### Design + Environmental Analysis

**DEA Curriculum Overview¹**

Students should read [Undergraduate Student Policies](#) carefully, and are strongly recommended to consult their academic advisors for curriculum planning.

#### University and College Requirements

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

#### DEA Core Requirements

(Students will be pre-enrolled)

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>1101 Visual Literacy and Design Studio <em>(Offered Fall &amp; Spring)</em></td>
<td>1050 Career Explorations</td>
</tr>
<tr>
<td>1200 Art + Science</td>
<td>1150 Design Graphics and Visualization</td>
</tr>
<tr>
<td>2510 History of Design Futures</td>
<td>1500 Intro to Environmental Psychology</td>
</tr>
<tr>
<td>2730 Human-Centered Design Methods</td>
<td>3550 Research Methods in Human-Environment Relations²</td>
</tr>
<tr>
<td>3590 Problem-Seeking through Programming</td>
<td>4040 Professional Practice, Ethics &amp; Entrepreneurship</td>
</tr>
<tr>
<td>2510 History of Design Futures</td>
<td>4610 Professional Communication &amp; Portfolio</td>
</tr>
</tbody>
</table>

#### 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*

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020 Introduction to Sustainable Design <em>(SF, DS)</em></td>
<td>2040 High-Performance Buildings <em>(SF,DS)</em></td>
</tr>
<tr>
<td>2030 Digital Communications <em>(DS)</em></td>
<td>2203 StudioSHIFT <em>(DS)</em></td>
</tr>
<tr>
<td>2201 Magnifying Small Spaces Studio <em>(DS,SF)</em></td>
<td>2750 Lighting Design: Light InForming Space <em>(DS)</em></td>
</tr>
<tr>
<td>2422 Making Green: Sustainable Product Design Studio</td>
<td>3050 Construction Documentation: CAD and BIM <em>(DS)</em></td>
</tr>
<tr>
<td>2550 Design Strategy and Management <em>(DS)</em></td>
<td>3302 Sustainable Consumerism: New Retail Studio <em>(DS)</em></td>
</tr>
<tr>
<td>2700 Healthy Places: Design, Planning &amp; Public Health <em>(HW,SF)</em></td>
<td>3550 Problem-Seeking through Programming <em>(DS)</em></td>
</tr>
<tr>
<td>2900 Human Factors for Inclusive Design <em>(HW)</em></td>
<td>4040 Professional Practice, Ethics &amp; Entrepreneurship</td>
</tr>
<tr>
<td>3030 Materials for Design &amp; Sustainability <em>(SF,DS)</em></td>
<td>4610 Professional Communication &amp; Portfolio</td>
</tr>
<tr>
<td>3301 Design UX with Technology Studio <em>(DS)</em></td>
<td>4700 Applied Ergonomics Methods</td>
</tr>
<tr>
<td>3500 The Ambient Environment <em>(SF, HW)</em></td>
<td>5210 Interaction Design Studio <em>(DS)</em></td>
</tr>
<tr>
<td>3510 Ergonomics and Anthropometrics <em>(HW)</em></td>
<td>5305 Health and Healing Studio <em>(HW, DS)</em></td>
</tr>
<tr>
<td>3510 Ergonomics and Anthropometrics <em>(HW)</em></td>
<td>5520 Virtual Experience of Designed Environments <em>(DS)</em></td>
</tr>
<tr>
<td>3530 Planning and Managing the Workplace <em>(DS)</em></td>
<td>5540 Workplace Strategies Studio <em>(DS)</em></td>
</tr>
<tr>
<td>3770 Enabling Design: The Intersection of Age, Ability, and Design <em>(HW)</em></td>
<td>5560 Health Impact Assessment <em>(HW)</em></td>
</tr>
<tr>
<td>4220 Ecological Literacy and Design <em>(SF, DS)</em></td>
<td>4230 Design Charrette</td>
</tr>
<tr>
<td>4401 Adaptive Reuse Studio: Recycling the Built Environ <em>(DS,SF)</em></td>
<td>4500 Policy Meets Design <em>(DS, HW)</em></td>
</tr>
<tr>
<td>4500 Policy Meets Design <em>(DS, HW)</em></td>
<td>5304 Design Accountability: Eval of the Physical Environment <em>(DS)</em></td>
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</tbody>
</table>

#### Non-Required DEA Courses and Workshops

| 3600 Design City |
| 5420/5421 Design Immersions |

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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: 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 Environments**

(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 Materials for Design & Sustainability
- DEA 3050 Construction Documentation: CAD and BIM
- DEA 3301 Design UX with Technology Studio
- DEA 3302 Sustainable Consumerism: The New Retail 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 5305 Health and Healing Studio
- DEA 5520 Virtual Experience of Design Environments
- DEA 5540 Workplace Strategies Studio

**Facility Planning + Management**

- 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 Materials for Design & Sustainability
- DEA 3050 Construction Documentation: CAD and BIM
- DEA 3301 Design UX with Technology 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 21st Century
- DEA 5304 Design Accountability: Evaluation of the Physical Environment
- DEA 5305 Health and Healing Studio
- 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 + Design**

- 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 Materials for Design & Sustainability
- DEA 3050 Construction Documentation: CAD and BIM
- DEA 3301 Design UX with Technology 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
- DEA 5305 Health and Healing Studio
- COMM 2450 Communication and Technology
- COMM 3450 Human-Computer Interaction Design
- NS 3410 Human Anatomy and Physiology

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1 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. [https://www.cidq.org/eligibility-requirements](https://www.cidq.org/eligibility-requirements)

2 To fulfill competencies requirement by IFMA Accreditation. [https://foundation.ifma.org/accreditation](https://foundation.ifma.org/accreditation)

3 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=PilotExam](http://www.bcpe.org/?s=PilotExam) Here is a link to the Core Competencies: [http://www.bcpe.org/how-to-certify/the-process/](http://www.bcpe.org/how-to-certify/the-process/)

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