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** 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 Psychology, Social Sciences, and Fine Arts	3

Major Field Requirements 15

CS	1033	Computer Logic & Flowcharting(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	2003	Webpage Design Using HTML
CS	2173	Operating Systems
CS	2263	Digital Forensics
CS	2643	Advanced Microsoft Excel
ENGR	1113	Introduction to Engineering (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
2024-25

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

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

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

6 hrs. Humanities
Select two of the following:
- □ HUM ____   _____
- □ HUM ____   _____
  any course with HUM prefix (list above) **or**
- □ 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 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
- □ MUS/HUM 1213 Music Appreciation I
- □ MUS/HUM 1223 Music Appreciation II
- □ PHIL 1113 Introduction to Philosophy (FO)
- □ SOC 2433 Global Studies in Culture and Diversity (TBD Summer)
- □ SPCH/HUM 1523 Introduction to Theatre (FO)

3 hrs. Mathematics
Select one of the following:
- □ MATH 1513 Pre-Calculus for Eng-Phys-CS

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

4 hrs. Physical Science
Select one of the following:
- □ CHEM 1114 Introduction to Chemistry
- □ CHEM 1315 General Chemistry I
- □ ENVS 1114 Introduction to Environmental Science
- □ PHYS 1114 General Physical Science
- □ PHYS 1214 Earth Science
- □ PHYS 1314 Astronomy
- □ PHYS 1414 Physical Geology
- □ PHYS 2114 General Physics I
- □ PHYS 2224 General Physics II

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

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

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

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

42 hrs. | TOTAL REQUIRED GENERAL EDUCATION HOURS

15 hrs. | MAJOR FIELD REQUIREMENTS
- □ CS 1033 Computer Logic & Flowcharting
- □ CS 1183 Information Security
- □ CS 2033 Script Programming
- □ CS 2013 Programming in C++ I
- □ CS 2023 Programming in C++ II

6 hrs. | MAJOR FIELD ELECTIVES AND SUPPORT
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 2003 Webpage Design Using HTML
- □ CS 2173 Operating Systems
- □ CS 2263 Digital Forensics
- □ CS 2643 Advanced Microsoft Excel
- □ 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

21 hrs. | TOTAL REQUIRED MAJOR FIELD HOURS

63 hrs. | MINIMUM TOTAL HOURS REQUIRED FOR ASSOCIATE DEGREE

revised 01/2024

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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 COMPUTER LOGIC AND FLOWCHARTING (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 SCIENCE = AGRI 1104, 1204, BIOL 1114, 1214, 1224, OR 1234

***PHYSICAL SCIENCE= CHEM 1114, 1315, ENVS 1114, PHYS 1114, 1214, 1314, 1414, 2114, 2224

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

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