

# WECIB Computer Programming Degree Planner

**UPDATED 6-25-25 CL**

Computer Programming A25590CP

GRADE 11 (FALL SEMESTER)	Date Earned	GRADE 11 (SPRING SEMESTER)	Date Earned
NOS 110 Operating Systems Concepts (3)		CTI 120 Network & Sec Foundation (3) (CCST Network or Network +) <b>*Take CTS-115 as alternate</b>	
CTI 110 IT Foundations (3) <b>PR: (ENG-025) and (MAT-025 or MAT-035)</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
DBA 120 Database Programming I (3) <b>PR: CTI-110</b>		CSC-256 Software Quality Assurance (3) <b>PR: CSC-121</b>	
CSC 151 Java Programming (3) <b>PR: MAT-121 or MAT-143 or MAT-152 or MAT-171</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
CTS-115 Info Business Systems Concepts (3) <b>PR: ENG 025 or ENG 111</b>		Project Elective (3 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</b>	
CSC-154 Software Development (3) <b>PR: DBA-120 and (CSC-151 or CSC-121)</b>		CSC-249 Data Structures & Algorithms (3) <b>PR: CSC-121 or CSC-151</b>	
CSC 120 Computing Fundamentals I (4) <b>PR: MAT-003</b>		Major Elective (3) <b>Choose one: CSC-114, CSC-122, CSC-221, DBA-130 or DBA-240</b>	
CSC-227 Cloud Application Development (3) <b>PR: CTI 110 and NOS-110 and (CSC-121 or CSC-151)</b>			
Total Number of Credit Hours (27+13) = 40		Total Number of Credit Hours (40+9) = 49	
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 (49+15) = 64</b>	

**Note:** Passing score for (CCST Network or Network+) = credit for CTI-120; IT Specialist Python or PCEP = 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.