

Proposed for Fall 2026 NOT YET OFFICIAL

Pennsylvania Western University

Applied Computer Science Advisement Sheet – Game Concentration (Fall 2026)

General Education (42 Credits)

Foundations

Oral Communications Course _____
ENGL 1200: College Composition _____
MATH 1510: Discrete Structures _____
CMSC 1200: Problem Solv/Prog Constructs _____

Discoveries (9 courses total)

Arts & Humanities _____
Arts & Humanities _____
Arts & Humanities _____

Social Sciences _____
Social Sciences _____
Social Sciences _____

Natural Science & Tech _____
Natural Science & Tech _____
Natural Science & Tech _____

Elective or Wellness

Elective _____

Competencies

MAY BE CHANGING ANYWAY

Free Electives (36 credits)

Program Notes:

Program Requirements (42 Credits)

Required Major Courses

CMSC 1240 Computer Programming I _____
CMSC 2000 Introduction to Cybersecurity _____
CMSC 2040: Object-Oriented Programming _____
CMSC 3010: Structured System Documentation _____
CMSC 3040: Data Structures _____
CMIS 3200: Database App Programming _____
CMIS 3500: Web Programming I _____
CMSC 4900: Senior Project I _____
CMSC 4920: Senior Project II _____

Required Concentration Courses

CMSC 3700: 2D Game Programming _____
CMSC 3720: 3D Game Programming _____
CMSC 3740: Mobile Application Development _____
CMSC 3780: Computer Graphics _____
CMSC 4200: Artificial Intelligence _____