



Georgia Tech  
College of Computing

Degree Worksheet  
MSCS

**Area of Specialization: High Performance Computing**

High Performance Computing 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 the 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# (example: 90XXXXXXX): \_\_\_\_\_

Graduation Semester (example: Spring 2024): \_\_\_\_\_ Date: \_\_\_\_\_

**SECTION 2 – High Performance Computing Core (6 hours)**

**BOTH are required:**

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

**Section 2 - Transfer Credit / Substitutions (if applicable)**

Prefix & No.	Course Title	Semester Taken	Credit Hours	Grade

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

Pick three (3) courses:

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			

**Section 3 - Transfer Credit / Substitutions (if applicable)**

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

**Section 4 - Transfer Credit / Substitutions (if applicable)**

Prefix & No.	Course Title	Semester Taken	Credit Hours	Grade

**This section to be completed by MSCS Advisor**

Notes:

S-GPA: \_\_\_\_\_

C-GPA: \_\_\_\_\_

Advisor

Sign \_\_\_\_\_

Date \_\_\_\_\_