

2014-2015 Academic Year

**Plan of Study for the Associate of Applied Business Degree in
Information Technology -
Programming and Software Development Option**

Datatel Program Code	ITPSD.AAB
COTC Major Number	002061
CIP Code	11.0201

A grade of C (2.00) or better is required for all courses listed as prerequisites for advanced courses (as indicated by the # next to Course Name).

*The student who successfully completes the courses listed below on this Plan of Study will earn an
Associate of Applied Business Degree in Information Technology - Programming and Software Development.*

KEY: * Indicates this course has a prerequisite; please see the Course Description Section on the COTC Web Page
Indicates this course requires a C grade or better for ITSPD.AAB students in order to progress and graduate from the program
NT - Indicates this course fulfills a Non-Technical Course Requirement on this Plan of Study
NT Elec - Indicates Elective Choice in the Non-Technical course requirement category
T - Indicates this course fulfills a Technical Course Requirement on this Plan of Study
T Elec - Indicates Elective Choice in the Technical course requirement category

TAG, C-TAG, OTM - Designation in this column indicates this course has been approved by the Ohio Board of Regents as a Transfer Assurance Guide (TAG), Career Technical Assurance Guide (C-TAG), or Ohio Transfer Module (OTM) course. Please follow this link on the COTC web site for more information: <http://www.cotc.edu/current-students/tags-transfer-module/Pages/index.aspx>

Course Name	Course Title	Course Credit Hours	Weekly Contact Hours	Tech, Non-Tech or Elective	Semester(s) Course Offered	SEM Course Approved As A TAG, C-TAG or OTM	Equivalent Quarter Course	Equivalent Quarter Cr Hrs
SEMESTER 1								
BUS-105	Introduction to Business	3.00	3.00	NT	AU	----	BMT-2014	4.00
# CIT-102	Computer Applications for Technology Specialists	3.00	5.00	NT	AU	----	CMP-2502	3.00
# CIT-105	Principles of Computer Programming	3.00	5.00	T	AU	----	CMP-2596	4.00
CIT-110	Operating Systems & Security	3.00	5.00	T	AU	----	CMP-2592	4.00
* # ENGL-112	Composition I	3.00	4.00	NT	SM,AU,SP	OTM	COM-1535	4.00
TOTAL CREDIT & CONTACT HOURS		15.00	22.00					
SEMESTER 2								
* CIT-115	Math for Information Technology	3.00	3.00	NT	SP	----	MTH-2553	5.00
* # CIT-150	Internet Programming I	3.00	5.00	T	SP	----	CMP-2598	4.00
# CIT-160	Database	3.00	5.00	T	SP	----	CMP-2594	4.00
* CIT-205	Advanced C++	3.00	5.00	T	SP	----	CMP-2587	4.00
* ENGL-208	Technical Writing	3.00	4.00	NT	SM,AU,SP	----	COM-1525	3.00
	Non-Technical Elective - Arts & Humanities	3.00	3.00	NT ELEC	See Choices Below			
TOTAL CREDIT & CONTACT HOURS		18.00	25.00					
SEMESTER 3								
* # CIT-130	Visual Basic I	3.00	5.00	T	AU	----	CMP-2576	4.00
* CIT-210	Systems Analysis & Design	4.00	6.00	T	AU	----	CMP-2593	5.00
# CIT-215	IT Project Management	3.00	4.00	NT	AU	----	CMP-2540	4.00
* # CIT-250	Internet Programming II	3.00	5.00	T	AU	----	CMP-2599	4.00
	Non-Technical Elective - Lab Science	4.00	5.00	NT ELEC	See Choices Below			
TOTAL CREDIT & CONTACT HOURS		17.00	25.00					

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SEMESTER 4								
* CIT-140	Java Programming	3.00	5.00	T	SP	----	CMP-2564	4.00
* CIT-255	Internet Programming III	3.00	5.00	T	SP	----	None	----
SPCH-100	Fundamentals of Communication	3.00	3.00	NT	SM,AU,SP	TAG	COM-1534	4.00
	Non-Technical Elective - Social & Behavioral Sciences	3.00	3.00	NT ELEC	See Choices Below			
	Technical Elective - General	3.00	6.00	T ELEC	See Choices Below			
	Technical Elective - IT Capstone	2.00	11.00	T ELEC	See Choices Below			
TOTAL CREDIT & CONTACT HOURS		17.00	33.00					

Total Semester Credit Hours Required for Completion of Degree	67.00
<i>Non-Technical Required Semester Credit Hours</i>	31.00
<i>Technical Required Semester Credit Hours</i>	36.00

