

KOKOMO CIT SUPPLEMENTAL INFORMATION for CYBERSECURITY MAJOR

All Pre-requisites Must be Met

¹COMPOSITION SELECTIVE

ENGL 10100 English Composition I
ENGL 10600 First Year Composition
ENGL 10800 Accelerated First Year Composition
SCLA 10100 Transformative Texts, Critical Thinking & Communication I
ENG W1310 Reading, Writing, & Inquiry I (IU)

³ACCOUNTING SELECTIVE

MGMT 20000 Introductory Accounting (Required for MGMT Minor)
MGMT 20010 Business Accounting
BUS-A201

⁵COMMUNICATIONS SELECTIVE

COM 21000 Debating Public Issues
COM 21200 Approaches to the Study of Interpersonal Communication
COM 30300 Intercultural Communications
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; SPCH-C325; SPCH-C380

⁷STATISTICS SELECTIVE

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

¹⁰HUMANITIES FOUNDATIONAL SELECTIVE: see http://catalog.purdue.edu/preview_program.php?catoid=7&poiid=6694 (Human Cultures: Humanities (H))
HIST-H105, HIIST-H106, HIST-H113, HIST-H114, PHIL-P100, PHIL-P140, FINA-A101, FINA-A102, MUS-M174, SPAN S100-400, FREN-F100-400, GER-G100-400

¹¹BEHAVIORAL/SOCIAL SCIENCES FOUNDATIONAL SELECTIVE: see http://catalog.purdue.edu/preview_program.php?catoid=7&poiid=6694 (Human Cultures: Behavioral/Social Sciences (BSS))
ECON-E201, ECON-E202, POLS-Y103, PSY-P103, SOC-S100

¹³SCIENCE SELECTIVE See approved list at: http://catalog.purdue.edu/preview_program.php?catoid=7&poiid=6694 (Science (S))

¹⁴LAB SCIENCE SELECTIVE (must take at least 3 credits of Science Selective with a Lab Component) See :
http://catalog.purdue.edu/preview_program.php?catoid=7&poiid=6694 (Science (S)). Verify the course has a lab component in myPurdue Schedule of Classes.

The following courses are typically offered with a lab component:

ASTR 26300 Descriptive Astronomy: The Solar System
ASTR 26400 Descriptive Astronomy: Stars and Galaxies
BIOL 11000 Fundamentals of Biology I
BIOL 11100 Fundamentals of Biology II
BIOL 13500 First year biology lab
BIOL 14501 First year biol lab with neuro res project
BIOL 14600 Introduction to Biology
BIOL 20300 Human Anatomy and Physiology
BIOL 20400 Human Anatomy and Physiology
BTNY 11000 Intro to Plant Science
CHM 11100 General Chemistry
CHM 11200 General Chemistry
CHM 11500 General Chemistry
CHM 11600 General Chemistry
CHM 12500 Introduction to Chemistry
CHM 12600 Introduction to Chemistry II
CHM 12901 General Chemistry with Biology focus
CHM 13600 General Chemistry Honors
CHM 20000 Fundamentals of chemistry

EAPS 10200 Earth Science for Elementary Education
EAPS 10900 The Dynamic Earth
EAPS 11100 Physical Geology
EAPS 11200 Earth Through Time
EAPS 24300 Earth Materials I
EAPS 24400 Earth Materials II
ENTM 22810 Forensic Investigation
ENTM 22820 Forensic Analysis
HORT 10100 Fundamentals of Horticulture
PHYS 17200 Modern Mechanics
PHYS 21500 Physics for Elementary Education
PHYS 21800 General Physics I
PHYS 21900 General Physics II
PHYS 22000 General Physics
PHYS 22100 General Physics
PHYS 27200 Electric and Magnetic Interactions
SLHS 30600 Introduction to Phonetics
ANAT-A215
AST-A110 (3 cr)

BIOL-L100
BIOL-L105
BIOL-L270 (3 cr)
BIOL-L370 (3 cr)
CHEM-C101 + C121
CHEM-C102 + C122
CHEM-C105 + C125
CHEM-C106 + C126
GEOL-G100
GEOL-G133
GEOL-G400 (3 cr)
MICR-J200 + J215
PHYS-P201
PHYS-P202
PHYS-P221
PHYS-P222
PLSC-B203
ZOOL-Z315

¹⁵INTERDISCIPLINARY SELECTIVES (6 credits)

ECET 35901 Computer Based Data Acquisition Applications
ENTM 22810 Forensic Investigation
TLI 313 Technology Innovation And Integration: Bar Codes To Biometrics
MGMT 25400 Legal Foundations of Business
MGMT 45500 Legal Background for Business I
PSY 27200 Introduction to I/O Psychology
PSY 31000 Sensory and Perceptual Processes

²ORAL COMMUNICATIONS SELECTIVE

COM 11400 Fundamentals of Speech Communication
SCLA 10200 Transformative Texts, Critical Thinking & Communication II
SPCH-S121

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)

⁶PROFESSIONAL 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-S223; SPCH-S229

⁸PROFESSIONAL WRITING SELECTIVE

ENGL 42000 Business Writing
ENGL 42100 Technical Writing
ENG-W321 or ENG-W231

⁸PROFESSIONAL WRITING SELECTIVE

ENGL 42000 Business Writing
ENGL 42100 Technical Writing
ENG-W321 or ENG-W231

⁸PROFESSIONAL WRITING SELECTIVE

ENGL 42000 Business Writing
ENGL 42100 Technical Writing
ENG-W321 or ENG-W231

⁸PROFESSIONAL WRITING SELECTIVE

ENGL 42000 Business Writing
ENGL 42100 Technical Writing
ENG-W321 or ENG-W231

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ENGL 42000 Business Writing
ENGL 42100 Technical Writing
ENG-W321 or ENG-W231

16CYBERSECURITY SELECTIVES (6 credits)

CNIT 41500 Advanced Coding Security
 CNIT 42100 Small Scale Device Digital Forensics
 CNIT 45600 Wireless Security & Management
 CNIT 51100 Foundations in Homeland Security Studies
 CNIT 51200 Managing Resources And Applications For Homeland Security

CNIT 58100 Malware Forensics
 CNIT 58100 Workshop In Computer Technology
 CNIT 58100 Cyber Conflict & Transnational Crime
 CNIT 58100 - Social Engineering Info Tech
 CNIT 58100 - Large Event Mgmt & Plan HLS

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

18INTERCULTURAL REQUIREMENT (Complete one of the following options)

Step 1: Complete the Pre-test Intercultural Development Inventory Assessments (1st year)

Step 2: Complete one (1) of the following global experiences: *

- Participate in A Purdue University international capstone, collaborative project, or
- Participate in an international internship (international location), or
- Participate in a full semester abroad program, or
- Complete 3 credit hours from the Polytechnic list of recommended Global/Cultural courses.

Step 3: Complete the Post-test Intercultural Development Inventory Assessments (4th year)

NOTE FOR TRANSFER/CODO STUDENTS: Transfer and CODO students with less than 75 credit hours remaining to completed their Polytechnic Plan of Study are exempt from Step 1 (taking the IDI Pre-test).

*Global experiences must take place during the time of enrollment in Polytechnic to complete Step 2. Experiences taken place prior to a student's initial enrollment will not serve to complete Step 2. Intercultural competencies gained on experiences prior to Polytechnic enrollment will be captured as baseline data on a student's IDI.

AAS 27100	Intro to African American Studies	HIST 36600	Hispanic Heritage of the USA
AAS 37300	Variable Title: History of Injustice	HIST 37700	History & Culture of Native America
AGR 20100	Communication Across Cultures	HIST 46900	Black Civil Rights Movement
ANSC 38100	Leadership for a Diverse workplace	HIST 47900	American Representations of Middle East & North Africa
ANTH 20300	Biological Bases of Human Social Behavior	HIST 49900	History of Sexual Regulation in the United States
ANTH 20500	Human cultural Diversity	HTM 37000	Sustainable Tourism and Responsible Travel
ANTH 21000	Technology and Culture	HTM 37200:	Global Tourism Geography
ANTH 21200	Culture, Food and Health	MSL 20100	Individual Leadership Studies
ANTH 23000	Gender Across Cultures	OLS 35000	Creativity In Business & Industry
ANTH 34000	Global Perspectives on Health	PHIL 11400	Global Moral Issues
ANTH 34100	Culture and Personality	PHIL 43500	Philosophy of Mind
ANTH 37900	Native American Cultures	POL 22200	Women, Politics & Public Policy
ARAB 28000	Arabic culture	POL 23500	Rich and Poor Nations
ASAM 24000	Intro to Asian American Studies	POL 32600	Black Political Participation in America
AT 23300	Ethics and Aviation	POL 32700	Global Green Politics
COM 22400	Communicating in the Global Workplace	POL 36000	Women and the Law
COM 30300	Intercultural Communication	POL 41300	The Human Basis of Politics
COM 32000	Small Group Communication	POL 42300	International Environmental Policy
COM 37300	Self-Presentation & Social Image	POL 42900	Variable Title: It's a Complex World (Cross listed with IE49000, ME29700)
COM 38000	Sociolinguistic Study of African American English	POL 43300	International Organization
COM 38000	Sociolinguistic Study of African American English	PSY 25000	Psychology of Adjustment
COM 41200	Theories of Human interaction	PSY 25100	Health Psychology
COM 42300	Leadership, Communication & Organizations	PSY 28500	Consumer Behavior
ECET 29000	International Experience	PSY 32200	Research Design
ECET 38001	Global Professional Issues in ET	SOC 10000	Intro to Sociology
EDPS 23500	Learning and Motivation	SOC 31000	Racial and Ethnic Diversity
EDPS 30000	Student Leadership Development	SOC 33900	Introduction to Sociology of Developing Nations
EDPS 30100	Peer Counselling Training	TECH 33000	Technology and the Global Society
EDPS 31500	Collaborative Leadership: Listening	WGSS 28200	Intro to LGBT Studies
EDPS 31600	Collaborative Leadership: Cross-cultural Settings	WGSS 38000	Gender and Multiculturalism
EDPS 31700	Collaborative Leadership: Mentoring	WGSS 38300	Women and Work
ENGL 41400	Literature & Culture	Any foreign language 200 or higher (201, 202, 301, 302, 401, 402)	
HDFS 23300	Stress and Human Health	PSY-P103	General Psychology
HDFS 28000	Diversity in Individual and Family Life	SOC-S100	Introduction to Sociology
HDFS 33200	Stress & Coping in Contemporary Families	SPCH-S229	Discussion and Group Methods
HEBR 38500	The Holocaust in Modern Hebrew Literature	SPCH-S223	Business and Professional Communication
HIST 19500	Historical Research & Film!	CNIT 32000	Policy, Regulation, and Globalization in information Technology
HIST 30000	Eve of Destruction: Global Crises and World Organization in the 20th Century	TLI 11200	Foundations of Tech. Leadership
HIST 33805	History of Human Rights		
HIST 35000	Science and Society in the 20th-Century World		

