

Associate of Science (AS) in Computer Science*

EXPECTED CERTIFICATE/DEGREE

PROGRAM DESCRIPTION

AS in COSC (60 sch)

*Student following this degree plan will be required to pass Computer Competency Exam in order to graduate.

** Please see an academic advisor or CIS department chair to discuss degree requirements for your transfer university.

¹ If you cannot take 16-17 hours in the semester, we recommend you take this course in the summer.

AA COSC can lead to university transfer for Bachelor of Science in Computer Science. AA COSC students interested in these bachelor's degrees must work with academic advisor and/or CIS department chair to determine transferrable course work.

2016-2017 PROGRAM REQUIREMENTS

FIRST SEMESTER	Course Schedule	SCH	Advising Notes:
Communications	ENGL 1301 - Composition I	3	**Meet with advisor or department chair for university specific transfer course. DO THIS: Meet with academic advisor or CIS department chair to obtain copy of transfer university degree plan and to determine G.P.A. needed to transfer to desired university.
Mathematics	MATH 2413 - Calculus I	4	
American History	HIST 1301 - United States History I	3	
COSC Course Requirements	COSC 1336 - Programming Fundamentals I	3	
Creative Arts	One course from Creative Arts Core list** ¹	3	
	Semester Credit Hours	16	
SECOND SEMESTER	Course Schedule	SCH	Advising Notes:
Communications	ENGL 1302 - Composition II	3	**Meet with advisor or department chair for university specific transfer course. DO THIS: Schedule a campus tour with transfer university.
Component Area Option	MATH 2414 - Calculus II	4	
Component Area Option	MATH 1442 - Elementary Statistical Methods**	4	
COSC Course Requirements	COSC 1337 - Programming Fund. II	3	
American History	HIST 1302 - United States History II ¹	3	
	Semester Credit Hours	17	
THIRD SEMESTER	Course Schedule	SCH	Advising Notes:
Life and Physical Sciences	PHYS 2425 - University Physics I	4	**Meet with advisor or department chair for university specific transfer course. DO THIS: Confirm courses for completion of AA degree by meeting with advisor or department chair. DO THIS: Start applying for admission to transfer university, and send first official transcript to transfer university.
Government/Political Science	GOVT 2305 - Federal Government	3	
COSC Course Requirements	COSC 2336 - Programming Fundamentals III	3	
Language, Philosophy, and Culture	SPAN 1411 - Beginning Spanish ** ¹	4	
	Semester Credit Hours	14	
FOURTH SEMESTER	Course Schedule	SCH	Advising Notes:
Life and Physical Sciences	PHYS 2426 - University Physics II	4	**Meet with advisor or department chair for university specific transfer course. DO THIS: Apply for graduation for AA CIS. DO THIS: Confirm admission to transfer university, and send final official transcript to transfer university at end
Government/Political Science	GOVT 2306 - Texas Government	3	
COSC Course Requirements	See CIS department chair for final COSC course	3	
Social/Behavioral Science	One course from Social/Behavioral Sci. core** ¹	3	
	Semester Credit Hours	13	
	Total Semester Credit Hours	60	

CAREER OPPORTUNITIES

College Computer Science Instructor

\$67,758
w/Master's Degree or Doctorate Degree

Computer Security

\$74,133
w/ Bachelor's Degree

Computer Programmer

\$77,819
w/ Bachelor's Degree

Computer Engineer

\$89,087

Computer Network Architect

\$101,920

Computer Research Scientist

\$117,367

***Important Note: AA CIS students are strongly encouraged to complete the following courses prior to transfer:

Any SPCH course