

Computer Science

Secondary Education Certification Coursework 2016-2017

Required Coursework

<u>Semester 1</u>		<u>Semester 2</u>
CSCI 110, C-QR		CSCI 150
EDUC 125		THRS 117, C-TF
EDUC 130, C-IS		CSCI 205
PHIL 120, C-PF		Elective/Minor/Core

<u>Semester 3</u>		<u>Semester 4</u>
Sophomore Block		CSCI 220
EDUC 223		Elective/Minor/Core
EDUC 250		Elective/Minor/Core
EDUC 252		Elective/Minor/Core
EDUC 254		
EDUC 281		
EDUC 351		
CSCI 225		

<u>Semester 5</u>		<u>Semester 6</u>
Junior Block		EDUC 352
EDUC 330		CSCI 370
EDUC 332		CSCI Elective
EDUC 333		Elective/Minor/Core
EDUC 334		
CSCI 322		

<u>Semester 7</u>		<u>Semester 8</u>
CSCI 321		EDUC 450
CSCI 373		EDUC 455
SSCI 408, C-AD/DD		CSCI 460
SSCI 301/ENVS 300, C-AD/PN		

Requirement Checklist

- ☐ CSCI 110 Introduction to Computer Programming, C-QR
- ☐ CSCI 150 Applications of Discrete Structures, C-QR or MATH 250
- ☐ CSCI 205 Software Engineering and Elementary Data Structures
- ☐ CSCI 220 Advanced Data and File Structures
- ☐ CSCI 225 Machine Organization and Assembly Language
- ☐ CSCI 321 Analysis of Algorithms
- ☐ CSCI 322 Programming Languages
- ☐ CSCI 370 Introduction to Operating Systems
- ☐ CSCI 460 Senior Capstone Experience

One from:

- ☐ CSCI 330 Database Techniques and Modeling
- ☐ CSCI 340 Artificial Intelligence
- ☐ CSCI 347 Robotics and Real-Time Processing
- ☐ CSCI 350 Event Programming
- ☐ CSCI 373 Communications/Networks
- ☐ EDUC 125 Foundations of US Education
- ☐ EDUC 130 Psychology for Teaching, C-IS
- ☐ EDUC 223 Instructional Technology (2cr)
- ☐ EDUC 250 Pre-Student Teaching Experience, Secondary School (2cr)
- ☐ EDUC 252 The Comprehensive High School (2cr)
- ☐ EDUC 254 Instructional Methodologies for Adolescents (2cr)
- ☐ EDUC 281 Teaching Children with Disabilities (2cr)
- ☐ EDUC 330 The Early Adolescent: Classroom Management (2cr)
- ☐ EDUC 332 The Adolescent: Psyc /Methods in Middle School (2cr)
- ☐ EDUC 333 The Early Adolescent: Assessment (2cr)
- ☐ EDUC 334 Middle School Field Experience (2cr)
- ☐ EDUC 351 Reading and Language Arts Across Content Areas
- ☐ EDUC 352 Advanced Reading in Content Areas(2cr)
- ☐ EDUC 450 Student Teaching: Early Adolescence
- ☐ EDUC 455 Student Teaching: Adolescence
- ☐ SSCI 301 Environment and Society, C-AD/PN or ENVS 300
- ☐ SSCI 408 Social Inequalities: Race and Minority Relations, C-AD/DD