

Minor 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 **Minor:** Agriculture and Life Sciences • Architecture, Art, and Planning (Architecture and Planning students only) • Arts and Sciences* • Engineering* • Human Ecology • Industrial and Labor Relations (Note that students in the School of Hotel Administration and AAP student majoring in Fine Arts are not eligible for the minor.)

*Computer Science majors *cannot* apply courses from the *CS-focused list* to the Game Design Minor.

Educational Objectives: This minor 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 Minor:

- Obtain the form *Application to Certify Completion of a Minor*;
- 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 minor;
- Submit the form and the transcript to the Computer Science Undergraduate office, 303 Upson Hall.

REQUIREMENTS

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

Required Courses

CIS 3000 Introduction to Computer Game Design

CIS 4002 Advanced Projects in Game Design

Additional Courses - Choose four of the following courses:

CS-focused courses:

CS/ENGRD 2110: Object-Oriented Programming and Data Structures

CS / INFO 3300: Data-Driven Web Applications

CS 4450: Computer Networks

CS 4620/ARCH 3704: Introduction to Computer Graphics

CS 4700: Foundations of Artificial Intelligence

CS 5625 (CS 5620 eligible if taken prior to AY 2011/2012): Interactive Computer Graphics

CS 5643: Physically Based Animation for Computer Graphics

Other courses:

ART 1701: Introduction to Digital Media

ART 2704: Interactive Digital Media

COMM 4220: Psychology of Entertainment Media

ECE 4760: Digital Systems Design Using Microcontrollers

INFO/COMM 2450: Communication and Technology

INFO/COMM 3450: Human-Computer Interaction Design

INFO/COMM 4400: Advanced Human-Computer Interaction Design

MUSIC 2421: Computers in Music Performance

MUSIC 3421: Scoring the Moving Image

PSYCH 3420/COGST 3420/VISST 3342: Human Perception: Applications to Computer Graphics, Art, and Visual Display

SOC 4340: Online Social and Information Networks

Academic Standards: A letter grade of C or better is required for each course in the concentration.

Application to Certify Completion of a Minor

(To be submitted after all applicable coursework has been completed or in final undergraduate semester, whichever comes first.)

I. Applicant's Information--Please supply the following:

Name: _____ Cornell ID# _____

Email Address: _____ Phone: _____

Major: _____ Faculty Advisor: _____ Graduation Date (month/year): ____ / ____

Minor applying for: _____

Year of Cornell Courses of Study/Engineering Handbook used for verifying minor: _____

II. Courses Applying to Minor--Please list each course you have taken which will apply to the 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.

Dept./Course Number	Semester/Year Completed	Credits	Grade
1 _____	_____	_____	_____
2 _____	_____	_____	_____
3 _____	_____	_____	_____
4 _____	_____	_____	_____
5 _____	_____	_____	_____
6 _____	_____	_____	_____

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 minor: 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 minor program.

Student's signature: _____ Date: _____

For use by the Administrative Contact Only:

Administrative Contact certifying: _____ Date: _____

Original-- Registrar of student's college

Copies: Student, Undergraduate Coordinator of student's major program, Undergraduate Coordinator of student's concentration program.