

Computer Science Shared Credit Application Packet Instructions

Deadline Dates: for Fall May 1, for Spring December 1

Items needed to assist you in this application:

- Review graduate program information on the Graduate Studies website <https://grad.unm.edu/home/>
- Review Graduate program information on the CS website: <https://www.cs.unm.edu/index.html>
- Run a loboTrax degree audit
- **Carefully read the rules and policies.** This **MUST** be signed by you and your faculty advisor on page 3.

If your degree GPA is a 3.5 or higher you will need to submit:

- Copy of the Computer Science BS curriculum worksheet and Computer Science Masters worksheet (pages 4 and 5 of this application)
- Attach a copy of the Masters worksheet indicating the shared courses

****If your degree GPA is 3.5 or higher and you are pursuing an MS in the same field as your BS, no further information is required.**

If your degree GPA is 3.0 to 3.4999 you will need to submit:

- Copy of the Computer Science BS curriculum worksheet and Computer Science Master worksheet (pages 4 and 5 of this application)
- Attach a copy of the Master worksheet indicating the shared courses
- Letter of reference from faculty member in student's undergraduate department.
- Personal statement from students indicating reasons for interest and suitability for shared credit program.

Shared Credit Application:

- a. Section I: The "Program/Degree" GPA is listed on the LoboTrax degree audit alongside the BS in Computer Science 4-year roadmap.
- b. Section II: Make sure to read this information carefully. If you have questions, ask your academic advisor. Initial each statement to indicate that you understand and agree.
- c. Section III: **I certify that I have read and understand the SoE Shared Credit Program. This MUST be signed by you and your faculty advisor.**

MSCS Worksheet for Shared Credit:

- a. Review the Graduate information on the Graduate Studies & CS websites.
- b. Complete the top two lines with your information.
- c. List the semester and the year you plan to take each course, i.e. F/26, Sp/27, etc., for every course.
- d. Indicate the course number and the credits hours of the courses your plan to take.
- e. Indicate the course name of the courses your plan to take.
- f. Check mark "✓" if the course is a Graduate Core course.
- g. Please remember, **this is a tentative plan. It is not set in stone.** Once accepted into **Shared Credit you can decide to take a different class** – consult your advisor though! And once admitted to the MSCS program, your plan and courses can change AND THAT IS OKAY!

Letter of Recommendation (if needed): Have your faculty advisor email it to your academic advisor
Personal Statement (if needed): Submit with your packet

Submit, via email, a complete packet to your academic advisor by the deadline dates noted above.



Shared Credit Application

SECTION I: Complete each of the following sections. Complete all the information areas

Student's Last Name, First Name

UNM ID #

UNM Email

Estimated BSCS Graduation Sem/Yr.

Program/Degree GPA - this GPA can ONLY be found on your *LoboTrax* Degree Audit ____.

SECTION II: Place your initials next to each of the following statement indicating you understand and agree to the following SoE Shared Credit Program and CS policies

_____ **A MAXIMUM of 12 hours of approved graduate-credit- eligible courses may be taken in undergraduate status and applied again (shared) to the graduate degree.**

_____ All courses taken for Shared Credit must have a grade of "B" or higher to count in the BSCS and MSCS.

_____ Initially, these courses are placed on the transcript at the undergraduate level. When the student's Program of Studies form is processed via Graduate Studies for the MS degree, the "shared" course graduate level designation is added to the student's transcript.

_____ The BSCS degree is awarded when it is completed.

_____ Students must be admitted to the graduate program the semester immediately AFTER they complete the BSCS degree.

_____ Time-to-degree for the graduate portion of the program begins in the senior year of the undergraduate degree. Standard Graduate Studies Leave of Absence policy and re-admission procedure apply to students in Shared-Credit Programs. However, upon re-admission the student is no longer eligible for the Shared-Credit Program and courses taken while an undergraduate will not be applicable to a graduate degree.

_____ Admission to the Shared Credit Program is not an automatic admission to the CS Graduate Program. Students are required to formally apply to the CS Graduate program yet exempt from taking the GRE and will be reimbursed the application fee.

_____ Application deadlines for fall admissions to the masters program: Priority Deadline January 15, Final Deadline for International Students is February 15 and Final Deadline for Domestic Students is July 15. Application deadlines for spring admissions: Priority Deadline August 1, no international student applications will be considered for spring admissions, final deadline for domestic students is November 15

_____ MS and PhD Contact Information - [Computer Science \(MS and PhD\) Contact Information and Application Information :: | The University o...](#)

SECTION III: Please read the following statement and sign that you agree and want to move forward with the review of your application. Obtain signature and date from your current CS faculty advisor.

STUDENT: I certify that I have read and understand the SoE Shared Credit Program: Computer Science policy as indicated by my initial in Section II. My faculty advisor and I have also discussed the Shared Credit Program and currently feel it is a good fit for my academic and career goals.

Student Signature: _____ Date: _____

CS FACULTY ADVISOR: I certify that I have discussed the SoE Shared Credit Program: Computer Science policy as outlined in Section II with my advisee. We have discussed the Shared Credit Program and currently feel it is a good fit for my advisee's academic and career goals.

Faculty Advisor Signature: _____ Date: _____

SECTION IV: Shared Credit Courses and Curriculum for MS-CS

List the courses you plan to take towards your graduate degree, Specifically the courses that will be “shared” with your BSCS degree. **Students may “share” up to 12 credit hours** (CS 561-in place of CS362) and 3 courses that will be applied to your CS Electives/CS tech elective requirement in the BSCS. These courses will require you to earn a final grade of B or higher. All planned courses are just that, “planned”. Plans can change after you’re accepted/admitted.

In this section list the CS 500 level courses you plan to take as Shared Credit to count toward **both** degrees:

Semester /Year	Course Number	Credits	Course Title	Grade
	CS561	3	Algorithms-Data Structure	B or better
				B or better
				B or better
				B or better
			Total credits this section	

BSCS Degree Plan

Name	
UNM ID	
Date	
Catalog Year	

Master Worksheet for Computer Science

* Must earn a B- or better

** May count for both gen ed and CS requirements

^Must be the same topic in sequence.

(Lab and Lecture 1 +Lab and Lecture II)

General Education - 31 Hours			
Find list of appropriate classes at GenEd.unm.edu			
Sem.	Course	Credits	Grade
Communication - 9 hours			
	ENGL 1120	3	
	COMM 1130 or ENGL 2110/2210	3	
Math & Statistics - 3 hours			
	**	3	
Physical & Natural Science - 4 hours			
	**	3	
	**	1	
Social & Behavioral Sciences - 3 hours			
		3	
Humanities - 3 hours			
		3	
Second Language - 3 hours			
		3	
Fine Arts - 3 hours			
		3	
Student Choice - 6 hours			
		3	
		3	

Computer Science Requirements			
Sem.	Course	Credits	Grade
	CSCI1260* Java I	3	
	ECE 238L Computer Logic	4	
	CSCI1230 C Programming	3	
	CSCI2260 Java II	3	
	CSCI2310 Discrete Mathematics	3	
	CSCI2293 Social & Ethical Iss.	1	
	CS 341L Intro to Comp.Arch.	3	
	CS 351L Large Programs	4	
	CS 357L Declarative Prog.	3	
	CS 361L Data Struct. & Alg. I	3	
	CS 362 Data Struct. & Alg. II	3	
	CS 375 Numerical Comp.	3	
	CS 460 Software Eng.	3	
	CS 481 Operating Sys.		
	CS 4 * —		
	CS 4 * —		
	CS 4 * —		

CS Math Sequence			
Sem.	Course	Credits	Grade
	MATH 1512* Calc I	4	
	MATH 1522 Calc II	4	
	MATH 314/321 Linear Algebra	3	
	STAT 345 Statistics & Prob.	3	

CS Lab Science Requirement (14 hours)			
Sem.	Course	Credits	Grade
	^	4	
	^	4	
		3	
		3	

Minor:			
Sem.	Course	Credits	Grade

Critical Analysis US Global Culture 3 hours			
		3	

CURRICULUM FOR MASTER OF SCIENCE COMPUTER SCIENCE

Name: _____ UNM ID# _____

MATHEMATICAL METHODS			
Course #	<i>Required B- or better</i>	Cr	
CS 500: Intro Theory of Computation		3	
CS 530: Geometric & Probabilistic Methods		3	
CS 550: Prog. Languages & Systems		3	
CS 558: Software Foundations		3	
CS 561: Algorithms/Data Structure		3	

EMPIRICAL METHODS			
Course #	<i>Required B- or better</i>	Cr	
CS 512: Intro Comp Graphics/Adv. Image Synthesis		3	
CS 522: Digital Image Processing		3	
CS 523: Complex Adaptive Systems		3	
CS 527: Principles of Artificially Intelligent Machines		3	
CS 529: Introduction to Machine Learning		3	
CS 547: Neural Networks		3	

ENGINEERING/SYSTEM BUILDING METHODS			
Course #	<i>Required B- or better</i>	Cr	
CS 554: Compiler Construction		3	
CS 580: Specification of Software Systems		3	
CS 585: Computer Networks		3	
CS 587: Advanced Operating Systems		3	
Add'l course: CS 442: Intro to Parallel Processing		3	
Add'l course: CS 544: Intro to Cybersecurity		3	
Add'l course: CS 564: Intro to Database Mgmt.		3	

Please send the application to advising@cs.unm.edu and we will get this sent out to the faculty members for their signatures!



THE UNIVERSITY of
NEW MEXICO

SCHOOL of ENGINEERING

School of Engineering official use ONLY:

Approvals:

BS Program Faculty Director

Name: Brooke Chenoweth Email: bchenoweth@cs.unm.edu Signature: _____

Date: _____

Comments:

MS Program Faculty Director

Name: Darko Stefanovic Email: darko@cs.unm.edu

Signature: _____

Date: _____

Comments:

Associate Dean for Academic Affairs

Name: Shuang Luan Email: Sluan@cs.unm.edu

Signature: _____

Date: _____

Comments:
