

Texas A & M University-Corpus Christi

Catalog expires in 6 years.

Curriculum Sheet for 2019-2020 Catalog

*=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	<u>3</u>
_____	COMM 1311	Oral Communication	<u>3</u> n/a
_____	MATH 2413	Calculus I	<u>4</u> MATH1314+1316 or MATH2312 or Placement
_____	Natural Science	See catalog list	<u>4</u> see catalog
_____	Natural Science	See catalog list	<u>4</u> see catalog
_____	See Catalog	Language, Philosophy, or Culture	<u>3</u> see catalog
_____	HIST 1301	US History I	<u>3</u> n/a
_____	HIST 1302	US History II	<u>3</u> n/a
_____	POLS 2305	US GOVT	<u>3</u> n/a
_____	POLS 2306	TX GOVT	<u>3</u> n/a
_____	See Catalog	Creative Arts (see catalog)	<u>3</u> see catalog
_____	ECON 2301,ECON 2302,PSYC 2301, or SOCI1301	Social/Behavioral Sciences	<u>3</u> n/a

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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.

_____	UCCP 1101	First Year Seminar I	<u>6</u>	See catalog for Core Curriculum
_____	UCCP 1102	First Year Seminar II	<u>1</u>	

Computer Science Core

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

Courses Specific to Information Systems Option

_____	COSC 2470	COBOL Programming	<u>4</u>	COSC 1435
_____	*COSC 3324	Object-Oriented Programming	<u>3</u>	COSC 2437
_____	*COSC 4342	Computer Networks	<u>3</u>	COSC 3346 & MATH 2413
_____	*COSC Elective		<u>3</u>	see catalog
_____	*COSC Elective		<u>3</u>	see catalog
_____	*COSC Elective		<u>3</u>	see catalog
_____	*COSC Elective		<u>3</u>	see catalog

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

_____	Minor requirement		<u>3</u>	see catalog
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_____	Minor requirement		<u>3</u>	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.

Program requirement: Contact the Academic Advisor for more information.

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

2.25

University Requirements

Minimum Total Hours for degree:	120	122 with UCCP 1101 & 1102
*Upper Division minimum total hours:	<u>45</u>	
*Upper Division minimum residency hours:	<u>36</u>	
*Upper Division minimum major residency hrs:	<u>12</u>	
Cumulative TAMU-CC minimum g.p.a.:	2	
Foreign Language Requirement:		see catalog