This handbook is intended to be read in conjunction with the Graduate Catalog: http://catalog.tamucc.edu/preview_program.php?catoid=18&poid=1979&returnto=74, the College of Graduate Studies Handbook http://gradcollege.tamucc.edu/current_students/masters_students.html and the departmental webpage http://gradcollege.tamucc.edu/degrees/science/computer_science.html
Computer Science program in Texas A&M University-Corpus Christi successfully prepares students to meet with the market needs which is always dynamic. At graduate level, it is more than just classroom work, it includes giving graduate students opportunities to gain mastery of the skills needed to succeed in the industry. Our program demonstrates the market demands and help our students to proficiently meet these demands amidst competition.

Our computer science degree program is designed to prepare you to begin or advance your career in business, industry, government, or education. You can look forward to careers in video game development, Simulations Modeling and Digital Film Production. Whatever your interest is, database management, business programmer, system or network administrator our programs have been structured to help you meet your goals and positively impact lives.

This program equips professionals with knowledge necessary to develop, maintain, or manage complex computer-based information systems for organizations either in business, government, industry and or education.

Let’s get started!!!
MISSION

The computer science program is committed in preparing students to:

- Advance computer science careers in business, industry, government, or education.
- Continue further study of computer science through the pursuit of advanced degrees.

These goals are achieved by offering a curriculum that is thorough, current, and oriented toward the technical competencies required of a modern computing professional with emphasis on the development, evaluation, and integration of software systems.

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Requirements for the Master of Science in Computer Science degree may be met through one of two options: Thesis Option (Option I) or Course Only Option (Option II). The Thesis Option requires a minimum of 30 credit hours and the Course Only Option requires a minimum of 36 credit hours. The Thesis Option allows for maximum flexibility in choosing elective courses. This option allows the student to concentrate on a specialty in computer science. The Course Only Option allows for flexibility in choosing elective courses but requires the student to take at least two electives from each of the three elective concentration tracks. The concentration tracks are Software and Programming, Data Sciences, and Cyber Science.

**OPTION 1. THESIS OPTION REQUIREMENTS**

Minimum number of credit hours: 30

Core: **12 sem. hrs.**
Electives: Minimum of **12 sem. hrs.**
Thesis: **6 sem. hrs.**

**THESIS CORE COURSES**
- COSC 6393 - Research Methods in Computer Science 3 sem. hrs.
- COSC 6334 - Design and Analysis of Algorithms 3 sem. hrs.
- COSC 6351 - Advanced Computer Architecture 3 sem. hrs.
- COSC 6352 – Advanced Operating Systems 3 sem. hrs.
- COSC 5398 - Thesis I 3 sem. hrs.
- COSC 5399 - Thesis II 3 sem. hrs.

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**Master’s and MFA Thesis Student Checklist**

Please use the checklist below for a timely submission of requirements. Forms can be found at [http://gradschool.tamu.edu/forms.html](http://gradschool.tamu.edu/forms.html)

- [ ] Degree Plan (Master’s and MFA)
- [ ] Form A - Thesis Advisory Committee Appointment (Master’s and MFA)
- [ ] Form B - Preliminary Agreement to Schedule the Thesis Defense/Thesis Examination (Master’s and MFA)
- [ ] Form C - Thesis Defense & Written Thesis Report
  - Master’s - Five (5) days prior to defense
  - MFA - Five (5) days prior to graduation
- [ ] Form D - Thesis Committee Member Change Request (Master’s and MFA)
- [ ] Form E - Graduate Degree Plan Exceptions Form (Master’s and MFA)
- [ ] Form F - Graduate Degree Plan Revision Request (Master’s and MFA)
- [ ] Form K - Request for a Leave of Absence (Master’s and MFA)
- [ ] Title Version of Thesis Uploaded to ProQuest [notes:details:comprehensive]
- [ ] Thesis submission deadlines can be found online at [http://gradschool.tamu.edu/curriculum/mastertheses]
  - Master’s - Two weeks prior to graduation
  - MFA - Five business days prior to graduation

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Thesis Student Checklist
Students choosing the thesis option must obtain permission from their faculty advisor (who will chair their committee) to register for COSC 5398 - Thesis I, which should be taken in the next to last semester. During the first month of Thesis I, the student and his/her advisor should determine the thesis committee. This committee consists of at least three full-time Texas A&M University-Corpus Christi graduate faculty members, two of which must be in computer science. While taking Thesis I, the student will develop a written proposal of the thesis work and submit it to their chair along with presenting the proposal orally to the program faculty. If the proposal is approved by the faculty, the student must complete form ‘A’, Thesis Committee Appointment Form and have it signed by their committee and turn in to the department admin. At this time the student will be permitted to register for COSC 5399 - Thesis II.

