Social Science Humanities & General Education Requirements
2014-2015 Catalog

Each curriculum has specific General Education (Gen Ed) or Social Sciences & Humanities (SSH) requirements, listed below. In this list, a "sequence" of courses means either:

- Two courses in the same area, with one course being a prerequisite for the other. (Example: Soc 134 and 235)
- Two courses in the same area, with the two courses being continuous or related. (Example: Hist 201 and 202)

In addition to the requirements below, all students must complete the following as part of their overall social sciences and humanities (or general education) credits. These courses are listed at the following university website: http://www.iastate.edu/~registrar/courses/div-ip-guide.html

- A three-credit course approved as meeting ISU’s U.S. Diversity requirement; and,
- A three-credit course approved as meeting ISU’s International Perspective requirement

Aerospace Engineering (15 total credits)

- Selected from a department-approved list
- Any elementary foreign languages must be taken as a full-year sequence to get credit for either course
- No more than 6 credits in 100-level courses
- A 6 credit (2 course) area of emphasis is required (does not have to be in the same dept.)
- No skills courses (Ex Sp, Music) or remedial courses
- Cannot include courses in engineering, physical or mathematical sciences, computer science, or 300-level technical elective courses
- 200-level life science courses or Business courses not counting as a technical elective may be considered if part of career goal, but must have permission of department prior to enrollment.

Agricultural Engineering (12 total credits)

- Selected from department-approved list
- In addition to the above 12 SSH electives, Sp Cm 212, Engl 309, Engl 314, AgEds 311, or MKT 343 are accepted as a required communication elective

Biological Systems Engineering (12 total credits)

- Selected from department-approved list
- In addition to the above 12 SSH electives, Sp Cm 212, Engl 309, Engl 314, AgEds 311, or MKT 343 are accepted as a required communication elective

Chemical & Biological Engineering (15 total credits)

- Selected from department-approved list
- At least 6, but not more than 9, credits from the same department
- Any foreign language except 490, 491, 493, or 497
- In addition to the above 15 SSH electives, Engl 309, Engl 312, Engl 314, or JL MC 347 are accepted as a required communication elective

Civil Engineering (12 total credits)

- Selected from department-approved list
- At least 6 must be at the 200-level or above
- In addition to the above 12 SSH electives, Sp Cm 212 is a required communication elective
- In addition to the above 12 SSH electives, 3 credits of technical communications are also required

Computer Engineering and Electrical Engineering (15 total credits)

- 6 credits at the 300-level or above
- Must meet an educational objective approved by faculty advisor
- Cannot include courses in engineering, computer science, physical or mathematical sciences
- In addition to the above 15 general education electives, Engl 309 or Engl 314 are accepted as a required technical communication elective
Construction Engineering (12 total credits)
- Must include Psych 101, 230, 250, or 280 OR Soc 134
- Must include Econ 101 or 102
- In addition to the above 12 SSH electives, Engl 302, Engl 309, or Engl 314 are accepted as a required business communication elective

Industrial & Manufacturing Systems Engineering (12 total credits)
- Selected from department-approved list
- At least one 6-credit sequence of prerequisite or related courses
- At least 6 credits at the 200-level or above
- In addition to the above 12 SSH electives, Sp Cm 212 is a required communication elective
- In addition to the above 12 SSH electives, Engl 314 is a required technical communication elective

Materials Engineering (15 total credits)
- Must be department-approved
- No more than 9 credits in 100-level courses
- No more than 9 credits from one department
- A 6 credit area of emphasis is required
- No skills courses (Kin, Music–choir or band) or remedial courses
- Cannot include courses in engineering, physics, chemistry, mathematics, computer science, or 300+ level technical elective courses
- Engl 314, 302, 309 or JL MC 347 is required as a communication elective. This can be taken as one of the general education elective credits or as the free elective.

