

Computer & Information Technology Degree
Information Systems and Technology Option

Associate Degree Requirements (63 cr. hrs.)

FIRST SEMESTER					SECOND SEMESTER				
REQUIRED COURSES	SUB/EQUIV	CR	GR	SEM	REQUIRED COURSES	SUB/EQUIV	CR	GR	SEM
C&IT 141 - Internet Foun, Tech, & Dev	CIS 252	3			C&IT 155 - Intro to Obj-Oriented Prog	CIS 232 and 237	3		
C&IT 176 - Info Tech Architectures	CIS 106	3			C&IT 180 - Intro to Systems Dev	CIS 201	3		
MA 154 - Algebra & Trigonometry II	MAT 132	3			MA 223 - Intro Analysis I (Calculus I)	MAT 201 or 211	3		
ENGL 101 - English Comp I	ENG 111	3			ENGL 102 - English Comp II	ENG 112	3		
General Business Selective ¹		3			COM 114 - Fund of Speech Comm	COM 101	3		
TOTAL CREDIT HOURS		15			TOTAL CREDIT HOURS		15		

THIRD SEMESTER					FOURTH SEMESTER				
REQUIRED COURSES	SUB/EQUIV	CR	GR	SEM	REQUIRED COURSES	SUB/EQUIV	CR	GR	SEM
C&IT 255 - Prog for the Internet	Take at PNC	3			C&IT 276 - Sys Soft & Networking	CIS 202	3		
C&IT 272 - Database Fundamentals	CIS 231	3			C&IT 280 - Sys Analy & Design Mth	CIS 203	3		
OLS 252 - Human Behavior in Org	BUS 208	3			C&IT 295 - Object-Oriented Prog	CIS 116 and 236	3		
Problem Solving Selective ²		3			MGMT 200 - Introductory Accounting	ACC 101	3		
Economics Selective ³		3			Statistics Selective ⁵		3		
Speech Communication Selective ⁴		3							
TOTAL CREDIT HOURS		18			TOTAL CREDIT HOURS		15		

Bachelor Degree Requirements (123 cr. hrs.)

FIFTH SEMESTER					SIXTH SEMESTER				
REQUIRED COURSES	SUB/EQUIV	CR	GR	SEM	REQUIRED COURSES	SUB/EQUIV	CR	GR	SEM
C&IT 372 - Database Programming		3			C&IT 384 - Reqs Discovery & Modeling		3		
Information Systems Selective ⁶		3			Information Systems Selective ⁶		3		
Free Elective ⁷		3			Liberal Arts Selective ¹⁰		3		
Professional Speaking Selective ⁸		3			Professional Writing Selective ¹¹		3		
Interdisciplinary Selective ⁹		3			Interdisciplinary Selective ⁹		3		
TOTAL CREDIT HOURS		15			TOTAL CREDIT HOURS		15		

SEVENTH SEMESTER					EIGHTH SEMESTER				
REQUIRED COURSES	SUB/EQUIV	CR	GR	SEM	REQUIRED COURSES	SUB/EQUIV	CR	GR	SEM
C&IT 480 - Managing Info Tech Projs		3			C&IT 485 - Topics in Info Sys & Tech		3		
Information Systems Selective ⁶		3			Information Systems Selective ⁶		3		
Liberal Arts Selective ¹⁰		3			Liberal Arts Selective ¹⁰		3		
Interdisciplinary Selective ⁹		3			Interdisciplinary Selective ⁹		3		
Interdisciplinary Selective ⁹		3			Interdisciplinary Selective ⁹		3		
TOTAL CREDIT HOURS		15			TOTAL CREDIT HOURS		15		

Note: a minimum grade of "C" is required in a prerequisite C&IT course before moving on to its postrequisite course(s).

Also, a minimum GPA of 2.00 calculated for all C&IT courses is required to graduate with any CIT degree.

Students may only repeat a C&IT course for a maximum of two times, including withdrawals.

(Course selectives are listed on the back of this sheet.)

Selectives: (Some courses may not be offered each semester. Ivy Tech substitutions are red and in parentheses.)

