

Computer & Information Technology Degree
Networking Option

Associate Degree Requirements (62 cr. hrs.)

FIRST SEMESTER					SECOND SEMESTER				
REQUIRED COURSES	SUB/EQUIV	CR	GR	SEM	REQUIRED COURSES	SUB/EQUIV	CR	GR	SEM
C&IT 101-Orientation to CIT		1			C&IT 155 - Intro to Obj-Oriented Prog		3		
C&IT 141 - Internet Foun,Tech,& Dev		3			C&IT 180 - Intro to Systems Dev		3		
C&IT 176 - Info Tech Architectures		3			MA 223 - Intro Analysis I (Calculus I)		3		
MA 154 - Algebra & Trigonometry II		3			ENGL 102 - English Comp II		3		
ENGL 101 - English Comp I		3			General Business Selective¹		3		
COM 114 - Fund of Speech Comm		3							
TOTAL CREDIT HOURS		16			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		3			C&IT 276 - Sys Soft & Networking		3		
C&IT 272 - Database Fundamentals		3			C&IT 280 - Sys Analy & Design Mth		3		
OLS 252 - Human Rel in Org		3			Speech Communication Selective³		3		
PHYS 220 - General Physics I		4			MGMT 200 - Introductory Accounting		3		
Economics Selective ²		3			Statistics Selective ⁴		3		
TOTAL CREDIT HOURS		16			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 304 - Operating Systems		3			C&IT 330 - LAN & Systems Admin		3		
C&IT 372 - Database Programming		3			Information Systems Selective ⁶		3		
ECET 109 - Digital Fundamentals		3			ECET 159 - Digital Applications [#]		3		
PHYS 221 - General Physics II		4			Liberal Arts Selective ⁷		3		
Professional Speaking Selective ⁵		3			Professional Writing Selective ⁸		3		
TOTAL CREDIT HOURS		16			TOTAL CREDIT HOURS		15		

SEVENTH SEMESTER					EIGHTH SEMESTER				
REQUIRED COURSES	SUB/EQUIV	CR	GR	SEM	REQUIRED COURSES	SUB/EQUIV	CR	GR	SEM
C&IT 343 - Adv Sys & Network Admin		3			C&IT 404 - Adv Network Topics		3		
C&IT 480 - Managing Info Tech Projs		3			C&IT 455 - Network Security		3		
Liberal Arts Selective ⁷		3			Liberal Arts Selective ⁷		3		
Economics Selective ²		3			Interdisciplinary Selective ⁹		3		
Interdisciplinary Selective ⁹		3			Free Elective		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 a maximum of two times, including withdrawals.

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

[#] Students following the Networking option, who wish to receive a Minor in ECET in addition to their CIT degree, can do so by taking two additional ECET courses. Refer to the ECET Department web site at <http://www.pnc.edu/te/ecet/ECETMinor.pdf>

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

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

²ECON 210, ECON 251, ECON 252 (Note: before choosing this selective, review the prerequisites for the Interdisciplinary Selectives below.)

³COM 314, COM 315, COM 320, COM 415, COM 491 (Business Communication Only)

⁴STAT 213, STAT 225, STAT 301 (Note: before choosing this selective, review the prerequisites for the Interdisciplinary Selectives below.)

⁵COM 315, COM 320, COM 325, COM 415

⁶C&IT 350 - Object Oriented Programming, C&IT 475 - Electronic Commerce and Business Implementation,
C&IT 481 - Information Systems Management, or other 300 or above C&IT courses as approved by the CIT Department

⁷Select 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

⁸ENGL 420, ENGL 421

⁹Students must choose one selective in two of the six Interdisciplinary Areas below. Neither a selective nor its substitute (*sub:*) can be used for more than one Interdisciplinary Area.

<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