Mechanical Engineering (15 total credits)
- Selected from department-approved list
- Must include Econ 101 or 102
- At least 3 additional credits in social sciences
- 6 credits in humanities
- No more than three 100-level courses
- In addition to the above 15 SSH electives, Engl 302, 309, 314 or Sp Cm 212 are accepted as a required communication elective

Software Engineering (15 total credits)
- Selected from approved Liberal Arts & Sciences general education lists in “arts and humanities” and “social sciences”
- Must include economics elective – Econ 101, Econ 102 or IE 305
- 6 credits in humanities
- 3 credits in social sciences
- 3 credits from either humanities or social sciences
- History/Culture foreign language courses at the 300-level and above are accepted, but not language courses (ie: 301, 303)
- In addition to the above 15 general education electives, Sp Cm 212 is a required communication elective
- In addition to the above 15 general education electives, Engl 309 or Engl 314 are accepted as a required technical communication elective

Undeclared Engineering (Suggested for Maximum Flexibility)
- At least 6 credits in social sciences and 6 credits in humanities
- At least one six-credit sequence in the same department
- Not more than 9 credits from one subject area
- No more than two 100-level courses
- At least 6 credits at the 300-level or above

Additional courses may be accepted by individual curricula in accordance with approved lists available from the administering department. We encourage students to obtain the departmental approved lists and requirements as soon as possible – most are on the department’s website. In regards to simultaneous coverage of SSH/Gen Ed, Diversity (D) and International Perspectives (I) courses, students may simultaneously fulfill SSH/Gen Ed, sequence requirements and Int Persp, and Div requirements by choosing courses that have I and D coverage, but the number of credits in the SSH/Gen Ed areas must still total 12 or 15 as established by the degree program.
<table>
<thead>
<tr>
<th>Social Sciences and Humanities/General Education Courses</th>
<th>Accepted by Engineering</th>
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<tbody>
<tr>
<td>201, 330, 347, 350, 353, 354</td>
<td>239, 240, 276, 377</td>
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<tr>
<td>African American Studies (AF AM)</td>
<td>Human Development and Family Studies (HD FS)</td>
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<tr>
<td>American Indian Studies (AM IN)</td>
<td>Journalism and Mass Communication (JL MC)</td>
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<tr>
<td>Anthropology (ANTHR)</td>
<td>461, 464, 474, 476, 477</td>
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<tr>
<td>Architecture (ARCH)</td>
<td>Liberal Arts and Sciences Cross-Disciplinary Studies (LAS)</td>
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<tr>
<td>Art History (ART H)</td>
<td>211, 322, 385</td>
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<tr>
<td>Biology (BIO)</td>
<td>Music (MUSIC)</td>
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<td>307</td>
<td>102, 383, 384, 472</td>
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<tr>
<td>Classical Studies (CL ST)</td>
<td>Philosophy (PHIL)</td>
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<tr>
<td>273, 275, 353, 372, 373, 374, 376, 394</td>
<td>All except 206, 207, 490, 492</td>
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<tr>
<td>Community and Regional Planning (C R P)</td>
<td>(i.e. 201, 235, 338)</td>
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<tr>
<td>291</td>
<td>Political Science (POL S)</td>
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<tr>
<td>Economics (ECON)</td>
<td>All except 101, 298, 301, 417, 430, 475, 476, 490-499</td>
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<tr>
<td>101, 102, 301, 302, 312, 320, 321, 355, 370, 380, 385</td>
<td>(i.e. 215, 241, 251, 349, 350, 385, 452)</td>
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<td>English (ENGL)</td>
<td>Psychology (PSYCH)</td>
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<td>Environmental Studies (ENV S)</td>
<td>Religious Studies (RELIG)</td>
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<td>342, 345, 382, 484</td>
<td>All except 340, 490, 491</td>
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<td>History (HIST)</td>
<td>(i.e. 205, 210, 242, 232, 238, 334, 336, 352, 356)</td>
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<tr>
<td>All except 490, 495</td>
<td>Sociology (SOC)</td>
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<td>Technology and Social Change (T SC)</td>
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<td>341, 342</td>
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<tr>
<td>World Languages and Cultures (WLC)</td>
<td>(Software Engr does not accept lang courses)</td>
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<tr>
<td>All except F Lng 486, 487, 491</td>
<td>(102, 201, 202 any foreign language)</td>
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</tbody>
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Notes: 1Indicates course meets "U.S. Diversity Requirement"
2Indicates course meets "International Perspectives Requirement"
Courses listed in **bold** are humanities; courses listed in plain type are social sciences.