

“C-“or better required in all CNIT courses that are a prerequisite to CNIT course

Departmental/Program Major Courses (122 credits)

Computer and Information Technology Major Courses (45 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 24000 Data Communications and Networking
- ____(3) CNIT 24200 System Administration
- ____(3) CNIT 25501 Object-Oriented Programming Introduction
- ____(3) CNIT 27200 Database Fundamentals
- ____(3) CNIT 28000 Systems Analysis and Design Methods
- ____(3) CNIT 31500 Systems Programming
- ____(3) CNIT 34000 UNIX Administration
- ____(3) CNIT 34200 Advanced System and Network Administration
- ____(3) CNIT 34600 Wireless Local Area Networks
- ____(3) CNIT 48000 Managing Information Technology Projects
- ____(6) Information Systems Selectives (any other CNIT **or** CGT 30000 level **or** higher courses, EPCS (3 credits) approved by CIT faculty)

Major Cognate Requirements (6 credits)

- ____(6) CNIT 34500 Internetwork Design And Implementation **and** CNIT 45500 Enterprise Application Development: **(Required for NET concentration)**

Other Departmental /Program Course Requirements (71 credits)

- ____(3) ENGL 10600 English First Year Composition **or** ENGL 10800 Accelerated First-Year Composition (*satisfies Written Communication for core*)
- ____(3) COM 11400 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) OLS 25200 Human Relations in Organizations
- ____(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)
- ____(4) PHYS 21800 **or** PHYS 22000 (*satisfies Science Selective for core*)
- ____(4) PHYS 21900 **or** PHYS 22100 (*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)
- ____(3) Global and Professional Issues Selective (CNIT 32000)
- ____(8) Interdisciplinary Selective (*see supplemental information*)
- ____(3) General Business Selective (IT 10400)
- ____(3) Interdisciplinary Selective (ECET 22400)
- ____(4) Interdisciplinary Selective (ECET 37400)
- ____(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>*

University Core Requirements

Human Cultures Humanities	<input type="checkbox"/> <u>UCC Selective</u>	Science, Technology & Society Selective	<input type="checkbox"/> <u>TECH 12000</u>
Human Cultures Behavioral/Social Science	<input type="checkbox"/> <u>UCC Selective</u>	Written Communication	<input type="checkbox"/> <u>ENGL 10600/10800</u>
Information Literacy	<input type="checkbox"/> <u>TECH 12000</u>	Oral Communication	<input type="checkbox"/> <u>COM 11400</u>
Science Selective	<input type="checkbox"/> <u>PHYS 21800 or PHYS 22000</u>	Quantitative Reasoning	<input type="checkbox"/> <u>MA 16010</u>
Science Selective	<input type="checkbox"/> <u>PHYS 21900 or PHYS 22100</u>	Quantitative Reasoning	<input type="checkbox"/> <u>MA 16020</u>

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

Phone Number _____ Name _____

Email Address _____ ID _____

FIRST SEMESTER	EQUIV	CR	GR	SEM	SECOND SEMESTER	EQUIV	CR	GR	SEM
CNIT 18000 (Intro to Systems Development) Prereq: PC Literacy		3			CNIT 15501 (Intro to Software Development Concepts) Prereq: PC Literacy		3		
ENGL 10600 or ENGL 10800* (First Year Composition or Accelerated First Year Composition)		3-4			CNIT 17600 (Info Tech Architectures)		3		
IT 10400 (Industrial Organization) Business Selective		3			COM 11400 (Fund of Speech Communication)*		3		
MA 16010 (Applied Calculus I)* Prereq: ALEKS Score of 75% or MA 15400 or MA 15800 with minimum grade of C-		3			MA 16020 (Applied Calculus II)* Prereq: MA 16010 with grade C- or better		3		
TECH 12000 (Design Thinking in Technology) * Prereq: COT Major		3			OLS 25200 (Human Relations in Organizations)		3		
TOTAL CREDIT HOURS		15			TOTAL CREDIT HOURS		15		

THIRD SEMESTER	EQUIV	CR	GR	SEM	FOURTH SEMESTER	EQUIV	CR	GR	SEM
CNIT 25501 (Object-Oriented Programming Introduction) Prereq: CNIT 15500 or 15501		3			CNIT 24200 (System Administration) Prereq: CNIT 17600 and Classification 3+		3		
CNIT 27200 (Database Fundamentals) Prereq: CNIT 15500 or 15501 & CNIT 18000		3			CNIT 28000 (Systems Analysis & Design Methods) Prereq: CNIT 18000 & CNIT 27200		3		
CNIT 24000 (Data Communications & Networking) Prereq: Sophomore Standing		3			ECET 22400 Electronic Systems Prereq: MA 15300, 22100 or 22300 or 16010		3		
Accounting Selective ³		3			Statistics Selective ⁴		3		
PHYS 21800 OR PHYS 22000*		4			PHYS 21900 OR PHYS 22100*		4		
TOTAL CREDIT HOURS		16			TOTAL CREDIT HOURS		16		

