

“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 (51 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 27000 Cybersecurity Fundamentals
- ____(3) CNIT 27200 Database Fundamentals
- ____(3) CNIT 28000 Systems Analysis and Design Methods
- ____(3) CNIT 32000 Policy, Regulation, and Globalization in Information Technology
- ____(3) CNIT 37200 Database Programming or CNIT 39200 Enterprise Data Management
- ____(3) CNIT 48000 Managing Information Technology Projects
- ____(3) Programming Selective (CNIT 31500 Systems Programming **or** CNIT 32500 Object-Oriented Application Development)
- ____(15) Information Technology Selectives (any other CNIT **or** CGT 30000 level **or** higher courses, EPCS (3 credits) approved by CIT faculty)

Other Departmental /Program Course Requirements (66 credits)

- ____(3) Composition Selective (SCLA 10100 Transformative Texts, Critical Thinking & Communication I (*satisfies Written Communication for core*))
- ____(3) Oral Communication Selective (SCLA 10200 Transformative Texts, Critical Thinking & Communication II (*satisfies Oral Communication for core*))
- ____(3) TECH 12000 Design Thinking In Technology (*satisfies Information Literacy & Science, Technology, and Society Selectives 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) TLI 11200 Foundations of Organizational Leadership
- ____(3) Communications Selective (COM 25100 or COM 22400)
- ____(3) Economics Selective ([AGEC 21700 or ECON 21000], ECON 25100, ECON 25200, ECON E201 [IU], ECON 202 [IU])
- ____(3) Science Selective (*satisfies Science Selective for core*)
- ____(3) Lab Science 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 or COM 41500)
- ____(3) Professional Writing Selective (ENGL 41900, ENGL 42100, ENGL 42400)
- ____(15) Interdisciplinary Selective (*see supplemental information*)
- ____(3) General Business Selective (TLI 15200, TLI 11100, BUS W100 [IU])
- ____(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>
- ____(0) IT Professional Experience Requirement
- ____(0) Globalization Requirement

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

- ____(3) Any non-remedial course: *See <https://polytechnic.purdue.edu/sites/default/files/files/NoCreditCourses-2017.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>SCLA 10100</u>
Information Literacy	<input type="checkbox"/> <u>TECH 12000</u>	Oral Communication	<input type="checkbox"/> <u>SCLA 10200</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 the knowledge source for all specific degree requirements

Phone Number _____

Name _____

Email Address _____

ID _____

FIRST SEMESTER	SUB/EQ	CR	GR	SEM	SECOND SEMESTER	SUB/EQ	CR	GR	SEM
CNIT 18000 (Intro to Systems Development)		3			CNIT 15501 (Intro to Software Development Concepts)		3		
TLI11200 (Foundations of Org Leadership)		3			CNIT 17600 (Info Tech Architectures)		3		
Composition Selective* ¹		3			Oral Communications Selective* ²		3		
MA 16010 (Applied Calculus I)* Pre-req: ALEKS Score of 75% or MA 15400 or MA 15800 with minimum grade of C-		3			MA 16020 (Applied Calculus II)* Pre-req: MA 16010 with minimum grade of C-		3		
TECH 12000 (Design Thinking in Technology) *Pre-req: Polytechnic Major		3			Business Selective ⁹		3		
TOTAL CREDIT HOURS		15			TOTAL CREDIT HOURS		15		

THIRD SEMESTER	SUB/EQ	CR	GR	SEM	FOURTH SEMESTER	SUB/EQ	CR	GR	SEM
CNIT 27200 (Database Fundamentals) Pre-req: CNIT 15500 or 15501 & CNIT 18000 & Co-Rec CNIT 28000		3			CNIT 24200 (System Administration) Pre-req: CNIT 17600 and Classification 3+		3		
CNIT 28000 (Sys Analysis & Design Methods) Pre-req: CNIT 18000 & Co-Rec CNIT 27200		3			CNIT 25501 (Object-Oriented Programming-Introduction) Prereq: CNIT 15500 or 15501		3		
Communications Selective ⁵		3			CNIT 27000 (Cybersecurity Fundamentals) Pre-req: CNIT 15501 & 17600		3		
Economics Selective ⁴		3			Statistics Selective ⁷		3		
Science Selective* ¹³		3			Lab Science Selective* ¹⁴		3		
TOTAL CREDIT HOURS		15			TOTAL CREDIT HOURS		15		

