“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 (52 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
(4) CNIT 38000 Advanced Analysis & Design
(3) 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)
(3) CGT 25600 Principles Of User Experience Design
(3) CNIT 38301 Packaged Application Software Solutions, CNIT 40500 Software Development Methodologies, or CNIT 38501 Architecture of IT Solutions
(3) Information Technology Selective (Any CNIT or CGT 30000 level or higher courses, EPCS (3 credits) approved by CIT faculty)

Other Departmental/Program Course Requirements (68 credits)

________________________________________________________
(3-4) ENGL 10600 English First Year Composition or ENGL 10800 Accelerated First-Year Composition or ENGL 10100
(3) English Composition I or ENGL W13100 (IUPUI) (satisfies Written Communication for core)
(3) COM 11400 Fundamentals of Speech Communication (satisfies Oral Communication for core)
(3) PHIL 15000 Principles of Logic
(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)
(3) Economics Selective ([AGEC 21700 or ECON 21000], ECON 25100, ECON 25200)
(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
(3) Statistics Selective (STAT 22500, STAT 30100, STAT 50100, STAT 51100)
(3) Professional Speaking Selective (COM 31500, COM 32000, COM 32500, COM 41500)
(3) Professional Writing Selective (ENGL 42000, ENGL 42100)
(14) Interdisciplinary Selective (see supplemental information)
(3) General Business Selective (TLI 11100, TLI 15200)
(3) Humanities Selective (satisfies Human Cultures Humanities for core).
See approved list at: http://www.purdue.edu/provost/initiatives/curriculum/course.html
(0) 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

University Core Requirements

<table>
<thead>
<tr>
<th>Human Cultures Humanities</th>
<th>UCC Selective</th>
<th>Science, Technology &amp; Society Selective</th>
<th>TECH 12000</th>
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<td>Human Cultures Behavioral/Social Science</td>
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The student is ultimately responsible for knowing and completing all degree requirements
myPurduePlan is the knowledge source for all specific degree requirements

****************************************************************************************************************************
###有效的学年2016

**CIT-BS系统分析与设计专业**

**Email Address**_________________________________________
**Phone Number**__________________________________________

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<th>FIRST SEMESTER</th>
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<td>CNIT 18000 (Intro to Systems Development)</td>
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<td>CNIT 15501 (Intro to Software Development Concepts)</td>
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<td>TU111200 (Foundations of Org Leadership)</td>
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<td>PHIL 15000 (Principles of Logic)</td>
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**CO-CURRICULAR REQUIREMENTS**

| Professional IT Experience Requirement\(^7\) | 0 |  |  |  | Globalization Requirement\(^8\) | 0 |  |  |  |

\(^n\)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.

-----------------------------------------------------------------------------------

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

SEE REVERSE FOR CIT SUPPLEMENTAL INFORMATION
CIT SUPPLEMENTAL INFORMATION for SYSTEMS ANALYSIS AND DESIGN MAJOR
All Prerequisites Must Be Met

1BUSINESS SELECTIVE
TLI 15200 Business Principles for Organizational Leadership
TLI 11100 Gateway to Technology Leadership and Innovation
IT 10400 Industrial Organization

2COMMUNICATIONS SELECTIVE
COM 21000 Debating Public Issues
COM 21200 Approaches to the Study of Interpersonal Communication
COM 31400 Advanced Presentational Speaking

3ECONOMICS SELECTIVE
AGEC 21700 Economics or ECON 21000 Principles of Economics
ECON 25100 Microeconomics
ECON 25200 Macroeconomics

4SCIENCES SELECTIVE
See approved list at: http://www.purdue.edu/provost/initiatives/curriculum/course.html

5LAB 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
- 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 biology 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
- BTNY 11000 Intro to Plant Science
- CHM 11100 General Chemistry
- CHM 11200 General Chemistry
- CHM 11500 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
- CHM 12901 General Chemistry with Biology focus
- CHM 12500 Introduction to Chemistry
- CHM 12600 Introduction to Chemistry II
- CHMS 10900 The Dynamic Earth
- EAPS 10200 Earth Science for Elementary Education
- EAPS 11200 Earth Through Time
- EAPS 24300 Earth Materials I
- EAPS 24400 Earth Materials II
- ENTM 22810 Forensic Investigation
- ENTM 22820 Forensic Analysis
- HORT 21800 General Botany
- HORT 27200 Electric and Magnetic Interactions
- 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 22500 Modern Mechanics
- PHYS 22600 Modern Physics
- PHYS 27200 Electric and Magnetic Interactions
- PHYS 31000 Classical Mechanics
- PHYS 32000 Modern Mechanics
- PHYS 33000 Quantum Mechanics
- PHYS 34000 Modern Physics

6ACCOUNTING SELECTIVE
MGMT 20000 Introductory Accounting (Required for MGMT Minor)
MGMT 20010 Business Accounting

7STATISTICS SELECTIVE
STAT 22500 Introduction to Probability Models
STAT 30100 Elementary Statistical Methods
STAT 50100 Experimental Statistics I
STAT 51100 Statistical Methods

8INTERDISCIPLINARY SELECTIVES (14 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.

http://www.admissions.purdue.edu/majors/minors.php

9INFORMATION TECHNOLOGY SELECTIVE (3 credits)
Any non-required 3000 level or higher CNIT course or EPICS (EPCS): participation in EPICS requires CIT faculty approval; CGT courses 3000 level or higher

10PROFESSIONAL WRITING SELECTIVE
ENGL 42000 Business Writing
ENGL 42100 Technical Writing

11HUMANITIES FOUNDATIONAL SELECTIVE: see http://www.purdue.edu/provost/initiatives/curriculum/course.html

12BEHAVIORAL/SOCIAL SCIENCES FOUNDATIONAL SELECTIVE: see http://www.purdue.edu/provost/initiatives/curriculum/course.html

13PROFESSIONAL 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)

14GLOBALIZATION 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