

Minor in Game Design

Offered by: The Department of Computer Science

Administered by: The Department of Computer Science; 110 Gates Hall

Contact Person: Nicole Roy, 110E Gates Hall, 255-0982, nsr1@cornell.edu

Eligibility: Students in the following colleges may participate in the **Minor:** Agriculture and Life Sciences · Architecture, Art, and Planning · Arts and Sciences* · Engineering* · Hotel Administration · Human Ecology · Industrial and Labor Relations

*Computer Science majors *cannot* apply CS/ENGRD 2110/2112 or courses taken under the CS-rubric (with the sole exception of CS 4152 or CS 4154) to the *Additional Courses requirement* of 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* from:
<http://www.cs.cornell.edu/undergrad/csmajor/usefulforms>
- 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, 110E Gates Hall.

REQUIREMENTS

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

Required Courses

CS 3152 or INFO 3152: Introduction to Computer Game Architecture/Design
CS 4152 or INFO 4152: Advanced Topics in Computer Game Architecture/Design
or CS 4154: Analytics-driven Game Design

Additional Courses - Choose four of the following courses:

ART 2701: Introduction to Digital Media
ART 3704: Interactive Digital Media
COMM 4220: Psychology of Entertainment Media
CS/ENGRD 2110 or CS/ENGRD 2112: Object-Oriented Programming and Data Structures
CS / INFO 3300: Data-Driven Web Applications
CS / INFO 4152 (if not used as a *Required Course*): Advanced Topics in Computer Game Architecture/Design
CS 4154 (if not used as a *Required Course*): Analytics-driven Game Design
CS 4620/ARCH 3704: Introduction to Computer Graphics
CS 4700: Foundations of Artificial Intelligence
CS 5625: Interactive Computer Graphics
CS 5643: Physically Based Animation for Computer Graphics
ECE 4760: Digital Systems Design Using Microcontrollers
INFO/COMM 2450: Communication and Technology
INFO/COMM 3450: Human-Computer Interaction Design
INFO 3460
INFO/ARTH 3650
INFO/COMM 4400: Advanced Human-Computer Interaction Design
MUSIC 2421: Performing with Computers
MUSIC 3431/PMA 3680: Sound Design and Digital Audio
PMA 2730: Introduction to Dramatic Writing
PMA 3444: Animation Workshop- Experimental and Traditional Methods
PMA 3445: Animation History and Practice
PMA 3614: Creative Character Design
PSYCH 3420/COGST 3420/VISST 3342: Human Perception: Applications to Computer Graphics, Art, and Visual Display

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: _____ College: _____ 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.