Design and Environmental Analysis 2007-2008
Option III: Human Factors & Ergonomics

The requirements listed below pertain to all students matriculating in August 2006 and January 2007.

I. Distribution Requirements

A. Natural Sciences
   Take two from the following and all sciences MUST have a LAB component:
   - BIO G 101-103* or BIO G 105 or BIO G 110
   - CHEM 206 or CHEM 207
   - BIO G 102-104* or BIO G 106 or BIO G 109
   - CHEM 208
   - PHYS 101 or PHYS 207 or PHYS 112
   - CHEM 215
   - PHYS 102 or PHYS 208 or PHYS 213
   - CHEM 216

   *The combinations BIO G 101-103 and BIO G 102-104 each count as a single course.

B. Social Sciences
   Choose one of the following courses:
   - HD 115 Human Development
   - PSYCH 101 Introduction to Psychology

C. Humanities
   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
   Must be First-Year Writing Seminars.
   MUST BE COMPLETED DURING FIRST 2 SEMESTERS

E. Quantitative and Analytical
   1. Math competency equivalent to BTRY 115 (precalculus) or MATH 100:
      a. AP of 3 or higher on AB test OR
      b. AP of 3 on BC test OR
      c. Pass a math course equivalent to or higher than BTRY 115/MATH 100
   2. Statistics
      - PAM 210 Introduction to Statistics OR
      - AEM 210 Introductory Statistics OR
      - ILRST 210 Introductory Statistics OR
      - ILRST 212 Statistical Reasoning

F. Additional credits
   - COMM 201 Oral Communication
   - ILROB 122 Introduction to Organizational Behavior
   Choose one of the following courses:
   - NTRES 201 Environmental Conservation
   - BEE 299 Sustainable Development
   - DEA 422 Ecological Literacy and Sustainable Design

II. Requirements in the Major

A. Must take the following:
   - DEA 101 Design Studio I
   - DEA 111 Making a Difference: By Design
   - DEA 150 Introduction to Human-Environment Relations
   - DEA 203 Digital Communications
   - DEA 204 Introduction to Building Technology
   - DEA 215 Digital Graphics
   - DEA 250 Environment and Social Behavior
   - DEA 251 History and Theory of the Interior
   - DEA 303 Interior Materials and Sustainable Elements
   - DEA 325 Human Factors: Ergonomics-Anthropometrics
   - DEA 350 Human Factors: The Ambient Environment
   - DEA 410 Facility Planning & Design in a Diverse Society
   - DEA 453 Planning and Managing the Workplace
   - DEA 455 Research Methods in HER
   - DEA 459 Programming Methods in Design
   - DEA 470 Applied Ergonomic Methods
   - DEA 472 Environments for Elders: Housing & Design for an Aging Population

Credits

I. Distribution Requirements 37–42
E. Quantitative and Analytical 4-7
F. Additional credits 9
II. Requirements in the Major 42
III. Electives

Variable Credit

Recommended Courses:
AEM 220
ARCH 262, 361
COMM 301
DEA 241, 415, 430, 451, 648
ENGRG 102
HD 115, 220
HE 301
HADM 255
ILROB 175, 420
ILRST 212, 310
M&AE 466
PSYCH 102, 201, 205, 214, 280

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 40 HUMEC credits. Hum Ec credits are given in 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 [400, 401, 402, 403]
  - 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 400-402 (not including 403) 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 (403) the same course for credit more than once or take and TA the same course simultaneously. 403 does not fulfill any requirements towards the major. Registration for 403 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.