

Pre-Computer Engineering Planning Worksheet 2021-2023

Important Information: It is recommended that students who intend to apply for professional programs at the bachelor's degree level also complete the MORRIS General Education Requirements so that they have greater flexibility if their educational objectives change. Students often decide to complete their degree at Morris rather than transfer. Each student should consult with a pre-engineering advisor to plan their program. Students who transfer to another institution need to satisfy the general education requirements of that institution.

Students must also complete the Morris General Education Requirements, and a major, in addition to the following prerequisites for this professional program. Progress toward the UMN Morris degree should be monitored by the student and their adviser through APAS (degree audit).

Recommended Semester: X

If unable to choose (X) alternative semester: O

Course	Credits	Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring	Year 3 Fall	Year 3 Spring	Year 4 Fall	Year 4 Spring
Program Requirements									
CSCI 1302: Foundations of Computer Science	4		X						
Csci 2101: Data Structures	4			X					
Math 1101: Calculus I	5	X							
Math 1102: Calculus II	5		X						
Math 2401*: Differential Equations	4			X					
Math 2101: Calculus III	4			X					
Math 3111*: Linear Algebra	4				X				
Phys 1101: General Physics I	5		X						
Phys 1102: General Physics II	5			X					
Phys 2201: Circuits and Electronic Devices	4				X				

Notes: Requirements during the first two years for students who plan to transfer to the College of Science and Engineering vary somewhat among the engineering and science majors offered. It is essential that students verify requirements by checking departmental web pages:

<http://cse.umn.edu/>

A course in C or C++ is needed.

*UMN Morris Math 3111 and 2401 together equals TC Math 2243

Students should consider taking EE 2011 Linear Systems and Circuits during the summer on the Twin Cities Campus. This would help to ensure graduation in two years.

Contact: Benjamin Sharpe, College of Science and Engineering, UM. 105 Lind Hall, 207 Church St. SE, Minneapolis, MN 55455, 612-624-8504
sharp003@umn.edu