

B.S. Human Factors – With Approved Application Area (SHF)

This is not an official list of degree requirements. Adjustments may be required due to curriculum changes.

First Year

Fall

Course	Prerequisite	Credit
Essential Ed UN 1015 Composition		3
Essential Ed STEM: A math course relevant to application area		3
Essential Ed Natural and Physical Science: BL 2010 Anatomy/Physiology and BL 2011 Lab		4
Essential Ed MTU Seminar: HF 1999 Intro to the Human Factors Major		1
Essential Ed Foundations in the Human World: HF 2000 Intro to Eng Psych		3
Essential Ed Activities for Well-being and Success		1
Total		15

Spring

Course	Prerequisite	Credit
Essential Ed Math: PSY 2720 Statistics for the Behavioral Sciences	MA 1020 or higher	3
Essential Ed STEM: Computing Elective	varies	3
PSY 2800 Critical Thinking	HF 2000	3
Essential Ed SHAPE		3
Free Elective		3
Total		15

Second Year

Fall

Course	Prerequisite	Credit
Essential Ed Arts and Culture		3
HF User Experience and Design Elective		3
Essential Ed Activities for Well-being and Success		1
PSY 3600 Cognitive Psych	HF 2000	3
PSY 3000 Research Methods I	HF 2000, PSY 2720	3
HF 3850 Human Factors	HF 2000, UN 1015	3
Total		16

Spring

Course	Prerequisite	Credit
HF 2300 Intro to Human-Centered Design		3
HF Application Area Course		3
Essential Ed Communication Intensive		3
PSY 3001 Research Methods II	PSY 3000	3
*PSY 3800 Environmental Psych	HF 2000, UN 1015	3
Total		15

Third Year

Fall

Course	Prerequisite	Credit
Essential Ed Intercultural Competency		3
Essential Ed Activities for Well-being and Success		1
*PSY 3700 Industrial/Organizational Psych	HF 2000	3
*HF 4015 Cognitive Task Analysis	HF 2000, UN 1015	3
HF Application Area Courses		6
ENT 3950 Enterprise Project Work III	junior or senior	1
Total		17

Spring

Course	Prerequisite	Credit
Essential Ed Experience		3
HF 3999 Third-Year Seminar	junior	1
HF Application Area Course		3
HU 4628 Usability Evaluation and Testing or HF 4880 Usability Assessment	UN 1015	3
ENT 3960 Enterprise Project Work IV	junior or senior	1
*PSY 4160 Sensation & Perception or PSY 4750 Judgment & Decision Making	HF 2000	3
Total		14

Fourth Year

Fall

Course	Prerequisite	Credit
HF Application Area Courses		6
KIP 4250 Ergonomics	junior or senior	3
ENT 4900 Enterprise Project Work V Non-Capstone	senior	2
Free Elective		3
Total		14

Spring

Course	Prerequisite	Credit
HF Application Area Course		3
ENT 4910 Enterprise Project Work VI Non-Capstone	senior	2
Free Electives		9
Total		14

Grand Total (minimum) = 120 Credits

***NOTE:** This is an optimal schedule. Because some courses are offered every other year, we may need to adjust the order in which you take them. Please contact Dr. Kay Tislar (cltislar@mtu.edu) for a customized schedule.