

Texas A & M University-Corpus Christi

Curriculum Sheet for 2018-2019 Catalog

Catalog expires in 6 years.

*=Upper Division Hours

Degree: **Bachelor of Science**
 Major: **Computer Science**
 Option: **Information Systems**

MINOR REQUIRED See Catalog

UNIVERSITY CORE CURRICULUM

		SCH	PREREQUISITES
ENGL 1302	Eng. Composition	3	
COMM 1311	Oral Communication	3	n/a
MATH 2413	Calculus I	(4)	MATH1314+1316 or MATH2312 or Placement
Natural Science	See catalog list	(4)	see catalog
Natural Science	See catalog list	(4)	see catalog
See Catalog	Language, Philosophy, or Culture	3	see catalog
HIST 1301	US History I	3	n/a
HIST 1302	US History II	3	n/a
POLS 2305	US GOVT	3	n/a
POLS 2306	TX GOVT	3	n/a
See Catalog	Creative Arts (see catalog)	3	see catalog
ECON 2301,ECON 2302,PSYC 2301, or SOCI1301	Social/Behavioral Sciences	3	n/a
Component Area Option (CAO):May select any core courses not being used to satisfy another core; able to use lab hours from a 4 hour core course for up to 3 hours of CAO, may take MATH 2414 to satisfy 4 hours of CAO.			
		6	See catalog for Core Curriculum

Computer Science Core

COSC 1100	Skills for Computing Professional I	1	Co-requisite w/ COSC 1435
COSC 1435	Intro Prob Solving I w/lab	4	MATH 1314
COSC 1436	Intro Prob Solving II w/lab	4	COSC 1435
COSC 2334	Computer Architecture	3	COSC 1435 & MATH 2305
COSC 2437	Data Structures	4	COSC 1436 & Co-req MATH 2305
*COSC 3336	Intro to Database Systems	3	COSC 2437
*COSC 3346	Operating Systems	3	COSC 2437 & COSC 2334 or ENTC 3418
*COSC 3370	Software Engineering	3	COSC 2437
*COSC 4100	Skills for Computing Professionals III	1	COSC 1100 and ENGL 3310
*ENGL 3310	Technical and Professional Writing for CS	3	
*COSC 4342	Computer Networks	3	COSC 3346 & MATH 2413
*COSC 4354	Senior Capstone	3	COSC 3370 & 3336
MATH 2413	Calculus I w/lab	4	MATH 1314 + 1316 OR 2312
MATH 2305	Discrete Mathematics I	3	MATH 2312
*MATH 3342 or MATH 3345	Applied Probability & Statistics or Statistical Modeling and Data Analysis	3	MATH 2413; MATH 2414 & COSC 1435 (or COSC 1330)

Courses Specific to Information Systems Option

COSC 2470	COBOL Programming	4	COSC 1435
*COSC 3324	Object-Oriented Programming	3	COSC 2437
*COSC Elective		3	see catalog
*COSC Elective		3	see catalog
*COSC Elective		3	see catalog
*COSC Elective		3	see catalog

Required Minor (Min. 18 hours for Minor; See Catalog)

Minor requirement		3	see catalog
Minor requirement		3	see catalog
Minor requirement		3	see catalog
Minor requirement		3	see catalog
Minor requirement		3	see catalog
Minor requirement		3	see catalog

Electives as needed to fulfill university graduation minimum requirements 0-1

All COSC majors are required to meet with their assigned faculty mentor every fall. Contact the Academic Advisor for more information.

Program requirement:

College Minimum major grade point average (g.p.a)

2.25

University Requirements

Minimum Total Hours for degree:	120
*Upper Division minimum total hours:	45
*Upper Division minimum residency hours:	36
*Upper Division minimum major residency hrs:	12
Cumulative TAMU-CC minimum g.p.a.:	2
Foreign Language Requirement:	see catalog