

2017-2018 Associate of Science (AS) in Computer Science*

EXPECTED DEGREE

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.

PROGRAM DESCRIPTION

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

Tuition Costs and Scholarship information for this degree can be found at: <http://catalog.templejc.edu/content.php?catoid=9&navoid=365>

Information for Financial Aid assistance can be found at:

PROGRAM REQUIREMENTS

FIRST SEMESTER	SCH	Semester Completed	Grade	Notes for Students:
ENGL 1301 - Composition I±	3			**Meet with advisor or department chair for university specific transfer course. ±Must successfully complete course in order to progress to the next semester. 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.
MATH 2413 - Calculus I±	4			
HIST 1301 - United States History I	3			
See CIS department chair for first COSC course	3			
One course from Creative Arts Core list** ¹	3			
Semester Credit Hours	16			
SECOND SEMESTER	SCH	Semester Completed	Grade	Notes for Students:
ENGL 1302 - Composition II	3			**Meet with advisor or department chair for university specific transfer course. ±Must successfully complete course in order to progress to the next semester. DO THIS: Schedule a campus tour with transfer university.
MATH 2414 - Calculus II±	4			
MATH 1442 - Elemenatry Statistical Methods**	4			
One course from Social/Behavioral Sci. core**	3			
HIST 1302 - United States History II ¹	3			
Semester Credit Hours	17			
THIRD SEMESTER	SCH	Semester Completed	Grade	Notes for Students:
PHYS 2425 - University Physics I±	4			**Meet with advisor or department chair for university specific transfer course. ±Must successfully complete course in order to progress to the next semester. DO THIS: Confirm courses for completion of AS degree by meeting with advisor or department chair, start applying for admission to transfer university, and send first official transcript to transfer university.
GOVT 2305 - Federal Government	3			
COSC 1336 - Programming Fundamentals I±	3			
SPAN 1411 - Beginning Spanish **I ¹	4			
Semester Credit Hours	14			
FOURTH SEMESTER	SCH	Semester Completed	Grade	Notes for Students:
PHYS 2426 - Univeristy Physics II	4			±Must successfully complete course in order to progress to the 2nd 8 week course. DO THIS: Apply for graduation for AS COSC. DO THIS: Confirm admission to transfer university, and send final official transcript to transfer university at end of semester.
GOVT 2306 - Texas Government	3			
COSC 1337 - Programming Fund.II (1st 8 weeks)±	3			
COSC 2336 - Programming Fund. III (2nd 8 weeks)	3			
Semester Credit Hours	13			
Total Semester Credit Hours	60			

CAREER OPPORTUNITIES - All data listed below incorporate Central Texas jobs and entry wages found on <http://www.texaswages.com/WDAWages>

College Programmer

\$49,503
w/ Bachelor's Degree

Computer Security

\$74,133
w/ Bachelor's Degree

Computer Engineer

\$70,964
w/Bachelor's Degree

Computer Research Scientist

\$94,334
w/ Doctoral Degree

***Important Note: AS COSC students are strongly encouraged to complete the following courses prior to transfer:

Any SPCH course

University Transfer Guide for 2017-2018 Associate of Science in Computer Science

Note: Students wanting to major in **Computer Science** at TAMU-College Station, Texas State, UT-Austin, Sam Houston State, UT-Arlington, TAMU-Corpus Christi, and SFA are encouraged to follow the **AS MATH** degree plan to maximize transfer credits.

