

**"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 15500 Introduction to Object-Oriented Programming
- \_\_\_\_(3) CNIT 17600 Information Technology Architectures
- \_\_\_\_(3) CNIT 18000 Introduction to Systems Development (Gateway to CIT)
- \_\_\_\_(3) CNIT 24200 System Administration
- \_\_\_\_(3) CNIT 25500 Programming for the Internet
- \_\_\_\_(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) (CNIT 37200 Database Programming or CNIT 39200 Enterprise Data Management) **and** CNIT 38000 Requirements Discovery & Modeling)
- \_\_\_\_(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 (*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 22300 Introductory Analysis I (*satisfies Quantitative Reasoning Selective for core*)
- \_\_\_\_(3) MA 22400 Introductory Analysis 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 (TECH 33000 and other courses to be determined)
- \_\_\_\_(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/NoCreditCourses-2013.pdf>

**University Core Requirements**

Human Cultures Humanities	<input type="checkbox"/> <b>UCC Selective</b>	Science, Technology & Society Selective	<input type="checkbox"/> <b>TECH 12000</b>
Human Cultures Behavioral/Social Science	<input type="checkbox"/> <b>UCC Selective</b>	Written Communication	<input type="checkbox"/> <b>ENGL 10600/10800</b>
Information Literacy	<input type="checkbox"/> <b>TECH 12000</b>	Oral Communication	<input type="checkbox"/> <b>COM 11400</b>
Science Selective	<input type="checkbox"/> <b>UCC Selective</b>	Quantitative Reasoning	<input type="checkbox"/> <b>MA 22300</b>
Science Selective	<input type="checkbox"/> <b>UCC Selective</b>	Quantitative Reasoning	<input type="checkbox"/> <b>MA 22400</b>

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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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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 15500 (Intro to Object-Oriented Programming) 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 22300 (Intro Analysis I)* Prereq: ALEKS Score of 65%+		3			MA 22400 (Intro Analysis II)* Prereq: MA 22300 with grade C- or better		3		
TECH 12000 (Design Thinking in Technology) * Prereq: COT Major		3			OLS 25200 (Human Relations in Organizations)		3		
<b>TOTAL CREDIT HOURS</b>		<b>15</b>			<b>TOTAL CREDIT HOURS</b>		<b>15</b>		

THIRD SEMESTER	SUB/EQUIV	CR	GR	SEM	FOURTH SEMESTER	SUB/EQUIV	CR	GR	SEM
CNIT 25500 (Programming for the Internet) Prereq: CNIT 15500		3			CNIT 24200 (System Administration) Prereq: CNIT 17600 and Classification 3+		3		
CNIT 27200 (Database Fundamentals) Prereq: CNIT 15500 & CNIT 18000		3			CNIT 28000 (Systems Analysis & Design Methods) Prereq: CNIT 18000 & CNIT 27200		3		
Communications Selective <sup>1</sup>		3			Accounting Selective <sup>4</sup>		3		
Economics Selective <sup>2</sup>		3			Statistics Selective <sup>5</sup>		3		
Science Selective* <sup>3</sup>		3			Lab Science Selective* <sup>6</sup>		3		
<b>TOTAL CREDIT HOURS</b>		<b>15</b>			<b>TOTAL CREDIT HOURS</b>		<b>15</b>		