The student must then continually register for COSC 5399 until completion of their thesis. If the student fails to register for COSC 5399 or fails their final examination, a grade of No Credit will be assigned to COSC 5398 and all COSC 5399 courses and the student must begin the process again. While taking COSC 5399 - Thesis II, the student will produce a written thesis that discusses their work. A draft copy of the thesis will be given to all committee members and the student will make any changes required by the committee. Upon approval of the thesis committee chair, the student may schedule their final oral examination. As soon as the thesis defense/final oral exam is scheduled, form ‘B’, Preliminary Agreement to Schedule the Thesis Defense/Final Exam must also be submitted. The final thesis will be submitted using the electronic data transcription system. Refer to Thesis Student Checklist(http://gradcollege.tamucc.edu/contact_us/assets/forms_page_masters_tab/masters-and-mfa-thesis-student-checklist-converted.pdf). The thesis will be published and archived in the Mary & Jeff Bell library. Guidelines for writing the thesis are available on the College of Graduate Studies website(CGS) http://gradcollege.tamucc.edu/current_students/dissertation_thesis.html

**FINAL EXAMINATION**

After the student has completed all other requirements for the MS degree in computer science, he or she must schedule an oral exam over his/her graduate program of study by filling Form B. The oral exam will be administered by the graduate thesis committee and will focus heavily on the thesis itself.

Sometimes students offering the thesis option might want to modify their thesis committee. For this to be implemented, the student must make a formal application using the Thesis Committee Member Change Request Form. This is also known as Form D.

The forms can easily be accessed and downloaded from the school webpage using the links below:

http://gradcollege.tamucc.edu/current_students/dissertation_thesis.html
http://gradcollege.tamucc.edu/contact_us/forms.html

**Thesis Template**

Thesis Template can be downloaded from the below website

http://gradcollege.tamucc.edu/current_students/dissertation_thesis.html

**OPTION 2. COURSE-ONLY OPTION REQUIREMENTS**

Minimum number of credit hours: 36

Core: 9 sem. hrs.
Electives: Minimum of 24 sem. hrs., with at least 6 credit hours from each concentration track
COURSE-ONLY CORE COURSES

- COSC 6334 – Design and Analysis of Algorithms \(3 \text{ sem. hrs.}\)
- COSC 6351 – Advanced Computer Architecture \(3 \text{ sem. hrs.}\)
- COSC 6352 – Advanced Operating Systems \(3 \text{ sem. hrs.}\)

CAPSTONE:

- COSC 6370 – Advanced Software Engineering \(3 \text{ sem. hrs.}\)

Students must take all required courses along with their chosen electives with at least two courses from each elective group. COSC 6370 is taken in the final semester.

ELECTIVES

A. Software and Programming

- COSC 6340 - Human-Computer Interaction \(3 \text{ sem. hrs.}\)
- COSC 6353 - Compiler Design and Construction \(3 \text{ sem. hrs.}\)
- COSC 6356 - Theory of Computation \(3 \text{ sem. hrs.}\)
- COSC 6360 - Parallel Computing \(3 \text{ sem. hrs.}\)
- COSC 6361 - Parallel Algorithms \(3 \text{ sem. hrs.}\)
- COSC 6362 - Mobile Software Development \(3 \text{ sem. hrs.}\)
- COSC 6365 - Current Trends in Programming \(3 \text{ sem. hrs.}\)

B. Data Science

- COSC 6324 - Digital Image Processing \(3 \text{ sem. hrs.}\)
- COSC 6326 - Computer Vision \(3 \text{ sem. hrs.}\)
- COSC 6327 - Introduction to Computer Graphics \(3 \text{ sem. hrs.}\)
- COSC 6328 - Advanced Computer Graphics \(3 \text{ sem. hrs.}\)
- COSC 6336 - Database Management Systems \(3 \text{ sem. hrs.}\)
- COSC 6337 - Data Mining \(3 \text{ sem. hrs.}\)
- COSC 6350 - Advanced Topics in DBMS \(3 \text{ sem. hrs.}\)
- COSC 6354 - Artificial Intelligence \(3 \text{ sem. hrs.}\)

