MASTER'S IN COMPUTATIONAL SCIENCE – DEGREE PLAN (2014/2015)
TEXAS A&M UNIVERSITY – COMMERCE

NAME_____ CWID#_____
        LAST   FIRST   MI

ADDRESS_____

COURSES	COURSES TRANSFERRED	COURSES TAKEN AT TAMU-C	COURSES NEEDED
Prerequisite Courses			
CSCI 502 Statistics for Computational Science & Analysis			
CSCI 515 Fundamentals of Programming			
Required Core Courses (12 Semester Hours)			
CSCI 501 Introduction to Computational Science			
CSCI 530 Operating Systems			
CSCI 532 Algorithm Design			
CSCI 549 Automata Theory			
Internship or Thesis Options (6 Semester Hours)			
CSCI 507 Computational Science Internship			
OR			
CSCI 518 Thesis			
Track 1: Information Visualization and Data Analytics (IVDA) (9 Semester Hours)			
CSCI 526 Database Systems			
CSCI 527 Advanced Databases and Data Mining			
CSCI 556 Scientific Data Analysis and Visualization			
Track 2: Intelligent Information Systems (IIS) (9 Semester Hours)			
CSCI 538 Artificial Intelligence			
CSCI 560 Neural Networks			
CSCI 567/Math 563 Image Processing with Applications			
Track 3: Computational Security (CMS) (9 Semester Hours)			
CSCI 563 Foundations of Information Security			
CSCI 581 Computer and Network Security			
CSCI 587 Secure Protocols			
Electives (9 Semester Hours)			
CSCI 544 Evolutionary Computation and Genetic Programming			
CSCI 546 Numerical Analysis			
CSCI 569 Image Analysis with Recognition			
CSCI 577 Computer System Performance Evaluation			
CSCI 589 Independent Study			
CSCI 597 Special Topics			
CSCI 568 / Math 536 Cryptography			
Math 561 Statistical Computing and Design of Experiments			
ENG 685 Computational Linguistics			
ENG 697 Special Topic			
BSC 519 Advanced Gene Regulation			
BSC 526 Developmental Biology			
PHYS 552 Advanced Microcontroller Electronics			
PHYS 572 Parallel Computing			
PSY 515 Neuromechanisms/Biological Bases of Behavior			
PSY 573 Principles of Cognitive Assessment			
PSY 620 Introduction to Human Cognition			
PSY 626 Cognition and Instruction II			
TOTAL 36 SCH	_____SCH	_____SCH	_____SCH

*Note: The CSCI courses in the **Electives** lists are recommended. Any regular CSCI graduate course, subject to department approval, can be counted as elective.*

_____ _____ _____
         Advisor   Date   Total SCH

_____ _____
         Student   Date   Version 09/2014