

"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)

\*Denotes Kokomo Campus Course Offering

- \_\_\_\_(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 (\*ENG W131) (satisfies Written Communication for core)
- \_\_\_\_(3) COM 11400 Fundamentals of Speech Communication (\*SPCH-S121) (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) (\*SPCH C321, C360, S122, S229)
- \_\_\_\_(3) Economics Selective ([AGEC 21700 or ECON 21000], ECON 25100, ECON 25200) (\*ECON E201)
- \_\_\_\_(3) Science Selective (satisfies Science Selective for core) \*See Page 3
- \_\_\_\_(3) Science Lab Selective (satisfies Science Selective for core) \*See Page 3
- \_\_\_\_(3) Accounting Selective MGMT 20000 (Required for MGMT Minor), MGMT 20010 (\*BUS A201)
- \_\_\_\_(3) Statistics Selective (STAT 22500, STAT 30100, STAT 50100, STAT 51100) (\*STAT 301)
- \_\_\_\_(3) Professional Speaking Selective (COM 31500, COM 32000, COM 32500, COM 41500) (\*SPCH C325, S223)
- \_\_\_\_(3) Professional Writing Selective (ENGL 42000, ENGL 42100) (\*ENG W231, W321)
- \_\_\_\_(3) Global and Professional Issues Selective (CNIT 32000) (\*TECH 33000)
- \_\_\_\_(15) Interdisciplinary Selective (see supplemental information) \*See Page 3
- \_\_\_\_(3) General Business Selective
- \_\_\_\_(3) Humanities Selective (satisfies Human Cultures Humanities for core). \*See Page 3  
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 Page 3.  
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  
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**Department of Computer and Information Technology (CIT)  
CIT- BS Suggested Arrangement of Required Courses  
Effective Fall 2014**

Phone Number \_\_\_\_\_

Name \_\_\_\_\_

Email Address \_\_\_\_\_

ID \_\_\_\_\_

FIRST SEMESTER	SUB/E QUIV	CR	GR	SEM	SECOND SEMESTER	SUB/EQUIV	CR	GR	SEM
<b>CNIT 18000</b> (Intro to Systems Development) Prereq: PC Literacy		3			<b>CNIT 15501</b> (Intro to Software Development Concepts) Prereq: PC Literacy		3		
ENGL 10600 or ENGL 10800* <sup>(First Year Composition or Accelerated First Year Composition)</sup> <b>ENG W131 (IUK)</b>		3			<b>CNIT 17600</b> (Info Tech Architectures)		3		
COM 11400 (Fund of Speech Communication)* <b>SPCH-S121 (IUK)</b>		3			<b>IT 10400</b> (Industrial Organization) * <b>BUS W100 (IUK)</b> Business Selective		3		
<b>MA 16010</b> (Applied Calculus I)* Prereq: ALEKS Score of 75% or MA 15400 or MA 15800 with minimum grade of C-		3			<b>MA 16020</b> (Applied Calculus II)* Prereq: MA 16010 with minimum grade of C-		3		
<b>TECH 12000</b> (Design Thinking in Technology) * Prereq: COT Major		3			Communications Selective <sup>1</sup> <b>SPCH C321, C380, S122, S229 (IUK)</b>		3		
<b>TOTAL CREDIT HOURS</b>		<b>15</b>			<b>TOTAL CREDIT HOURS</b>		<b>15</b>		

THIRD SEMESTER	SUB/E QUIV	CR	GR	SEM	FOURTH SEMESTER	SUB/EQUIV	CR	GR	SEM
<b>CNIT 25501</b> (Object-Oriented Programming-Introduction) Prereq: CNIT 15500 or 15501		3			<b>CNIT 24200</b> (System Administration) Prereq: CNIT 17600 and Classification 3+		3		
<b>CNIT 27200</b> (Database Fundamentals) Prereq: CNIT 15500 or 15501 & CNIT 18000		3			<b>CNIT 28000</b> (Systems Analysis & Design Methods) Prereq: CNIT 18000 & CNIT 27200		3		
OLS 252 Human Relations		3			Free Elective <sup>13</sup>		3		
Economics Selective <sup>2</sup> <b>ECON E201 (IUK)</b>		3			Statistics Selective <sup>5</sup> <b>STAT 301 (IUK)</b>		3		
Accounting Selective <sup>4</sup> <b>BUS A201 (IUK) or MGMT 200 (ICN)</b>		3			Lab Science Selective* <sup>6</sup>		3-5		
<b>TOTAL CREDIT HOURS</b>		<b>15</b>			<b>TOTAL CREDIT HOURS</b>		<b>15/17</b>		