C. Cyber Science

- COSC 6355 - Data Communications and Networking \(3 \text{ sem. hrs.}\)
- COSC 6357 - Wireless Sensor Networks \(3 \text{ sem. hrs.}\)
- COSC 6374 - Computer Forensics \(3 \text{ sem. hrs.}\)
- COSC 6375 - Information Assurance \(3 \text{ sem. hrs.}\)
- COSC 6376 - Network Security \(3 \text{ sem. hrs.}\)
- COSC 6377 - Applied Cryptography \(3 \text{ sem. hrs.}\)
- COSC 6379 - Advanced Information Assurance \(3 \text{ sem. hrs.}\)
OVERVIEW OF EACH COURSES

ALL CORE COURSES

**COSC 6334 - Design and Analysis of Algorithms**
3 sem. hrs. (3:0)
An advanced course that concentrates on the design and analysis of algorithms used to solve a variety of problems. The methods of design covered include such topics as: divide-and-conquer, the greedy method, dynamic programming, search and traversal techniques, and backtracking. Prerequisites: COSC 5321, MATH 2413, and MATH 2305. Spring.

**COSC 6351 - Advanced Computer Architecture**
3 sem. hrs. (3:0)
An overview of computer architecture, which stresses the underlying design principles and the impact of these principles on computer performance. General topics include design methodology, processor design, control design, memory organization, system organization, and parallel processing. Prerequisite: COSC 5331. Fall.

**COSC 6352 - Advanced Operating Systems**
3 sem. hrs. (3:0)
Introduction to advanced concepts in operating systems and distributed systems. Topics include distributed system architectures, inter-process communication, distributed mutual exclusion, distributed synchronization and deadlock, agreement protocols, distributed scheduling and process management, distributed shared memory, distributed file systems, multiprocessor system architectures and operating systems, recovery and fault tolerance. Prerequisite: COSC 5331 or an equivalent undergraduate course in Operating Systems.

**COSC 6393 - Research Methods in Computer Science**
3 sem. hrs. (3:0)
This course provides students with a range of experiences in conducting and communicating research. Students will learn major research methods and techniques. Experiences will be gained in all stages of research: reviewing literature, writing a proposal, designing an approach, and reporting results. Critical-reading/writing assignments and class discussions on state-of-the-art research in Computer Science will provide students with major research aspects. Spring

**COSC 5398 - Thesis I**
3 sem. hrs.
This course is for Computer Science MS students choosing the thesis option. Upon choosing a thesis advisor, students will register for this course. This course is only credit/no credit. Students will be given a grade of In-Progress until successfully completing their thesis. Prerequisites: COSC 5393 and permission of instructor.

**COSC 5399 - Thesis II**
3 sem. hrs.
This course is for Computer Science MS students choosing the thesis option. Students will continually register for this course until successful completion of their thesis. A grade of In-Progress will be assigned until either successful completion or failing to register. If failing to register students will receive a grade of No Credit for all 5399 and 5398 courses. Prerequisite: COSC 5398.
COSC 6370 - Advanced Software Engineering
3 sem. hrs. (3:0)
Areas studied include engineering principles and their application to the design, development, testing, and
maintenance of large software systems, tools and processes for managing the complexities inherent in creating
and maintaining large software systems. Prerequisite: COSC 5321 or equivalent. Fall.

ALL ELECTIVES
SOFTWARE AND PROGRAMMING

COSC 6340 - Human-Computer Interaction
3 sem. hrs. (3:0)
Graduate-level survey of the field of Human-Computer Interaction (HCI) focusing on design strategies for making
software usable by real-world people for doing real-world work. Topics include the role of HCI in the software
product life cycle, task analysis of the user’s work, architectures for human-computer dialogues, new and
traditional approaches to user interface design, and user interface standards. Prerequisite: COSC 5331. Spring.

COSC 6353 - Compiler Design and Construction
3 sem. hrs. (3:0)
This course introduces the basic concepts and mechanisms traditionally employed in language translators, with
emphasis on compilers. Topics include strategies for syntactic and semantic analysis, techniques of code
optimization and approaches toward code generation. Prerequisites: MATH 2305. Fall.

COSC 6356 - Theory of Computation
3 sem. hrs. (3:0)
An introduction to theoretical foundations of modern computing. Topics include finite state machine concepts,
formal grammars, and basic computability concepts. Prerequisites: COSC 5321 and MATH 2305. Summer.

COSC 6360 - Parallel Computing
3 sem. hrs. (3:0)
Introduction to the hardware and software issues in parallel computing. Topics include motivation and history,
parallel architectures, parallel algorithm design, and parallel performance analysis. Students will be introduced to
a variety of parallel computing paradigms including message passing systems and shared memory systems.
Prerequisite: COSC 5331.