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

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

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

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SEE REVERSE FOR CIT SUPPLEMENTAL INFORMATION

Updated 10/29/13

## CIT SUPPLEMENTAL INFORMATION

### All prerequisites Must Be Met

#### <sup>1</sup>COMMUNICATIONS 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

#### <sup>2</sup>ECONOMICS SELECTIVE

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

#### <sup>3</sup>SCIENCE SELECTIVE &

#### <sup>6</sup>LAB 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 20600 Biology for Elementary Teachers*	EAPS 10200 Earth Science for Elementary Education*
BIOL 11000 Fundamentals of Biology II*	BTNY 11000 Introduction to Plant Science*	EAPS 10900 The Dynamic Earth*
BIOL 13500 First Year Biology Lab*	CHM 11100 General Chemistry*	HORT 10100 Fundamentals of Horticulture*
BIOL 14501 First Year Biology Laboratory with Neuro Research Project*	CHM 11200 General Chemistry*	PHYS 17200 Modern Mechanics*
BIOL 14502 First Year Biology Laboratory with Micro Research Project*	CHM 11500 General Chemistry*	PHYS 21800 General Physics I*
BIOL 14600 Introduction to Biology*	CHM 11600 General Chemistry*	PHYS 21900 General Physics II*
BIOL 20300 Human Anatomy and Physiology*	CHM 12500 Introduction to Chemistry I*	PHYS 22000 General Physics*
BIOL 20400 Human Anatomy and Physiology*	CHM 12600 Introduction to Chemistry II*	PHYS 22100 General Physics*
BIOL 20500 Biology for Elementary Teachers*	CHM 13600 General Chemistry Honors*	PHYS 27200 Electric and Magnetic Interactions*
	CHM 20000 Fundamentals of Chemistry*	
	CHM 12901 General Chemistry with Biology Focus*	

#### <sup>4</sup>ACCOUNTING SELECTIVE

MGMT 20000 Introductory Accounting (Required for MGMT Minor)  
MGMT 20010 Introductory Accounting for Non-Management Majors

#### <sup>5</sup>STATISTICS SELECTIVE

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

#### <sup>7</sup>CIT COGNATE SELECTIVE OPTIONS (6 CREDITS):

##### OPTION 1:

CNIT 37200 Database Programming (prereq CNIT 27200) or CNIT 39200 (prereq CNIT 27200) Enterprise Data Management and  
CNIT 38000 Requirements Discovery & Modeling (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)

#### <sup>8</sup>Professional 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

#### <sup>9</sup>Interdisciplinary Selectives (15 credits) (Course options will be continually updated and concentrations added to the CIT Website)

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

[http://www.purdue.edu/advisors/courses\\_majors/minors.html](http://www.purdue.edu/advisors/courses_majors/minors.html)

COM 32400 Introduction to Organizational Communication	IT 34500 Automatic Identification and Data Capture	OBHR 30000 Management of Human Resources
ECET 22400 Electronic Systems	IT 45000 Production Cost Analysis	OLS 37500 Training Methods
ECET 37400 Digital Telecommunications	MET 45100 Manufacturing Quality Control	OLS 37600 Human Resource Issues
ENTR 20000 Introduction to Entrepreneurship and Innovation	MFET 24300 Automated Manufacturing I	OLS 38600 Leadership for Organizational Change & Innovation
ENTR 31000 Marketing and Management for New Ventures	MFET 40000 Computer-Integrated Manufacturing	OLS 47700 Conflict Management
IET 45100 Monetary Analysis for Industrial Decisions	MFET 45100 Manufacturing Quality Control	OLS 48400 Leadership Strategies for Quality and Productivity
IT 34200 Introduction to Statistical Quality	MGMT 20100 Management Accounting I	PSY 27200 Introduction to Industrial Organizational Psychology
	MGMT 30400 Introduction to Financial Management	
	MGMT 32300 Introduction to Marketing Analysis	
	MGMT 45500 Legal Background for Business I	

#### <sup>10</sup>INFORMATION 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

#### <sup>11</sup>PROFESSIONAL WRITING SELECTIVE

ENGL 42000 Business Writing or ENGL 42100 Technical Writing

#### <sup>12</sup>GLOBAL AND PROFESSIONAL ISSUES SELECTIVE

TECH 33000 Technology and the Global Society (prereq TECH 120), other courses to be determined

<sup>13</sup>FREE ELECTIVE: Any non-remedial course: see <https://tech.purdue.edu/sites/default/files/files/NoCreditCourses-2013.pdf>

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

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