COMPUTER SCIENCE - SECURE COMPUTING (2026-2027)

Freshman FALL (16)	Freshman SPRING (16)	Sophomore FALL (15)	Sophomore SPRING (14)	Junior FALL (15)	Junior SPRING (15)	Senior FALL (15)	Senior SPRING (15)
CS 1400 Fundamentals of programming (3, F, Sp, Su)	**CS 1410** Object-Oriented Programming (3, F, Sp, Su)	**CS 2300** Discrete Mathematical Structures (3, F, Sp, Su)	**CS 2450** Software Engineering (3, F, Sp, Su)	**CS 3240** Discrete Mathematical Structures II ★ (3, F, Sp)	**CS 3060** Operating Systems Theory ★ (3, F, Sp, Su)	**CS 3310** Analysis of Algorithms ★ (3, F, Sp)	**CS 3050G** Global Social & Ethical Issues in Computing ★ (3, F, Sp, Su)
CS 1380 Modern Programming Essentials (3, F, Sp, Su)	**CS 2810** Computer Organization & Architecture (3, F, Sp, Su)	**CS 2420** Intro to Algorithms & Data Structures (3, F, Sp, Su)	**CS 2550** Web Programming I (3, F, Sp, Su)	**CS 3520** Database Theory ★ (3, F, Sp, Su)	**CS 3110** Applied Cryptography ★ (3, F, Sp)	**CS 3120** Ethical Hacking Tools Dev ★ (3, Fa)	**CS 4200** Secure Computing Capstone ★ (3, Sp)
ENGL 1010 Intro to Academic Writing (3, F, Sp, Su)	**ENGL 2010** Intermediate Writing (3, F, Sp, Su)	**CS 2600** Computer Networks I (3, F, Sp)	**CS 2900** Data Privacy & Security ★ (3, F, Sp)	**CS 3250, 3260, 3270, 3370, or 3380** ★ (3, F, Sp)	**IT 3510** Advanced Systems Admin - LINUX/UNIX ★ (3, F, Sp, Su)	**CS 3140 or CYBR 4350** ★ (3, F, Sp)	**CS 4120 or CYBR 3750** ★ (3, Sp)
MATH 1210 Calculus I (4, F, Sp, Su)	**PPCG** (See WT) (3, F, Sp, Su)	**Humanities** (See WT) (3, F, Sp, Su)	**Core Science** (See WT) (4, F, Sp, Su)	**IT 1510** Intro Sys Admin: LINUX/UNIX (3, F, Sp, Su)	**ELECTIVE #1** (See WT) ★ (3, F, Sp)	**ELECTIVE #2** (See WT) ★ (3, F, Sp)	**ELECTIVE #3** (See WT) ★ (3, F, Sp)
American Institutions (See WT) (3, F, Sp, Su)	**STAT 2050** Intro to Statistical Methods (4, F, Sp, Su)	**Fine Arts** (See WT) (3, F, Sp, Su)	**Core Science Lab** (See WT) (1, F, Sp, Su)	**Physical Science** (See WT) ★ (3, F, Sp, Su)	**Biology** (See WT) (3, F, Sp, Su)	**Social/ Behavioral** (See WT) (3, F, Sp, Su)	**ELECTIVE #4** (See WT) ★ (3, F, Sp)

See red note at bottom

See WT

For CS 1400: Understanding of math at least through high school algebra & trigonometry
For CS 1410 & 1380: Understanding of math at least through college algebra

MATH 1050 College Algebra

Option 1: CS 1400 & CS 1410
Option 2: CS 1420 & 1 CS elective not Already required. To enroll in CS 1420 Students must pass the entrance exam in room SE 407.

Students must complete these matriculation requirements before enrolling in any 3000- or 4000-level CS courses (except CS 305G):

- Pass ((CS 1400 and CS 1410) or (CS 1420)), CS 2300, and CS 2420 with a C+ grade or higher
- Pass MATH 1210 and ENGL 1010 with a C grade or higher
- Each of these classes can only be taken up to 2 times
- Have a cumulative GPA of 2.5 or higher

★UAS – University Advanced Standing requirement: Before students can register for 3000- or 4000-level courses they must qualify for UAS by:

- Completing at least 24 college credits
- Having a cumulative 2.0 GPA or higher
- Completing MAT 1030 or higher
- Completing ENGL 2010

Arrows indicate prerequisites.
WT = Wolverine Track.

DISCLAIMER – This flowchart is not meant to replace appointments with your Academic Advisor. It is important to meet with your Advisor regularly.

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