THE UNIVERSITY OF TEXAS AT TYLER
Master of Science in Computer Science 2022-20223
Soules College of Business

Acceptance Date: _____   UT Tyler Email: _____

Name: _____   ID #: _____

Telephone   Cell: _____   Home: _____   Advisor: _____

Note:

INITIAL COMPETENCY COURSES			
*Initial Competency Courses cannot be used as electives for MSCS degree.			
COURSE TITLE AND NUMBER	NOTES	Semester Completed	GRADE
COSC 1336 Programming Fundamentals	*Required		
COSC 1337 The Object-Oriented Paradigm	*Required		
COSC 2315 Computer Organization	*Required		
COSC 2336 Data Structures & Algorithms	*Required		

DEGREE REQUIREMENTS			
CORE COURSES - 15 HOURS			
COURSE TITLE AND NUMBER	NOTES	Semester Completed	GRADE
COSC 5330 Operating Systems			
COSC 5340 Programming Languages			
COSC 5350 Data Communication & Networks			
COSC 5360 Database Design			
COSC 5393 Graduate Seminar			

ELECTIVES - 9 HOURS			
COURSE TITLE AND NUMBER	NOTES	Semester Completed	GRADE
COSC/CSCI			
COSC/CSCI			
COSC/CSCI			

Students will select one of the options below:

PROFESSIONAL OPTION - ELECTIVES - 12 HOURS		
COURSE TITLE AND NUMBER	Semester Completed	GRADE
COSC/CSCI		
COSC/CSCI		
COSC/CSCI		
COSC/CSCI		

THESIS OPTION - 6 HOURS			
COURSE TITLE AND NUMBER		Semester Completed	GRADE
COSC 5395	Thesis I		
COSC 5396	Thesis II		
Thesis Title:			
Thesis Approval Date:			

Graduate Coordinator: _____ Dr. Arun Kulkarni _____   Date: _____

Department Chair: _____ Dr. Stephen Rainwater _____   Date: _____

ENTRANCE EVALUATION

GRE VERBAL: _____

GRE QUANTITATIVE: _____

GRE ANALYTICAL: _____

TOFEL/ IELTS/ PTE: _____

ADMISSION STATUS:

[ ] FULL

[ ] PROVISIONAL

COMPUTER SCIENCE COURSE ELECTIVE LIST

COSC	5325	Workshop in Computer Science		COSC	5367	Cryptography
COSC	5326	UNIX Programming Environment		COSC	5370	Software Engineering
COSC	5334	ERP Architecture Using SAP		COSC	5371	Data Mining
COSC	5336	Local Area Networks		COSC	5374	Software Architecture
COSC	5341	Cybersecurity		COSC	5375	Advanced Database Design
COSC	5342	Cybersecurity Management		COSC	5376	Fundamentals of Data Warehouses
COSC	5345	Computer Graphics		COSC	5377	Fund. of Modeling and Distributed
COSC	5346	Expert Systems				Simulation of Complex Systems
COSC	5347	Business Intelligence and Analysis		COSC	5378	Applied Computer Graphics
COSC	5348	Information Systems Project Management		COSC	5379	Advances in Remote Sensing & GIS Analys
COSC	5351	Computer-Human Communications		COSC	5380	Research Project
COSC	5352	Client/ Server Architectures		COSC	5381	Advanced UNIX O/S Design
COSC	5354	Parallel and Supercomputing		COSC	5382	Comprehensive Internet Security
COSC	5356	Computer Vision		COSC	5382	Mobile Applications
COSC	5363	Contingency Planning		COSC	5388	Digital Forensics
COSC	5364	Cyber Risk Analysis		COSC	5390	Topics in Computer Science
COSC	5365	Artificial Intelligence		COSC	5391	Topics in Distributed Systems
COSC	5366	Compiler Techniques		COSC	5399	Independent Study*
CSCI	5332	Modern Programming		CSCI	5333	Assembly Language Programming
CSCI	5342	Sports Data Analytics		CSCI	5350	Machine Learning
CSCI	5362	Ethical Hacking		CSCI	5363	Malware Reverse Engineering

*Must be approved by Department Chair before registering for the course