

Columbus CIT SUPPLEMENTAL INFORMATION for COMPUTER & INFORMATION TECHNOLOGY MAJOR

All Prerequisites Must Be Met

Bold denotes Columbus location course offering

*Indicates IUPUC course offering for Columbus location only.

See Student Services Coordinator for course availability.

¹COMPOSITION SELECTIVE

SCLA 10100 Transformative Texts, Critical Thinking & Communication I

³ACCOUNTING SELECTIVE

MGMT 20000 Introductory Accounting (Required for MGMT Minor)

MGMT 20010 Business Accounting

***BUS A201 Introduction to Financial Accounting**

⁵COMMUNICATIONS SELECTIVE

COM 25100 Communication, Information, and Society

COM 22400 Communicating in the Global Workplace

***COMM C223 Business & Professional Communication**

***COMM R321 Persuasion**

***COMM C380 Organizational Communication**

***COMM C322 Advanced Interpersonal Communication**

⁸PROFESSIONAL WRITING SELECTIVE

ENGL 41900 Multimedia Writing

ENGL 42100 Technical Writing

ENGL 42000 Business Writing

***ENG W231 Professional Writing Skills**

²ORAL COMMUNICATIONS SELECTIVE

SCLA 10200 Transformative Texts, Critical Thinking & Communication II

⁴ECONOMICS SELECTIVE

AGEC 21700 Economics or ECON 21000 Principles of Economics

ECON 25100 Microeconomics

ECON 25200 Macroeconomics

***ECON E201 Introduction to Microeconomics**

***ECON E202 Introduction to Macroeconomics**

⁶PROFESSIONAL SPEAKING SELECTIVE

COM 31500 Speech Communication of Technical Information

COM 320 Small Group Communication

COM 41500 Discussion of Technical Problems

***COMM C394 Communication and Conflict**

***COMM C316 Human Communication and the Internet**

***COMM C325 Interviewing Principles & Practice**

⁷STATISTICS SELECTIVE

STAT 22500 Introduction to Probability Models

STAT 30100 Elementary Statistical Methods

STAT 50100 Experimental Statistics I

STAT 51100 Statistical Methods

⁹BUSINESS SELECTIVE

TLI 15200 Business Principles for Organizational Leadership

TLI 11100 Introduction to Manufacturing and Supply Chain Systems

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

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

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>

The following courses are typically offered as non-lab:

***ANTH A103 Human Origins & Prehistory**

***AST A100 The Solar System**

***AST A105 Stars and Galaxies**

***BIOL N100 Contemporary Biology**

***BIOL N212 Human Biology**

***CHEM C101 Elementary Chemistry I**

***CHEM C105 Principles of Chemistry I**

***CHEM C106 Principles of Chemistry II**

***GEOL G109 Fundamentals of Earth History**

***GEOL G110 Physical Geology**

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

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

***BIOL K101 Concepts of Biology**

***BIOL K103 Concepts of Biology II**

***BIOL N108 Plants, Animals, & Environment**

***BIOL N212 + N213 Human Biology + Lab**

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

***CHEM C101 + C121 Elementary Chem I + Lab**

***CHEM C105 + C125 Principles of Chem I + Lab**

***CHEM C106 + C126 Principles of Chem II + Lab**

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

***GEOL G110 + G120 Physical Geology + Lab**

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

***PHYS 15200 Mechanics**

***PHYS 21800 General Physics I**

***PHYS 21900 General Physics II**

SLHS 30600 Introduction to Phonetics

¹⁵**Interdisciplinary 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>

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

¹⁷**PROFESSIONAL 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

¹⁸**GLOBALIZATION REQUIREMENT**

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*
- Earn three credit hours in a global culture course:

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

Global/Cultural Course Options:

AAS 27100	Intro to African American Studies	HIST 33805	History of Human Rights
AAS 37300	Variable Title: History of Injustice	HIST 35000	Science and Society in the 20th-Century World
AGR 20100	Communication Across Cultures	HIST 36600	Hispanic Heritage of the USA
ANSC 38100	Leadership for a Diverse workplace	HIST 37700	History & Culture of Native America
ANTH 20300	Biological Bases of Human Social Behavior	HIST 46900	Black Civil Rights Movement
ANTH 20500	Human cultural Diversity	HIST 47900	American Representations of Middle East & North Africa
ANTH 21000	Technology and Culture		
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 37300	Self-Presentation & Social Image	POL 32700	Global Green Politics
COM 38000	Sociolinguistic Study of African American English	POL 36000	Women and the Law
COM 38000	Sociolinguistic Study of African American English	POL 41300	The Human Basis of Politics
COM 41200	Theories of Human interaction	POL 42300	International Environmental Policy
COM 42300	Leadership, Communication & Organizations	POL 42900	Contemporary Political Problems
ECET 29000	International Experience	POL 43300	International Organization
ECET 38001	Global Professional Issues in ET	PSY 25000	Psychology of Adjustment
EDPS 23500	Learning and Motivation	PSY 25100	Health Psychology
EDPS 30000	Student Leadership Development	PSY 28500	Consumer Behavior
EDPS 30100	Peer Counselling Training	PSY 32200	Research Design
EDPS 31500	Collaborative Leadership: Listening	SOC 10000	Intro to Sociology
EDPS 31600	Collaborative Leadership: Cross-cultural Settings	SOC R100	Intro to Sociology
EDPS 31700	Collaborative Leadership: Mentoring	SOC 31000	Racial and Ethnic Diversity
ENGL 41400	Literature & Culture	SOC 33900	Introduction to Sociology of Developing Nations
HDFS 23300	Stress and Human Health	Tech 33000	Technology and the Global Society
HDFS 28000	Diversity in Individual and Family Life	WGSS 28200	Intro to LGBT Studies
HDFS 33200	Stress & Coping in Contemporary Families	WGSS 38000	Gender and Multiculturalism
HEBR 38500	The Holocaust in Modern Hebrew Literature	WGSS 38300	Women and Work
HIST 19500	Historical Research & Film!		
HIST 30000	Eve of Destruction: Global Crises and World Organization in the 20th Century		

Any foreign language 200 or higher (201, 202, 301, 302, 401, 402)

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		
CNIT 17600 (Info Tech Architectures)		3			MA 16010 (Applied Calculus I)* Pre-req: ALEKS Score of 75% or MA 15400 or MA 15800 with minimum grade of C-		3		
General Business Selective ⁹		3			SCLA 10200 Transformative Texts, Critical Thinking & Comm II: Modern World		3		
SCLA 10100 Transformative Texts, Critical Thinking & Comm I: Antiquity to Modernity		3			Behavioral/Social Sciences		3		
TECH 12000 (Design Thinking in Technology) *Pre-req: Polytechnic Major		3			TLI 11200 (Foundations of Org Leadership)		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 25501 (Object-Oriented Programming-Introduction) Prereq: CNIT 15500 or 15501		3			CNIT 28000 (Sys Analysis & Design Methods) Pre-req: CNIT 18000 & Co-Rec CNIT 27200		3		
MA 16020 (Applied Calculus II)* Pre-req: MA 16010 w/ minimum grade C-		3			CNIT 27000 (Cybersecurity Fundamentals) Pre-req: CNIT 15501 & 17600 with minimum grade of C-		3		
Economics Selective ⁴		3			Statistics Selective ⁷ STAT 30100 Pre-req: ALEKS score 50 or MATH 11000 or 11100		3		
Communications Selective ⁵		3			Free Elective ¹⁶		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) or CNIT 39200 (Enterprise Data Management) Pre-req: CNIT 27200		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
Science Selective ^{*13}		3			CNIT 48000 (Managing Info Tech Projects) Pre-req: CNIT 28000 & SR STANDING		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			Lab Science Selective ^{*14} Foundational Selective ^{*11}		3		
TOTAL CREDIT HOURS		15			TOTAL CREDIT HOURS		15		

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

*Fulfills University Core

120 Total

- Students must earn a C- or better in all CNIT courses that are a prerequisite to another CNIT course
- 120 semester credits listed above are required for the Bachelor of Science degree
- 2.0 Graduation GPA required for Bachelor of Science degree
- 2.0 Graduation GPA in all CNIT courses required for Bachelor of Science degree
- ANY COURSE TAKEN AT PURDUE CAN BE ATTEMPTED NO MORE THAN THREE TIMES (INCLUSIVE OF W, WF, WN, I, and IF)
- Courses in **BOLD** are considered critical and is a course that must be passed in order to persist and succeed in the CIT major

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

SEE REVERSE FOR CIT SUPPLEMENTAL INFORMATION