¹GBG 127 (BUS 101), IET 104 (Note: before choosing this selective, review the prerequisites for the Interdisciplinary Selectives below.)

²CHEM 111 (CHM 101), CHEM 115 (CHM 105), PHYS 152 (PHY 220), PHYS 218 (PHY 101), PHYS 220

³ECON 210 (ECN 101), ECON 251 (ECN 202), ECON 252 (ECN 201) (Note: before choosing this selective, review the prerequisites for the Interdisciplinary Selectives below.)

⁴(COM 102), COM 314, COM 315, COM 320 (COM 202), COM 415, COM 491 (Business Communication Only)

⁵STAT 213 (MAT 135), STAT 225, STAT 301 (MAT 115) (Note: before choosing this selective, review the prerequisites for the Interdisciplinary Selectives below.)

⁶C&IT 304 - Operating Systems, C&IT 330 - LAN and Systems Administration, C&IT 361 - Software Redesign Using COBOL, C&IT 392 - Enterprise Data Management, C&IT 475 - Electronic Commerce and Business Implementation, C&IT 481 - Information Systems Management

⁷A free elective can be any course, except those considered to be remedial for CIT such as C&IT 107, ENGL 100, MA 153 and below.

⁸COM 315, COM 320, COM 325, COM 415

⁹Students must choose one selective in each of the six Interdisciplinary Areas below. Neither a selective nor its substitute (*sub:*) can be used for more than one Interdisciplinary Area. **NOTE:** Instead of choosing six interdisciplinary selectives a student may substitute up to six courses from any approved, non-CIT minor. If the minor has fewer than six courses, one selective must be chosen from enough Interdisciplinary Areas to bring the total number of minor courses plus Interdisciplinary Selectives to six.

<i>Interdisciplinary Area</i>	<i>Interdisciplinary Selectives</i>	<i>Prerequisites</i>
Business Law	GBG 259 - Law and Society GBG 260 - Business Law OLS 368 - Personnel Law	None GBG 127 None
Finance	IET 250 - Fundamentals of Production Cost Analysis (<i>sub:</i> IET 451) IET 451 - Monetary Analysis for Industrial Decisions (<i>sub:</i> IET 250) MGMT 201 - Managerial Accounting	IET 104+MA 153 IET 104+MA 153 MGMT 200 or equivalent
Manufacturing	CIMT 243 - Automated Manufacturing I IET 204 - Techniques of Maintaining Quality (<i>sub:</i> MET 451) IET 224 - Production Planning and Control IET 268 - Facilities Planning IET 352 - Operations Management MET 451 - Manufacturing Quality Control (<i>sub:</i> IET 204)	IET 104 MA 154+(STAT 213 or STAT 301) IET 104+MA 154 IET 104 None MA 154+(STAT 213 or STAT 301)
Marketing	GBM 329 - Principles of Marketing MGMT 323 - Introduction to Marketing Analysis	GBG 127+MGMT 200+(ECON 251 or 252) None
Organiz Behavior & Human Res	COM 324 - Introduction to Organizational Communication OLS 375 - Training Methods OLS 376 - Human Resources Issues OLS 386 - Leadership for Organizational Change OLS 388 - Leadership through Teams PSY 372 - Introduction to Industrial/Organizational Psychology	COM 114 OLS 252 OLS 252 OLS 252+OLS 274 OLS 252+OLS 274 PSY 120
Quality Control	IET 204 - Techniques of Maintaining Quality (<i>sub:</i> MET 451) IET 364 - Total Quality Management (<i>sub:</i> OLS 484) MET 451 - Manufacturing Quality Control (<i>sub:</i> IET 204) OLS 484 - Leadership Strategies for Quality & Productivity (<i>sub:</i> IET 364)	MA 154+(STAT 213 or STAT 301) IET 104 MA 154+(STAT 213 or STAT 301) OLS 376 or Consent

¹⁰Select courses from these departments only: ANTH, A&D, CDFS, COM, ECON, ENGL, Modern Languages (beyond Level I), HIST, IDIS, MUS, PHIL, POL, PSY, SOC, SWRK, THTR.

¹¹ENGL 420, ENGL 421