Cooperative Education
Cooperative Education work experience in Computer Information Systems can be an important addition to a student’s formal classroom work. Co-op courses, if appropriate, may substitute for technical courses up to nine credit hours with the prior approval of the program coordinator. The Career Employment Center will provide the correct course numbers.

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
Computer Information Systems is a career preparation program that is designed to prepare graduates for direct entry into the job market. Some universities, at their discretion, accept some of the technical courses into their program of study as general electives or direct substitutes. A student that plans to transfer should consult his/her advisor and be aware of transfer practices at the receiving institution.

Note
• “CIS Elective” means that the student may take any course with a CIS prefix listed in this program.
• “CIS Programming Elective” means that the student may take any course listed in the Programmer concentration.

CIS Program Mission
To prepare individuals for the responsibilities of Information Systems development and maintenance careers; to upgrade the skills of current IS professionals; to maintain awareness of the ever-changing IS industry; and to engage in activities to recognize and support the IS training needs of local business and industry.

CIS Program Vision
To be the area’s leading educational institution for the training and development of Information Systems professionals.

For more information about the Computer Information Systems AAS degree, please contact:

David Welch
IT Programs Coordinator
Phone: (615) 353-3410
Email: david.welch@nscc.edu

Or
Donna Svolto
Phone: (615) 353-3771
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Nashville State Community College
120 White Bridge Road
Nashville, TN 37209
http://www.nscc.edu

For general information call:
Tel: 615-353-3333
800-272-7363

Nashville State Community College is a Tennessee Board of Regents institution and complies with nondiscrimination laws Title IV, Title IX, Section 504 and the ADA. NSCC 20-06.
Web Developer Concentration
This program is designed to introduce the student to the variety of skills necessary to create dynamic Web content and transaction-based Web systems. In the initial courses, the student is introduced to HyperText Markup Language (HTML), Cascading Style Sheets for formatting of Web sites, use of HTML editing and Web site development tools, and the concepts of Web site hosting and domain name registration. The student then progresses to more advanced development courses, covering Web scripting on the Client and on the Server, and developing Web systems that interact with databases.

Programmer Concentration
This concentration is designed to prepare entry-level computer programmers for employment in the area of business software application development. 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.

Database Developer Concentration
The database concentration prepares the student for an entry level position in database development and programming. As relational databases become a critical enterprise resource there is a growing need to be able to store, manage and extract data effectively. A student completing this concentration would have the necessary skills to analyze, design, develop and implement a relational database management system (RDBMS).

Systems Analyst Concentration
The Systems Analyst concentration prepares the student to solve computer problems and apply computer technology to meet the needs of their organization. Today’s environment demands that our graduate be able to function within a variety of stakeholders and end-users. The concentration includes diverse disciplines to enhance the communication, research, business, and technology skills of the student.

General Education Classes
ENGL 1010 English Composition I 3
PHIL 1111 Introduction to Ethics 3
MATH 1630 Finite Mathematics 3
MATH 1530 Probability/Statistics 3
Social Sciences Elective 3

Core Classes
CNT 1005 Intro. to Computer Networks 3
CIS 1040 Business for Information Tech. 3
CIS 1030 Program Logic and Design 3
COM 1000 Beginning HTML 3
CIS 1060 Project Management 3
CIS 2270 Java Application Development 3
CIS 2230 Database Concepts 3
CIS 2240 Systems Analysis and Design 3

Web Developer Concentration
CIS 1050 Internet Business Foundations 3
CIS 2275 JavaScript Fundamentals 3
CIS 2360 XML Document Design 3
CIS 2370 Advanced Java 3
CIS 2190 ASP.Net Applications Dev. 3
CIS 2180 Adobe Application Development 3
CIS Elective 2
Total Required – Associate’s Degree 60

Programmer Concentration
CIS 2217 Visual Basic.Net 3
CIS 2220 Intro to C++ Programming 3
CIS 2330 Oracle Database 10g SQL 3
CIS 2218 Advanced Visual Basic.Net 3
CIS 2320 Intro to C# 3
CIS 2370 Advanced Java 3
CIS Elective 2
Total Required – Associate’s Degree 60

Database Developer Concentration
CIS 2235 Advanced Database Concepts 3
CIS 2180 Adobe Application Development 3
CIS 2350 SQL Server 3
CIS 2330 Oracle Database 10g SQL 3
CIS 2340 Oracle Database 10g PL/SQL 3
CIS Programming Elective 3
CIS Elective 2
Total Required – Associate’s Degree 60

Systems Analyst Concentration
BUS 2111 Organizational Behavior 3
CIS 1070 IT Support Skills 3
BUS 2311 Leadership 3
SPCH 1112 Fundamentals of Speech Comm 3
CIS 2060 Advanced Project Management 3
CIS Elective 3
CIS Elective 2
Total Required – Associate’s Degree 60

Computer Information Systems
Associate of Applied Science