Computer Science
Associate in Science

Offered Online

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** that 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 **or**	
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 **and** One Physical Science with lab	8
CAP	1103	Introduction to Microsoft Office	3
HPER	1012	Wellness and Human Development **or** Two HPER Activity Courses	2
STSC	1002	Learning Strategies	2
ELECTIVE		Select from Fine Arts, Psychology, or Social Sciences	3

Major Field Requirements **15**

CS	1033	Introduction to Computers and Computer Logic (FO)
CS	1183	Information Security (SO)
CS	2033	Script Programming (SO)
CS	2013	Programming in C++ I (SO)
CS	2023	Programming in C++ II (FO)

Major Field Electives and Support **6**

Select from the following:

ACCT	2033	Financial Accounting
BA	2113	Macroeconomics
BA	2253	Business Statistics
CS	1003	Elementary Computer Literacy
CS	1113	Programming in Visual Basic
CS	1173	Hardware and Network Systems Support
CS	1303	Ethics in Information Technology
CS	1423	Intro. to Game Development (SO)
CS	2003	Webpage Design Using HTML
CS	2173	Operating Systems
CS	2273	Multimedia Development (SO)
CS	2263	Digital Forensics
CS	2643	Advanced Microsoft Excel
ENGR	1113	Introduction to Engineering (FO)
EST	1113	Introduction to Esports (FO)
EST	2143	Esports Communication (FO)
MATH	1613	Plane Trigonometry (SO)
MATH	2215	Calculus and Analytic Geometry I (SO)
MATH	2424	Calculus and Analytic Geometry II (FO)
MATH	2434	Calculus and Analytic Geometry III (SO)

MINIMUM TOTAL HOURS REQUIRED FOR ASSOCIATE DEGREE **63**

FO=Fall Only   FOO=Fall Odd Yrs Only   FEO=Fall Even Yrs Only
SO=Spring Only SOO=Spring Odd Yrs Only SEO=Spring Even Yrs Only

Computer Science - Associate in Science
Degree Requirements Checklist
2025-26

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.

GENERAL EDUCATION REQUIREMENTS

Social Sciences — 6 hrs.
- ☐ GOV 1113 American National Government
- ☐ HIST 1483 American History Survey to 1877 **or** HIST 1493 American History Survey since 1877

Language Arts — 9 hrs.
- ☐ ENG 1113 Composition I
- ☐ ENG 1213 Composition II
- ☐ SPCH 1143 Speech

Humanities — 6 hrs.
Select two of the following:
- ☐ ART/HUM 1153 Art History I (FO)
- ☐ ART/HUM 1163 Art History II (SO)
- ☐ ART/HUM 1203 Art Appreciation
- ☐ ART 2323 Global Studies in Art (TBD Summer)
- ☐ ENG/HUM 2033 Survey of Native American Literature (SEO)
- ☐ ENG 2043 Global Studies in Language Arts and Humanities (TBD Summer)
- ☐ ENG/HUM 2413 Introduction to Literature (FO)
- ☐ ENG/HUM 2433 World Literature I (SO)
- ☐ ENG/HUM 2443 Introduction to World Mythology (FOO)
- ☐ ENG/HUM 2543 British Literature I (FEO)
- ☐ ENG/HUM 2653 British Literature II (FOO)
- ☐ ENG/HUM 2753 American Literature I (SEO)
- ☐ ENG/HUM 2883 American Literature II (SOO)
- ☐ HIST/HUM 2223 Early Western Civilization to 1660
- ☐ HIST/HUM 2233 Modern Western Civilization since 1660
- ☐ HUM 1103 Life of Jesus (SO)
- ☐ HUM 1113 Old Testament (SO)
- ☐ HUM 1143 New Testament (FO)
- ☐ HUM 2123 Multiculturalism through Film
- ☐ HUM 2153 Crime, Delinquency and Social Science Issues through Film (SO)
- ☐ HUM 2173 Introduction to Film & TV (SO)
- ☐ HUM 2323 Social Science Issues as Perceived through Movies
- ☐ HUM 2333 Leadership Development through the Classics
- ☐ HUM 2343 Global Studies in Humanities
- ☐ MUS/HUM 1213 Music Appreciation I
- ☐ MUS/HUM 1223 Music Appreciation II
- ☐ PHIL 1113 Philosophy (FO)
- ☐ SOC 2433 Global Studies in Culture and Diversity (TBD Summer)
- ☐ SPCH/HUM 1523 Introduction to Theatre (FO)

Mathematics — 3 hrs.
- ☐ MATH 1513 Pre-Calculus for Eng-Phys-CS

Life Science — 4 hrs.
Select one of the following:
- ☐ AGRI 1104 Introduction to Animal Science (FO)
- ☐ AGRI 1204 Introduction to Plant and Soil Science (SO)
- ☐ BIOL 1114 General Biology
- ☐ BIOL 1214 Principles of Biology
- ☐ BIOL 1224 General Botany (SO)
- ☐ BIOL 1234 General Zoology (SO)

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Physical Science — 4 hrs.
Select one of the following:
- ☐ AGRI 2144 Fundamentals of Soil Science (SO)
- ☐ CHEM 1114 Introduction to Chemistry
- ☐ CHEM 1315 General Chemistry I
- ☐ ENVS 1114 Introduction to Environmental Science (FO)
- ☐ PHYS 1114 General Physical Science
- ☐ PHYS 1214 Earth Science
- ☐ PHYS 1314 Astronomy
- ☐ PHYS 1414 Physical Geology
- ☐ PHYS 2114 General Physics I (FO)
- ☐ PHYS 2224 General Physics II (SO)

Computer Applications — 3 hrs.
- ☐ CAP 1103 Introduction to Microsoft Office

Health, Physical Education and Recreation — 2 hrs.
- ☐ HPER 1012 Wellness and Human Development **or** Two HPER Activity Courses

Student Success — 2 hrs.
Required during first semester
- ☐ STSC 1002 Learning Strategies

General Education Elective — 3 hrs.
- ☐ Select from Fine Arts, Psychology, or Social Sciences

TOTAL REQUIRED GENERAL EDUCATION HOURS	42 hrs.

