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
- 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.

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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.