Concentration in **Game Design**

**Offered by:** The Department of Computer Science

**Administered by:** The Department of Computer Science; 303 Upson Hall

**Contact Person:** Nicole Roy, 303 Upson Hall, 255-0982, nicole@cs.cornell.edu

**Eligibility:** Students in the following colleges may participate in the **Concentration**: Agriculture and Life Sciences · Architecture, Art, and Planning (Architecture and Planning students only) · Arts and Sciences Human Ecology Industrial and Labor Relations

**Educational Objectives:** This concentration is for students who anticipate that game design will have a prominent role to play in their academic and professional career.

**To Apply for a Game Design Concentration:**

- Complete the form on the second page of this document: *Application to Certify Completion of a Concentration*
- Obtain an official transcript from the University Registrar’s Office in B7 Day Hall.
- Attach a copy of your transcript on which you have highlighted or underlined each course used for the concentration.
- Submit the form and the transcript to the Computer Science Undergraduate office, 303 Upson Hall.

**REQUIREMENTS**

*To complete the concentration, the student must take at least six (6) courses (18 credit minimum) chosen as follows:*

**Required Courses**

- CIS 3000 Game Design
- CIS 4000 Game Design II

**Additional Courses - Choose four of the following twelve courses:**

- **CS-focused courses:**
  - CS/ENGRD 2110: Object-Oriented Programming and Data Structures
  - CS 4450: Computer Networks
  - CS 4620/ARCH 3704: Introduction to Computer Graphics
  - CS 4700: Foundations of Artificial Intelligence
  - CS 5620: Interactive Computer Graphics
  - CS 5643: Physically Based Animation for Computer Graphics

- **Other courses:**
  - CIS 5640/ART 2730 (CS 5640 not allowed): Advanced Animation
  - COMM 4220: Psychology of Entertainment
  - ECE 4760: Designing with Microcontrollers
  - INFO/COMM 3450: Human-Computer Interaction Design
  - INFO/COMM 4400: Advanced Human-Computer Interaction Design

**Academic Standards:** A letter grade of C or better is required for each course in the concentration. CS majors cannot take courses from the **CS-focused list** for the Game Design Minor.
Application to Certify Completion of a Game Design Concentration

Agriculture and Life Sciences • Architecture, Art, and Planning*
Arts and Sciences • Human Ecology • Industrial and Labor Relations

Students in the College of Engineering should use the Game Design Minor form.

*Architecture and Planning students only

I. Applicant’s Information—Please supply the following:

Name: ________________________________________________
Cornell ID# ________________________________________
Email Address: _________________________________________ Phone: __________________
Major: __________________ Faculty Advisor: ____________________________
Projected Graduation Date (month/year): ____________
Concentration applying for: ______________________________________________________________________
_____________________________________________________________________________________________

II. Courses Applying to Concentration—Please list each course you have taken which will apply to the concentration program as described on the reverse of this form. Include the semester/year in which you completed each course, as well as the grade and number of credits you received.

NOTE: The concentration must be offered by a department other than that which offers your major(s), and is contingent upon successful completion of the degree requirements for your major.

1 ________________________________________________________________________________________________
2 ________________________________________________________________________________________________
3 ________________________________________________________________________________________________
4 ________________________________________________________________________________________________
5 ________________________________________________________________________________________________
________________________________________________________________________________________________

III. Transcript—Please attach a copy of your official transcript on which you have highlighted or underlined each of the courses listed above.

IV: Please sign below and submit this completed form to the Administrative Contact for the department offering the concentration: By signing, you certify that the information supplied on this form and transcript is accurate and that you have completed the necessary coursework and complied with the terms of the concentration program.

Student’s signature: ___________________________________________ Date: __________________

For use by the Administrative Contact:

Administrative Contact certifying concentration: ___________________________ Date: __________________
Original—College Registrar
Copies: Student, Undergraduate Coordinator of student’s major program, Undergraduate Coordinator of student’s concentration program.