

# WECIB Software Development Degree Planner A25590SD

**UPDATED 12/2/25 CL**

**Software Development A25590SD  
Incoming 11<sup>th</sup> grade Fall 2026**

GRADE 11 (FALL SEMESTER)	Date Earned	GRADE 11 (SPRING SEMESTER)	Date Earned
CSC-113 Artificial Intelligence Fundamentals (3)		DBA-120 Database Programming I (3) <b>PR: CTI-110</b>	
CTI-110 IT Foundations (3) <b>PR: (ENG 002 or ENG-025) and (MAT 003 or MAT-025 or MAT-035) HS unweighted GPA of 2.2 or better</b>		WEB-115 Web Markup and Scripting (3) <b>PR: CTI-110</b>	
Total Number of Credit Hours (6)		Total Number of Credit Hours (6+6) = 12	
<b>GRADE 11 (SUMMER)</b>			
CSC-121 Python Programming (3) (IT Specialist Python, PCEP or PCAP) <b>PR: CTI-110 or CSC-120</b>			
Total Number of Credit Hours (12+3) =15			
GRADE 12 (FALL SEMESTER)	Date Earned	GRADE 12 (SPRING SEMESTER)	Date Earned
CSC-114 Artificial Intelligence I (3) <b>PR: CSC-121</b>		CSC-256 Software Quality Assurance (3) <b>PR: CSC-121</b>	
CSC-151 Java Programming (3) <b>PR: MAT-045 or MAT-121 or MAT-143 or MAT-152 or MAT-171 HS unweighted GPA of 2.8</b>		CSC-251 Advanced Java (3) <b>PR: CSC-151</b>	
Total Number of Credit Hours (15+6) = 21		Total Number of Credit Hours (21+6) = 27	
GRADE 13 (FALL SEMESTER)	Date Earned	GRADE 13 (SPRING SEMESTER)	Date Earned
CSC-154 Software Development (3) <b>PR: DBA-120 and (CSC-151 or CSC-121)</b>		Project Elective (2 credits required): CSC-289 Programming Capstone Project (3) <b>PR: CTI-110 and CTI-120 and CTS-115 and CSC-154 and (CSC-121 or CSC-151) and CSC-256 and (CSC-221 or CSC-251) or WBL (2)</b>	
CSC-120 Computing Fundamentals I (4) <b>PR: MAT-003</b>		CSC-249 Data Structures & Algorithms (3) <b>PR: CSC-121 or CSC-151</b>	
CTI-120 Network & Sec Foundations (3) <i>*Most students earning CCST in 10<sup>th</sup> grade</i>		Major Elective (3) <b>Choose one: CSC-122, CSC-221, DBA-130 or DBA-240</b>	
CTS-115 Info Business Systems Concepts (3) <b>PR: ENG 025 or ENG 111</b>		CSC-227 Cloud Application Development (3) <b>PR: CTI 110 and (CSC-121 or CSC-151)</b>	
Total Number of Credit Hours (27+13) = 40		Total Number of Credit Hours (40+11) = 51	
College (5 <sup>th</sup> Period, Summer School options)	Date Earned	College (5 <sup>th</sup> Period, Summer School)	Date Earned
ENG 111 Writing and Inquiry (3)		Choose One (3): PSY 150 General Psychology, ECO-151, ECO-251, ECO-252, POL-120, PSY-118, SOC-210	
COM 110 or COM 120 or COM 231 (3)		MAT-121 or MAT-143 or MAT-152 or MAT-171/172, MAT 271/272 (3/4)	
HUM 110 or HUM 115 or PHI 240 (3)		<b>Total Number of Credit Hours (51+15) = 66</b>	
<p><b>Note:</b> Passing score for (CCST Network or Network+) = credit for CTI-120; IT Specialist Python or PCAP = credit for CSC-121. PCAP = credit for CSC-121 and CSC-221. High school 0A02 AP Computer Science (min score of 4) = credit for CSC-120. Alternate courses should be chosen from Grade 13 or GenEds and taken online during schedule. Credit opportunities for AP MAT and AP ENG.</p>			