

Area of Specialization: Scientific Computing

Scientific Computing = 15 hours of core + required electives
 Specialization 15 hours of "free" electives
 30 Hours Total for Degree

Must earn grades of "B" or higher in **all** courses that count in Area of Specialization. Must earn a minimum 3.0 overall GPA to graduate. Only letter grade coursework will count.

SECTION 1 - Demographics

Name: _____

GT ID: _____

GA Tech Email: _____

Date: _____

SECTION 2 – Scientific Computing Core (6 hours)

Mark (X)	Prefix & No.	Course Title	Semester Taken	Credit Hours	Grade
	CSE/MATH 6643	Numerical Linear Algebra			

And pick one (1) of:

Mark (X)	Prefix & No.	Course Title	Semester Taken	Credit Hours	Grade
	CSE/MATH 6644	Iterative Methods for Systems of Equations			
	MATH 6640	Introduction to Numerical Methods for Partial Differential Equations			

Transfer Credit/ Substitutions

Prefix & No.	Course Title	Semester Taken	Credit Hours	Grade

SECTION 3 – Scientific Computing Required Electives (9 hours)

Pick three (3) of:

Mark (X)	Prefix & No.	Course Title	Semester Taken	Credit Hours	Grade
	CS/CSE 6230	High-Performance Parallel Computing: Tools and Applications			
	CS/CSE 8803	Special Topics: Parallel Numerical Algorithms			
	CSE 6140	Computational Science and Engineering Algorithms			
	CSE 6220	High Performance Computing			
	CSE/MATH 6644	Iterative Methods for Systems of Equations			
	CSE 8803	Special Topics: Algorithms for Medical Imaging and Inverse Problems			

	CSE 8803/ CHEM 6485	Computational Chemistry			
	MATH 6640	Introduction to Numerical Methods for Partial Differentiation Equations			

Transfer Credit/ Substitutions

Prefix & No.	Course Title	Semester Taken	Credit Hours	Grade

SECTION 4 – “Free” Electives (15 hours) “Free” Electives are any remaining letter grade courses not used above and within program rules

Prefix & No.	Course Title	Semester Taken	Credit Hours	Grade

Transfer Credit/ Substitutions

Prefix & No.	Course Title	Semester Taken	Credit Hours	Grade

This section to be completed by MSCS Advisor

S-GPA: _____ C-GPA: _____

Notes:

Advisor

Sign _____

Date _____