Design + 2015-2016

Environmental Analysis

The requirements listed below pertain to all students matriculating in August 2015 and January 2016.

I. Distribution Requirements

A. Natural Sciences

A.1. Natural Science lecture (lab not required)
   a. Score of 5 on AP Biology, AP Chemistry or AP Physics OR
   b. Must choose from the following list (must be taken at Cornell):
      BIOG 1140* CHEM 1560 or CHEM 2070
      BIOMG 1350* CHEM 2080
      BIOG 1440*/BIOG 1445* PHYS 1101 or PHYS 2207
      BIOEE 1610* PHYS 1102 or PHYS 2208
      *one semester of BIOG 1500 Investigative Lab can also be taken but is not required
   A.2. Natural Science (lab not required, must be taken at Cornell, no AP credit)
   a. Choose a course from the above list in A.1. OR
   b. Choose from the Human Ecology Natural Science Approved Course list: http://www.human.cornell.edu/registrar/requirements-and-policies.cfm

B. Social Sciences

I.B.1. Choose one of the following courses:
   HD 1100 Introduction to Lifespan Development OR
   HD 1150 Human Development: Infancy and Childhood OR
   HD 1170 Human Development: Adolescence and Emerging Adulthood OR
   PSYCH 1101 Introduction to Psychology

I.B.2. Choose one of the following courses:
   ECON 1110 Introduction to Microeconomics
   ECON 1120 Introduction to Macroeconomics

C. Humanities

Language credit may not be used in this area. (See: I.F.2.)

Includes literature, history (including art and design history), philosophy, religion, and archaeology. Critical, historical, and theoretical studies of the arts and design are considered humanities. Languages and creative or performing arts such as the writing of fiction or poetry, painting, sculpting, designing, composing or performing music, acting, directing, and dance are not considered humanities.

D. Written Communications

6

Must be First-Year Writing Seminars.

MUST BE COMPLETED DURING FIRST 2 SEMESTERS

E. Quantitative and Analytical

I.E.1. Statistics (must be taken at Cornell, AP Statistics is not accepted)
   PAM 2100 Introduction to Statistics OR
   AEM 2100 Introductory Statistics OR
   ILRST/STSCI 2100 Introductory Statistics OR
   PSYCH 3500 Statistics and Research Design

F. Additional credits

12

I.F.1. Take each of the following courses:
   DEA 1500 Introduction to Environmental Psychology (3)
   DEA 2510 History of Design Futures (3)

I.F.2. Courses from any natural science, social science, humanities, language, or mathematics courses can be counted here for remaining 6 credits.

II. Requirements in the Major

55.5-64.5

A. Students must complete the following DEA core courses (25.5 credits):

II.A.1
   DEA 1050 Career Explorations
   DEA 1101 Visual Literacy + Design Studio
   DEA 1110 Making a Difference: By Design OR
   DEA 1200 Art+Science
   DEA 1150 Design Graphics and Visualization
   DEA 3590 Problem-Seeking through Programming
   DEA 3700 Design Methods
   DEA 4040 Professional Practice, Ethics + Entrepreneurship
   DEA 4610 Professional Communication + Portfolio

II.A.2 Choose one of the following courses:
   COMM 2820 Research Methods in Communication
   HD 2830 Research Methods in Human Development
   ILROB 4710 Social Science Research Methods
   PAM 3120 Research Design, Practice and Policy
   PSYCH 4910 Research Methods in Psychology
B. DEA Selectives: Students must select from the list 10 courses in DEA thematic courses, letter grade only. Thematic concentrations consist of Design Strategies, Sustainable Futures, and Health + Well-Being.

II.B.1. Design Strategies
DEA 2100 Intro to Human-centered Design & Prototyping Studio
DEA 2201 Magnifying Small Spaces Studio
DEA 2203 Studio S H I F T
DEA 2550 Design Strategy and Management
DEA 2750 Light Informing Space
DEA 3050 Construction Documentation: CAD and BIM
DEA 3301 Design User-Experience (UxD) Studio
DEA 3302 Sustainable Consumerism Studio
DEA 3530 Planning and Managing the Workplace
DEA 4100 Diversity and Facility Design
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 + Transformation

II.B.2. Sustainable Futures
DEA 2020 Introduction to Sustainable Design
DEA 2040 High-Performance Buildings
DEA 3030 Interior Materials + Sustainable Elements
DEA 3500 The Ambient Environment
DEA 4401 Adaptive Reuse Studio
DEA 4220 Ecological Literacy + Design

II.B.3. Health + Well-Being
DEA 2700 Healthy Places
DEA 3304 Health + Healing Studio
DEA 3510 Ergonomics + Anthropometrics
DEA 4300 Furniture as a Social Art Studio
DEA 4700 Applied Ergonomic Methods

III. Electives variable credit

IV. Physical Education    2
Physical Education must be completed in order to graduate. However, physical education does not count toward college and university minimum credit requirements for full-time status, nor does it count towards the 120 credits required for graduation.

