



Dual Credit Educational Plan—STEM Certificate Programs

Student Name _____ LCC# _____ Stars ID# _____

Grade _____ Graduation Date _____ Program Selected _____

Students who are interested in completing a STEM certificate are encouraged to choose from either the Computer Application Specialist or Video Game Design & Development listed below. Students must meet the placement requirements for all courses.

Computer Application Specialist –*The purpose of this certificate is to develop industry relevant certification & technical expertise in computer technology and computer applications. This coursework can be applied toward the Associate of Applied Science Degree in Computer Science. ENG106 & MATH102 or higher is required.*

Eligible Dual Credit Course	Credits	Semester Taken	Grade Earned
*BCIS1110 – Introduction to Information Systems	3		
*CS105 – Introduction to Computer Science	3		
CS112 – Introduction to Operating Systems	3		
CS121 – Introduction to Programming	4		
CS130 – Introduction to Networking	4		
CS220 – A+ Essentials with Practical Applications	4		
Four elective courses from the following:			
CS140 <i>pre-requisite CS121</i> , CS215, CS245 <i>pre-requisite CS130</i> , CS248, CS261 <i>pre-requisite CS130</i> , CSA208, CSA217	12		

**Note: BCIS1110 & CS105 must be taken before any other program requirements or electives.*

Video Game Design & Development – *This certificate provides students with a deeper understanding of game development, technology, and the theory of gaming. ENG106 & MATH102 or higher is required.*

Eligible Dual Credit Course	Credits	Semester Taken	Grade Earned
VGD106 – Script Writing and Storyboarding	3		
VGD128 – Introduction to Video Game Development	3		
VGD130 – Art and Computer Animation	3		
VGD147 – Game Analysis and Critique	3		
VGD240 – Video Game Design	3		
Four courses from the following:			
CS105, BCIS1110, CS121 <i>pre-requisite CS105</i> , FDMA1260, FDMA1515, FDMA1630, STEM105, STEM117	12		

NOTE: *The above coursework is based on the 2019-2021 course catalog and is subject to change. Students are encouraged to meet with the appropriate LCC Advisor and get an official degree plan on file as requirements are subject to change with new catalogs. Students are also encouraged to review the full application requirements located in the LCC Catalog and on the webpage. Additional dual credit courses are available subject to advisor approval and based on the agreement between LCC and your high school.*

Student Signature

Parent Signature (if under 18)

Date

High School Counselor Signature

Dual Credit Coordinator Signature