

**Department of Computer & Information Technology
Networking Option**

Associate Degree Requirements (64 cr. hrs.)

FIRST SEMESTER					SECOND SEMESTER				
REQUIRED COURSES	SUB/EQUIV	CR	GR	SEM	REQUIRED COURSES	SUB/EQUIV	CR	GR	SEM
CPT 141 - Internet Foun, Tech, & Dev		3			CPT 176 - Info Tech Architectures		3		
CPT 155 - Intro to Obj-Oriented Prog		3			CPT 180 - Intro to Systems Dev		3		
MA I**		3			CPT 255 - Prog for the Internet		3		
ENGL 101 - English Comp I		3			MA II**		3		
General Business Selective ¹		3			ENGL 102 - English Comp II		3		
TOTAL CREDIT HOURS		15			OLS 252 - Human Rel in Org		3		
					TOTAL CREDIT HOURS		18		

THIRD SEMESTER					FOURTH SEMESTER				
REQUIRED COURSES	SUB/EQUIV	CR	GR	SEM	REQUIRED COURSES	SUB/EQUIV	CR	GR	SEM
CPT 272 - Database Fundamentals		3			CPT 280 - Sys Analy & Design Mth		3		
CPT 276 - Sys Soft & Networking		3			CPT 295 - Object-Oriented Prog		3		
COM 114 - Fund of Speech Comm		3			Statistics Selective ⁴		3		
Problem Solving Selective ²		4			MGMT 200 - Intro Accounting		3		
Economics Selective ³		3			Communications Selective ⁵		3		
TOTAL CREDIT HOURS		16			TOTAL CREDIT HOURS		15		

Bachelors Degree Requirements (125 cr. hrs.)

FIFTH SEMESTER					SIXTH SEMESTER				
REQUIRED COURSES	SUB/EQUIV	CR	GR	SEM	REQUIRED COURSES	SUB/EQUIV	CR	GR	SEM
CPT 330 - LAN & Systems Admin		3			CPT 372 - Database Prog I		3		
ECET 109 - Digital Fundamentals ¹¹		3			ECET 159 - Digital Applications ¹¹		3		
CPT 304 - Operating Systems		3			CPT 343 - Adv Sys & Network Admin		3		
PHYS 221 - General Physics II		4			Professional Writing Selective ⁸		3		
Professional Speaking Selective ⁶		3			Liberal Arts Selective ⁹		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
CPT 455 - Network Security		3			CPT 404 - Adv Network Topics		3		
CPT Selective ¹⁰		3			CPT 480 - Managing Info Tech Projs		3		
Liberal Arts Selective ⁹		3			Liberal Arts Selective ⁹		3		
Economics Selective ³		3			Communications Selective ⁵		3		
Interdisciplinary Selective ⁷		3			Interdisciplinary Selective ⁷		3		
TOTAL CREDIT HOURS		15			TOTAL CREDIT HOURS		15		

*Students planning to transfer to West Lafayette after receiving their associate degree should take MA 223 and MA 224 instead.

**See advisor for math requirements.

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

Also, a minimum GPA of 2.00 calculated for all CPT courses is required to graduate with any CPT degree.

Students may only repeat a CPT course a maximum of two times, including withdrawals.

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

Selectives: (Some may not be offered each semester.)

¹ IET 104, GBG 127

² CHEM 111, CHEM 115, PHYS 152, PHYS 220 (Note: Students in the Networking Option MUST take PHYS 220)

³ ECON 210, ECON 251, ECON 252

⁴ STAT 213, STAT 225, STAT 301

⁵ COM 314, COM 315, COM 320, COM 415, COM 491

⁶ COM 315, COM 320, COM 325, COM 415, OLS 375

⁷ Students must select one course from two of the following six interdisciplinary areas.

<i>Interdisciplinary area</i>	<i>Interdisciplinary Selectives</i>
Business Law	GBG 260 - Business Law GBG 259 - Law and Society
Finance	MGMT 201 - Managerial Accounting IT 451 - Monetary Analysis for Industrial Decisions GBG 333 - Principles of Finance
Manufacturing	CIMT 243 - Automated Manufacturing I MET 451 - Manufacturing Quality Control IET 224 - Production Planning & Control IET 268 - Facilities Planning
Marketing	MGMT 323 - Introduction to Marketing Analysis GBM 329 - Principles of Marketing
Organiz Behavior & Human Res	COM 324 - Introduction to Organizational Communication OLS 376 - Human Resources Issues OLS 454 - Gender and Diversity in Management OLS 477 - Conflict Management OLS 486 - Management of Change PSY 372 - Introduction to Industrial Organization Psychology
Quality Control	MET 451 - Manufacturing Quality Control OLS 484 - Leadership Strategies for Quality & Productivity IET 364 - Total Quality Management

⁸ ENGL 420, ENGL 421

⁹ Select courses from these departments only: A&D, COM, ECON, ENGL, HIST, IDIS, Modern Languages (beyond Level I), MUS, PHIL, POL, PSY, SOC, THTR, CDFS: 211, 255, 432.

¹⁰ CPT 392 - Database Programming II

CPT 475 - Electronic Commerce and Business Implementation

CPT 481 - Information Systems Management

CPT 499R - Enterprise Resource Planning Applications

NOTE: Students who wish to also get a Minor in ECET can take two additional courses in ECET, as indicated on the Web site for that department at <http://www.pnc.edu/te/ecet/ECETMinor.pdf>.