PURDUE
UNIVERSITY

Computer and Information Technology (CIT) **Network Engineering Major**
Purdue Polytechnic Institute – Effective Fall 2015

TCIT-BS NENT
120 CREDITS FOR GRADUATION

"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 Major Courses (57 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 32000 Policy, Regulation, and Globalization in Information Technology
- _____(3) CNIT 34000 UNIX Administration
- _____(4) CNIT 34200 Advanced System and Network Administration
- _____(4) CNIT 34500 Internetwork Design And Implementation
- _____(4) CNIT 34600 Wireless Local Area Networks
- _____(3) CNIT 45500 Network Security
- _____(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)

Other Departmental /Program Course Requirements (63 credits)

- _____(3) ENGL 10600 English First Year Composition **or** ENGL 10800 Accelerated First-Year Composition **or** ENGL 10100 English Composition I **or** ENG W13100 (IUPUI) *(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 **or** 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)
- _____(4) Physics Selective *(satisfies Science Selective for core)*
- _____(4) Physics 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)
- _____(7) Interdisciplinary Selective *(see supplemental information)*
- _____(3) General Business Selective (TLI 11100, TLI 15200, IT 10400 [Prior to Fall 2015])
- _____(3) ECET 22400 Electronic Systems
- _____(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

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University Core Requirements

Human Cultures Humanities	☐ **UCC Selective**	*Science, Technology & Society Selective*	☐ **TECH 12000**
Human Cultures Behavioral/Social Science	☐ **UCC Selective**	*Written Communication*	☐ **ENGL 10100/10600/10800**
Information Literacy	☐ **TECH 12000**	*Oral Communication*	☐ **COM 11400**
Science Selective	☐ **PHYS Selective**	*Quantitative Reasoning*	☐ **MA 16010**
Science Selective	☐ **PHYS Selective**	*Quantitative Reasoning*	☐ **MA 16020**

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

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PURDUE
UNIVERSITY

Department of Computer and Information Technology (CIT)
CIT- BS Network Engineering Technology Major
Effective Fall 2015

Phone Number_____   Name_____

Email Address_____   ID_____

FIRST SEMESTER	EQUIV	CR	GR	SEM	SECOND SEMESTER	EQUIV	CR	GR	SEM
CNIT 18000 (Intro to Systems Development)		3			CNIT 15501 (Intro to Software Development Concepts)		3		
OLS 25200 (Human Relations in Org) or TLI 11200 (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)		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			Business Selective[1]		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		
Economics Selective[3]		3			CNIT 27200 (Database Fundamentals) Prereq: CNIT 15500 or 15501 & CNIT 18000		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[4]		3			Statistics Selective[5]		3		
Physics Selective* (PHYS 21800 or 22000)		4			Physics Selective* (PHYS 21900 or 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		4		
CNIT 34500 (Internetwork Design & Implemen) Prereqs: CNIT 24000 & 24200		4			CNIT 34600 (Wireless Local Area Networks) Prereqs: CNIT 24000 & 24200		4		
Interdisciplinary Selective[7]		3			Professional Writing Selective[9]		3		
Professional Speaking Selective[6]		3			CNIT 32000 (Policy, Regulation, and Global in IT)		3		
CNIT 28000 (Systems Analysis & Design Methods) Prereq: CNIT 18000 & CNIT 27200		3							
TOTAL CREDIT HOURS		16			TOTAL CREDIT HOURS		14		

SEVENTH SEMESTER	EQUIV	CR	GR	SEM	EIGHTH SEMESTER	EQUIV	CR	GR	SEM
CNIT 45500 (Network Security) Prereqs: CNIT 34200 & 34500		3			CNIT 48000 (Managing Info Tech Projects) Prereqs: CNIT 28000 & SR STANDING		3		
CNIT 31500 (Systems Programming) Prereq: CNIT 25500 or 25501		3			Information Systems Selective[8]		3		
Communications Selective[2]		3			Interdisciplinary Selective[7]		2		
Information Systems Selective[8]		3			Interdisciplinary Selective[7]		2		
Humanities Foundational Selective*[10]		3			Behavioral/Social Sciences Foundational Selective*[11]		3		
TOTAL CREDIT HOURS		15			TOTAL CREDIT HOURS		13		

*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).
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