

Computer Science, B.S. with Teacher Certification

Course	Title	Semester Credit Hours
Freshman Year		
Semester 1		
CHEM 1311 & CHEM 1111	General Chemistry I and General Chemistry I Lab	4
CSEN 2304	Introduction to Computer Science	3
Rhetoric & Composition		3
MATH 2413	Calculus I	4
UNIV 1201	Learning in Global Context	2
Semester Credit Hours		16
Semester 2		
CSEN 2306	Object-Oriented Programming	3
Rhetoric & Composition		3
American History		3
MATH 2414	Calculus II	4
Creative Arts		3
Semester Credit Hours		16
Sophomore Year		
Semester 1		
CSEN 2310	Object-Oriented Software Eng	3
American History		3
MATH 3320	Differential Equations	3
PHYS 2325 & PHYS 2125	University Physics I and University Physics I Lab	4
Government/Political Science		3
Semester Credit Hours		16
Semester 2		
CSEN 2328	Data Structures & Algorithms	3
MATH 3370	Discrete Mathematics	3
PHYS 2326 & PHYS 2126	University Physics II and University Physics II Lab	4
Government/Political Science		3
Lang/Phil/Culture		3
Semester Credit Hours		16
Junior Year		
Semester 1		
CSEN 3315	Computer Graphics	3
EEEN 2340	Digital Logic Design	3
MATH 1342	Elementary Statistical Methods	3
Communication		3
Social/Behavioral		3
Semester Credit Hours		15
Semester 2		
CSEN 3314	Database Systems	3
CSEN 3316	Software Engineering I	3
EDED 3310	Intro to Instructional Design ¹	3
EEEN 3449	Microprocessor Systems	4
POLS 4324		3
Semester Credit Hours		16

Senior Year**Semester 1**

CSEN 4201	Software Eng Project	2
CSEN 4317	Software Engineering II	3
CSEN 4320	Computer Networks	3
EDED 3302	Develop Behavr of Chl and Adol ¹	3
EDED 3333	Clstrm Mgt and Org in Mid Sch ¹	3
EEEN 4344	Computr Architectr and Design	3
Semester Credit Hours		17

Semester 2

CSEN 4202	Software Eng Project (WI)	2
CSEN 4340	Computer Security	3
CSEN 4362	Operating Systems	3
CSEN 4366	Programming Languages	3
EDED 3332	Curriculum and Materials Development and Planning ¹	3
EDED 3362	Instr Mthds and Strat Sec Sch ¹	3
Semester Credit Hours		17

Certification Semester

EDED 4623	¹	6
EDRG 4314	Developmental Corrective Reading for Secondary Schools ¹	3
EDSE 4349	Foundations Special Educ (WI) ¹	3
Semester Credit Hours		12
Total Credit Hours Required:		141

¹ 27 credit hours in education courses are required for teacher certification.