COSC 6361 - Parallel Algorithms
3 sem. hrs. (3:0)
Introduces and evaluates important models of parallel and distributed computation. Topics include a selection of
parallel algorithms for various models of parallel computation, combinational circuits, parallel prefix computation,
divide and conquer, pointer-based data structures, linear arrays, meshes and related models, and hypercubes.
Prerequisites: Either COSC 6360 or an equivalent undergraduate course in Algorithms.

COSC 6362 - Mobile Software Development
3 sem. hrs. 3:0
Survey of software development on mobile platforms including both native and cross-platform applications with
topics such as: prototyping, programming, testing, debugging, and deploying. Coverage of software life cycle on
mobile platforms and how mobile hardware differs from traditional computers. Prerequisite: COSC 5321.
COSC 6365 - Current Trends in Programming
3 sem. hrs. 3:0
This is a survey of current trends in computer programming. The focus of this course is on the development of computer programs utilizing the latest technologies and paradigms. Topics include state-of-the-art in problem solving and software development, programming techniques and approaches, programming languages, development tools and environments, and software deployment methods. Prerequisite: COSC 5321

DATA SCIENCE

COSC 6324 - Digital Image Processing
3 sem. hrs. (3:0)
This course introduces concepts and techniques for image processing. The objective of this course is to introduce the fundamental techniques and algorithms used for processing and extracting useful information from digital images. The students will learn how to apply the image processing methods to solve real-world problems. Fall, odd years

COSC 6326 - Computer Vision
3 sem. hrs. (3:0)
This graduate course introduces concepts and techniques for machine vision. Particular emphasis will be placed on methods used for object recognition, machine learning, content-based image retrieval, image matching, 3D vision, tracking and motion analysis. Prerequisite: COSC 6324 Digital Image Processing. Spring, even years

COSC 6327 - Introduction to Computer Graphics
3 sem. hrs. (3:0)
This graduate course provides students with a foundation in basic principles and techniques for computer graphics on modern graphics hardware. Students will gain experience in interactive computer graphics using the OpenGL API. Topics include: graphics hardware, rendering, perspective, lighting, and geometry.

COSC 6328 - Advanced Computer Graphics
3 sem. hrs. (3:0)
This course covers advanced computer graphics techniques. Students will be introduced to state-of-the-art methods in computer graphics. This course will focus on techniques for real-time rendering and animation. Prerequisite: COSC 4328 or COSC 6327 or equivalent. Spring.

COSC 6336 - Database Management Systems
3 sem. hrs. (3:0)
A study of contemporary database management concepts. Performance (indexing, query optimization, update optimization), concurrency, security and recovery issues are discussed. Also includes the study of front-end environments that access the database. Prerequisites: COSC 5321. Spring.

COSC 6337 - Data Mining
3 sem. hrs. (3:0)
An introduction to fundamental strategies and methodologies for data mining. Topics include data preprocessing, mining frequent data patterns, classification, clustering, and outlier detection. Summer

COSC 6350 - Advanced Topics in DBMS
3 sem. hrs. (3:0)
The study of emerging database technologies. Topics are chosen from data warehousing, distributed databases, spatial databases and web-based applications. Prerequisites: COSC 6336. Fall.
COSC 6354 - Artificial Intelligence
3 sem. hrs. (3:0)
Fundamental concepts and techniques for the design of computer-based, intelligent systems. Topics include: a brief history, methods for knowledge representation, heuristic search techniques, programming in LISP or Prolog. Prerequisites: COSC 5321 and MATH 2305. Fall.

CYBER SCIENCE

COSC 6355 - Data Communications and Networking
3 sem. hrs. (3:0)
Areas studied include principles of computer-based communication systems, analysis and design of computer networks, and distributed data processing. Prerequisite: COSC 5331. Fall.

COSC 6357 - Wireless Sensor Networks
3 sem. hrs. (3:0)
This is a graduate level course on wireless sensor networks; one of the fastest developing areas in computer science and engineering. The focus of this course is on the design of optimized architectures and protocols for such unique networks. Topics include the design principles of wireless sensor networks, energy management, MAC protocols, naming and addressing, localization, routing protocols, applications of wireless sensor networks, and associated challenges and measures.

COSC 6374 - Computer Forensics
3 sem. hrs. (3:0)
This course will introduce students to the fundamentals of computer forensics and various software tools used in cyber-crime analysis. Students will be introduced to established methodologies for conducting computer forensic investigations, as well as to emerging international standards for computer forensics. Applicable laws and regulations dealing with computer forensic analysis will also be discussed. Spring.

