

USER EXPERIENCE DESIGN CERTIFICATE

Program Description

With digital products on the rise, user experience design is fast becoming one of today's most coveted careers.

This certificate program approaches UX and other forms of product design through human-centered design, the practice of placing users and their needs as the focus of the work. This includes everything from creating effective and enjoyable user experiences to ethical and safe interactions between the user research team and the product. The courses begin with the foundational concepts of good design: human-computer interaction, usability, user experience, and user research.

Beginning with understanding the user, you will plan and conduct user research to gain insights into real users; their backgrounds, goals, and behaviors. In the second stage of the design process, you'll use your customer insights to develop scenarios and storyboards to formulate early visuals of the design concept. After gaining a firmer understanding of the design space, the physical visualizations begin to take shape as you lay out prototypes in the implementation stage. You'll have the opportunity to use leading software tools to bring the design concept to fruition, gaining applied design skills in real-world UX, UI, and product design.

In the last course and the final stage of the human-centered design process, you will evaluate your design. This will involve planning and running a usability testing session with someone from the user group and reporting on the results. At the end of the certificate program, you'll have a high-fidelity prototype which can be incorporated into your design portfolio to demonstrate an advanced representation of your UX design skills.

Key Takeaways

- Master key UX and human-centered design concepts for understanding users, analyzing design, employing ethical user research practices, and iterating design concepts
- Plan and conduct contextual interviews
- Extract insights from interview data to create user personas and design requirements
- Create a UX design concept using sketches, user scenarios, and storyboards
- Design an initial low-fidelity prototype, then move that into an interactive high-fidelity UX prototype
- Plan, develop, and conduct usability testing to inform future design iterations

What You'll Earn

- User Experience Design Certificate from Cornell Ann S. Bowers College of Computing and Information Science
- 108 Professional Development Hours (10.8 CEUs)
- 60 Professional Development Units (PDUs) toward PMI recertification

Who Should Enroll

- Product managers
- Web designers

- Software developers
- Marketing professionals
- UI/UX designers
- Graphic designers
- Instructional designers
- Accessibility specialists
- Anyone focused on customer experience evaluation

Total Investment

- 5 months to complete all the courses

How to Enroll

For more information on how to enroll, please visit User Experience Design Certificate (<https://ecornell.cornell.edu/certificates/technology/user-experience-design/>).

The courses in this certificate program are required to be completed in the order that they appear.

Courses

Code	Title	Hours
eCornell CIS301	Human-Centered Design Essentials	0
eCornell CIS302	Effective User Research	0
eCornell CIS303	Creating User Personas	0
eCornell CIS304	Developing a UX Design Concept	0
eCornell CIS305	Prototyping and UX Feedback	0
eCornell CIS306	Evaluating Usability	0