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 SW Dev Concepts)		3		
Composition Selective*1		3			CNIT 17600 (Info Tech Architectures)		3		
TLI11200 (Foundations of Org Leadership)		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			Accounting Selective ³		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) Pre-req: CNIT 15500 or 15501		3		
Humanities Foundational Selective*10		3			CNIT 27000 (Cybersecurity Fundamentals) Pre-req: CNIT 17600 & CNIT 15501		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
CNIT 31500 (Systems Programming) Prereq: CNIT 25500 or 25501		3			CNIT 32000 (Policy, Regulation, and Globalization in IT) Pre-req: TECH 12000		3		
CNIT 32200 (Research Method and Design) Pre-req: CNIT 27000		3			CNIT 34220 (Network Administration) Pre-req: CNIT 34000 or CNIT 34010		2		
CNIT 34010 (Unix Fundamentals) Pre-req: CNIT 24200		1			CNIT 34400 (Network Engr Fundamentals) Pre-req: CNIT 24200 & 27000		3		
CNIT 37000 (Introduction to Cryptography) Pre-req: CNIT 24200 & CNIT 27000		3			Professional Writing Selective ⁸		3		
Professional Speaking Selective ⁶		3			Interdisciplinary Selective ¹⁵		3		
Interdisciplinary Selective ¹⁵		3							
TOTAL CREDIT HOURS		16			TOTAL CREDIT HOURS		14		

SEVENTH SEMESTER	SUB/EQ	CR	GR	SEM	EIGHTH SEMESTER	SUB/EQ	CR	GR	SEM
CNIT 45500 (Network Security) Pre-req: (CNIT 34200 or 34220) & (CNIT 34500 or 34400)		3			CNIT 42000 (Basic Cyber Forensics) Pre-req: Classification 4+ in CIT		3		
CNIT 47000 (Incident Response Management) Pre-req: CNIT 32000 and (CNIT 34400 or 34500) Co-rec CNIT 45500		3			CNIT 42200 (Cyber Criminology) Pre-Req: CNIT 32200		3		
Cybersecurity Selective ¹⁶		3			CNIT 47100 (Vulnerability Analysis & Testing) Pre-req: CNIT 37000 & CNIT 45500		3		
Cybersecurity Selective ¹⁶		3			CNIT 48000 (Managing Info Tech Projects) Pre-req: CNIT 28000 & SR STANDING		3		
Communications Selective ⁵		3			Behavioral/Social Sciences Foundational Selective*11		3		
TOTAL CREDIT HOURS		15			TOTAL CREDIT HOURS		15		

CO-CURRICULAR REQUIREMENTS									
Professional IT Experience Requirement ¹⁷		0			Intercultural Requirement ¹⁸		0		

*Fulfills University Core

120 Total

- 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 and GPA in all CNIT courses required for Bachelor of Science degree
- 4) ANY COURSE TAKEN AT PURDUE CAN BE ATTEMPTED NO MORE THAN THREE TIMES (INCLUSIVE OF W, WF, WN, I, and IF)
- 5) Courses in BOLD are essential for the CIT degree critical path to graduation

SEE REVERSE FOR CIT SUPPLEMENTAL INFORMATION