Consumer Behavior |
| EDPS 23500 | Learning and Motivation | PSY 32200 | Research Design |
| EDPS 30000 | Student Leadership Development | SOC 10000 | Intro to Sociology |
| EDPS 30100 | Peer Counselling Training | SOC R100 | Intro to Sociology |
| EDPS 31500 | Collaborative Leadership: Listening | SOC 31000 | Racial and Ethnic Diversity |
| EDPS 31600 | Collaborative Leadership: Cross-cultural Settings | SOC 33900 | Introduction to Sociology of Developing Nations |
| EDPS 31700 | Collaborative Leadership: Mentoring | Tech 33000 | Technology and the Global Society |
| ENGL 41400 | Literature & Culture | WGSS 28200 | Intro to LGBT Studies |
| HDFS 23300 | Stress and Human Health | WGSS 38000 | Gender and Multiculturalism |
| HDFS 28000 | Diversity in Individual and Family Life | WGSS 38300 | Women and Work |
| HDFS 33200 | Stress & Coping in Contemporary Families | | |
| HEBR 38500 | The Holocaust in Modern Hebrew Literature | | |
| HIST 19500 | Historical Research & Film! | | |
| HIST 30000 | Eve of Destruction: Global Crises and World Organization in the 20th Century | | |

Any foreign language 200 or higher (201, 202, 301, 302, 401, 402)