

## Computer Information Systems: Associate in Science Degree

**Total Number of Credits: 64**

**Program Description:** This degree positions the student on the path to becoming an information systems professional. Coursework is designed to develop the student's analytical and problem-solving skills, in conjunction with gaining broad-based, hands-on programming experience and proficiency. The program has been designed to equip students to transfer into a typical 4-year information systems degree program.

**Application Requirements:** Assessment score placement in MATH 1025 or above or completion of MATH 0070 with a grade of C or higher; assessment score placement in RDNG 1000 or completion of RDNG 0090 with a grade of C or higher.

### Career/Occupational Requirements: 24 credits

CSCI 1081	Programming Fundamentals (formerly 2011)	3
CSCI 1082	Object-Oriented Programming (formerly 2020)	3
CSCI 2014	Discrete Structures of Computer Science	4
CSCI 2016	Machine Architecture and Organization	4
CSCI 2082	Data Structures and Algorithms (formerly 2040)	3
CSCI 2090	Functional Programming	1

### Career Electives:

As part of the 24-credit career/occupational requirements, the students must also **complete 6 credits from any MATH or CSCI courses**. See a Counselor or faculty member for assistance in selecting courses that align with your career and/or transfer plans.

### General Education/MnTC Requirements: 40 credits

*One (1) additional credit is needed beyond the minimums to reach 40 cr. See recommendations below or MnTC course list for options.*

#### Goal 1 – Communication: 10 credits

ENGL 1021	Composition I	4
ENGL 1022	Composition II	3

#### Select one of the following COMM courses:

COMM 1021	Fundamentals of Public Speaking	3
COMM 1031	Interpersonal Communication	3
COMM 1041	Small Group Communication	3
COMM 1051	Intercultural Communication	3

**Goal 2 - Critical Thinking is automatically fulfilled when all other MnTC goals are complete**

#### Goal 3 – Sciences: 7 credits

Two courses from two different disciplines, with at least one lab course

Recommended: PHYS 1041, 1042, 1081, 1082

#### Goal 4 - Math/Logical Reasoning: 4 credits

MATH 1025	Statistics	4
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OR any MATH course numbered 1061-1082

#### Goal 5 - History/Social and Behavioral Sciences: 9 credits

Three courses from three different disciplines

#### Goal 6 - Humanities and Fine Arts: 9 credits

Three courses from three different disciplines, one of which must be a literature course

#### Goals 7-10: Three credits in each of four goals

*(COMM course fulfills one of these requirements)*

### Suggested Schedule of Career Courses:

#### 2009-2010-First Year Students

Fall Semester		Credits	Spring Semester		Credits
CSCI 1081	Programming Fundamentals	3	CSCI 1082	Object-Oriented Programming	3
			CSCI 2016	Machine Architecture & Organization	4

#### 2009-2010-Second Year Students

Fall Semester		Credits	Spring Semester		Credits
CSCI 2082	Data Structures and Algorithms	3	CSCI 2014	Discrete Structures of Computer Science	4

**General Requirements:**

1. AS: At least 64 earned college-level credits (numbered 1000 or above). At least 20 credits must be earned at Century College.
2. Century college-level GPA of 2.0; required career and occupational courses GPA of 2.0; MnTC GPA of 2.0.
3. A grade of C or higher in ENGL 1021.

**Assessment:** *Assessments are required for all students* before registering for classes. Students may be required to take developmental courses in English, Reading and Mathematics based upon their assessment scores. For important information and exemptions see [www.century.edu/futurestudents/assessment](http://www.century.edu/futurestudents/assessment).

**References to the Minnesota General Education Transfer Curriculum (MnTC):** On this guidesheet, notations such as “Goal 1-Communication: 7 credits” are used to refer to the goals of the Minnesota General Education Transfer Curriculum. Refer to the MnTC Course List for the specific courses from which students may choose to fulfill the MnTC requirements of the program, found in the catalog, the Counseling Center and on the Century website. Students should be aware that it may be necessary to select additional MnTC credits beyond the minimum required in each goal area, to reach the total MnTC/General Education credits required for their program. References to “three disciplines” means students must take a course from three different categories in that goal, for example, English, Philosophy and Music in Goal Six.

**Career Information:** Counselors are available in the Counseling and Career Center, Room 2400 West, to assist with educational and career planning. Resources available include career interest and personality inventories and print and web-based occupational and educational information, e.g., occupational descriptions, employment outlook, earnings, education/training requirements and sources. Consult the *GPS LifePlan* link on the Century website for information on these and more resources for your career, work, and educational planning!

**Transfer:** Some programs are intended primarily for employment preparation rather than transfer to a four-year institution. Some courses may not transfer to a number of four-year colleges. If you are considering the possibility of transfer, you may wish to talk with a counselor or the program instructor before registering to discuss your goals and look at programs designed for transfer. This degree includes the entire MNTC and transfers into the Computer Information Systems Bachelors degree at Metropolitan State University through an articulation agreement. See a counselor if planning to pursue a 4-year computer-related degree.

**Time Limit for Meeting Graduation Requirements:** See Century College catalog “Graduation” for information.

**Academic Petitions:** Any exceptions to the program requirements must be petitioned through the Vice President of Academic Affairs.

<b>Important Phone Numbers: (651 Area Code)</b>		<b>Program Instructors:</b>		
Admission Office	773-1700	Brian Downs (Sabbatical 09-10)	Room 2074 West	779-3490
Counseling Office	779-3285	Michael Gaffney	Room 2072 West	779-3945
Financial Aid Office	779-3305	Robert Niemann	Room 2075 West	779-3252
		James Koehne	Room 2076 West	779-3254