Design and Environmental Analysis Option III: Human Factors & Ergonomics

The requirements listed below pertain to all students matriculating in August 2008 and January 2009.

### I. Distribution Requirements 37–39 Credits

#### A. Natural Sciences 6-8 Credits

Take two from the following and all sciences MUST have a **LAB** component:

- **BIO G 1101-1103** *or* **BIO G 1105 or BIO G 1110**
- **CHEM 1560 or CHEM 2070**
- **BIO G 1102-1104** *or* **BIO G 1106 or BIO G 1109**
- **CHEM 2080**
- **PHYS 1101 or PHYS 2207 or PHYS 1112**
- **CHEM 2150**
- **PHYS 1102 or PHYS 2208 or PHYS 2213**
- **CHEM 2160**

*The combinations BIO G 1101-1103 and BIO G 1102-1104 each count as a single course.*

#### B. Social Sciences 6 Credits

Choose one of the following courses:

- **HD 1115 Human Development**
- **PSYCH 1101 Introduction to Psychology**

Choose one of the following courses:

- **ECON 1110 Introduction to Microeconomics**
- **ECON 1120 Introduction to Macroeconomics**

#### C. Humanities 3 Credits

Language credit may not be used in this area.

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 Credits

Must be First-Year Writing Seminars.

**MUST BE COMPLETED DURING FIRST 2 SEMESTERS**

### E. Quantitative and Analytical 4 Credits

Statistics (must be taken at Cornell, AP Statistics is not accepted)

- **PAM 2100 Introduction to Statistics** OR
- **AEM 2100 Introductory Statistics** OR
- **ILRST 2100 Introductory Statistics** OR
- **ILRST 2120 Statistical Reasoning**

### F. Additional credits 12 Credits

- **COMM 2010 Oral Communication** (3)
- **ILROB 1220 Introduction to Organizational Behavior** (3)

Choose one of the following courses (3):

- **BEE 3299 Sustainable Development**
- **DEA 4220 Ecological Literacy and Sustainable Design**
- **NTRES 2010 Environmental Conservation**

Courses from any natural science, social science, humanities, language, or mathematics courses can be counted here for remaining 3 credits.

### II. Requirements in the Major 47 Credits

#### A. Must take the following:

- **DEA 1101 Interior Design Studio I**
- **DEA 1110 Making a Difference: By Design**
- **DEA 1500 Introduction to Human-Environment Relations**
- **DEA 2030 Digital Communications**
- **DEA 2040 Introduction to Building Technology**
- **DEA 2150 Digital Graphics**
- **DEA 2500 Environment and Social Behavior**
- **DEA 2510 History and Theory of the Interior**
- **DEA 3030 Interior Materials and Sustainable Elements**
- **DEA 3250 Human Factors: Ergonomics-Anthropometrics**
- **DEA 3500 Human Factors: The Ambient Environment**
- **DEA 4100 Facility Planning & Design in a Diverse Society**
- **DEA 4530 Planning and Managing the Workplace**
- **DEA 4550 Research Methods in HER**
- **DEA 4590 Programming Methods in Design**
- **DEA 4700 Applied Ergonomic Methods**
- **DEA 4720 Environments for Elders: Housing & Design for an Aging Population**
III. Electives

Recommended Courses:
- AEM 2200
- ARCH 2602, 3601
- COMM 3010
- DEA 2410, 4150, 4300, 4510, 6480
- HD 1150, 2200
- HE 3010
- HADM 2255
- ILROB 1750, 4720
- ILRST 2120, 3100
- M&AE 4660
- PSYCH 1200, 2050, 2140, 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

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).

- 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.