Student ID:_____ **Student Name:**_____ **Adviser Name:**_____	**Catalog: 2015-2016 Catalog** **Program: Computer Information Systems - Application** **Developer Concentration, A.A.S.** **Minimum Credits Required:**_____

Computer Information Systems - Application Developer Concentration, A.A.S.

Computer Information Systems

Associate of Applied Science (A.A.S.)
Contact Information: Program Office 615-353-3771, E-mail: Information.Systems@nscc.edu, Program Site

The Computer Information Systems program prepares students for employment in the Information Technology field. The two concentrations in the CIS program have been developed to map the curriculum to the skill standards that are being used in industry today. The skill standards that the two concentrations are using came from a nationally-accredited study on the skill standards for Information Technology. Using these skill standards will ensure that graduates have the basic skills that employers need, within a framework that emphasizes the development of teamwork, communication, and critical thinking.

Graduates of the program should be able to:

- Identify and understand the supporting roles of Information Technology (IT) in organizations;
- Communicate effectively with stakeholders/ management and end-users regarding problem requirements, resources, and solutions; and
- Demonstrate the ability to analyze, develop and implement various IT processes and applications.

Grading Policy

A student majoring in CIS must receive a "C" or above in each course in order to meet prerequisite requirements for subsequent courses.

Transfer/Advising

The A.A.S. degree is designed to prepare a student for employment upon graduation. Some universities, at their discretion, accept some technical courses for transfer. A student who plans to transfer to a university should consult his/her advisor and the receiving university about transfer and articulation policies. Failure to do so could result in loss of transfer credits.

Note:

"Technical Elective" means that the student may take any course beyond his/her course requirements with a CIS, CISP, CNT or CPT prefix. The exception is CIS 1010 which is not to be taken by CIS majors.

Course Requirements

(For All Computer Information Systems Concentrations)

General Education Classes

Course Name	Credits	Term Taken	Grade	Gen Ed
ENGL 1010 - English Composition I*	3 Credits			
Humanities Elective* 3 Credits				
MATH 1530 - Probability/Statistics*	3 Credits			
MATH 1630 - Finite Mathematics*	3 Credits			
Social Sciences Elective* 3 Credits				
SPCH 1112 - Speech*	3 Credits			
OR				
SPCH 1010 - Fundamentals of Speech Comm*	3 Credits			

Core Classes

Course Name	Credits	Term Taken	Grade	Gen Ed
CIS 1030 - Program Logic and Design	3 Credits			
CIS 1040 - Business for Information Tech	3 Credits			
CIS 1060 - Project Management	3 Credits			
CIS 1170 - Web Application Development	3 Credits			
CIS 2180 - Dynamic Web Programming	3 Credits			
CIS 2230 - Database Concepts	3 Credits			

Course Name	Credits	Term Taken	Grade	Gen Ed
CIS 2270 - Java Application Development	3 Credits			
CIS 2330 - Oracle Database SQL	3 Credits			
CIS 2400 - Intro to .Net Programming	3 Credits			
CIS 2600 - IT Professional Capstone	3 Credits			

Note:

* This course is part of the general education core.

Application Developer Concentration

This concentration is designed to prepare entry-level application developers for employment in the area of business software application development and Web development in creating dynamic Web content and transaction-based Web systems. Graduates of the concentration will have designed, written, tested, and debugged programs in several major programming languages in both individual and team-oriented settings. Both theoretical and practical components are covered throughout the concentration. The concentration will also provide a means for current programmers to upgrade their programming skills by learning new languages.

Additional Course Requirements

Course Name	Credits	Term Taken	Grade	Gen Ed
CIS 2350 - SQL Server	3 Credits			
CIS 2420 - Net Windows-Based Client Dev.	3 Credits			
CIS 2430 - Net Web-Based Client Dev.	3 Credits			
Technical Elective 3 Credits				

Total Required – Associate's Degree: 60 Credits

Recommended Full-Time Schedule

First Year

Fall Semester

Course Name	Credits	Term Taken	Grade	Gen Ed
CIS 1030 - Program Logic and Design	3 Credits			
CIS 1170 - Web Application Development	3 Credits			
ENGL 1010 - English Composition I*	3 Credits			
MATH 1530 - Probability/Statistics*	3 Credits			
Social Sciences Elective* 3 Credits				

Spring Semester

Course Name	Credits	Term Taken	Grade	Gen Ed
CIS 1060 - Project Management	3 Credits			
CIS 2230 - Database Concepts	3 Credits			
CIS 2270 - Java Application Development	3 Credits			
MATH 1630 - Finite Mathematics*	3 Credits			
SPCH 1010 - Fundamentals of Speech Comm*	3 Credits			
OR				
SPCH 1112 - Speech*	3 Credits			

Second Year

Fall Semester

Course Name	Credits	Term Taken	Grade	Gen Ed
CIS 1040 - Business for Information Tech	3 Credits			
CIS 2180 - Dynamic Web Programming	3 Credits			
CIS 2330 - Oracle Database SQL	3 Credits			
CIS 2400 - Intro to .Net Programming	3 Credits			

Course Name	Credits	Term Taken	Grade	Gen Ed
Humanities Elective* 3 Credits				

Spring Semester

Course Name	Credits	Term Taken	Grade	Gen Ed
CIS 2350 - SQL Server	3 Credits			
CIS 2420 - Net Windows-Based Client Dev.	3 Credits			
CIS 2430 - Net Web-Based Client Dev.	3 Credits			
CIS 2600 - IT Professional Capstone	3 Credits			
Technical Elective 3 Credits				

Notes:

Additional course requirements: The Tennessee Board of Regents requires that students either demonstrate the appropriate skill levels in math, reading, and/or writing before enrolling in college-level courses or enroll in appropriate co-requisite experiences with college-level courses to develop competency in those skills while performing college-level work. ACT/SAT scores, COMPASS test scores, or other relevant information determine whether a student needs to enroll in co-requisite courses in math, reading, and/or writing (English).

Cooperative work experience can be an important addition to a student's formal classroom work. Co-op courses may substitute for technical courses with the prior approval of the instructor. The Career Services Office will provide the correct course numbers.

* This course is part of the general education core.

Notes: