B.S. Industrial & Systems Engineering-Human Systems Integ. 2020-2021 Academic Year

Student Information
Name: ___________________________  OSU ID: ___________________________  OSU Admit Term: __________
Phone: ___________________________  Email (name.number@osu.edu): __________

Suggested Curriculum
This should be used as a guide only. Semester offerings are subject to change.

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Total Hours to complete the degree program = 127

Program Options
1 Choose one of the following: ANATOMY 2220, 2300, 3300, ANTHROP 2200, BIOLOGY 1113, 1114, 2100, CHEM 1210, 1250, EARTHSC 1911, 2155, 2203, 2204, 3203, ENR 2155, 3280, EEOB 2510, 2520, GEOG 2200, 3300, PHYSICS 3700

All students must satisfy a 32 credit hour minimum for math and basic sciences. Students with high math or science placements and transfer students without credit for lower courses should consult with an ISE academic advisor to ensure this minimum is met. Such students may be required to take additional approved coursework to meet graduation requirements.

Acceptance Criteria
Acceptance into this program is based on a holistic review of the student’s record including an essay. Admission to major is considered only after a student has taken at least 12 credit hours of letter grade in their undergraduate career at OSU and have completed the following courses: MATH 1151, 1172; ENGR 1181, 1182; PHYSICS 1250, (or their equivalents). Applications are accepted Autumn and Spring semester ONLY. Students must complete the online ISE Major Application the semester in which the student is completing their pre-major requirements (i.e. the semester before the students wants to enter the major). For more information please visit our website (https://ise.osu.edu/degrees/admission-ise-major) or see an Academic Advisor in the Department of Industrial and Systems Engineering.

Revised 2/22/2021
Technical and Other Electives

2 The ISE program includes 15 semester hours of technical electives from a specific track.

2 Choose three of the following (9 credit hours): ISE 5110, ISE 5610, ISE 5620, ISE 5640, ISE 5682.01, ISE 5710, ISE 5740, ISE 5760, ISE 5820, ISE 5870

3 Choose two of the following (6 credit hours): Any ISE Technical Elective from this track (listed above), Any ISE elective from another track, Any outside approved elective (see https://ise.osu.edu/degrees/curriculum-ise-elective-tracks) for list.

General Education Requirement

Writing and Communication

English 1110.xx 3 hr

Second Writing Course: recommend ENR 2367, COMM 2367, NURSING 2367 or COMPSTD 2367.04 3 hr

Social Science

Only one course per Social Science group may count.

3 hr

Literature

3 hr

Visual and Performing Arts

3 hr

Historical Study

3 hr

Second Historical Study or Cultures and Ideas

3 hr

Social Diversity in the U.S. or Global Diversity

Some courses may overlap with another GE category. See course list. 0 / 3 hr

Ethics

Some courses may overlap with another GE category. See course list. 0 / 3 hr

Foreign Language

Pre-approved substitutions

A. Credit (including EM) for a foreign language sequence through 1103, or credit for a foreign language course with a prerequisite of 1103, can be substituted for one Gen Ed course requirement as a Cultures & Ideas.

B. Completion of a foreign language minor can be substituted for two Gen Ed courses: one course as a Social Science, (Individuals & Groups or Organizations & Polities subgroups only) and one course as either a Literature or a Cultures & Ideas.

Parameters: Students must choose either Substitution A OR Substitution B. Both substitutions cannot be applied simultaneously.

University Capstone (Cross-Disciplinary Seminar)

Pre-approved substitutions

Completion of a Social Science 3597 or 4597 can be substituted for a Social Science general education course in any group. Completion of an Arts & Humanities 3597 or 4597 can be substituted for a Visual/Performing Arts general education course.

See the list of approved general education courses for additional details: www.advising.engineering.osu.edu.