

**Nashville State Community College
Computer Information Systems
Applications Developer Concentration
A.A.S Degree Plan**

This sequence can be followed by students who begin college-level work in the fall semester. Prerequisites may apply to specific courses; it is the student's responsibility to determine if prerequisites have been met. Additional semesters will be required if prerequisite courses, including Learning Support courses, must be completed. Prior to registering each semester, the student is expected to consult with his/her advisor.

NAME: _____

A# _____

CATALOG YR: 2014 - 2015

FIRST YEAR – FALL SEMESTER					NOTES/COMMENTS
Course No. and Title	Credit	Term	Grade	Prerequisite	
CIS 1030 Program Logic and Design	3			Completion of all competencies in LS reading and math	
CIS 1040 Business for Information Tech.	3			Completion of all competencies in LS reading and writing	
CIS 1170 Web Application Development	3			Completion of all competencies in LS reading and writing	
ENGL 1010 English Composition I	3			Completion of all competencies in LS reading and writing	
MATH 1630 Finite Mathematics	3			Completion of all competencies in LS Math	
Total Credit Hours	15				
FIRST YEAR – SPRING SEMESTER					
Course No. and Title	Credit	Term	Grade	Prerequisite	
SPCH 1112 Speech	3			ENGL 1010	
CIS 1060 Project Management	3			Completion of all competencies in LS reading, writing and math	
CIS 2230 Database Concepts	3				
CIS 2270 JAVA Application Development	3			CIS 1030 with min. grade of C	
MATH 1530 Probability/Statistics	3			Completion of all competencies in LS math	
Total Credit Hours	15				
SECOND YEAR – FALL SEMESTER					
Course No. and Title	Credit	Term	Grade	Prerequisite	
CIS 2180 Dynamic Web Programming	3			(CIS 1170 or COM 1000) with min. grade of C and CIS 2230 with min. grade of C	
CIS 2330 Oracle Database SQL	3			CIS 2230 with min. grade of C	
CIS 2400 Introduction to .NET Programming	3			CIS 2270 with min. grade of C	
Technical Elective	3			See Catalog	
PHIL 1111 Introduction to Ethics	3			Completion of all competencies in LS reading and writing	
Total Credit Hours	15				
SECOND YEAR – SPRING SEMESTER					
Course No. and Title	Credit	Term	Grade	Prerequisite	
CIS 2350 SQL Server	3			CIS 2330 with min. grade of C	
CIS 2420 .NET Windows-Based Client Dev	3			CIS 2400 with min. grade of C	
CIS 2430 .NET Web-Based Client Dev	3			CIS 2400 with min. grade of C	
CIS 2600 IT Professional Capstone	3			CIS 1060, CIS 2180, CIS 2330, CIS 2400 & SPCH 112 – all with grade of "C" or higher	
² Social/Behavioral Science Elective	3			See Catalog	
Total Credit Hours	15				
Total Degree Credit Hours	60				

¹ **Humanities and/or Fine Arts:** Choose from ART 1030; ARTH 2010, 2020; ENGL 2010, 2020, 2030, 2110, 2120, 21332140, 2210, 2220, 2310, 2320; MUS 1030; PHIL 1030, 1111, 2022, 2200; THEA 1030.

² **Social/Behavioral Sciences:** Choose from ECON 2010, 2020; GEOG 1010, 1020; POLS 1030, 2010; **PSYC 1030** (Recommended), 2120, 2130; SOCI 1010, 1020, 2010

³ **History:** Choose from HIST 1110-1120, HIST 2010-2020, HIST 2030

⁴ **Mathematics:** Choose from MATH 1010, MATH 1130, MATH 1530, MATH 1630, MATH 1710, MATH 1720, MATH 1730, MATH 1830, MATH 1910

⁵ **Natural Sciences:** Choose from BIOL 1010-1020, BIOL 1110-1120, BIOL 2010- 2020, BIOL 2115, BIOL 2211, CHEM 1110-1120, CHEM 1030, ASTR 1010, ASTR 1020, GEOL 1040, GEOL 1110, PSCI 1030, PHYS 2010-2020, PHYS 2110-2120, PSCI 1030

^{1 2 3 4 5} The above listed courses in the general education areas of Humanities and/or Fine Arts, Social/Behavioral Sciences, and History are recommendations. Students should consult with his/her advisor regarding other general education course options.