HUMANITIES AND ENGINEERING (COURSE 21E)

Bachelor of Science in Humanities and Engineering

As a matter of general Course 21 policy, subjects used to meet the General Institute Science Requirement, the REST Requirement, and the Laboratory Requirement may not be included in the six-subject Engineering component of 21E degrees. Up to six subjects (72 units) may be used for both the major and the GIRs, but the units from those subjects may not count toward the 180 units required beyond the GIRs. In addition, no more than one subject that counts toward the distribution component of the HASS Requirement may also be counted toward this major. At least eight of the subjects required for the chosen program cannot also count toward another major or a minor.

Students must designate two CI-M subjects by petitioning the Subcommittee on the Communication Requirement. Normally, students are expected to complete one CI-M from each area of study, usually chosen from the subjects designated as CI-M for each major.

General Institute Requirements (GIRs)

The General Institute Requirements include a Communication Requirement that is integrated into both the HASS Requirement and the requirements of each major; see details below.

Summary of Subject Requirements

<table>
<thead>
<tr>
<th>Subjects</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Science Requirement</td>
<td>6</td>
</tr>
<tr>
<td>Humanities, Arts, and Social Sciences (HASS)</td>
<td>8</td>
</tr>
<tr>
<td>Requirement [up to six subjects can be from the Departmental Program. Only one subject being used to meet the distribution component of the HASS Requirement may be counted toward the degree program.]; at least two of these subjects must be designated as communication-intensive (CI-H) to fulfill the Communication Requirement.</td>
<td></td>
</tr>
<tr>
<td>Restricted Electives in Science and Technology (REST) Requirement</td>
<td>2</td>
</tr>
<tr>
<td>Laboratory Requirement (12 units)</td>
<td>1</td>
</tr>
<tr>
<td>Total GIR Subjects Required for SB Degree</td>
<td>17</td>
</tr>
</tbody>
</table>

Physical Education Requirement

Swimming requirement, plus four physical education courses for eight points.

Restricted Electives

For the humanities component, choose one of the following (further details may be obtained from the descriptions of programs in specific fields and the relevant field office):

- African and African Diaspora Studies
- American Studies
- Ancient and Medieval Studies
- Anthropology
- Asian and Asian Diaspora Studies
- Comparative Media Studies
- Global Studies and Languages (in French, German, or Spanish)
- History
- Latin American and Latino/a Studies
- Literature
- Music
- Russian and Eurasian Studies
- Science, Technology, and Society (STS)
- Theater Arts
- Women’s and Gender Studies
- Writing

Restricted Electives Units 81-114

Units in Major 135-186

Unrestricted Electives Units 48-117

Units in Major That Also Satisfy the GIRs (36-72)

Total Units Beyond the GIRs Required for SB Degree 180

The units for any subject that counts as one of the 17 GIR subjects cannot also be counted as units required beyond the GIRs.

1. African and African Diaspora Studies, American Studies, Ancient and Medieval Studies, Asian and Asian Diaspora Studies, Latin American and Latino/a Studies, Russian and Eurasian Studies and Women’s and Gender Studies are also available as options within the Course 21 degree program (http://catalog.mit.edu/degree-charts/humanities-course-21), by special arrangement with the Dean of the School of Humanities, Arts, and Social Sciences.

2. This chart has been calculated based on an overlap of 36 units (three subjects) between the HASS General Institute Requirement and the departmental requirements. Students who develop a program of study with more overlap will be able to select more unrestricted electives to meet the number of total units beyond the GIRs required for an SB degree.
Restricted Electives: Humanities Component (by area of study)

African and African Diaspora Studies
Select seven elective subjects that follow the general structure of the Minor 1

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>21.THT</td>
<td>Humanities Pre-thesis Tutorial</td>
<td>6</td>
</tr>
<tr>
<td>21.THU</td>
<td>Undergraduate Thesis in Humanities</td>
<td>12</td>
</tr>
</tbody>
</table>

Total Units: 81-102

1 See the minor in African and African Diaspora Studies (http://catalog.mit.edu/interdisciplinary/undergraduate-programs/minors/minor-african-studies) for a list of available subjects and a description of the structure of the program.

