

THE UNIVERSITY OF TEXAS AT TYLER
Master of Science in Computer Science 2020-2021
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				THESIS OPTION - 6 HOURS			
COURSE TITLE AND NUMBER		Semester Completed	GRADE	COURSE TITLE AND NUMBER		Semester Completed	GRADE
COSC/CSCI				COSC	5395	Thesis I	
COSC/CSCI				COSC	5396	Thesis II	
COSC/CSCI				Thesis Title:			
COSC/CSCI				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: <input type="checkbox"/> FULL <input type="checkbox"/> PROVISIONAL
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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 Simulation of Complex Systems
COSC	5346	Expert Systems	COSC	5378	Applied Computer Graphics
COSC	5347	Business Intelligence and Analysis	COSC	5379	Advances in Remote Sensing & GIS Analy
COSC	5348	Information Systems Project Management	COSC	5380	Research Project
COSC	5351	Computer-Human Communications	COSC	5381	Advanced UNIX O/S Design
COSC	5352	Client/ Server Architectures	COSC	5382	Comprehensive Internet Security
COSC	5354	Parallel and Supercomputing	COSC	5382	Mobile Applications
COSC	5356	Computer Vision	COSC	5388	Digital Forensics
COSC	5363	Contingency Planning	COSC	5390	Topics in Computer Science
COSC	5364	Cyber Risk Analysis	COSC	5391	Topics in Distributed Systems
COSC	5365	Artificial Intelligence	COSC	5399	Independent Study*
COSC	5366	Compiler Techniques	CSCI	5333	Assembly Language Programming
CSCI	5332	Modern Programming	CSCI	5350	Machine Learning
CSCI	5342	Sports Data Analytics	CSCI	5363	Malware Reverse Engineering
CSCI	5362	Ethical Hacking			

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