**Design and Environmental Analysis**

**Option II: Facility Planning & Management**

The requirements listed below pertain to all students matriculating in August 2011 and January 2012.

### I. Distribution Requirements

<table>
<thead>
<tr>
<th>Credits</th>
<th>Natural Sciences</th>
<th>Social Sciences</th>
<th>Humanities</th>
<th>Written Communications</th>
<th>Quantitative and Analytical</th>
<th>Additional credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>37–39</td>
<td>6-8</td>
<td>6</td>
<td>3</td>
<td>6</td>
<td>4</td>
<td>12</td>
</tr>
</tbody>
</table>

#### A. Natural Sciences

- **A.1.** Natural Science lecture (lab not required)
  - Score of 5 on AP Biology, AP Chemistry or AP Physics OR
  - Must choose from the following list (must be taken at Cornell):
    - BIOG 1105 CHEM 1560 or CHEM 2070
    - BIOG 1106 CHEM 2080
    - BIOG 1140* PHYS 1101 or PHYS 2207
    - BIOG 1350* or BIOG 1440* or BIOG 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)
  - Choose a course from the above list in A.1. OR
  - 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 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 anthropology. 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.

### II. Requirements in the Major

<table>
<thead>
<tr>
<th>Credits</th>
<th>Must take the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td>57</td>
<td></td>
</tr>
</tbody>
</table>

- **A.** Must take the following:
  - DEA 1101 Interior Design Studio I
  - DEA 1110 Making a Difference: By Design
  - DEA 2040 Introduction to Building Technology
  - DEA 2150 Digital Graphics
  - DEA 2410 Introduction to Computer Aided Design
  - DEA 2550 Introduction to Facilities Planning and Management
  - DEA 3030 Interior Materials & Sustainable Elements
  - DEA 3250 Human Factors: Ergonomics-Anthropometrics
  - DEA 3500 Human Factors: Ambient Environment
  - DEA 3540 Facility Planning and Management Studio
  - DEA 4100 Facility Planning & Design in a Diverse Society
  - DEA 4530 Planning and Managing the Workplace
  - DEA 4540 Computer Aided Facility Management
  - DEA 4550 Research Methods in HER
  - DEA 4590 Programming Methods in Design
  - DEA 6250 Collaborative Sustainable Building Practice
  - CEE 5900 Project Management
  - HADM 2225 Finance
  - HADM 2255 Hospitality Development and Planning
  - HADM 4420 Principles of Real Estate
  - HADM 3355 Hospitality Facilities Operations
III. Electives

**Recommended Courses:**
- AEM 1200, 3240
- ARCH 1301, 2601, 2602
- CEE 5950
- CRP 5320, 5330
- DEA 2030, 2510, 3520, 4520, 4700, 6480, 6610, 6760
- HADM 1115, 3321, 3351, 4423
- NBA 3000, 5530, 5640, 6030
- NCC 5500, 5540, 5560
- PSYCH 2050, 2800

**Category IV: Physical Education**

Physical education does not count toward college and university minimum credit requirements for full-time status.

**Total Credits (exclusive of PE) 120**

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**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 3 weeks after the start of classes, the same as the “add” 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.