

# COMPUTER SCIENCE - SOFTWARE DEVELOPMENT CONCENTRATION, B.S.

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The **Software Development Concentration** prepares students for careers as software developers or for graduate study in computer science. This concentration consists of a solid core of computer science theory as well as several courses in computer programming utilizing a wide variety of programming languages.

Code	Title	Hours
CSCI 101	First Year Computer Science Seminar	3
CSCI 121	Programming in Java I	3
CSCI 122	Programming in Java II	3
CSCI 210	Networking Theory and Administration I	3
CSCI 236	Web Development	3
CSCI 243	Database Development	3
CSCI 328	Object Oriented Design	3
CSCI 336	Advanced Web Development	3
CSCI 343	Full Stack Development	3
Six credits of coursework from CSCI 347 or CSCI 447		6
CSCI 347	Intermediate Topics in Computing <sup>1</sup>	
CSCI 447	Advanced Topics in Computing <sup>1</sup>	
CSCI 361	Data Structures and Algorithms	3
CSCI 390	Junior Seminar	1
CSCI 452	Software Engineering	3
CSCI 461	Senior Project	3
CSCI 462	Senior Seminar	1
MATH 250	Discrete Mathematics	3
COMM 306	Business Writing and Presentation	3
Upper-Level CSCI Electives		6
<b>Total Hours</b>		<b>56</b>

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Must carry CSCI 332 Systems Analysis and Design as prerequisite.