

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 Information Technology (CIT) courses listed as prerequisites for advanced courses.

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

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	SM,AU,SP	----	BMT-2014	4.00
CIT-102	Computer Applications for Technology Specialists	3.00	5.00	NT	SM,AU,SP	----	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-110	Composition I	3.00	3.00	NT	SM,AU,SP	OTM	COM-1535	4.00
IDS-100	Campus Connections	1.00	2.00	NT	SM,AU,SP	----	None	----
TOTAL CREDIT & CONTACT HOURS		16.00	23.00					
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-206	Technical Writing	3.00	3.00	NT	SM,AU,SP	TAG	COM-1525	3.00
	Technical Elective - General	3.00	6.00	T ELEC	See Choices Below			
TOTAL CREDIT & CONTACT HOURS		18.00	27.00					
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-250	Internet Programming II	3.00	5.00	T	AU	----	CMP-2599	4.00
* MATH-140	College Algebra	3.00	3.00	NT	SM,AU,SP	OTM	MTH-1215	5.00
	Non-Technical Elective - Lab Science	4.00	5.00	NT ELEC	See Choices Below			
TOTAL CREDIT & CONTACT HOURS		17.00	24.00					

The College Reserves the Right to Change Curricula Without Notice.

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Programming and Software Development Major

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SEMESTER 4								
* CIT-140	Java Programming	3.00	5.00	T	SP	----	CMP-2564	4.00
* CIT-230	Visual Basic II	3.00	5.00	T	SP	----	CMP-2580	4.00
SPCH-100	Fundamentals of Communication	3.00	3.00	NT	SM,AU,SP	TAG	COM-1534	4.00
	Non-Technical Elective - Arts & Humanities	3.00	3.00	NT ELEC	See Choices Below			
	Non-Technical Elective - Social & Behavioral Sciences	3.00	3.00	NT ELEC	See Choices Below			
	Technical Elective - IT Capstone	2.00	10.00	T ELEC	See Choices Below			
TOTAL CREDIT & CONTACT HOURS		17.00	29.00					

Total Semester Credit Hours Required for Completion of Degree	68.00
<i>Non-Technical Required Semester Credit Hours</i>	32.00
<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	----	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	----	BIO-1740	5.00
* BIO-121	Human Biology	4.00	5.00	NT Elec	SM,AU,SP	----	BIO-1745	5.00
* CHEM-101	General Organic Chemistry	4.00	5.00	NT Elec	SM,AU,SP	----	CHM-1710	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								
* PSYCH-100	Introduction to Psychology	3.00	3.00	NT Elec	SM,AU,SP	TAG, OTM	BHS-1376	5.00
* PSYCH-220	Abnormal Psychology	3.00	3.00	NT Elec	SM,AU,SP	TAG, OTM	BHS-1378	3.00
* PSYCH-230	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	SM,AU,SP	-----	BMT-2464	4.00
BUS-155	Spreadsheet Applications	4.00	4.00	T Elec	SM,AU,SP	-----	BMS-2037 & BMS-2038	3.00 & 3.00
CIT-101	Help Desk Concepts	3.00	4.00	T Elec	AU,SP	-----	CMP-2501	3.00
CIT-103	Technology Integration Support	3.00	5.00	T Elec	AU,SP	-----	CMP-2505	3.00
CIT-120	PC Hardware: Troubleshooting & Maintenance	3.00	5.00	T Elec	AU,SP	C-TAG	EET-339	3.00
CIT-125	Networking	4.00	6.00	T Elec	AU,SP	-----	EET-3306 & EET-3326	3.00 & 4.00
DMD-101	Digital Software Fundamentals	1.00	3.00	T Elec	AU,SP	-----	DMD-3860	2.00
DMD-104	Design Fundamentals	3.00	5.00	T Elec	AU,SP	-----	DMD-3820	3.00
DMD-106	Mass Media Communication	3.00	4.00	T Elec	AU,SP	TAG	DMD-3836	3.00
DMD-107	Introduction to e-Life: the Evolving Web	2.00	3.00	T Elec	AU,SP	-----	DMD-3862	3.00
DMD-120	Web Design and Development I	1.00	5.00	T Elec	AU,SP	-----	DMD-3839	3.00
* DMD-203	Interactive and Mobile Site Design	3.00	5.00	T Elec	AU,SP	-----	DMD-3864	3.00
* CIT-197-199	Special Topics in Information Technology	0.50-3.00	0.50-3.00	T Elec	SP	-----	None	-----
* CIT-297-299	Special Topics in Information Technology	0.50-3.00	0.50-3.00	T Elec	SP	-----	None	-----
* ENGRTCH-105	Introtrduction to the Oil & Gas Industry	3.00	4.00	T Elec	SP	-----	None	-----
Technical Elective - IT Capstone								
Total of 2.00 Semester Credit Hours Required to Complete this Degree								
* CIT-270	Programming & Software Development Capstone	2.00	4.00	T Elec	SP	-----	CMP-2565	3.00
CIT-293	IT Internship	1.00	7.00	T Elec	SP	-----	CMP-2551	3.00
CIT-294	IT Internship	1.00	7.00	T Elec	SP	-----	CMP-2551	3.00
CIT-295	IT Cooperative Work Experience	1.00	10.00	T Elec	SP	-----	CMP-2552	3.00
CIT-296	IT Cooperative Work Experience	1.00	10.00	T Elec	SP	-----	CMP-2552	3.00