MAJOR FIELD REQUIREMENTS — 15 hrs.
- ☐ CS 1033 Intro. to Computers and Computer Logic (FO)
- ☐ CS 1183 Information Security (SO)
- ☐ CS 2033 Script Programming (SO)
- ☐ CS 2013 Programming in C++ I (SO)
- ☐ CS 2023 Programming in C++ II (FO)

MAJOR FIELD ELECTIVES AND SUPPORT — 6 hrs.
Select from the following:
- ☐ ACCT 2033 Financial Accounting
- ☐ BA 2113 Macroeconomics
- ☐ BA 2253 Business Statistics
- ☐ CS 1003 Elementary Computer Literacy
- ☐ CS 1113 Programming in Visual Basic
- ☐ CS 1173 Hardware and Network Systems Support
- ☐ CS 1303 Ethics in Information Technology
- ☐ CS 1423 Intro. to Game Development (SO)
- ☐ CS 2003 Webpage Design Using HTML
- ☐ CS 2173 Operating Systems
- ☐ CS 2273 Multimedia Development (SO)
- ☐ CS 2263 Digital Forensics (SO)
- ☐ CS 2643 Advanced Microsoft Excel
- ☐ ENGR 1113 Introduction to Engineering (FO)
- ☐ EST 1113 Introduction to Esports (FO)
- ☐ EST 2143 Esports Communication (FO)
- ☐ MATH 1613 Plane Trigonometry (SO)
- ☐ MATH 2215 Calculus and Analytic Geometry I (SO)
- ☐ MATH 2424 Calculus and Analytic Geometry II (FO)
- ☐ MATH 2434 Calculus and Analytic Geometry III (SO)

TOTAL REQUIRED MAJOR FIELD HOURS	21 hrs.

MINIMUM TOTAL HOURS REQUIRED FOR ASSOCIATE DEGREE	63 hrs.

revised 02/2025

Semester by Semester Suggested Degree Plan*
Computer Science - Associate in Science

COURSE NUMBER- COURSE DESCRIPTION	HOURS
FRESHMAN YEAR, FALL	
☐ STSC 1002 LEARNING STRATEGIES	2
☐ ENG 1113 COMPOSITION I	3
☐ MATH 1513 PRE-CALCULUS FOR ENG-PHYS-CS	3
☐ CS 1033 INTRODUCTION TO COMPUTERS AND COMPUTER LOGIC (FO)	3
☐ HIST 1483 AMERICAN HISTORY TO 1877 **OR** HIST 1493 AMERICAN HISTORY SINCE 1877	3
☐ ELECTIVE***	3
TOTAL:	17
FRESHMAN YEAR, SPRING	
☐ ENG 1213 COMPOSITION II	3
☐ CS 1183 INFORMATION SECURITY (SO)	3
☐ CS 2013 PROGRAMMING IN C++ I (SO)	3
☐ GOV 1113 AMERICAN NATIONAL GOVERNMENT	3
☐ LIFE SCIENCE**	4
TOTAL:	16
SOPHOMORE YEAR, FALL	
☐ HUM	3
☐ CAP 1103 INTRODUCTION TO MICROSOFT OFFICE	3
☐ PHYSICAL SCIENCE+	4
☐ CS 2023 PROGRAMMING IN C++ II (FO)	3
☐ MAJOR FIELD ELECTIVE	3
TOTAL:	16
SOPHOMORE YEAR, SPRING	
☐ HUM	3
☐ HPER 1012 WELLNESS AND HUMAN DEVELOPMENT	3
☐ CS 2033 SCRIPT PROGRAMMING (SO)	2
☐ MAJOR FIELD ELECTIVE	3
☐ SPCH 1143 SPEECH	3
TOTAL:	14
TOTAL HOURS:	**63**

*THIS IS A GUIDE TO HELP STUDENTS WITH PLANNING. A STUDY OF THE COURSE SCHEDULE AND A VISIT WITH YOUR ACADEMIC ADVISOR IS CRUCIAL FOR SUCCESS IN COMPLETING YOUR DEGREE.

**LIFE SCIENCES:
 AGRI 1104, AGRI 1204, BIOL 1114, BIOL 1214, BIOL 1224, BIOL 1234

***ELECTIVE = FINE ARTS, PSYCHOLOGY, OR SOCIAL SCIENCES

+PHYSICAL SCIENCES:
 AGRI 2144, CHEM 1114, CHEM 1315, ENVS 1114, PHYS 1114, PHYS 1214, PHYS 1314, PHYS 1414, PHYS 2114, PHYS 2224

FO=FALL ONLY   FOO=FALL ODD YRS ONLY   FEO=FALL EVEN YRS ONLY   SO=SPRING ONLY   SOO=SPRING ODD YRS ONLY   SEO=SPRING EVEN YRS ONLY