

# Computer Science Associate in Science

### Degree Program Mentor

For additional information regarding this degree, contact the Degree Program Mentor.



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### Program Objective

The objective of the Computer Science Associate in Science is to prepare students for transfer to a bachelor degree granting institution to major in computer science or information systems.

### Requirements for Graduation

1. Sixty-three designated semester credit hours.
2. Grade of "C" or better required in all Major Field Requirement courses.
3. Grade Point Average of 2.0 or better.
4. Fifteen semester credit hours in attendance at SSC.
5. Completion of Graduate Exit Survey.

**Please Note:** Consult with advisor for specific transfer requirements. General Education and Major Field requirements vary between universities.

### For Information Contact:

Science, Technology, Engineering, and Mathematics Division (405) 382-9266

**Transfer Note:** A statewide transfer agreement guarantees students transferring to an Oklahoma public four-year university **with an associate in arts or associate in science degree** the associate degree will satisfy all freshman and sophomore general education requirements at the four-year university.

### General Education Requirements ..... 42

GOV 1113	American National Government .....	3
HIST 1483	American History to 1877 <b>or</b>	
HIST 1493	American History since 1877.....	3
ENG 1113	Composition I .....	3
ENG 1213	Composition II .....	3
SPCH 1143	Speech.....	3
HUM	Any class designated as Humanities .....	6
MATH 1513	Pre-Calculus for Eng-Phys-CS.....	3
SCIENCE	One Life Science with lab <b>and</b>	
	One Physical Science with lab .....	8
CAP 1103	Introduction to Microsoft Office .....	3
HPER 1012	Wellness and Human Development <b>or</b>	
	Two HPER Activity Courses .....	2
STSC 1002	Learning Strategies .....	2
ELECTIVE	Select from Psychology, Social Sciences, World Languages, and Fine Arts.....	3

### Major Field Requirements ..... 15

CAP 2603	Advanced Microsoft Access
CS 1183	Information Security
CS 1313	Programming in Java
CS 2013	Programming in C++
CS 2023	Programming in C++ II

### Major Field Electives and Support..... 6

*Select from the following:*

ACCT 2003	Financial Accounting
CAP 2643	Advanced Microsoft Excel
BA 2113	Macroeconomics
BA 2253	Business Statistics
CS 1003	Elementary Computer Literacy
CS 1113	Programming in Visual Basic
CS 1173	Hardware System Support
CS 2003	Webpage Design Using HTML
CS 2173	Operating Systems
CS 2301-3	Special Projects in Computer Science
ENGR 1113	Introduction to Engineering
MATH 1613	Plane Trigonometry
MATH 2215	Calculus and Analytic Geometry I
MATH 2424	Calculus and Analytic Geometry II
MATH 2434	Calculus and Analytic Geometry III

### MINIMUM TOTAL HOURS REQUIRED FOR ASSOCIATE DEGREE ..... 63

### Suggested Sequence of Major Field Courses

<u>First Semester</u>	<u>Second Semester</u>	<u>Third Semester</u>	<u>Fourth Semester</u>
CS 1003 (FA only)	CS 1183 (SP only)	CS 2173 (FA only)	CAP 2603 (SP only)
CS 2013 (FA only)	CS 2023 (SP only)		CS 1313 (SP only)



# Computer Science - Associate in Science Degree Requirements Checklist 2018-19

A statewide transfer agreement guarantees students transferring to an Oklahoma public four-year university **with an associate in arts or associate in science degree** will satisfy all freshman and sophomore general education requirements at the four-year university.

