

Computer Science Associate in Science

Degree Program Mentor

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



Michael Schnell
Instructor
405-382-9641
m.schnell@sscok.edu
Division Office: 405-382-9266

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, 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 2033 | 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 |
| 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 2019-20

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. | GENERAL EDUCATION REQUIREMENTS Social Sciences <input type="checkbox"/> GOV 1113 American National Government <input type="checkbox"/> HIST 1483 American History Survey to 1877 or <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) or <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"/> PHIL 1113 Introduction to Philosophy <input type="checkbox"/> SOC 2433 Global Studies in Culture and Diversity <input type="checkbox"/> SPAN 2103 Global Studies in Spanish <input type="checkbox"/> SPCH 1523 Introduction to Theatre | 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 or 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. | TOTAL REQUIRED GENERAL EDUCATION HOURS |
| | | 15 hrs. | MAJOR FIELD REQUIREMENTS <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. | MAJOR FIELD ELECTIVES AND SUPPORT <i>Select from the following:</i> <input type="checkbox"/> ACCT 2033 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"/> 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. | TOTAL REQUIRED MAJOR FIELD HOURS |
| | | 63 hrs. | MINIMUM TOTAL HOURS REQUIRED FOR ASSOCIATE DEGREE |

revised 4/2019