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|---|---|
| Student ID:_____<br>Student Name:_____<br>Adviser Name:_____ | Catalog: 2015-2016 Catalog<br>Program: Computer Information Systems - Systems Analyst<br>Concentration, A.A.S.<br>Minimum Credits Required:_____ |

# Computer Information Systems - Systems Analyst 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 | | | |

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|---|---|---|---|---|
| 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.

## 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 graduates be able to function with a variety of stakeholders and end-users. The concentration includes diverse disciplines to enhance the communication, research, business, and technology skills of the student.

## Additional Course Requirements

| Course Name | Credits | Term Taken | Grade | Gen Ed |
|---|---|---|---|---|
| CIS 1070 - Professional Workplace Skills | 3 Credits | | | |
| CIS 2060 - Advanced Project Management | 3 Credits | | | |
| BUSN 2311 - Leadership | 3 Credits | | | |
| BUSN 2350 - Organizational Behavior | 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 | | | |

| Humanities Elective* 3 Credits | | | | |
| --- | --- | --- | --- | --- |

**Spring Semester**

| Course Name | Credits | Term Taken | Grade | Gen Ed |
| --- | --- | --- | --- | --- |
| BUSN 2311 - Leadership | 3 Credits | | | |
| BUSN 2350 - Organizational Behavior | 3 Credits | | | |
| CIS 1070 - Professional Workplace Skills | 3 Credits | | | |
| CIS 2060 - Advanced Project Management | 3 Credits | | | |
| CIS 2600 - IT Professional Capstone | 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:**