

# Computer Science Education

## Freshman Year

## Sophomore Year

## Junior Year

## Senior Year

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Freshman Fall	Freshman Spring	Sophomore Fall	Sophomore Spring	Junior Fall	Junior Spring	Senior Fall	Senior Spring
F, Sp, Su	F, Sp, Su	F, Sp, Su	F, Sp, Su	F, Sp, Su	F, Sp, Su	F, Sp	F, Sp
*ENGL 1010 Intro to Academic Writing	*ENGL 2010 Intermediate Writing	*PHIL 2050 Ethics and Values	CS 2420 Intro to Algorithms & Data Structures	DGM 1220 Digital Design Essentials	DGM 2120 Web Essentials	EDSC 3000 Educational Psychology	EDSC 4850 Student Teaching Secondary
F, Sp, Su	F, Sp, Su	F, Sp, Su	F, Sp, Su	F, Sp	F, Sp	F, Sp, Su	F, Sp
*MATH 1050 College Algebra	CS 1410 Object-Oriented Programming	CS 2300 Discrete Math Structures I	CS 2450 Software Engineering	CS 2600 Computer Networks I	CS 3250 Java or CS 3260 C# or CS 3270 Python or CS 3370 C++ or CS 3380 JavaScript	EDSC 325G Equitable Technology Integration	EDSC 4250 Classroom Management II
F, Sp, Su	F, Sp, Su	F, Sp, Su	F, Sp, Su	F, Sp, Su	F, Sp	F, Sp	F, Sp
CS 1400 Fundamentals of Programming	CS 2810 Computer Organization & Architecture	CS 2370 C++ Programming	CS 2550 Web Programming I	CS 305G Global Social & Ethical Issues in Computing	CS 3450 Principles & Patterns of Software Design	EDSC 4200 Classroom Management I	EDSC 4990 Teacher Performance Assessment Project
F, Sp, Su	F, Sp, Su	F, Sp, Su	F, Sp, Su	F, Sp	F, Sp, Su	F, Sp	F, Sp
*EXSC 1097 or HLTH 1100	*Biology Gen Ed (See Wolverine Track)	DGM 1110 Digital Media Essentials	*Fine Arts Gen Ed (See Wolverine Track)	CS 3100 Data Privacy and Security	EDSP 340G Exceptional Students	EDSC 4440 Content Area Literacies	EDSC 445G Multicultural Instruction ESL
F, Sp, Su	F, Sp, Su	F, Sp	F, Sp, Su	F, Sp, Su	F, Sp, Su	F, Sp, Su	F, Sp
*American Institutions (See Wolverine Track)	*Humanities (See Wolverine Track)	EDSC 1010 Introduction to Education	*Social/Behavioral (See Wolverine Track)	*Physical Science (See Wolverine Track)	*Third Science (See Wolverine Track)	EDSC 445G Multicultural Instruction ESL	EDSC 455G Secondary Curriculum Instruction & Assessment
					As Needed		
					BMED 4300 Methods of Teaching Computer Science		

\* Indicates General Education

Apply to Secondary Education Program

Catalog Year 2023-2024