

# B.S. in Human Factors Psychology

## Daytona Beach Program Requirements

|                                |            |
|--------------------------------|------------|
| General Education Requirements | 36         |
| Core Requirements              | 48         |
| Specified Electives            | 18         |
| Open Electives                 | 21         |
| <b>Total Credits</b>           | <b>123</b> |

## General Education Requirements

|                                                                                                         |           |
|---------------------------------------------------------------------------------------------------------|-----------|
| Communication                                                                                           | 9         |
| COMM 122 English Composition                                                                            |           |
| Humanities - Lower Level                                                                                | 3         |
| Social Sciences - Lower Level                                                                           | 3         |
| PSYC 101 Introduction to Psychology<br>or PSYC 222 Introduction to Industrial/Organizational Psychology |           |
| Humanities/Social Sciences - Lower or Upper Level                                                       |           |
| Humanities/Social Sciences - Upper Level                                                                | 3         |
| Computer Science/Information Technology                                                                 | 3         |
| Mathematics                                                                                             | 6         |
| Physical/Life Sciences *                                                                                | 6         |
| <b>Total Credits</b>                                                                                    | <b>36</b> |

\* One course must have a lab

## Core Requirements

|                                                                                           |           |
|-------------------------------------------------------------------------------------------|-----------|
| HFCT 300 Human Factors Principles and Fundamentals                                        | 3         |
| HFCT 302 Human Factors Methods and Techniques                                             | 3         |
| HFCT 302L Human Factors Methods and Techniques Laboratory                                 | 1         |
| HFCT 307 Human Factors Performance Processes                                              | 3         |
| HFCT 307L Performance Processes Laboratory                                                | 1         |
| PSYC 310 Sensation and Perception                                                         | 3         |
| PSYC 315 Cognitive Psychology                                                             | 3         |
| HFCT 310 Human-Computer Interaction                                                       | 3         |
| HFCT 312 Ergonomics and Bioengineering                                                    | 3         |
| HFCT 400 System Design                                                                    | 4         |
| PSYC 323 Research Design                                                                  | 3         |
| PSYC 323L Research Methods Laboratory                                                     | 1         |
| UNIV 101 College Success                                                                  | 1         |
| HFCT 490 Practicum in Human Factors Psychology                                            | 3         |
| or HFCT 401 Applied Research                                                              |           |
| or HFCT 491 Human Factors Capstone                                                        |           |
| or PSYC 490 Psychology Capstone                                                           |           |
| or COIN 396 Co-Operative Education                                                        |           |
| or COIN 496 Co-Operative Education                                                        |           |
| PSYC 312 Research Analysis in Psychology                                                  | 4         |
| PSYC 335 Physiological Psychology                                                         | 3         |
| <b>Computer Science Electives</b>                                                         |           |
| Choose Two of the Following:                                                              | 6         |
| Any CPSC, BUAN 125, BUAN 232, CESC 220, CESC 220L, CYBR 235, ENGR 115, ENGR 120, SFTW 300 |           |
| <b>Total Credits</b>                                                                      | <b>48</b> |

## Specified Electives

|                          |           |
|--------------------------|-----------|
| Upper-Level HFCT Courses | 9         |
| Upper-Level PSYC Courses | 9         |
| <b>Total Credits</b>     | <b>18</b> |

## Open Electives

|                      |           |
|----------------------|-----------|
| Open Electives       | 21        |
| <b>Total Credits</b> | <b>21</b> |

## Suggested Plan of Study

### Year One

| Requirements                                                          | Credits   |
|-----------------------------------------------------------------------|-----------|
| COMM 122 - English Composition                                        | 3         |
| PSYC 101 - Introduction to Psychology                                 | 3         |
| MATH 120 - Applied College Algebra or 111 - Pre-calculus for Aviation | 3         |
| CPSC 120 - Introduction to Computing in Aviation                      | 3         |
| UNIV 101 - College Success                                            | 1         |
| <b>Semester Hours</b>                                                 | <b>13</b> |

| Requirements                                                           | Credits   |
|------------------------------------------------------------------------|-----------|
| COMM 219 - Speech                                                      | 3         |
| HFCT 300 - Principles and Fundamentals                                 | 3         |
| MATH 220 - Concepts of Calculus or 112 - Applied Calculus for Aviation | 3         |
| Humanities - Lower Level (140 series)                                  | 3         |
| Physical/Life Sciences with Lab                                        | 4         |
| <b>Semester Hours</b>                                                  | <b>16</b> |

### Total Credits

Total Hours for All Requirements: 29

### Year Two

| Requirements                               | Credits   |
|--------------------------------------------|-----------|
| COMM 221 - Technical Communication         | 3         |
| PSYC 312 - Research Analysis in Psychology | 4         |
| Computer Science Elective                  | 3         |
| Specified Elective - Human Factors         | 3         |
| Open Elective                              | 3         |
| <b>Semester Hours</b>                      | <b>16</b> |

| Requirements                                           | Credits   |
|--------------------------------------------------------|-----------|
| HFCT 302 - Analytic Methods and Techniques             | 3         |
| HFCT 302L - Analytic Methods and Techniques Laboratory | 1         |
| PSYC 335 - Physiological Psychology                    | 3         |
| Humanities/Social Sciences Lower or Upper Level        | 3         |
| Physical/Life Sciences                                 | 3         |
| Open Elective                                          | 3         |
| <b>Semester Hours</b>                                  | <b>16</b> |

## Total Credits

Total Hours for All Requirements: 32

### Year Three

| Requirements                                 | Credits   |
|----------------------------------------------|-----------|
| HFCT 307 - Performance Processes             | 3         |
| HFCT 307L - Performance Processes Laboratory | 1         |
| HFCT 310 - Human-Computer Interaction        | 3         |
| Computer Science Elective                    | 3         |
| Humanities/Social Sciences - Upper Level     | 3         |
| Open Elective                                | 3         |
| <b>Semester Hours</b>                        | <b>16</b> |

| Requirements                                                                                                              | Credits   |
|---------------------------------------------------------------------------------------------------------------------------|-----------|
| HFCT 490 - Practicum in Human Factors Psychology, COIN 396 - Co-Operative Education, or COIN 496 - Co-Operative Education | 3         |
| HFCT 312 - Ergonomics and Bioengineering                                                                                  | 3         |
| PSYC 323 - Research Design                                                                                                | 3         |
| PSYC 323L - Research Methods Laboratory                                                                                   | 1         |
| Specified Elective - Psychology                                                                                           | 3         |
| Open Elective                                                                                                             | 3         |
| <b>Semester Hours</b>                                                                                                     | <b>16</b> |

## Total Credits

Total Hours for All Requirements: 32

### Year Four

| Requirements                        | Credits   |
|-------------------------------------|-----------|
| PSYC 315 - Cognitive Psychology     | 3         |
| PSYC 310 - Sensation and Perception | 3         |
| Specified Elective - Human Factors  | 3         |
| Specified Elective - Psychology     | 3         |
| Open Elective                       | 2         |
| <b>Semester Hours</b>               | <b>14</b> |

| Requirements                       | Credits   |
|------------------------------------|-----------|
| HFCT 400 - System Design           | 4         |
| Specified Elective - Human Factors | 3         |
| Specified Elective - Psychology    | 3         |
| Open Elective                      | 3         |
| Open Elective                      | 3         |
| <b>Semester Hours</b>              | <b>16</b> |

## Total Credits

Total Hours for All Requirements: 30