FIFTH SEMESTER	EQUIV	CR	GR	SEM	SIXTH SEMESTER	EQUIV	CR	GR	SEM
CNIT 34000 (UNIX Administration) Prereqs: CNIT 24200		3			CNIT 34200 (Advanced System and Network Admin) Prereqs: CNIT 34000		3		
CNIT 34500 (Internetwork Design & Implemen) Prereqs: CNIT 24000 & 24200 & Concurrent: ECET 37400		3			CNIT 34600 (Wireless Local Area Networks) Prereqs: CNIT 24000 & 24200		3		
ECET 37400 (Digital Communications) Prereqs: CNIT 24000, MA 16020 or 22400, PHYS 21900 OR 22100 AND ECET 22400		4			Professional Writing Selective ⁸		3		
Professional Speaking Selective ⁵		3			Interdisciplinary Selective ⁶		3		
Economics Selective ²		3			Global and Professional Issues Selective ⁹		3		
TOTAL CREDIT HOURS		16			TOTAL CREDIT HOURS		15		

SEVENTH SEMESTER	EQUIV	CR	GR	SEM	EIGHTH SEMESTER	EQUIV	CR	GR	SEM
CNIT 45500 (Network Security)		3			CNIT 48000 (Managing Info Tech Projects) Prereq: CNIT 28000 & SR STANDING		3		
CNIT 31500 (Systems Programming) Prereq: CNIT 25500 or 25501		3			Information Systems Selective ⁷		3		
Communications Selective ¹		3			Interdisciplinary Selective ⁶		3		
Information Systems Selective ⁷		3			Interdisciplinary Selective ⁶		2-3		
Humanities Foundational Selective* ¹⁰		3			Behavioral/Social Sciences Foundational Selective* ¹¹		3		
TOTAL CREDIT HOURS		15			TOTAL CREDIT HOURS		14		

*Fulfills University Core

122 Total

- 1) Students must earn a C- or better in all CNIT courses that are a prerequisite to CNIT courses.
- 2) 122 semester credits listed above are required for the CIT Bachelor of Science degree with a NET concentration.
- 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) CNIT COURSES MAY BE TAKEN NO MORE THAN THREE TIMES (INCLUSIVE OF W, WF or WN and I GRADES): STUDENTS NOT FULFILLING THIS POLICY MUST WITHDRAW FROM THE PROGRAM.
- 6) ANY COURSE TAKEN AT PURDUE CAN BE ATTEMPTED NO MORE THAN THREE TIMES (INCLUSIVE OF W, WF, WN, I and IF).

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

CIT SUPPLEMENTAL INFORMATION for NET CONCENTRATION
All prerequisites Must Be Met

¹COMMUNICATIONS 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

²ECONOMICS SELECTIVE

AGEC 21700 Economics or ECON 21000 Principles of Economics, ECON 25100 Microeconomics, ECON 25200 Macroeconomics

³ACCOUNTING SELECTIVE

MGMT 20000 Introductory Accounting (Required for MGMT Minor)
MGMT 20010 Business Accounting

⁴STATISTICS SELECTIVE

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

⁵Professional 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

⁶Interdisciplinary Selectives (8 credits REMAINING)

Any University recognized minor with at least 8 credits will fulfill this requirement. Several minors have courses that will fulfill both CIT degree requirements and the minor. http://www.purdue.edu/advisors/courses_majors/minors.html

COM 32400 Introduction to Organizational Communication
ENTR 20000 Introduction to Entrepreneurship and Innovation
ENTR 31000 Marketing and Management for New Ventures
IET 45100 Monetary Analysis for Industrial Decisions
IT 34200 Introduction to Statistical Quality
IT 34500 Automatic Identification and Data Capture
IT 45000 Production Cost Analysis

MET 45100 Manufacturing Quality Control
MFET 24300 Automated Manufacturing I
MFET 40000 Computer Integrated Manufacturing
MFET 45100 Manufacturing Quality Control
MGMT 20100 Management Accounting I
MGMT 30400 Introduction to Financial Management
MGMT 32300 Introduction to Market Analysis
MGMT 44301 Management of Human Resources
MGMT 45500 Legal Background for Business I
OLS 37500 Training Methods

OLS 37600 Human Resource Issues
OLS 38600 Leadership for Organizational Change & Innovation
OLS 47700 Conflict Management
OLS 48400 Leadership Strategies for Quality and Productivity
PSY 27200 Introduction to Industrial Organizational Psychology

⁷INFORMATION SYSTEMS SELECTIVE

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

⁸PROFESSIONAL WRITING SELECTIVE

ENGL 42000 Business Writing or ENGL 42100 Technical Writing

⁹GLOBAL AND PROFESSIONAL ISSUES SELECTIVE

CNIT 32000 Policy, Regulation, and Globalization in IT

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

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