

SECONDARY TEACHER CERTIFICATION - COMPUTER SCIENCE AND MATH (BS)

BS: SECONDARY TEACHER CERTIFICATION - COMPUTER SCIENCE AND MATHEMATICS (CSMT) (BS)	
UNIVERSITY REQUIREMENTS	
Please see the University Requirements section of this catalog (page 38).	
MAJOR REQUIREMENTS	
Computer Science	
CS 120 Programming I.....	3
CS 130 Programming II.....	3
CS 220 Computer Organization.....	3
CS 230 Object-Oriented Programming.....	3
CS 332 Design and Analysis of Algorithms.....	3
JTC 460 Managing Technical Projects (writing-intensive and capstone).....	3
2 course selections from the following options:.....	6
CS 320 Database Programming and Design	
CS 352 Programming Languages	
CS 355 Compiler Construction	
CS 356 Operating Systems	
CS 374 Software Engineering	
TOTAL	24
Mathematics	
MATH 185 Calculus I..... (3) ¹	
MATH 186 Calculus II.....	3
MATH 187 Calculus Computer Laboratory.....	1
MATH 227 Discrete Mathematics.....	3
MATH 286 Calculus III.....	3
MATH 309 Algebraic Concepts for Teachers.....	3
MATH 311 Geometric Concepts for Teachers.....	3
MATH 325 Linear Algebra.....	3
MATH 377 Statistical Methods I.....	3
TOTAL	22
Professional Education Requirements	
EDUC 211 Educ. Found. and Multicultural Perspectives.....	3
EDUC 221 Educational Psychology..... (3) ¹	
EDUC 412 Secondary Curriculum and Media.....	3
EDUC 432 Secondary Management and Methods.....	3
EDUC 476 Effective Strategies for English Language Learners... 3	
EDUC 490 Student Teaching.....	6
READ 322 Reading in Secondary Content Areas.....	3
SPED 371 Teach. Students w/ Special Needs (writing-intensive) 3	
TOTAL	24
ELECTIVES	
Minimum.....	3
CRITERIA FOR ADMISSION TO TEACHER EDUCATION	
In accordance with Texas state law, students must meet the admission criteria described on page 119.	
OTHER GRADUATION REQUIREMENTS	
Minimum GPA in major.....	2.75
Minimum GPA for graduation.....	2.75
Minimum advanced hours.....	33
Minimum total hours.....	129
<i>Courses numbered 0** do not count in minimum hours required for degree.</i>	

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PHYS 379 Philosophy, Religion and Science (3)¹

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Other Required Courses

PHYS 379 Philosophy, Religion and Science..... (3)¹