

Department of Computer Science Tracks

	Computational Science & Engineering*	Computer Graphics & Visualization*	Database & Information Systems*	Foundations of Computer Science*	Machine Intelligence*	Programming Languages*	Security*	Software Engineering*	Systems Programming*
MA 26600 or 36600 Ordinary Differential Equations									
CS 30700 Software Engineering	1								
CS 31400 Numerical Methods									
CS 33400 Fundamentals of Computer Graphics	1/6								
CS 34800 Information Systems	2								
CS 35200 Compilers: Principles & Practice	2/6		I						
CS 35300 Principles of Concurrency & Parallelism									
CS 35400 Operating Systems	2/4		I						
CS 35500 Introduction to Cryptography			II						
CS 37300 Data Mining & Machine Learning			III						
CS 38100 Introduction to Analysis of Algorithms	2/3								
CS 39000—Web Application Development									
CS 39000—Virtual Reality Applications									
CS 40700 Software Engineering Senior Project									
CS 40800 Software Testing									
CS 42200 Computer Networks			III						
CS 42600 Computer Security			II						
CS 43400 Advanced Computer Graphics	2								
CS 44800 Introduction to Relational Database Systems	2								
CS 45600 Programming Languages	6								
CS 47100 Introduction to Artificial Intelligence	2/6		III						
CS 47300 Web Information Search & Management			III						
CS/BIOL 47800 Introduction to Bioinformatics			III						
CS 48300 Introduction to Theory of Computation	6								
CS 48900 Embedded Systems									
CS 49000—Distributed Systems									
CS 49000—Senior Project*	2		III						
CS 49700 Honors Research Project*	5		III						
CS Elective (300 level or higher*)									
EPCS 41100 + 41200 EPCS Senior Design Participation			III						
STAT/MA 41600 Probability									
STAT 51200 Applied Regression Analysis									
CS 51400 Numerical Analysis	5								
CS 51500 Numerical Linear Algebra	5								

Required

Elective

Required

Elective

*Refer to <https://www.cs.purdue.edu/undergraduate/curriculum/bachelor.html> for more information