"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 CBT 3000 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 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

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University Core Requirements

<table>
<thead>
<tr>
<th>Human Cultures Humanities</th>
<th>UCC Selective</th>
<th>Science, Technology &amp; Society Selective</th>
<th>TECH 12000</th>
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<tbody>
<tr>
<td>Human Cultures Behavioral/Social Science</td>
<td>UCC Selective</td>
<td>Written Communication</td>
<td>ENGL 10600/10800</td>
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<tr>
<td>Information Literacy</td>
<td>TECH 12000</td>
<td>Oral Communication</td>
<td>COM 11400</td>
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<tr>
<td>Science Selective</td>
<td>UCC Selective</td>
<td>Quantitative Reasoning</td>
<td>MA 22300</td>
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<tr>
<td>Science Selective</td>
<td>UCC Selective</td>
<td>Quantitative Reasoning</td>
<td>MA 22400</td>
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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

Effective Fall 2013

Revised 10/29/13
<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SUB/EQUIV</th>
<th>CR</th>
<th>SEM</th>
<th>SECOND SEMESTER</th>
<th>SUB/EQUIV</th>
<th>CR</th>
<th>SEM</th>
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<tbody>
<tr>
<td>CNIT 18000 (Intro to Systems Development)</td>
<td>3</td>
<td></td>
<td></td>
<td>CNIT 15500 (Intro to Object-Oriented Programming)</td>
<td>3</td>
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<tr>
<td>Prereq: PC Literacy</td>
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<td></td>
<td>Prereq: PC Literacy</td>
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</tbody>
</table>
| 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 27400 (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 |     |     |
| TOTAL CREDIT HOURS | 15 |     |     | TOTAL CREDIT HOURS | 15 |     |     |

<table>
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<tr>
<th>THIRD SEMESTER</th>
<th>SUB/EQUIV</th>
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<th>FOURTH SEMESTER</th>
<th>SUB/EQUIV</th>
<th>CR</th>
<th>SEM</th>
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</thead>
</table>
| 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 Selective¹ | 3 |     |     | Accounting Selective⁴ | 3 |     |     |
| Economics Selective² | 3 |     |     | Statistics Selective⁵ | 3 |     |     |
| Science Selective*³ | 3 |     |     | Lab Science Selective⁶ | 3 |     |     |
| TOTAL CREDIT HOURS | 15 |     |     | TOTAL CREDIT HOURS | 15 |     |     |

<table>
<thead>
<tr>
<th>FIFTH SEMESTER</th>
<th>SUB/EQUIV</th>
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<th>SEM</th>
<th>SIXTH SEMESTER</th>
<th>SUB/EQUIV</th>
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<tbody>
<tr>
<td>CIT Cognate Selective⁷</td>
<td>3</td>
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<td>Information Systems Selective¹⁰</td>
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<tr>
<td>CIT Cognate Selective⁷</td>
<td>3</td>
<td></td>
<td></td>
<td>Information Systems Selective¹⁰</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| Programming Selective  
(CNIT 31500 or CNIT 32500)  
Prereq: CNIT 25500 | 3 |     |     | Professional Writing Selective¹¹ | 3 |     |     |
| Professional Speaking Selective⁸ | 3 |     |     | Interdisciplinary Selective⁹ | 3 |     |     |
| Interdisciplinary Selective¹⁰ | 3 |     |     | Global and Professional Issues Selective¹² | 3 |     |     |
| TOTAL CREDIT HOURS | 15 |     |     | TOTAL CREDIT HOURS | 15 |     |     |

<table>
<thead>
<tr>
<th>SEVENTH SEMESTER</th>
<th>SUB/EQUIV</th>
<th>CR</th>
<th>SEM</th>
<th>EIGHTH SEMESTER</th>
<th>SUB/EQUIV</th>
<th>CR</th>
<th>SEM</th>
</tr>
</thead>
</table>
| Free Elective¹³ | 3 |     |     | CNIT 48000 (Managing Info Tech Projects)  
Prereq: CNIT 28000 & SR STANDING | 3 |     |     |
| Interdisciplinary Selective¹⁰ | 3 |     |     | Information Systems Selective¹⁰ | 3 |     |     |
| Information Systems Selective¹⁰ | 3 |     |     | Interdisciplinary Selective³ | 3 |     |     |
| Information Systems Selective¹⁰ | 3 |     |     | Interdisciplinary Selective³ | 3 |     |     |
| Humanities Foundational Selective¹⁴ | 3 |     |     | Behavioral/Social Sciences  
Foundational Selective¹⁵ | 3 |     |     |
| TOTAL CREDIT HOURS | 15 |     |     | TOTAL CREDIT HOURS | 15 |     |     |

*Fulfills University Core

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

Updated 10/29/13
CIT SUPPLEMENTAL INFORMATION
All prerequisites Must Be Met

1 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

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

3 SCIENCE SELECTIVE &
4 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 11000 Fundamentals of Biology II*
- BIOL 11500 First Year Biology Lab*
- 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 21100 General Chemistry*
- CHM 21500 General Chemistry*
- CHM 11200 General Chemistry*
- CHM 11600 General Chemistry*
- CHM 12500 Introduction to Chemistry I*
- CHM 12600 Introduction to Chemistry II*
- CHM 12901 General Chemistry with Biology Focus*
- CHM 12901 General Chemistry with Biology Focus*
- EAPS 10200 Earth Science for Elementary Education*
- EAPS 10900 The Dynamic Earth*
- HURJ 11000 Fundamentals of Horticulture*
- PHYS 17200 Modern Mechanics*
- PHYS 21800 General Physics I*
- PHYS 21900 General Physics II*
- PHYS 22000 General Physics*
- PHYS 22100 General Physics*
- PHYS 27200 Electric and Magnetic Interactions*

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

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

7 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)

8 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

9 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_major/minors.html

10 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

11 PROFESSIONAL WRITING SELECTIVE
ENGL 42000 Business Writing or ENGL 42100 Technical Writing

12 GLOBAL AND PROFESSIONAL ISSUES SELECTIVE
TECH 33000 Technology and the Global Society (prereq TECH 120), other courses to be determined

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

Effective Fall 2013

Updated 10/29/13