COSC 6375 - Information Assurance
3 sem. hrs. (3:0)
An introduction to information security and assurance. This course covers the basic notions of confidentiality, integrity, availability, authentication models, protection models, secure programming, audit, intrusion detection and response, operational security issues, physical security issues, personnel security, policy formation and enforcement, access controls, information flow, legal and social issues, classification, trust modeling, and risk assessment. Fall.

COSC 6376 - Network Security
3 sem. hrs. (3:0)
This course is a study of networking basics and security essentials with respect to information services provided over a computer network. The course covers the technical details of security threats, vulnerabilities, attacks, policies, and countermeasures such as firewalls, honeypots, intrusion detection systems, and cryptographic algorithms for confidentiality and authentication and the development of strategies to protect information services and resources accessible on a computer network. Prerequisites: COSC 6375 and approval of the Instructor. Spring.

COSC 6377 - Applied Cryptography
3 sem. hrs. (3:0)
This course includes an introduction to cryptographic algorithms and protocols for encrypting information securely, techniques for analyzing vulnerabilities of protocols, approaches to digital signatures and information digests, and implementation approaches for the most significant cryptographic methodologies. Fall.
COSC 6379 - Advanced Information Assurance
3 sem. hrs. (3:0)
This course encompasses a broad range of topics involving information security, communications security, network security, risk analysis, operational security, health information privacy, criminal justice digital forensics, homeland security, the human element and social engineering, and applicable national and international laws. An in-depth information assurance capstone project or research paper will be required of each student to satisfy the information assurance graduate option requirements. Prerequisites: COSC 6375. Fall.

LEVELING COURSES
Graduate students from a non-computer science background, are required to take some or all the levelling courses, before starting or continuing their graduate program. Some of these courses are prerequisite to some of the graduate program and gives the student a solid framework on which to build their career. Before you enroll on any of these courses, do consult your Program Coordinator first. Failure to score upward of 80% of the examination will lead to a retake of the class, formally registered.

- Data Structures – COSC2437
- Introduction to Problem Solving with Computers I- COSC 1435
- Introduction to Problem Solving with Computers II- COSC 1436
- Operating Systems – COSC 3346
- Computer Architecture – COSC 2334
- Discrete Mathematics – MATH 2305
- Calculus I – MATH 2413

Students transcripts help determine if they should take certain leveling courses or otherwise. This also include transfer students from accredited universities or colleges. The academic advisor will help determine what courses should or should not be taken by the student, and whether some of the previously taken courses can adequately substitute some key courses needed to meet the degree plan. The Form I must be filled out in this regard.

COURSE REGISTRATION: Classes are registered or dropped using the S.A.I.L portal http://sail.tamucc.edu/portal.html. Login into your account under CURRENT ISLANDER to modify your class selection.

CLASS SCHEDULE: http://banner.tamucc.edu/schedule/BPROD.php

ADDITIONAL INFORMATION
COURSE DESCRIPTION: This information is contained on the graduate catalogue book and has been mentioned above. The student does well to read it through ahead of class registration to gain an insight into a class before selection.

PRE-REQUISITE: Some of the classes do require a pre-requisite class. The student should make research or possibly discuss with his / her advisor to find out if their course of interest has any pre-requisite requirement.

STUDENT LEARNING OUTCOMES: This is usually contained in the course syllabus. It states the objective of a class and the knowledge and skills expected of all the students participating in the class. It is the student’s responsibility to meet these objectives.

REQUIRED COURSE TEXT: This information is contained in the syllabus for each class. It states the texts that will be used during the study and It is the students’ responsibility to get their copy of the text.
COURSE REQUIREMENTS: This states the requirements that must be met to successfully complete the course.

GRADING POLICY: Courses are graded based on performance. Usually classes can be composite of some combination of these or all of them; assignments, quizzes, about three exams, and the project or research paper. The distribution of points is defined by the instructor. For example, Assignments and quizzes can worth 35%. Three exams can worth 45% (Each exam worth 15%). Final Project or research paper can worth 20%.

GRADING SCALE:
- A: 100-90
- B: 89-80
- C: 79-70
- D: 69-60
- F: 59-0

ASSIGNMENTS: The number of assignments given is determined by the instructor and partial credit will be given for incomplete assignments. Some assignments will involve programming.

COURSE SYLLABUS: This is usually given on the first day of class and can also be printed from the course webpage. It specifies the student’s learning objective, course requirements and other necessary information key for optimal your performance.

EXAMS: Exams will cover all lecture and reading material discussed in the class. Exams are usually taken on the hour classes are scheduled and same venue as the class unless otherwise stated. In the event, if you cannot attend the class to take the exam due to some emergency or some unavoidable situation (such as serious illness, death in the family, participation in university sports, religious observations, and so on) you must notify the instructor as soon as possible before the exam and also you must validate your absence by providing a document (e.g., with a letter from your doctor).

