



Design + Environmental Analysis

DEA Curriculum Overview¹

AY 17-18

University and College Requirements

For university and college requirements, refer to *College of Human Ecology Curriculum Sheet* for DEA major for corresponding entry year. <http://www.human.cornell.edu/registrar/degree-progress/curriculum-sheets.cfm>

DEA Core Requirements

(Students will be pre-enrolled)

Fall Semester

1101 Visual Literacy and Design Studio
1200 Art + Science
2510 History of Design Futures
2730 Human-Centered Design Methods
3590 Problem-Seeking through Programming

Spring Semester

1050 Career Explorations
1150 Design Graphics and Visualization
1500 Intro to Environmental Psychology
3550 Research Methods in Human-Environment Relations²
4040 Professional Practice, Ethics & Entrepreneurship
4610 Professional Communication & Portfolio

DEA Thematic Courses

(Complete minimum of 10 courses from list, letter grade only, and three out of ten must be studio thematic.)

DS=Design Strategy & Innovation, SF=Sustainable Futures, HW=Health & Well-Being

Fall Semester

2020 Introduction to Sustainable Design (SF, DS)
2030 Digital Communications (DS)
2201 Magnifying Small Spaces Studio (DS,SF)
2550 Design Strategy and Management (DS)
2700 Healthy Places: Design, Planning & Public Health (HW,SF)
2900 Human Factors for Inclusive Design (HW)
3030 Interior Materials and Sustainable Elements (SF,DS)
3301 Design UX with Technology Studio (DS)
3500 The Ambient Environment (SF, HW)
3510 Ergonomics and Anthropometrics (HW)
3530 Planning and Managing the Workplace (DS)
4220 Ecological Literacy and Design (SF, DS)
4401 Adaptive Reuse Studio: Recycling the Built Environ (DS,SF)
4500 Policy Meets Design (DS, HW)
5304 Design Accountability: Eval of the Physical Environment (DS)
5550 Time, Typology and Transformation (DS)

Spring Semester

2040 High-Performance Buildings (SF,DS)
2203 StudioSHIFT (DS)
2750 Lighting Design: Light InForming Space (DS)
3050 Construction Documentation: CAD and BIM (DS)
3302 Sustainable Consumerism: New Retail Studio (DS)
3304 Health and Healing Studio (HW, DS)
4210 Interactive and Adaptive Environments (DS)
4402 Disruptive Design: Competitions Studio (DS)
4700 Applied Ergonomics Methods
5520 Virtual Experience of Designed Environments (DS)
5540 Workplace Strategies Studio (DS)
5560 Health Impact Assessment (HW)

Non-Required DEA Courses and Workshops

3600 Design City
5420/5421 Design Immersions

4230 Design Charrette

¹ This DEA Curriculum Overview is for planning purposes *only*. Course choices for any given semester must be cross-referenced with the corresponding major's *Curriculum Sheet*, which is available in the College of Human Ecology Registrar's Office, or on the CHE web site at: <http://www.human.cornell.edu/registrar/degree-progress/curriculum-sheets.cfm>.

² When DEA 3550 is not offered, choose one approved Research Methods course from the following list: COMM 2820, PAM 3120, ILROB 4710

Suggested Thematic Courses Based on Professional Tracks

Bolded courses are important to complete in preparation for professional licensing and/or certification.

Design + Interior Environmentsⁱ

(In addition to bolded titles, students should complete four (4) non-bolded studios from the list below.)

DEA 2020	Introduction to Sustainable Design
DEA 2040	High-Performance Buildings
DEA 2201	Magnifying Small Spaces Studio
DEA 2203	StudioSHIFT
DEA 2550	Design Strategy and Management
DEA 2750	Lighting Design: Light InForming Space
DEA 3030	Interior Materials and Sustainable Elements
DEA 3050	Construction Documentation: CAD and BIM
DEA 3301	Design UX with Technology Studio
DEA 3302	Sustainable Consumerism: The New Retail Studio
DEA 3304	Health and Healing Studio
DEA 3500	The Ambient Environment
DEA 4100	Diversity and Facility Design
DEA 4220	Ecological Literacy + Design
DEA 4401	Adaptive Reuse Studio: Recycling the Built Environment
DEA 4402	Disruptive Design Competitions Studio
DEA 4500	Policy Meets Design
DEA 5520	Virtual Experience of Design Environments
DEA 5540	Workplace Strategies Studio
DEA 5550	Time, Typology and Transformation

Facility Planning + Managementⁱⁱ

DEA 2020	Introduction to Sustainable Design
DEA 2040	High-Performance Buildings
DEA 2550	Design Strategy and Management
DEA 2700	Healthy Places: Design, Planning and Public Health
DEA 3030	Interior Materials and Sustainable Elements
DEA 3050	Construction Documentation: CAD and BIM
DEA 3301	Design UX with Technology Studio
DEA 3304	Health and Healing Studio
DEA 3500	The Ambient Environment
DEA 3530	Planning and Managing the Workplace: Evidence-Based Design & Organizational Ecology
DEA 4100	Diversity and Facility Design
DEA 4500	Policy Meets Design: High-Impact Facilities of the 21 st Century
DEA 5304	Design Accountability: Evaluation of the Physical Environment
DEA 5540	Workplace Strategies Studio
HADM 2250	Finance
HADM 3550	Hospitality Facilities Management
Real Estate	(Choose from HADM 4200 Principles of Real Estate, CRP 5075 Real Estate Project Workshop, CRP 5320 Real Estate Development Process, or CRP 5330 Real Estate Marketing and Management)
Project Management	(Choose from HADM 4570 Project Management for Hospitality Real Estate Development or CEE 5900 Project Management)

Ergonomics + Designⁱⁱⁱ

DEA 2040	High-Performance Buildings
DEA 2201	Magnifying Small Spaces Studio (or alternate studio option)
DEA 2700	Healthy Places: Design, Planning and Public Health
DEA 3030	Interior Materials and Sustainable Elements
DEA 3050	Construction Documentation: CAD and BIM
DEA 3301	Design UX with Technology Studio
DEA 3304	Health and Healing Studio
DEA 3500	The Ambient Environment
DEA 3510	Ergonomics and Anthropometrics
DEA 3530	Planning and Managing the Workspace: Evidence-Based Design & Organizational Ecology
DEA 4100	Diversity and Facility Design
DEA 4220	Ecological Literacy and Design
DEA 4700	Applied Ergonomic Methods
COMM 2450	Communication and Technology
COMM 3450	Human-Computer Interaction Design
NS 3410	Human Anatomy and Physiology

ⁱ To achieve eligibility toward taking the NCIDQ (National Council for Interior Design Qualification) examination, students must complete a minimum of 60 credit hours of interior design courses. Students should complete all bolded courses listed under the Design and Interior Environments heading above <http://www.ncidqexam.org/exam/eligibility-requirements/>

ⁱⁱ To fulfill competencies requirement by IFMA Accreditation. <https://foundation.ifma.org/accreditation>

ⁱⁱⁱ To prepare for Board Certification in Professional Ergonomics (BCPE), students should complete bolded courses listed under the Ergonomics and Design heading above. <http://www.bcpe.org/?s=Pilot+Exam>. Here is a link to the Core Competencies: <http://www.bcpe.org/how-to-certify/the-process/>