Total Credits (exclusive of PE) 120

College Requirements:
- Students must complete a minimum of 9 HUMEC credits outside of DEA. These credits are given for any Human Ecology course outside your major from Category I, II, or III. These can be taken S/U only if course is NOT used to fulfill a curriculum requirement.

- Students must complete a minimum of 43 HUMEC credits. Hum Ec credits are given in Category I (distribution), Category II (in your major) and Category III (electives).

- Biology & Society (BSOC) courses do not count as Human Ecology credit or towards the 9 HE credits outside the major.

Pass/Fail Courses [S/U]
- S/U grading option may NOT be used for any required course [i.e., distribution requirements in Category I or major courses in Category II] unless it is the only grade option offered for those courses.
- S/Us MAY be used for the 9 credits of Human Ecology coursework outside of the major and for electives in Category III.
- Students may apply no more than 12 credits of S/U towards graduation requirements. If a required course is only offered S/U, it will not count towards this limit. Students may take more S/Us if they choose, but the additional credit will not be applied towards graduation.
- The deadline for changing grade options is the 57th calendar day of the semester, the same as the “drop” deadline.

- Special Study Courses [4000, 4010, 4020, 4030]
  - A total of 12 credits of special study course work from Human Ecology or other colleges will count towards the 120 graduation credit requirement. [Additional credits can be taken but will not be applied.]
  - A maximum of three credits of 4000-4020 (not including 4030) may count towards the “credit outside the major” category as long as the special study is in a department outside the student’s major.
  - Students cannot TA (4030) the same course for credit more than once or take and TA the same course simultaneously. 4030 does not fulfill any requirements towards the major. Registration for 4030 may not exceed 5 credit hours per semester.

- Students must complete 120 credits overall, exclusive of physical education and “00” courses.

- Elective credits can be earned in Human Ecology or elsewhere.
Suggested Courses Based on Career Interests

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

**Design + Interior Environments**

In addition to bolded titles, students should take four (4) non-bolded studios from list below:

- **DEA 2020 Introduction to Sustainable Design**
- **DEA 2040 High-Performance Buildings**
- **DEA 2201 Magnifying Small Spaces Studio**
- **DEA 2203 Studio S H I F T**
- **DEA 2550 Design Strategy and Management**
- **DEA 2750 Light Informing Space**
- **DEA 3030 Interior Materials + Sustainable Elements**
- **DEA 3050 Construction Documentation: CAD and BIM**
- **DEA 3301 Design Experience (UxD) Studio User**
- **DEA 3302 Sustainable Consumerism Studio**
- **DEA 3304 Health + Healing Studio**
- **DEA 3500 The Ambient Environment**
- **DEA 4100 Diversity and Facility Design**
- **DEA 4220 Ecological Literacy + Design**
- **DEA 4401 Adaptive Reuse Studio**
- **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 + Transformation**

**Facility Planning + Management**

- **DEA 2020 Introduction to Sustainable Design**
- **DEA 2040 High-Performance Buildings**
- **DEA 2550 Design Strategy and Management**
- **DEA 2700 Healthy Places**
- **DEA 3030 Interior Materials + Sustainable Elements**
- **DEA 3301 Design User-Experience (UxD) Studio**
- **DEA 3304 Health + Healing Studio**
- **DEA 3500 The Ambient Environment**
- **DEA 3530 Planning and Managing the Workplace**
- **DEA 4100 Diversity and Facility Design**
- **DEA 4500 Policy Meets Design**
- **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)
- **CEE 5900 Project Management**

**Ergonomics + Design**

- **DEA 2100 Intro to Human-centered Design & Prototyping Studio**
- **DEA 2201 Magnifying Small Spaces Studio**
- **DEA 2700 Healthy Places**
- **DEA 3030 Interior Materials + Sustainable Elements**
- **DEA 3301 Design User-Experience (UxD) Studio**
- **DEA 3304 Health + Healing Studio**
- **DEA 3500 The Ambient Environment**
- **DEA 3510 Ergonomics + Anthropometrics**
- **DEA 4100 Diversity and Facility Design**
- **DEA 4220 Ecological Literacy + Design**
- **DEA 4300 Furniture as a Social Art Studio**
- **DEA 4700 Applied Ergonomic Methods**

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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. [http://www.ncidq.org/Exam/EligibilityRequirements.aspx#er](http://www.ncidq.org/Exam/EligibilityRequirements.aspx#er)

2. To prepare for the CFM (Certified Facility Manager) Exam, students should complete all bolded courses listed under the Facility Planning Management heading above. [http://www.ifmacredentials.org/cfm](http://www.ifmacredentials.org/cfm)

3. To prepare for Board Certification in Professional Ergonomics (BCPE), students should complete all bolded courses listed under the Ergonomics and Design heading above. [http://bcpe.org/page/Pilot-Exam-Information](http://bcpe.org/page/Pilot-Exam-Information)