

**Area of Specialization: High Performance Computing**

HPC Specialization = 15 hours of core + required electives  
                                   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 – High Performance Computing Core (6 hours)**

Mark (X)	Prefix & No.	Course Title	Semester Taken	Credit Hours	Grade
	CSE 6140	Computational Science and Engineering Algorithms			
	CSE 6220	High Performance Computing			

**Transfer Credit/ Substitutions**

Prefix & No.	Course Title	Semester Taken	Credit Hours	Grade

**SECTION 3 – High Performance Computing Required Electives (9 hours)**

**Pick three (3) from:**

Mark (X)	Prefix & No.	Course Title	Semester Taken	Credit Hours	Grade
	CSE 6221	Multicore Computing: Concurrency and Parallelism on the Desktop			
	CS/CSE 6230	High-Performance Parallel Computing: Tools and Applications			
	CS 6241	Compiler Design			
	CS 6290	High-Performance Computer Architecture			
	CS/CSE 8803	Special Topics: Parallel Numerical Algorithms			
	CSE 6236	Parallel and Distributed Simulation			
	CSE 8803	Special Topics: Hot Topics in Parallel Computing			

**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 \_\_\_\_\_