FIFTH SEMESTER	SUB/E QUIV	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>		3-4			Information Systems Selective <sup>10</sup>		3		
Programming Selective ( <b>CNIT 31500 or CNIT 32500</b> ) Prereq: CNIT 25500 or 25501		3			Professional Writing Selective <sup>11</sup> <b>ENGL 421 (ICN) or ENG W231, W321 (IUK)</b>		3		
Professional Speaking Selective <sup>8</sup> <b>COM 320 (ICN) or SPCH C325, S223 (IUK)</b>		3			Interdisciplinary Selective <sup>9</sup>		3		
Science Selective* <sup>3</sup>		3			Global and Professional Issues Selective <sup>12</sup> <b>TECH 32000</b>		3		
<b>TOTAL CREDIT HOURS</b>		<b>15</b>			<b>TOTAL CREDIT HOURS</b>		<b>15</b>		

SEVENTH SEMESTER	SUB/E QUIV	CR	GR	SEM	EIGHTH SEMESTER	SUB/EQUIV	CR	GR	SEM
Behavioral/Social Sciences Foundational Selective* <sup>15</sup>		3			<b>CNIT 48000</b> (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		
Interdisciplinary Selective <sup>9</sup>		3			Humanities Foundational Selective* <sup>14</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.  
myPurduePlan is knowledge source for specific requirements and completion.

## CIT SUPPLEMENTAL INFORMATION

*All Prerequisites Must Be Met*

**Bold indicates courses offered at Columbus Campus.**

**\* Indicates IUK course for KOKOMO Campus only.**

**See Student Services Coordinator for course availability.**

### <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

**\*SPCH C321 Persuasion**

**\*SPCH C380 Organizational Communication**

**\*SPCH S122 Interpersonal Communication**

**\*SPCH S229 Discussion and Group Methods**

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

AGEC 21700 Economics or ECON 21000 Principles of Economics, ECON 25100 Microeconomics, ECON 25200 Macroeconomics, **\*ECON E201**

### <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.

Students of Kokomo location see the following link to review how IU courses transfer to Purdue Core:

<http://www.purdue.edu/provost/initiatives/curriculum/documents/Retro%20and%20Transfer%20Credit%20list%205-27-14.pdf>

**\*ANAT A215**

**\*AST A110**

**\*BIOL 105**

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\*

**\*BIOL 270**

**\*BIOL 370**

BTNY 11000 Introduction to Plant Science\*

**\*CHEM C100 + C120**

**\*CHEM C105 + C125**

**\*CHEM C106 + C126**

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\*

**\*CHM C390**

EAPS 10200 Earth Science for Elementary Education\*

EAPS 10900 The Dynamic Earth\*

**\*GEOL G109**

**\*GEOL G133**

HORT 10100 Fundamentals of Horticulture\*

\*PHYS P100

**\*PHYS 152**

PHYS 17200 Modern Mechanics\*

**PHYS 201 General Physics\***

**PHYS 202 General Physics II\***

PHYS 22000 General Physics\*

PHYS 22100 General Physics\*

**\*PHYS 251**

PHYS 27200 Electric and Magnetic Interactions\*

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

**MGMT 20000 Introductory Accounting (Required for MGMT Minor)**

MGMT 20010 Business Accounting

**\*BUS A201**

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

STAT 22500 Introduction to Probability Models

**\*STAT 30100 Elementary Statistical Methods**

STAT 50100 Experimental Statistics I

STAT 51100 Statistical Methods

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

**OPTION 1:**

CNIT 325 Object-Oriented Application Development

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:**

**\*CNIT 315**

### <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

**\*SPCH C325 Interviewing Principles**

**\*SPCH S223 Business and Professional Communication**

### <sup>9</sup>Interdisciplinary 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](http://www.purdue.edu/advisors/courses_majors/minors.html)

**\*BUS A202 Managerial Accounting**

**\*BUS L201 Legal Environment of Business**

**\*ECET 22400 Electronic Systems**

**\*BUS M301 Intro to Marketing Management**

**\*BUS P301 Operations Management**

ECET 37400 Digital Telecommunications

ENTR 20000 Introduction to Entrepreneurship and Innovation

ENTR 31000 Marketing and Management for New Ventures

**\*IET 342 Intro to Statistical Quality**

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 Organizations

<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 or \*ENG W231

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

CNIT 32000 Policy, Regulation, and Globalization in IT

\*TECH 33000

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

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

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\*HER H100, H102

\*ENG L204

\*HIST H105, H106, H113, H114

\*PHIL P110, PHIL P120

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

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\*ECON E201, E202

\*Any ENG-L

\*POLS Y103, Y217, 219

\*PSY P103

\*SOC S100, S101