ASSIGNMENTS: Assignments will significantly build on the material from the lectures. They will be posted on the course web page. The instructor defines how the assignment will be submitted, either hard copies are handed out in the class during the lecture sessions or online or both. The assignments are usually due at the beginning of the class on the due date. If the student is absent on the assignment due date, it is the student's responsibility to see to it that the assignment is submitted on the designated date. An assignment that is turned in after the class on the due date is considered one day late, for an in-class submission. There is a penalty for late submissions. Late assignments will be counted 20 - 25% off for each day after the due time. 100% penalty (i.e. no credit) if submitted after 4 - 5 days. If you have not completed your assignment by the due date, you should submit the work you have done for partial credit. No work will be accepted once the graded work has been returned or the solution has been disclosed to the class, except for unusual circumstances which the instructor feels reasonable. Note that any kind of hardware or software failure or machine unavailability in the lab does not merit an extension on the assignment. Diskettes upon which major examinations, assignments, projects or papers submitted may be retained by the instructor as a permanent record of the student's work.

PROJECT/PAPER: The project can be a programming project (with a final report on the project), a research paper or a survey paper. An in-class presentation is also required for any of the above. The project usually is to be done individually or as defined by the instructor of the class. All projects must be approved by the instructor. Additional details on the project will be available either in class or on the course website.

GRADING ERROR: All questions concerning a test score or grading of a returned test or assignment must be resolved within one week. It is always a good idea to keep all of your work until the end of the semester. In case of any recording errors or doubts, you may produce them for correction or verification.
DROPPING OF CLASS: Classes can only be dropped within the early weeks of resumption. A mail is usually sent to this effect, but when not sent out, it is the student’s responsibility to check with the round-building.

ACADEMIC HONESTY POLICY: You are expected to avoid all forms of academic dishonesty as defined in Catalogue. In addition, students are expected to behave in an ethical manner in all class activities. If you feel uncertain about a particular activity, please speak to the instructor BEFORE problems arise. Ethical behaviour is a requirement for passing a course. All work submitted for grading must be the student's own work. Plagiarism will result in a score of 0 (zero) for the work or dismissal from the course and the Dean of Students office will be notified. No copying from another student's work, of any class, is allowed. It is the student's duty to allow no one to copy his or her work. Anyone found cheating and/or copying, in the exams or assignments, in the instructor's opinion, will receive an automatic F for the course.

ATTENDANCE: You must attend all classes. While in class attendance will not directly affect the grade, you are responsible for any materials covered or handed out or announcements made for the tests and assignments in your absence. Records of your attendance will be maintained and reported to the university. Students found missing classes without the instructor's permission will be automatically withdrawn from the course.

ABSENCE FROM CLASS: Students are responsible for all materials covered in class and assigned. Should a student be absent from class, it is his/her responsibility to get the notes, etc. for that missed class. More important, should there be assignments, it is the student responsibility to obtain such assignments. No excuse will be accepted for assignments not turned in because the student was absent when it was due.

DISTRACTIONS: Use of electronic devices are usually not allowed because they are a source of distraction to both the student and to others. The policy is usually defined by the instructor in each class. The student must comply with the policy created for the successful completion of the course. Same with eating food or drinking beverages during class session.

OTHER POLICIES: Cell phones and pagers must be turned off or switched to a Do-Not-Disturb mode during class. First violation receives a warning. All succeeding violations result in a penalty as determined by the instructor (In some scenarios: ten-point deduction on the last exam, during a quiz or exam results in a ten percent deduction off the corresponding paper. No warnings might be given for quizzes or exams).

STUDENTS WITH DISABILITIES: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Disability Services Office at (361) 825-5816 or come by and visit us in Corpus Christi Hall 116. If you are a returning veteran and are experiencing cognitive and/or physical access issues in the classroom or on campus, please contact the Disability Services office for assistance at (361) 825-5816.

ACADEMIC ADVISING: The College’s Academic Advising Center is located in Center for Instruction 365 and can be reached at (361)-825-2654.

GRADE APPEAL PROCESS: As stated in University Rule 13.02.99.C0.03, Student Grade Appeals, a student who believes that he or she has not been held to appropriate academic standards as outlined in the class syllabus, equitable evaluation procedures, or appropriate grading, may appeal the final grade given in the course. The burden of proof is upon the student to demonstrate the appropriateness of the appeal. A student with a complaint about a grade is encouraged to first discuss the matter with the instructor. For complete details, including the responsibilities of the parties involved in the process and the number of days allowed for completing the steps in the process, see University Rule 13.02.99.C0.03, Student Grade Appeals, and University Procedure 13.02.99.C2.01,
Student Grade Appeal Procedures. These documents are accessible through the University Rules Web site at https://sci.tamucc.edu/student-information/grade-appeal.html.