American Studies
Select seven elective subjects that follow the structure of the Minor 1

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</tr>
<tr>
<td>21.THU</td>
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<td>12</td>
</tr>
</tbody>
</table>

Total Units: 81-102

1 See the minor in American Studies (http://catalog.mit.edu/interdisciplinary/undergraduate-programs/minors/minor-american-studies) for a list of available subjects and a description of the structure of the program.

With the consent of the faculty advisor, a student may substitute two subjects for 21.THT and 21.THU.

Ancient and Medieval Studies
Select seven elective subjects that follow the general structure of the Minor 1

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>21.THT</td>
<td>Humanities Pre-thesis Tutorial</td>
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</tr>
<tr>
<td>21.THU</td>
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<td>12</td>
</tr>
</tbody>
</table>

Total Units: 81-102

1 See the minor in Ancient and Medieval Studies (http://catalog.mit.edu/interdisciplinary/undergraduate-programs/minors/minor-ancient-medieval-studies) for a list of available subjects and a description of the structure of the program.

Anthropology
Select two of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>21A.00</td>
<td>Introduction to Anthropology: Comparing Human Cultures</td>
</tr>
<tr>
<td>21A.01</td>
<td>How Culture Works</td>
</tr>
<tr>
<td>21A.157</td>
<td>The Meaning of Life</td>
</tr>
</tbody>
</table>

Select one of the following CI-Ms:

<table>
<thead>
<tr>
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<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>21A.155</td>
<td>Food, Culture, and Politics (CI-M)</td>
</tr>
<tr>
<td>21A.802</td>
<td>Seminar in Ethnography and Fieldwork (CI-M)</td>
</tr>
</tbody>
</table>

Select six elective subjects in consultation with the major advisor.  1

Total Units: 69-72

1 A pre-thesis tutorial (CMS.THT) and thesis (CMS.THU), totaling 18 units of credit, may be substituted for one CMS elective.

Asian and Asian Diaspora Studies
Select seven elective subjects that follow the general structure of the Minor 1

<table>
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<td>21.THU</td>
<td>Undergraduate Thesis in Humanities</td>
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</tbody>
</table>

Total Units: 81-102

1 See the minor in Asian and Asian Diaspora Studies (http://catalog.mit.edu/interdisciplinary/undergraduate-programs/minors/minor-asian-studies) for a list of available subjects and a description of the structure of the program.

Comparative Media Studies

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>CMS.100</td>
<td>Introduction to Media Studies</td>
<td>12</td>
</tr>
<tr>
<td>CMS.701</td>
<td>Current Debates in Media</td>
<td>12</td>
</tr>
</tbody>
</table>

Select one of the following Practice and Production subjects:

<table>
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<tr>
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<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMS.335[J]</td>
<td>Short Attention Span Documentary</td>
</tr>
<tr>
<td>CMS.362</td>
<td>Civic Media Collaborative Design Studio</td>
</tr>
<tr>
<td>CMS.590[J]</td>
<td>Design and Development of Games for Learning</td>
</tr>
<tr>
<td>CMS.609[J]</td>
<td>The Word Made Digital</td>
</tr>
<tr>
<td>CMS.633</td>
<td>Digital Humanities: Topics, Techniques, and Technologies</td>
</tr>
<tr>
<td>CMS.634</td>
<td>Designing Interactions</td>
</tr>
<tr>
<td>21W.752</td>
<td>Making Documentary: Audio, Video, and More</td>
</tr>
</tbody>
</table>

Select five CMS electives 1

Total Units: 45-60

Global Studies and Languages (in French, German, or Spanish)
Select nine elective subjects, which may include a pre-thesis tutorial and thesis (21G.THT and 21G.THU), subject to faculty approval

Total Units: 81-108
### Humanities and Engineering (Course 21E)

#### History

Select five elective subjects \(^1\)  
Select one 21H seminar subject (excluding 21H.390) \(^2\)  
21H.390 Theories and Methods in the Study of History  
21H.THT History Pre-Thesis Tutorial  
21H.THU History Thesis  
**Total Units** 99-108  
\(^2\) The five 21H subjects must include one pre-modern subject (before 1700).  
\(^2\) Select from among 21H subjects for which the first digit after the decimal point is 3. See the History website (http://history.mit.edu/subjects) for additional information.

