

Requirements for Associate in Engineering Science A.E.S.

These requirements apply to students who first enrolled for Fall 2024 or later. Students who first enrolled prior to Fall 2024 should obtain the appropriate sheet of requirements from a Student Development Center.

Completion of the Associate in Engineering Science degree does not fulfill the requirements of the Illinois General Education core curriculum. After transfer, AES students will need to complete the general education requirements of the institution to which they transfer.

No more than two GEG and two HST courses (except HST 105) may be used to fulfill the General Education requirements.

Core Curriculum	Hours Required	Harper Courses
Communications 2 courses A grade of C or better is required for ENG 101 and 102	6	ENG 101, 102
Mathematics	15	MTH 200, 201, 202
Computer Science Computer Science elective should be chosen based on engineering specialty and requirements of institution to which students transfer.	4	CSC 121
Physical and Life Sciences	15	CHM 121; PHY 201, 202
Humanities and Fine Arts Minimum of 3 hours required from this category. Courses marked with a + meet the World Cultures and Diversity graduation requirement. One 3 credit-hour + course is required for graduation and must be from either the Humanities/Fine Arts or the Social Behavioral Sciences. An additional Humanities/Fine Arts course may be required at the transfer institution.	3	Humanities: FRN 202, 210; GER 202, 210 ⁺ ; HST 105 or HUM 105; HUM 104 ⁺ , 120, 125 ⁺ ; JPN 202; LIT 105, 110, 115, 206, 207, 208 ⁺ , 210, 219, 220 ⁺ , 221, 222, 223 ⁺ , 224 ⁺ , 231, 232; PHI 101, 105, 115, 120, 160 ⁺ , 205 ⁺ , 215 ⁺ , 220, 225, 231, 232; SGN 202, 210 ⁺ ; SPA 202, 210 ⁺ Fine Arts: ART 105, 114, 130, 131, 132, 133 ⁺ ; MCM 200 ⁺ ; MUS 103, 104 ⁺ , 106, 120; THE 111 ⁺ , 121 ⁺ Interdisciplinary Studies: HUM 101 ⁺ , 102 ⁺ , 106 ⁺ , 107 ⁺ , 110 ⁺ ; LIT 112
Social and Behavioral Sciences Minimum of 3 hours required from the category. Courses marked with a + meet the World Cultures and Diversity graduation requirement. One 3 credit-hour course is required for graduation and must be from either the Humanities/Fine Arts or the Social Behavioral Sciences. An additional Social/Behavioral Science course may be required at the transfer institution.	3	ANT 101 ⁺ , 202 ⁺ , 205, 206 ⁺ ; ECO 200 ⁺ , 211, 212; GEG 100 ⁺ , 101 ⁺ , 103 ⁺ , 104 ⁺ , 150; HED 202 ⁺ ; HST 111, 112, 121 ⁺ , 141, 142, 231 ⁺ , 232 ⁺ , 241 ⁺ , 242 ⁺ , 243 ⁺ , 245 ⁺ ; PSC 101, 220, 250 ⁺ , 270 ⁺ , 280 ⁺ ; PSY 101 ⁺ , 216, 217, 218, 228; SOC 101 ⁺ , 120 ⁺ , 205 ⁺ , 215 ⁺ , 230 ⁺ , 235 ⁺
Engineering Specialty courses approved in consultation with the engineering department chair.	16	CHM 122, 204, 205; CSC 122, 211, 214, 216, 217; EGR 100, 105, 110, 120, 210, 211, 212, 240, 265, 295; MTH 203, 212, 220; PHY 203
World Cultures and Diversity Requirement One 3-credit hour course is required. Courses that fulfill this requirement may also be used to fulfill requirements the General Education category.		Select one course marked with a + from the above Groups.
Total Hours Required	62	