

**Information Systems and Technology (IST) 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 180 - Intro to Systems Dev		3		
CPT 155 - Intro to Obj-Oriented Prog		3			CPT 255 - Prog for the Internet		3		
MA 223 - Intro Analy I (Calculus I)		3			MA 224 - Intro Analy II (Calculus II)		3		
ENGL 101 - English Comp I		3			ENGL 102 - English Comp II		3		
General Business Selective <sup>1</sup>		3			OLS 252 - Human Rel in Org		3		
TOTAL CREDIT HOURS		15			TOTAL CREDIT HOURS		15		

SUMMER SESSION					*Note: CPT 176 may occasionally be offered in the fall or spring semesters. Regardless of when it is offered, the delivery method will always be via Distance Learning.
REQUIRED COURSES	SUB/EQUIV	CR	GR	SEM	
CPT 176 - Info Tech Architectures*		3			
TOTAL CREDIT HOURS		3			

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		4			CPT 295 - Object-Oriented Prog		3		
COM 114 - Fund of Speech Comm		3			Statistics Selective <sup>4</sup>		3		
Problem Solving Selective <sup>2</sup>		3			Accounting Selective <sup>5</sup>		3		
Economics Selective <sup>3</sup>		3			Communications Selective <sup>6</sup>		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 372 - Database Programming I		3			Information Systems Selective <sup>10</sup>		3		
CPT 380 - Adv Analy & Design		4			Information Systems Selective <sup>10</sup>		3		
Free Elective <sup>7</sup>		3			Liberal Arts Selective <sup>11</sup>		3		
Professional Speaking Selective <sup>8</sup>		3			Professional Writing Selective <sup>12</sup>		3		
Interdisciplinary Selective <sup>9</sup>		3			Interdisciplinary Selective <sup>9</sup>		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
Information Systems Selective <sup>10</sup>		3			CPT 480 - Managing Info Tech Projs		3		
Information Systems Selective <sup>10</sup>		3			Information Systems Selective <sup>10</sup>		3		
Liberal Arts Selective <sup>11</sup>		3			Liberal Arts Selective <sup>11</sup>		3		
Interdisciplinary Selective <sup>9</sup>		3			Interdisciplinary Selective <sup>9</sup>		3		
Interdisciplinary Selective <sup>9</sup>		3			Interdisciplinary Selective <sup>9</sup>		3		
TOTAL CREDIT HOURS		15			TOTAL CREDIT HOURS		15		

Note: a minimum grade of "C" is required in a prerequisite CPT course before moving on to its postrequisite course(s).  
 Also, a minimum grade point average of 2.00 calculated for all CPT courses is required for graduating with any CPT degree.  
 Students may only take a CPT course a maximum of three times. This includes all withdrawals.

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

**Selectives:** (Only courses shown in **bold** are offered at the North Central campus. Some may not be offered each semester.)

<sup>1</sup>**IET 104**, IT 104, BUS W100\*\*, BUS X100\*\*

<sup>2</sup>**CHEM 111, CHEM 115, PHYS 152, PHYS 220**, PHIL 120, PHIL 150, PHYS 218, CHEM C101\*\*, PHIL P150\*\*, PHIL P162\*\*

<sup>3</sup>**ECON 210, ECON 251, ECON 252**, AGECE 217, ECON E103\*\*, ECON E104\*\*, ECON E201\*\*, ECON E202\*\*

<sup>4</sup>**STAT 225, STAT 301**, STAT 433, STAT 501, STAT 511, ECON E270\*\*, MA K310\*\*, STAT K310\*\*

<sup>5</sup>**MGMT 200**, MGMT 190, BUS A201\*\*

<sup>6</sup>**COM 314, COM 315, COM 320, COM 415, COM 491**, COM 210, SPCH C281\*\*, SPCH S122\*\*, SPCH S223\*\*, SPCH S229\*\*

<sup>7</sup>With the exception of remedial courses (including **CPT 107/135, ENGL 100, MA 151/153/154**) any course may fulfill this requirement.

<sup>8</sup>**COM 315, COM 320, COM 325, COM 415, OLS 474**, COM C223\*\*, COM C380\*\*

<sup>9</sup>Students must select one course from each of the following six interdisciplinary areas.

<i>Interdisciplinary area</i>	<i>Interdisciplinary Selectives</i>	<i>PNC Courses to use</i>
Business Law	MGMT 354 - Legal Foundation for Business I MGMT 455 - Legal Background for Business I BUS L203 - Commercial Law**	<b>GBG 260</b>
Finance	<b>MGMT 201 - Managerial Accounting</b> IT 451 - Monetary Analysis for Industrial Decisions MGMT 310 - Principles of Finance IT 450 - Production Cost Analysis BUS A202 - Introduction to Managerial Accounting**	<b>MGMT 201 IET 451 GBG 333</b>
Manufacturing	<b>CIMT 243 - Automated Manufacturing I</b> <b>MET 451 - Manufacturing Quality Control</b> CIMT 400 - Computer-Integrated Manufacturing IE 477 - Work Methods and Measurements IT 345 - Automatic Identification and Data Capture	<b>CIMT 243 MET 451</b>
Marketing	<b>MGMT 323 - Introduction to Marketing Analysis</b> MGMT 324 - Marketing Management	<b>MGMT 323 GBM 329</b>
Organiz Behavior & Human Res	<b>COM 324 - Introduction to Organizational Communication</b> <b>OLS 375 - Training Methods</b> <b>OLS 376 - Human Resources Issues</b> <b>OLS 477 - Conflict Management</b> <b>OLS 486 - Management of Change</b> <b>PSY 372 - Introduction to Industrial Organization Psychology</b> OLS 351 - Innovation and Entrepreneurship OBHR 300 - Management of Human Resources** OBHR 330 - Organizational Behavior**	<b>COM 324 OLS 375 OLS 376 OLS 477 OLS 486 PSY 372</b>
Quality Control	<b>MET 451 - Manufacturing Quality Control</b> <b>OLS 484 - Leadership Strategies for Quality &amp; Productivity</b> CIMT 451 - Manufacturing Quality Control IT 342 - Introduction to Statistical Quality	<b>MET 451 OLS 484</b>

<sup>10</sup>**CPT 361 - Software Redesign Using COBOL, CPT 392 - Database Programming II, CPT 475 - Electronic Commerce and Business Implementation, CPT 499M - Information Systems Management, CPT 499R - Enterprise Resource Planning Applications**, CGT 256 - Human Computer Interface Theory and Design, CPT 450 - Enterprise Application Development, CPT 488 - Data Warehousing, IT 345 - Automatic Identification and Data Capture  
TECH 552 - Information Technology Project Management, TECH 581B - Business Process Redesign

<sup>11</sup>Select courses from these departments only: Anthropology, Art & Design, Classics, Communication, Economics, Education (non-PNC only), English, History, Interdisciplinary Studies, Modern Languages (beyond Level I), Music, Philosophy, Political Science, Psychology, Sociology, Theater, and the following courses in Child Development and Family Studies: 211, 255, 432, 201 (2 credits), 301 (2 credits), or 430.

<sup>12</sup>**ENGL 420, ENGL 421, ENGL 424, TCM 220\*\*, ENGL W231\*\*, ENGL W321\*\*, ENGL W350\*\*, BUS X204\*\***

\*\*This course is a non-Purdue University course.