Non-Technical Electives - Arts and Humanities								
Total of 3.00 Semester Credit Hours Required to Complete this Degree								
* PHIL-100	Critical Thinking	3.00	3.00	NT Elec	SM,AU,SP	OTM	BHS-1006	3.00
* PHIL-150	Introduction to Philosophy	3.00	3.00	NT Elec	SM,AU,SP	TAG	None	----
* PHIL-200	Introduction to Ethics	3.00	3.00	NT Elec	SM,AU,SP	TAG, OTM	BHS-1340	3.00
	SPAN-101 Spanish I	3.00	3.00	NT Elec	AU	----	None	----
* SPAN-102	Spanish II	3.00	3.00	NT Elec	SP	----	None	----
Non-Technical Elective - Lab Science								
Total of 3.00 Semester Credit Hours Required to Complete this Degree								
	BIO-105 Environmental Science	4.00	5.00	NT Elec	SM,AU,SP	OTM	BIO-1730	5.00
* BIO-120	General Biology	4.00	5.00	NT Elec	SM,AU,SP	OTM	BIO-1740	5.00
* BIO-121	Human Biology	4.00	5.00	NT Elec	SM,AU,SP	OTM	BIO-1745	5.00
	BIO-140 General Ecology	4.00	5.00	NT Elec	SM,AU,SP	OTM	----	----
* CHEM-100	Basic Chemistry	4.00	5.00	NT Elec	SM,AU,SP	OTM	None	----
* CHEM-101	General Organic Chemistry	4.00	5.00	NT Elec	SM,AU,SP	OTM	CHM-1710	6.00
* CHEM-102	Fundamental Chemistry	4.00	5.00	NT Elec	SM,AU,SP	----	CHM-1713	6.00
* PHYS-100	General Physics	4.00	5.00	NT Elec	SM,AU,SP	----	PHY-1721	5.00
Non-Technical Elective - Social and Behavioral Sciences								
Total of 3.00 Semester Credit Hours Required to Complete this Degree								
* PSY-100	Introduction to Psychology	3.00	3.00	NT Elec	SM,AU,SP	TAG, OTM	BHS-1376	5.00
* PSY-200	Abnormal Psychology	3.00	3.00	NT Elec	SM,AU,SP	TAG, OTM	BHS-1378	3.00
* PSY-220	Social Psychology	3.00	3.00	NT Elec	SM,AU,SP	TAG	BHS-1370	5.00
	SOC-100 Introduction to Sociology	3.00	3.00	NT Elec	SM,AU,SP	TAG, OTM	BHS-1382	3.00
	SOC-110 Cultural Diversity	3.00	3.00	NT Elec	SM,AU,SP	TAG, OTM	BHS-1379	3.00

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Technical Elective - General								
Total of 3.00 Semester Credit Hours Required to Complete this Degree								
ACCT-111	Financial Accounting	3.00	4.00	T Elec	AU	TAG	ACC-2113 & ACC-2114	5.00 & 5.00
BUS-125	PC Applications in Business	3.00	4.00	T Elec	AU	TAG	BMT-2464	4.00
BUS-155	Spreadsheet Applications	4.00	4.00	T Elec	AU	-----	BMS-2037 & BMS-2038	3.00 & 3.00
CIT-101	User Support Concepts	3.00	4.00	T Elec	AU	-----	CMP-2501	3.00
CIT-103	Technology Integration Support	3.00	5.00	T Elec	SP	-----	CMP-2505	3.00
CIT-120	PC Hardware: Troubleshooting & Maintenance	3.00	5.00	T Elec	AU	C-TAG	EET-3039	3.00
CIT-125	Networking	4.00	6.00	T Elec	SP	-----	EET-3306 & EET-3326	3.00 & 4.00
* CIT-230	Visual Basic II	3.00	5.00	T	SP	-----	CMP-2580	4.00
CIT-265	Diaster Recovery & Business Continuity	3.00	4.00	T Elec	SP	-----	CMP-2541	3.00
DMD-101	Digital Software Fundamentals	1.00	3.00	T Elec	AU	-----	DMD-3860	2.00
DMD-104	Design Fundamentals	3.00	5.00	T Elec	SP	-----	DMD-3820	3.00
DMD-106	Mass Media Communication	3.00	4.00	T Elec	SP	TAG	DMD-3836	3.00
DMD-120	Web Design and Development I	1.00	5.00	T Elec	AU	-----	DMD-3839	3.00
* DMD-203	Interactive and Mobile Site Design	3.00	5.00	T Elec	AU	-----	DMD-3864	3.00
Technical Elective - IT Capstone/ Internship/ Work Experience								
Total of 2.00 Semester Credit Hours Required to Complete this Degree								
* CIT-240	IT Specialist Capstone	2.00	4.00	T Elec	SP	-----	CMP-2565	3.00
* CIT-270	Programming & Software Development Capstone	2.00	4.00	T Elec	SP	-----	CMP-2565	3.00
* CIT-291	IT Internship	2.00	8.00	T Elec	SP	-----	CMP-2551	3.00
* CIT-297	IT Cooperative Work Experience	2.00	11.00	T Elec	SP	-----	CMP-2552	3.00

The College Reserves the Right to Change Curricula Without Notice.

REVISED - JUNE, 2014