College of Graduate Studies

Degree Plan for Ph.D in Computational Science

MIDDLE TENNESSEE STATE UNIVERSITY

Part I – Student Information

Name: _____ MTSU ID # _M_____

Current Mailing Address: _____

City, State, Zip: _____ MTSU Email Address: _____

Degree Sought: _____ Major: _____

If applicable:
Concentration: _____ Specialization: _____ Minor: _____

I understand that if human or animal subjects are involved in my research (including dissertation research), it is my responsibility to file a research protocol application with the Institutional Review Board (Sam H. Ingram Building, 011B) before I begin collecting data. Failure to secure this permission prior to conducting my data collection using human or animal subjects will negate the use of that data for any academic purpose including dissertation.

_____ _____
Signature of Student *Date*

Part II – Signatures and Approvals

Signatures in this area are required for approval of *all* degree plans.

I certify that the following program, when successfully completed, meets all coursework requirements for this degree.

_____ _____ _____
Graduate Advisor Name (Print) *Signature* *Date*

_____ _____
College of Graduate Studies Approval *Date*

Signatures in this area are required for approval only if applicable to degree program.

This individual holds a professional license, or licensure requirements will be met by the courses listed below.

_____ _____ _____
Teacher Licensure Office Approval (Print) *Signature* *Date*

Programs that require educational component

_____ _____ _____
Chair of Educational Leadership/Elementary Education (Print) *Signature* *Date*

Minor Advisor

_____ _____ _____
Graduate Minor Advisor (Print) *Signature* *Date*

Name: _____ MTSU ID # _M_____

Part III – Course Information

List ONLY graduate-level courses to be counted toward the degree. Include those completed as well as those still to be taken to fulfill degree requirements.

All Ph.D. candidates must complete 72 hours in the following course of study:

Course ID	Course Title	Cr Hrs	Grade	Transfer Credit	
				Course ID	Institution
Foundation Courses (11 Hours)					
CSCI 6050	Computer Systems Fundamentals	4			
COMS 6100	Fundamentals of Computational Science	3			
COMS 6500	Fundamentals of Scientific Computing	4			
Computational Science Core (25-27 Hours)					
CSCI 6330	Parallel Processing Concepts	3			
COMS 7700	Advanced Topics in Computational Science	3			
COMS 7800	Teaching Internship	3			
COMS 7840	Selected Topics in Natural and Applied Sciences	3			
COMS 7900	Computational Science Capstone	4			
COMS 7950	Research Seminar in Computational Science	2			
Simulation Track					
COMS 7100	Applied Computational Science	4			
COMS 7300	Numerical Partial Differential Equations	4			
OR					
Data Science Track					
CSCI 7350	Data Mining	3			
STAT 7400	Computational Statistics	3			
Advisor Guided Electives (10-12 Hours)					
Directed Research (12 Hours)					
COMS 7500	Directed Research in Computational Science				
Dissertation (12 Hours)					
COMS 7640	Dissertation Research				

Department must verify that all admission conditions(s) were or were not met:

Department Admissions Conditions Met?   Yes _____   No _____