

**“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 (42 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 27200 Database Fundamentals
- ____(3) CNIT 28000 Systems Analysis and Design Methods
- ____(3) CNIT 48000 Managing Information Technology Projects
- ____(3) Programming Selective (CNIT 31500 Systems Programming **or** CNIT 32500 Object-Oriented Application Development)
- ____(15) Information Systems Selectives (any other CNIT **or** CGT 30000 level **or** higher courses, EPCS (3 credits) approved by CIT faculty)

Major Cognate Selectives - Select 1 of the following options (6 credits)

- ____(6-7) (CNIT 37200 Database Programming or CNIT 39200 Enterprise Data Management) **and** CNIT 38000 Advanced Analysis and Design: **(Required for SA&D concentration)**
- ____(6) CNIT 34500 Internetwork Design And Implementation **and** CNIT 45500 Enterprise Application Development: **(Required for NET concentration)**

Other Departmental /Program Course Requirements (69 credits)

- ____(3) ENGL 10600 English First Year Composition **or** ENGL 10800 Accelerated First-Year Composition
- ____(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)
- ____(3) Science Selective (*satisfies Science Selective for core*)
- ____(3) Science Lab 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)
- ____(3) Global and Professional Issues Selective (CNIT 32000) (TECH 33000)
- ____(15) Interdisciplinary Selective (*see supplemental information*)
- ____(3) General Business Selective (IT 10400)
- ____(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>*

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

- ____(3) See <https://tech.purdue.edu/sites/default/files/files/RemedialCourseList-2014.pdf>

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>UCC Selective</u>	Quantitative Reasoning	<input type="checkbox"/> <u>MA 16010</u>
Science Selective	<input type="checkbox"/> <u>UCC Selective</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	SUB/EQUIV	CR	GR	SEM	SECOND SEMESTER	SUB/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			CNIT 17600 (Info Tech Architectures)		3		
COM 11400 (Fund of Speech Communication)		3			IT 10400 (Industrial Organization) Business Selective		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 minimum grade of C-		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	SUB/EQUIV	CR	GR	SEM	FOURTH SEMESTER	SUB/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		
Communications Selective ¹		3			Accounting Selective ⁴		3		
Economics Selective ²		3			Statistics Selective ⁵		3		
Science Selective* ³		3			Lab Science Selective* ⁶		3-5		
TOTAL CREDIT HOURS		15			TOTAL CREDIT HOURS		15/17		

FIFTH SEMESTER	SUB/EQUIV	CR	GR	SEM	SIXTH SEMESTER	SUB/EQUIV	CR	GR	SEM
Information Systems Selective ¹⁰		3			CIT Cognate Selective ⁷		3		
CIT Cognate Selective ⁷		3-4			Information Systems Selective ¹⁰		3		
Programming Selective (CNIT 31500 or CNIT 32500) Prereq: CNIT 25500 or 25501		3			Professional Writing Selective ¹¹		3		
Professional Speaking Selective ⁸		3			Interdisciplinary Selective ⁹		3		
Interdisciplinary Selective ⁹		3			Global and Professional Issues Selective ¹² TECH 32000		3		
TOTAL CREDIT HOURS		15			TOTAL CREDIT HOURS		15		

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

*Fulfills University Core

120 Total

- 1) Students must earn a C- or better in all CNIT courses that are a prerequisite to CNIT courses.
- 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) CNIT COURSES MAY BE TAKEN NO MORE THAN THREE TIMES (INCLUSIVE OF W, WF or WN, I AND IF 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.**

SEE REVERSE FOR CIT SUPPLEMENTAL INFORMATION

CIT SUPPLEMENTAL INFORMATION

All Prerequisites Must Be Met

**Bold indicates courses offered at Anderson Campus.
See Student Services Coordinator for course availability.**

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

³SCIENCE SELECTIVE & ⁶LAB 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> and check schedule of classes to ensure the course is being offered with a lab component. The

following courses are typically offered with a lab component:

BIOL 11000 Fundamentals of Biology I*

BIOL 11100 Fundamentals of Biology II*

BIOL 13500 First Year Biology Laboratory*

BIOL 14501 First Year Biology Laboratory with Neuro Research Project*

BIOL 14502 First Year Biology Laboratory with Micro Research 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 Teachers*

BTNY 11000 Introduction to Plant Science*

CHM 11100 General Chemistry*

CHM 11200 General Chemistry*

CHM 11500 General Chemistry*

CHM 11600 General Chemistry*

CHM 12500 Introduction to Chemistry I*

CHM 12600 Introduction to Chemistry II*

CHM 13600 General Chemistry Honors*

CHM 20000 Fundamentals of Chemistry*

CHM 12901 General Chemistry with Biological Focus*

EAPS 10000 Planet Earth*

EAPS 10200 Earth Science for Elementary Education*

EAPS 10900 The Dynamic Earth*

HORT 10100 Fundamentals of Horticulture*

PHYS 17200 Modern Mechanics*

PHYS 21800 General Physics*

PHYS 21900 General Physics II*

PHYS 22000 General Physics*

PHYS 22100 General Physics*

PHYS 27200 Electric and Magnetic Interactions*

⁴ACCOUNTING SELECTIVE

MGMT 20000 Introductory Accounting (Required for MGMT Minor)

MGMT 20010 Business Accounting

⁵STATISTICS SELECTIVE

STAT 22500 Introduction to Probability Models

STAT 30100 Elementary Statistical Methods

STAT 50100 Experimental Statistics I

STAT 51100 Statistical Methods

⁷CIT COGNATE SELECTIVE OPTIONS (6-7 CREDITS):

OPTION 1:

CNIT 37200 Database Programming (prereq CNIT 27200) or CNIT 39200 (prereq CNIT 27200) Enterprise Data Management and

CNIT 38000 Advanced Analysis and Design (prereq CNIT 28000)

OPTION 2: (Required for NET concentration)

CNIT 34500 Internetwork Design and Implementation (prereqs CNIT 24000 & 24200 & concurrent prereq ECET 37400) and

CNIT 45500 Network Security (prereqs CNIT 34200 & CNIT 34500)

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

⁹Interdisciplinary Selectives (15 credits)

Any University recognized minor with at least 15 credits will fulfill this requirement.

http://www.purdue.edu/advisors/courses_majors/minors.html

COM 32400 Introduction to Organizational Communication

ECET 22400 Electronic Systems

ECET 37400 Digital Telecommunications

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

¹⁰INFORMATION 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

¹¹PROFESSIONAL WRITING SELECTIVE

ENGL 42000 Business Writing or ENGL 42100 Technical Writing

¹²GLOBAL AND PROFESSIONAL ISSUES SELECTIVE

CNIT 32000 Policy, Regulation, and Globalization in IT

TECH 33000

¹³**FREE ELECTIVE:** Any non-remedial course: see <https://tech.purdue.edu/sites/default/files/files/NoCreditCourses-2014.pdf>

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

¹⁵**BEHAVIORAL/SOCIAL SCIENCES FOUNDATIONAL SELECTIVE:** see <http://www.purdue.edu/provost/initiatives/curriculum/course.html>