



# Multimedia Game Simulation Program

For students that started the program during the 2024-2025 school year or later

Multimedia Programming, Simulation, & Gaming Associate Degree: 12 -13 WA Courses (depending on student choice for Restricted ELA course) – 43-46 CCAC credits & 19-23 RMU credits

Multimedia Game Simulation Certificate: 6 WA Courses – 18 CCAC Credits & 3 RMU credits

**\*\*Completion of the degree requires students to take at least 1 course outside of the course offering available at WAHS\*\***

	West Allegheny Course	Starting 9th grade	Starting 10th grade	Starting 11th grade	Starting 12th grade	CCAC courses	CCAC credits	Prerequisite	WA course type	
	0617 AP Computer Science Principles <small>(Only required for students completing the certificate and choosing not to take AP Comp Sci A)</small>	9th grade	10th grade	11th grade	12th grade	NOT ELIGIBLE FOR COLLEGE CREDIT nor required for program completion	0	Algebra 1	Math	
Certificate Courses	0620 Introduction to Game Design	9th grade	10th grade	11th grade	12th grade	CCAC - MMC 160: Game Design & Layout	3	Qualifying score on CCAC related placement test	Elective	
	0612 Multimedia Graphics	10th grade	10th grade	11th grade	12th grade	CCAC - MMC 113: Multimedia Graphics	3	None	Elective	
	0625 2D/3D Game Development	11th grade	11th grade	11th grade	11th grade	CCAC - MMC 165: 2D Game Design & Creation CCAC - MMC 250: Game Environments & Interactivity	3 3	AP Comp Science A or AP Computer Science Principles (WA only)	Math	
	0623 3D Modeling & Animation	11th grade	11th grade	11th/12th grade	12th grade	CCAC - MMC 260: 3D Modeling Design and Layout CCAC - MMC 270: 3D Animation and Design	3 3	None	Elective	
	0240 AP Psychology	11th grade	11th grade	11th grade	11th grade	RMU - PSYC 1010: General Psychology	3	Teacher recommendation	Social Studies	
Additional Courses Required for Associate Degree	0618 AP Computer Science A	11th grade	11th grade	11th grade	12th grade	CCAC - CIT 111: Intro to Programming: Java CCAC - CIT 130: Object Oriented Programming with Java	4 4	Qualifying score on CCAC related placement test(s); Algebra 2 (or concurrent enrollment)	Math	
	0620 Programming in C# & C++	12th grade	12th grade	12th grade	12th grade	CCAC - CIT 165: Programming in C# CCAC - CIT 245 Data Structures and Algorithms using C++	4 4	AP Computer Science A (CIT 111 & CIT 130)	Math	
	0626 Virtual Reality	12th grade	12th grade	12th grade	12th grade	CCAC - MMC 170: Virtual Design and Simulated Realities (registered for fall) CCAC - ART 144: Digital Photography (Asynch through CCAC in spring)	3 3	Intro to Game Design (CCAC-MMC 160); 2D/3D Game Development	Science	
	0624 Game Production & Marketing	12th grade	12th grade	12th grade	12th grade	CCAC - MMC 280: Multimedia Capstone (registered for spring semester due to prereq)	3	All other courses in the program must be successfully completed before taking this course	Social Studies	
	0122 AP English Language & Composition	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - CSEN 1010: Reading & Writing Strategies	3	Teacher recommendation	English	
	CCAC ENG 102 - English Composition 2 <small>-Taken directly through CCAC on your own</small>	12th grade	12th grade	12th grade	12th grade	Taken directly through CCAC or transferred in from RMU (students will schedule outside of school registration)	3	TBD	Elective	
	RESTRICTED ELA ELECTIVE <small>-Taken directly through CCAC or Child Development 2 (prereq of Child Dev 1) - for RMU ENGL 1070 credit</small>	12th grade	12th grade	12th grade	12th grade	Taken directly through CCAC or transferred in from RMU (students will schedule outside of school registration)	3	TBD	Elective	
	<i>One of the following:</i>									
	0317 HEC Algebra 2	9th/10th/11th grade	9th/10th/11th grade	9th/10th/11th grade	9th/10th/11th grade	RMU - MATH 1010 College Mathematics	3	Teacher recommendation	Math	
	0320 AP Precalculus	10th/11th/12th grade	10th/11th/12th grade	10th/11th/12th grade	10th/11th/12th grade	RMU - MATH 1020 PreCalculus	3	Teacher recommendation	Math	
0323 AP Calculus AB	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - MATH 2070: Calculus with Analytical Geometry I	3	Teacher recommendation	Math		
<i>One of the following:</i>										
0410 AP Biology	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - BIOL 1310/1315 Principles of Biology/Lab	4	Teacher recommendation	Science		
0411 AP Chemistry	12th grade	12th grade	12th grade	12th grade	RMU - CHEM 1210/1215 Chemistry I/Lab	4	Teacher recommendation			
0412 AP Physics 1	11th grade	11th grade	11th grade	12th grade	RMU - PHYS 1210/1215 General Physics 1/Lab	4	Teacher recommendation			

\*Courses/curriculum are subject to change at the college's discretion.

\*\*Students that begin in 11th grade or 12th grade grade may not be able to finish associate degree without taking courses beyond those taking during the traditional school day or at WAHS.

Updated February 2024