

EDINBORO UNIVERSITY OF PENNSYLVANIA
CURRICULUM REQUIREMENTS
 Bachelor of Science
Major: Computer Science
 Concentration: Game and Virtual World Development (0441)

Student: _____ ID# @ _____ Term: _____

I. GENERAL EDUCATION (44 SH)		SH	Grade	Date
A. Skills (13 SH)				
ENGL101 College Writing Skills	3			
ENGL102 Writ/Research	3			
MATH107 Precalculus	4			
CSCI125 Intro to Computer Science	3			
B. Core (22 SH)				
1. Artistic Expression	(3 SH)			
2. World Civilizations	(3 SH)			
3. American Civilizations	(3 SH)			
4. Human Behavior	(3 SH)			
5. Cultural Diversity & Social Pluralism	(3SH)			
6. Ethics	(3 SH)			
7. Natural Science	(4 SH)			
PHYS201 Physics I	4			
C. Distribution* (9 SH)				
1. Humanities & Fine Arts	(3 SH)			
2. Social & Behavioral Sciences	(3 SH)			
3. Science & Math**	(3 SH)			
MATH275 Linear Algebra I	3			

II. SPECIALIZATION: COMPUTER SCIENCE** (39 SH)		SH	Grade	Date
A. Computer Science Core (15 SH)				
CSCI130 Principles of Programming I	3			
CSCI230 Principles of Programming II	3			
CSCI312 Computer Architecture	3			
CSCI330 Object Oriented Programming	3			
CSCI385 Data Structures & Algorithms	3			
B. Computer Science Core (15 SH)				
CSCI340 Game Programming	3			
CSCI360 Introduction to Graphics	3			
CSCI370 Artificial Intelligence	3			
CSCI440 Game Design & Development	3			
CSCI485 Senior Project in Gaming	3			
C. Computer Science Electives (4 SH)				
3 to 4 credits may be CSCI496				
All credits must be 300 level or higher				

III. REQUIRED MATH ** (14 SH)		SH	Grade	Date
MATH211 Analytic Geometry/Calculus I	4			
MATH212 Analytic Geometry/Calculus II	4			
MATH270 Discrete Mathematics I	3			
STAT300 App Stats/Data Analysis	3			

IV. REQUIRED ART (12 SH)		SH	Grade	Date
ART102 Three-Dimensional Design	3			
ART268 Animation I	3			
ART249 Computer Animation I	3			
ART348 Computer Animation II	3			

V. FREE ELECTIVES* (16 SH)		SH	Grade	Date

**THIS IS NOT AN OFFICIAL TRANSCRIPT
OF RECORD**

Note: At most 12 computer science semester hours may be transferred into this degree program.

*** At least 8 SH of advanced coursework must be taken toward Distribution and Free Elective requirements**

**** A grade of C or better must be obtained in all CSCI, MATH, and STAT courses.**

TOTAL#	(120 SH)
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#Note: At least 42 semester hours must consist of advanced coursework