FIFTH SEMESTER	SUB/EQ	CR	GR	SEM	SIXTH SEMESTER	SUB/EQ	CR	GR	SEM
Programming Selective (CNIT 31500 or CNIT 32500) Pre-req: CNIT 25500 or 25501		3			CNIT 37200 (Database Programming) Pre-req: CNIT 27200 or CNIT 39200 Pre-req: CNIT 27200 Enterprise Data Management		3		
Information Technology Selective ¹²		3			CNIT 32000 (Policy, Regulation, and Globalization in IT) Pre-req: TECH 12000		3		
Accounting Selective ³		3			Information Technology Selective ¹²		3		
Professional Speaking Selective ⁶		3			Professional Writing Selective ⁸		3		
Interdisciplinary Selective ¹⁵		3			Interdisciplinary Selective ¹⁵		3		
TOTAL CREDIT HOURS		15			TOTAL CREDIT HOURS		15		

SEVENTH SEMESTER	SUB/EQ	CR	GR	SEM	EIGHTH SEMESTER	SUB/EQ	CR	GR	SEM
CNIT 48000 (Managing Info Tech Projects) Pre-req: CNIT 28000 & SR STANDING		3			Free Elective ¹⁶		3		
Interdisciplinary Selective ¹⁵		3			Information Technology Selective ¹²		3		
Information Technology Selective ¹²		3			Interdisciplinary Selective ¹⁵		3		
Information Technology Selective ¹²		3			Interdisciplinary Selective ¹⁵		3		
Humanities Foundational Selective* ¹⁰		3			Behavioral/Social Sciences Foundational Selective* ¹¹		3		
TOTAL CREDIT HOURS		15			TOTAL CREDIT HOURS		15		

CO-CURRICULAR REQUIREMENTS	SUB/EQ	CR	GR	SEM	SUB/EQ	CR	GR	SEM
Professional IT Experience Requirement ¹⁷		0			Globalization Requirement ¹⁸		0	

120 Total

*Fulfills University Core

- 1) Students must earn a C- or better in all CNIT courses that are a prerequisite to another CNIT course
- 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) ANY COURSE TAKEN AT PURDUE CAN BE ATTEMPTED NO MORE THAN THREE TIMES (INCLUSIVE OF W, WF, WN, I, and IF)
- 6) Courses in **BOLD** are essential for the CIT degree critical path to graduation

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

SEE REVERSE FOR CIT SUPPLEMENTAL INFORMATION

CIT SUPPLEMENTAL INFORMATION for COMPUTER & INFORMATION TECHNOLOGY MAJOR

All Prerequisites Must Be Met

¹COMPOSITION SELECTIVE

SCLA 10100 Transformative Texts, Critical Thinking & Communication I
ENGL 10100 English Comp. I

²ORAL COMMUNICATIONS SELECTIVE

SCLA 10200 Transformative Texts, Critical Thinking & Communication II
COM 11400 Fundamentals of Speech

³ACCOUNTING SELECTIVE

MGMT 20000 Introductory Accounting (Required for MGMT Minor)
MGMT 20010 Business Accounting
BUS A201 Introduction to Financial Accounting (IU Statewide Locations)

⁴ECONOMICS SELECTIVE

AGEC 21700 Economics or **ECON 21000 Principles of Economics**
ECON 25100 Microeconomics
ECON 25200 Macroeconomics
ECON E201 Introduction to Microeconomics (IU Statewide Locations)
ECON E202 Introduction to Macroeconomics (IU Statewide Locations)

⁵COMMUNICATIONS SELECTIVE

COM 25100 Communication, Information, and Society
COM 22400 Communicating in the Global Workplace