6 hrs.	<b>GENERAL EDUCATION REQUIREMENTS</b> Social Sciences <input type="checkbox"/> GOV 1113 American National Government <input type="checkbox"/> HIST 1483 American History Survey to 1877 <b>or</b> <input type="checkbox"/> HIST 1493 American History Survey since 1877	4 hrs.	Physical Science <i>Select one of the following:</i> <input type="checkbox"/> CHEM 1114 Introduction to Chemistry <input type="checkbox"/> CHEM 1315 General Chemistry I <input type="checkbox"/> ENVS 1114 Introduction to Environmental Science <input type="checkbox"/> PHYS 1114 General Physical Science <input type="checkbox"/> PHYS 1214 Earth Science <input type="checkbox"/> PHYS 1314 Astronomy <input type="checkbox"/> PHYS 1414 Physical Geology <input type="checkbox"/> PHYS 2114 General Physics I <input type="checkbox"/> PHYS 2224 General Physics II
9 hrs.	Language Arts <input type="checkbox"/> ENG 1113 Composition I <input type="checkbox"/> ENG 1213 Composition II <input type="checkbox"/> SPCH 1143 Speech		
6 hrs.	Humanities <i>Select two of the following:</i> <input type="checkbox"/> HUM _____ <input type="checkbox"/> HUM _____ any course with HUM prefix (list above) <b>or</b> <input type="checkbox"/> ART 1153 Art History I <input type="checkbox"/> ART 1163 Art History II <input type="checkbox"/> ART 1203 Art Appreciation <input type="checkbox"/> ART 2323 Global Studies in Art <input type="checkbox"/> ENG 2043 Global Studies in Language Arts and Humanities <input type="checkbox"/> ENG 2413 Introduction to Literature <input type="checkbox"/> ENG 2433 World Literature I <input type="checkbox"/> ENG 2543 British Literature I <input type="checkbox"/> ENG 2653 British Literature II <input type="checkbox"/> ENG 2753 American Literature I <input type="checkbox"/> ENG 2883 American Literature II <input type="checkbox"/> HIST 2223 Early Western Civilization to 1660 <input type="checkbox"/> HIST 2233 Modern Western Civilization since 1660 <input type="checkbox"/> JOUR 1123 Introduction to Mass Communication <input type="checkbox"/> MUS 1213 Music Appreciation I <input type="checkbox"/> MUS 1223 Music Appreciation II <input type="checkbox"/> SPCH 1523 Introduction to Theatre <input type="checkbox"/> PHIL 1113 Introduction to Philosophy <input type="checkbox"/> SPAN 2103 Global Studies in Spanish	3 hrs.	Computer Applications <input type="checkbox"/> CAP 1103 Introduction to Microsoft Office
		2 hrs.	Health, Physical Education and Recreation <input type="checkbox"/> HPER 1012 Wellness and Human Development <b>or</b> Two HPER Activity Courses
		2 hrs.	Student Success Required during first semester <input type="checkbox"/> STSC 1002 Learning Strategies
		3 hrs.	General Education Elective <input type="checkbox"/> Select from Psychology, Social Sciences, World Languages, and Fine Arts
		42 hrs.	<b>TOTAL REQUIRED GENERAL EDUCATION HOURS</b>
		15 hrs.	<b>MAJOR FIELD REQUIREMENTS</b> <input type="checkbox"/> CAP 2603 Advanced Microsoft Access <input type="checkbox"/> CS 1313 Programming in Java <input type="checkbox"/> CS 1183 Information Security <input type="checkbox"/> CS 2013 Programming in C++ I <input type="checkbox"/> CS 2023 Programming in C++ II
		6 hrs.	<b>MAJOR FIELD ELECTIVES AND SUPPORT</b> <i>Select from the following:</i> <input type="checkbox"/> ACCT 2003 Financial Accounting <input type="checkbox"/> BA 2113 Macroeconomics <input type="checkbox"/> BA 2253 Business Statistics <input type="checkbox"/> CS 1003 Elementary Computer Literacy <input type="checkbox"/> CS 1113 Programming in Visual Basic <input type="checkbox"/> CS 1173 Hardware System Support <input type="checkbox"/> CS 2003 Webpage Design Using HTML <input type="checkbox"/> CS 2173 Operating Systems <input type="checkbox"/> CS 2301-3 Special Projects in Computer Science <input type="checkbox"/> CAP 2643 Advanced Microsoft Excel <input type="checkbox"/> ENGR 1113 Introduction to Engineering <input type="checkbox"/> MATH 1613 Plane Trigonometry <input type="checkbox"/> MATH 2215 Calculus and Analytic Geometry I <input type="checkbox"/> MATH 2424 Calculus and Analytic Geometry II <input type="checkbox"/> MATH 2434 Calculus and Analytic Geometry III
3 hrs.	Mathematics <i>Select one of the following:</i> <input type="checkbox"/> MATH 1513 Pre-Calculus for Eng-Phys-CS <input type="checkbox"/> MATH 1613 Plane Trigonometry <input type="checkbox"/> MATH 2215 Calculus and Analytic Geometry I		
4 hrs.	Life Science <i>Select one of the following:</i> <input type="checkbox"/> AGRI 1104 Introduction to Animal Science <input type="checkbox"/> AGRI 1204 Introduction to Plant and Soil Science <input type="checkbox"/> BIOL 1114 General Biology <input type="checkbox"/> BIOL 1214 Principles of Biology <input type="checkbox"/> BIOL 1224 General Botany <input type="checkbox"/> BIOL 1234 General Zoology	21 hrs.	<b>TOTAL REQUIRED MAJOR FIELD HOURS</b>
		63 hrs.	<b>MINIMUM TOTAL HOURS REQUIRED FOR ASSOCIATE DEGREE</b>

revised 2/2018