ACADEMIC PROBATION: On the successful completion of an option, meeting all its requirements will lead to an MS degree in Computer Science. Failure to meet the requirement could lead to academic probation and or a possible withdrawal from the program.

RESOURCES: Programming Assistance Laboratory (PAL) and Graduate Programming Assistance Laboratory (GPAL) are designed to assist both undergraduates and graduate students respectively. Avail yourself to put this resource to use.

BLACKBOARD: https://bb9.tamucc.edu/webapps/login/
Blackboard is the platform for both the instructors and the students in their classes to interact and for the students to receive their class materials and assignments. Submission of assignments is possible on this platform. Grades are also posted on blackboard in each students account. This account is created automatically for the student. To access it, use your islander user name and password to login.

SCHOLARSHIPS / SPONSORSHIPS
If you are interested in learning more about scholarship opportunities, applying for scholarships that are often offered for Fall and Spring, use the link below: scholarships.tamucc.edu/

GRADUATE EMPLOYMENT POSITIONS WITHIN THE COLLEGE
- **Research Assistance** (RA): Research Assistants (RAs) are employed to assist the research efforts of the faculty in a capacity that relates to the student's educational goals. Graduate Research Assistants are responsible for working on research projects in collaboration with or under the direction of a faculty or staff member. Duties assigned to Research Assistants may include gathering, organizing, and analyzing data, grading papers, and assisting faculty or non-academic units on campus.

- **Graduate Assistance** (GA): Graduate Assistants are responsible for providing professional administrative services to the Department. Responsibilities varies among Departments.

- **Teaching Assistance** (TA): Graduate Teaching Assistants (GTAs) are employed to help meet the instructional needs of the university. Graduate Teaching Assistants (GTAs) are typically responsible for directing lab sections, leading discussion sections, grading assignments.

These in no way is hierarchy of importance. These are career opportunities for the students within the college for graduate students. The student receives a tuition waiver and is enrolled in gradplan health insurance, among other benefits. However, there is no guarantee that every student will get any one of the above mentioned position or a tuition waiver. Use the Handshake webpage to check on openings.

HANDSHAKE AND CAREER SERVICES
https://tamucc.joinhandshake.com/

INTERNSHIP
Practical experience with a government or not-for-profit agency arranged in advance by the supervising professor. Career Services usually send mail to all students announcing when the next career fair will be. This is an opportunity for the student to meet with their future employers and know their expectations of their employees.

POST GRADUATE OPPORTUNITIES
Your opportunities are huge. Use these resources Career Services and Handshake.
The Innovation in Computing Research Lab (iCORE) is a research, development, and commercialization group that promotes excellence, innovation, and entrepreneurship in computing and related fields. With its sponsored basic and applied research, this multidisciplinary team continues to establish partnership with governmental, educational, nongovernmental, and private entities promoting business development and creating job opportunities.

**CYBERSECURITY LAB:**

Cybersecurity lab facilitates hands-on cybersecurity competitions. It focuses on sharing a wide range of computer knowledge related to operating systems, server administration, cyber security and computer networking. In the lab, students who become subject matter experts help other students who have little or no knowledge learn the concepts and applications of the field. This is done through hands-on exercises, both individual and group based.
CAMPUS MAP