⁶PROFESSIONAL SPEAKING SELECTIVE

COM 31500 Speech Communication of Technical Information
COM 41500 Discussion of Technical Problems

⁷STATISTICS SELECTIVE

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

⁸PROFESSIONAL WRITING SELECTIVE

ENGL 41900 Multimedia Writing
ENGL 42100 Technical Writing
ENGL 42400 Writing for High Technology Industries

⁹BUSINESS SELECTIVE

TLI 15200 Business Principles for Organizational Leadership
TLI 11100 Introduction to Manufacturing and Supply Chain Systems
BUS W100 Principles of Business Administration (IU Statewide Locations)

¹⁰HUMANITIES FOUNDATIONAL SELECTIVE: see <http://www.purdue.edu/provost/initiatives/curriculum/course.html>

HIST 15100 American History to 1877
HIST 15200 US From 1877
MUS 25000 Music Appreciation
PHIL 11000 Intro to Philosophy
PHIL 11100 Ethics

¹¹BEHAVIORAL/SOCIAL SCIENCES FOUNDATIONAL SELECTIVE: see <http://www.purdue.edu/provost/initiatives/curriculum/course.html>

PSY 12000 Elementary Psychology
SOC 10000 Intro to Sociology

¹²INFORMATION TECHNOLOGY SELECTIVE (15 credits)

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
At least nine credits must be CNIT courses

¹³SCIENCE SELECTIVE See approved list at: <http://www.purdue.edu/provost/initiatives/curriculum/course.html>

PHYS 21800 General Physics I
PHYS 21900 General Physics II
CHM 11100 General Chemistry I

¹⁴LAB 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>

The following courses are typically offered with a lab component:

ASTR 26300 Descriptive Astronomy: The Solar System	CHM 11500 General Chemistry	EAPS 24400 Earth Materials II
ASTR 26400 Descriptive Astronomy: Stars and Galaxies	CHM 11600 General Chemistry	ENTM 22810 Forensic Investigation
BIOL 11000 Fundamentals of Biology I	CHM 12500 Introduction to Chemistry	ENTM 22820 Forensic Analysis
BIOL 11100 Fundamentals of Biology II	CHM 12600 Introduction to Chemistry II	HORT 10100 Fundamentals of Horticulture
BIOL 13500 First year biology lab	CHM 12901 General Chemistry with Biology focus	PHYS 17200 Modern Mechanics
BIOL 14501 First year biol lab with neuro res project	CHM 13600 General Chemistry Honors	PHYS 21500 Physics for Elementary Education
BIOL 14600 Introduction to Biology	CHM 20000 Fundamentals of chemistry	PHYS 21800 General Physics I
BIOL 20300 Human Anatomy and Physiology	EAPS 10200 Earth Science for Elementary Education	PHYS 21900 General Physics II
BIOL 20400 Human Anatomy and Physiology	EAPS 10900 The Dynamic Earth	PHYS 22000 General Physics
BTNY 11000 Intro to Plant Science	EAPS 11100 Physical Geology	PHYS 22100 General Physics
CHM 11100 General Chemistry	EAPS 11200 Earth Through Time	PHYS 27200 Electric and Magnetic Interactions
CHM 11200 General Chemistry	EAPS 24300 Earth Materials I	SLHS 30600 Introduction to Phonetics

¹⁵Interdisciplinary Selectives (15 credits)

Any University recognized non-computing minor with at least 9 credits or a department approved set of related courses in which Information Technology can be applied.
see <http://www.admissions.purdue.edu/majors/minors.php>

¹⁶FREE ELECTIVE: Any non-remedial course: see <https://polytechnic.purdue.edu/sites/default/files/files/NoCreditCourses-2017.pdf>

¹⁷PROFESSIONAL IT EXPERIENCE REQUIREMENT (Complete one of the following options)

- Professional IT internship (six week minimum duration)
- 240 hours of IT employment
- 240 hours of documented volunteer IT work
- Service Learning Course (EPCS, CNIT 39000, or Equivalent) with responsibility for an IT component (3 credit hours minimum)

