

B.S. in Mechanical Engineering to M.S. in Human Factors

This program allows the exceptional student to complete the Bachelor of Science in Mechanical Engineering (BSME) and Master of Science in Human Factors (MSHF) degrees at the Daytona Beach campus.

Upon completing the undergraduate requirements, the Bachelor of Science degree in Mechanical Engineering will be conferred, and students will be enrolled in the graduate degree. In any graduate course taken by an undergraduate student, a grade of "B" or better must be earned. These credits will count toward the undergraduate and graduate degree requirements, provided the student maintains enrollment in the combined program and receives a "B" or better in the courses.

If the student chooses to leave the program before the completion of the MSHF program and has acquired the minimal hours required for graduation with the B.S. in Mechanical Engineering, any MSHF transition courses used to meet graduation requirements will be noted as undergraduate courses for the purpose of graduation.

Approved Courses for the Combined Program

Students enrolled in the combined option must consult their academic advisor and the MSHF program coordinator to determine appropriate course selection. Students will take HFCT 510 and/or HFCT 511 to replace an equal number of third- and fourth-year technical elective courses in the BSME degree.

This program does not require any Human Factors courses to be completed prior to application. It is recommended that HFCT 510 Research Design and Analysis I and HFCT 511 Research Design and Analysis II be taken during the fall and spring semesters of their undergraduate senior year so as not to delay the completion of the MSHF degree.

View BSME requirements (<https://catalog.erau.edu/programs/undergraduate/bachelors/mechanical-engineering/>)

View MSHF requirements (<https://catalog.erau.edu/programs/graduate/masters/human-factors/>)

Combined Program Requirements

Undergraduate BSME Courses	123
MSHF Transition Courses	6
HFCT 510 Research Design and Analysis I	
HFCT 511 Research Design and Analysis II	
Graduate MSHF Courses	30
Total Credits	159

Students must fulfill the required MSHF core classes and any remaining courses from the transitional period that have not been completed.