PROGRAM REQUIREMENTS	Texas A&M-Central Texas Bachelor of Science in Computer Science		Check when Completed	Tarleton State University Bachelor of Science in Computer Science		Check when Completed	Texas Tech University Bachelor of Science in Computer Science		Check when Completed
	Temple College	TAMUCT	✓	Temple College	Tarleton State	✓	Temple College	Tarleton State	✓
FIRST SEMESTER	ENGL 1301	ENGL 1301		ENGL 1301	ENGL 1301		ENGL 1301	ENGL 1301	
	MATH 2413	MATH 2413		MATH 2413	MATH 2413		MATH 2413	MATH 1451	
	COSC Elective#	COSC Elective#		COSC Elective#	COSC Elective#		COSC Elective#	CS Elective#	
	Creative Arts Core	Creative Arts Core		Creative Arts Core**	Creative Arts Core**^		Creative Arts Core	Creative Arts Core**^	
SECOND SEMESTER	HIST 1301 ¹	HIST 1301 ¹		HIST 1301 ¹	HIST 1301 ¹		HIST 1301 ¹	HIST 1301 ¹	
	ENGL 1302	ENGL 1302		ENGL 2311	ENGL 2311		ENGL 1302	ENGL 1302	
	MATH 2414	MATH 2414		MATH 2414	MATH 2414		MATH 2414	MATH 1452	
	Soc/Beh Sci Core	Soc/Beh Sci Core		Soc/Beh Sci Core	Soc/Beh Sci Core^		Soc/Beh Sci Core	Soc/Beh Sci Core^	
THIRD SEMESTER	HIST 1302	HIST 1302		HIST 1302	HIST 1302		HIST 1302	HIST 1302	
	PHYS 2425	PHYS 2425		PHYS 2425	PHYS 2425		PHYS 2425	PHYS 1408	
	GOVT 2305	GOVT 2305		GOVT 2305	GOVT 2305		GOVT 2305	POLS 1301	
	MATH 1442	MATH 1442		MATH 1324	MATH 1324		ENGL 2311	ENGL 2311	
	COSC 1336	COSC 1336		COSC 1336	COSC 1336		COSC 1336	CS 1411	
FOURTH SEMESTER	Lang/Phil/Cult Core ¹	Lang/Phil/Cult Core ¹		Lang/Phil/Cult Core ¹	Lang/Phil/Cult Core ¹		Lang/Phil/Cult Core ¹	Lang/Phil/Cult Core ¹	
	PHYS 2426	PHYS 2426		PHYS 2426	PHYS 2426		PHYS 2426	PHYS 2401	
	GOVT 2306	GOVT 2306		MATH 1325	MATH 1325		SPCH 13--	SPCH 13--	
	COSC 1337**	COSC 1337**		COSC 1337***	COSC 1337***		COSC 1337	CS 1412	
	COSC 2336**	COSC 2336**		COSC 2336***	COSC 2336***		COSC 2336	CS 2413	
	Minor Elective ¹	Minor Elective# ¹		GOVT 2306 ¹	GOVT 2306 ¹		GOVT 2306 ¹	POLS 2306 ¹	

Notes for Students:

Course Equivalency Guides for all institutions can be found at https://www.tccns.org/	
¹ If you cannot take 16-17 hours in the semester, we recommend you take this course in the summer.	
TAMUCT	#Must see TC CIS Department for COSC Elective. **COSC 1337 will be offered in 1st 8 weeks and COSC 2336 will be offered in 2nd 8 weeks. 1. Must take/pass Computer Competency Exam to graduate with AS COSC.
Tarleton State	^Tarleton State Core Curriculum can be found at http://www.tarleton.edu/generaleducation/generaleducation/core.html #Must see TC CIS Department for COSC Elective. **^ Students cannot take ARTS 2356 to meet Creative Arts Core requirements. ***COSC 1337 will be offered in 1st 8 weeks and COSC 2336 will be offered in 2nd 8 weeks. 1. Must take/pass Computer Competency Exam to graduate with AS COSC.
Texas Tech	^Texas Tech Core Curriculum can be found at http://catalog.ttu.edu/content.php?catoid=2&navoid=152#core-curriculum-requirement #Must see TC CIS Department for COSC Elective. **COSC 1337 will be offered in 1st 8 weeks and COSC 2336 will be offered in 2nd 8 weeks. 1. Must take/pass Computer Competency Exam to graduate with AS COSC.