*A three page reflection paper on what you learned from your experience is required for all options – submit to CIT-Prof-IT@purdue.edu

- **Complete one of the following options:**

- Participate in a Purdue University international capstone or collaborative project*
- Participate in an international internship (international location)*
- Participate in a faculty-led study abroad program*
- Participate in a full semester abroad program*

* The above options require a three page reflection paper on what you learned from your experience – submit to CIT-Global@purdue.edu

- Earn three credit hours in a global culture course:

AAS 27100	Intro to African American Studies	HIST 30000	Eve of Destruction: Global Crises and World Organization in the 20th Century
AAS 37300	Variable Title: History of Injustice	HIST 33805	History of Human Rights
AGR 20100	Communication Across Cultures	HIST 35000	Science and Society in the 20th-Century World
ANSC 38100	Leadership for a Diverse workplace	HIST 36600	Hispanic Heritage of the USA
ANTH 20300	Biological Bases of Human Social Behavior	HIST 37700	History & Culture of Native America
ANTH 20500	Human cultural Diversity	HIST 46900	Black Civil Rights Movement
ANTH 21000	Technology and Culture	HIST 47900	American Representations of Middle East & North Africa
ANTH 21200	Culture, Food and Health	HIST 49900	History of Sexual Regulation in the United States
ANTH 23000	Gender Across Cultures	HTM 37000	Sustainable Tourism and Responsible Travel
ANTH 34000	Global Perspectives on Health	HTM 37200:	Global Tourism Geography
ANTH 34100	Culture and Personality	MSL 20100	Individual Leadership Studies
ANTH 37900	Native American Cultures	OLS 35000	Creativity In Business & Industry
ARAB 28000	Arabic culture	PHIL 11400	Global Moral Issues
ASAM 24000	Intro to Asian American Studies	PHIL 43500	Philosophy of Mind
AT 23300	Ethics and Aviation	POL 22200	Women, Politics & Public Policy
COM 22400	Communicating in the Global Workplace	POL 23500	Rich and Poor Nations
COM 30300	Intercultural Communication	POL 32600	Black Political Participation in America
COM 32000	Small Group Communication	POL 32700	Global Green Politics
COM 37300	Self-Presentation & Social Image	POL 36000	Women and the Law
COM 38000	Sociolinguistic Study of African American English	POL 41300	The Human Basis of Politics
COM 38000	Sociolinguistic Study of African American English	POL 42300	International Environmental Policy
COM 41200	Theories of Human interaction	POL 42900	Variable Title: It's a Complex World (Cross listed with IE49000, ME29700)
COM 42300	Leadership, Communication & Organizations	POL 43300	International Organization
ECET 29000	International Experience	PSY 25000	Psychology of Adjustment
ECET 38001	Global Professional Issues in ET	PSY 25100	Health Psychology
EDPS 23500	Learning and Motivation	PSY 28500	Consumer Behavior
EDPS 30000	Student Leadership Development	PSY 32200	Research Design
EDPS 30100	Peer Counselling Training	SOC 10000	Intro to Sociology
EDPS 31500	Collaborative Leadership: Listening	SOC 31000	Racial and Ethnic Diversity
EDPS 31600	Collaborative Leadership: Cross-cultural Settings	SOC 33900	Introduction to Sociology of Developing Nations
EDPS 31700	Collaborative Leadership: Mentoring	Tech 33000	Technology and the Global Society
ENGL 41400	Literature & Culture	WGSS 28200	Intro to LGBT Studies
HDFS 23300	Stress and Human Health	WGSS 38000	Gender and Multiculturalism
HDFS 28000	Diversity in Individual and Family Life	WGSS 38300	Women and Work
HDFS 33200	Stress & Coping in Contemporary Families		Any foreign language 200 or higher (201, 202, 301, 302, 401, 402)
HEBR 38500	The Holocaust in Modern Hebrew Literature		
HIST 19500	Historical Research & Film!		

Classes in bold offered at Anderson.