#### Latin American and Latino/a Studies

17.55[J] Introduction to Latin American Studies  
Select six elective subjects, including study in at least two disciplines and subjects in either Spanish or Portuguese  
21.THT Humanities Pre-Thesis Tutorial  
21.THU Undergraduate Thesis in Humanities  
**Total Units** 84-102

#### Literature

Select eight elective subjects, including two seminars and subjects in three historical periods or thematic complexes  
**Total Units** 96

#### Music

21M.301 Harmony and Counterpoint I  
21M.500 Advanced Seminar in Music  
Select two terms of performance subjects (6 units each)  
**Total of the following:** 12  
21M.220 Medieval and Renaissance Music  
21M.235 Baroque and Classical Music  
21M.250 Nineteenth-Century Music  
21M.260 Music since 1900  
21M.271 Symphony and Concerto  
21M.273 Opera  
**Select one of the following:** 12  
21M.291 Music of India  
21M.292 Musics in Bali  
21M.293 Music of Africa  
21M.294 Popular Musics of the World  
21M.299 Studies in Global Musics  
**Total Units** 96

#### Restricted Electives

A coherent program of four subjects from the music curriculum chosen in consultation with faculty advisor(s)  
**Total Units** 36

#### Russian and Eurasian Studies

Select seven elective subjects, two of which must satisfy the language requirement \(^1\)  
21.THT Humanities Pre-Thesis Tutorial  
21.THU Undergraduate Thesis in Humanities  
**Total Units** 81-102  
\(^1\) See the minor in Russian Studies (http://catalog.mit.edu/interdisciplinary/undergraduate-programs/minors/russian-eurasian-studies) for a list of available subjects and a description of the structure of the program.

#### Science, Technology, and Society (STS)

Select six elective subjects \(^1\)  
STS.004 Intersections: Science, Technology, and the World  
STS.THT Undergraduate Thesis Tutorial  
STS.THU Undergraduate Thesis  
**Total Units** 84-102  
\(^1\) Must include at least one Tier I subject (http://sts-program.mit.edu/academics/undergraduate/tier-i-subjects) in addition to STS.004 and one Tier II subject (http://sts-program.mit.edu/academics/undergraduate/tier-ii-subjects).

#### Theater Arts

Select 12 units of the following:  
21M.600 Introduction to Acting  
21M.603 Fundamentals of Theater Design  
21M.604[J] Playwriting Fundamentals  
21M.623 Physical Improvisation: Bodies in Motion  
21M.710 Script Analysis  
21M.840 Performance Media  
Select eight elective subjects in consultation with the major advisor. \(^1\)  
**Total Units** 78-96  
\(^1\) See the Theater Arts subject listing (http://catalog.mit.edu/schools/humanities-arts-social-sciences/music-theater-arts/#subjectstext) for a list of available subjects. Qualified students may, with departmental approval, substitute a thesis (21M.ThU) for one of these 12-unit electives.
Women's and Gender Studies

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>WGS.101</td>
<td>Introduction to Women's and Gender Studies</td>
<td>12</td>
</tr>
<tr>
<td>WGS.301</td>
<td>Feminist Thought</td>
<td>12</td>
</tr>
<tr>
<td>21.THT</td>
<td>Humanities Pre-Thesis Tutorial</td>
<td>6</td>
</tr>
<tr>
<td>21.THU</td>
<td>Undergraduate Thesis in Humanities</td>
<td>12</td>
</tr>
</tbody>
</table>

Total Units: 102

With the permission of the director of the program, students may substitute two 12-unit subjects for 21.THT and 21.THU.

Writing

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>21W.THT</td>
<td>Writing Pre-Thesis Tutorial</td>
<td>6</td>
</tr>
<tr>
<td>21W.THU</td>
<td>Writing Program Thesis</td>
<td>12</td>
</tr>
</tbody>
</table>

Total Units: 102

One of these subjects is normally at the introductory level; one may be selected from a related field.