[Image of the Campus Map]
## OTHER STUDENT RESOURCES

<table>
<thead>
<tr>
<th>Resource</th>
<th>Link</th>
<th>Contact Information</th>
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<tbody>
<tr>
<td>Graduate Scholarships and Assistantships</td>
<td><a href="http://gradschool.tamucc.edu/funding">http://gradschool.tamucc.edu/funding</a></td>
<td>361-825-2624</td>
</tr>
<tr>
<td>Office of Student Financial Assistance</td>
<td><a href="http://osfa.tamucc.edu">http://osfa.tamucc.edu</a></td>
<td>361-825-3338</td>
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<tr>
<td>Office of International Education</td>
<td><a href="http://oie.tamucc.edu">http://oie.tamucc.edu</a></td>
<td>361-825-3922</td>
</tr>
<tr>
<td>University Center &amp; Student Activities</td>
<td><a href="http://ucsa.tamucc.edu">http://ucsa.tamucc.edu</a></td>
<td>361-825-5200 or 361-825-2707</td>
</tr>
<tr>
<td>University Police Department</td>
<td><a href="http://police.tamucc.edu">http://police.tamucc.edu</a></td>
<td>361-825-4444</td>
</tr>
<tr>
<td>University Services</td>
<td><a href="http://universityservices.tamucc.edu">http://universityservices.tamucc.edu</a></td>
<td>361-825-5710</td>
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<tr>
<td>Veterans Affairs Office</td>
<td><a href="http://vets.tamucc.edu">http://vets.tamucc.edu</a></td>
<td>361-825-2331</td>
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<tr>
<td>Mary and Jeff Bell Library</td>
<td><a href="http://rattler.tamucc.edu">http://rattler.tamucc.edu</a></td>
<td>361-825-2643</td>
</tr>
<tr>
<td>SAIL</td>
<td><a href="http://sail.tamucc.edu">http://sail.tamucc.edu</a></td>
<td>361-825-2825</td>
</tr>
<tr>
<td>Recreational Sports</td>
<td><a href="http://recsports.tamucc.edu">http://recsports.tamucc.edu</a></td>
<td>361-825-2454</td>
</tr>
<tr>
<td>University Counseling Center</td>
<td><a href="http://counseling.tamucc.edu">http://counseling.tamucc.edu</a></td>
<td>361-825-2703</td>
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<tr>
<td>Admissions &amp; Records</td>
<td><a href="http://admissions.tamucc.edu">http://admissions.tamucc.edu</a></td>
<td>361-825-2600</td>
</tr>
<tr>
<td>Business Office</td>
<td><a href="http://businessoffice.tamucc.edu">http://businessoffice.tamucc.edu</a></td>
<td>361-825-2600</td>
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<tr>
<td>Career Services</td>
<td><a href="http://career-services.tamucc.edu">http://career-services.tamucc.edu</a></td>
<td>361-825-2628</td>
</tr>
<tr>
<td>IT Help Desk</td>
<td><a href="http://it.tamucc.edu">http://it.tamucc.edu</a></td>
<td>361-825-2692</td>
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<tr>
<td>Disability Services</td>
<td><a href="http://disabilityservices.tamucc.edu">http://disabilityservices.tamucc.edu</a></td>
<td>361-825-5816</td>
</tr>
<tr>
<td>Graduate Resource and Opportunity Workspace (GROW)</td>
<td><a href="http://grow.tamucc.edu">http://grow.tamucc.edu</a></td>
<td>361-825-2507</td>
</tr>
<tr>
<td>Center for Academic Student Achievement (CASA) Writing Center</td>
<td><a href="http://casa.tamucc.edu">http://casa.tamucc.edu</a></td>
<td>361-825-5933</td>
</tr>
<tr>
<td>Office of Academic Testing</td>
<td><a href="http://testing.tamucc.edu">http://testing.tamucc.edu</a></td>
<td>361-825-2334</td>
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<tr>
<td>The Island Online (Blackboard)</td>
<td><a href="https://iol.tamucc.edu">https://iol.tamucc.edu</a></td>
<td>361-825-2825</td>
</tr>
<tr>
<td>Student Health Plan</td>
<td><a href="https://tamucc.myahpcare.com">https://tamucc.myahpcare.com</a></td>
<td>800-452-5772</td>
</tr>
<tr>
<td>University Health Center</td>
<td><a href="http://healthcenter.tamucc.edu">http://healthcenter.tamucc.edu</a></td>
<td>361-825-2601</td>
</tr>
<tr>
<td>Ask-a-Nurse Line</td>
<td>361-825-5735</td>
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</tbody>
</table>

### For Additional Information

**Computer Science Program**

**Texas A&M University-Corpus Christi**, 6300 Ocean Drive, Unit 5824, Corpus Christi, TX 78412-5824  
Phone: 361-825-6068  
Fax: 361-825-2795  
Website: [http://cs.tamucc.edu](http://cs.tamucc.edu)

**Academic Advisor**

Ronnie Emanuel,  
Office: CI 365  
Phone: 361-825-2654  
Fax: 361-825-5789  
Email: Ronnie.emanuel@tamucc.edu

**Website:** [http://gradschool.tamucc.edu/degrees/science/computer_science.html](http://gradschool.tamucc.edu/degrees/science/computer_science.html)

**Mailing Address:**  
Computer Science Program, Unit 5824  
College of Science and Engineering  
Texas A&M University-Corpus Christi  
6300 Ocean Drive, Corpus Christi, Texas 78412-5825

**Campus Address:**  
Center for Instruction, Room 301; Phone: (361) 825-2478