HUMANITIES AND ENGINEERING (COURSE 21E)

Department of Humanities (http://catalog.mit.edu/schools/humanities-arts-social-sciences/humanities/#undergraduatetext)

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.

<table>
<thead>
<tr>
<th>Summary of Subject Requirements</th>
<th>Subjects</th>
</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>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.

Departmental Program

Choose at least two subjects in the major that are designated as communication-intensive (CI-M) to fulfill the Communication Requirement.

<table>
<thead>
<tr>
<th>Restricted Electives</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>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):</td>
<td></td>
</tr>
<tr>
<td>African and African Diaspora Studies ¹</td>
<td></td>
</tr>
<tr>
<td>American Studies ¹</td>
<td></td>
</tr>
<tr>
<td>Ancient and Medieval Studies ¹</td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td></td>
</tr>
<tr>
<td>Asian and Asian Diaspora Studies ¹</td>
<td></td>
</tr>
<tr>
<td>Comparative Media Studies</td>
<td></td>
</tr>
<tr>
<td>Global Studies and Languages (in French, German, or Spanish)</td>
<td></td>
</tr>
<tr>
<td>History</td>
<td></td>
</tr>
<tr>
<td>Latin American and Latino/a Studies ¹</td>
<td></td>
</tr>
<tr>
<td>Literature</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td></td>
</tr>
<tr>
<td>Russian and Eurasian Studies ¹</td>
<td></td>
</tr>
<tr>
<td>Science, Technology, and Society (STS)</td>
<td></td>
</tr>
<tr>
<td>Theater Arts</td>
<td></td>
</tr>
<tr>
<td>Women's and Gender Studies ¹</td>
<td></td>
</tr>
<tr>
<td>Writing</td>
<td></td>
</tr>
<tr>
<td>For the engineering component, select six elective subjects restricted to one of the engineering curricula and approved by a faculty member in the field.</td>
<td></td>
</tr>
<tr>
<td>Units in Major</td>
<td>135-186</td>
</tr>
<tr>
<td>Unrestricted Electives ²</td>
<td>48-117</td>
</tr>
<tr>
<td>Units in Major That Also Satisfy the GIRs</td>
<td>(36-72)</td>
</tr>
<tr>
<td>Total Units Beyond the GIRs Required for SB Degree</td>
<td>180</td>
</tr>
</tbody>
</table>

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 \(^1\)
- 21.THT Humanities Pre-Thesis Tutorial  \(6\)
- 21.THU Undergraduate Thesis in Humanities  \(12\)

Total Units  \(81-102\)

\(^2\) 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 \(^1\)
- 21.THT Humanities Pre-Thesis Tutorial \(^2\)  \(6\)
- 21.THU Undergraduate Thesis in Humanities  \(12\)

Total Units  \(81-102\)

\(^2\) 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.

\(^2\) 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 \(^1\)
- 21.THT Humanities Pre-Thesis Tutorial  \(6\)
- 21.THU Undergraduate Thesis in Humanities  \(12\)

Total Units  \(81-102\)

\(^2\) 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:
- 21A.00 Introduction to Anthropology: Comparing Human Cultures
- 21A.01 How Culture Works
- 21A.157 The Meaning of Life

Select one of the following CI-Ms:
- 21A.155 Food, Culture, and Politics (CI-M)
- 21A.802 Seminar in Ethnography and Fieldwork (CI-M)

Select six elective subjects in consultation with the major advisor. \(^1\)

Total Units  \(69-72\)

**Asian and Asian Diaspora Studies**
Select seven elective subjects that follow the general structure of the Minor \(^1\)
- 21.THT Humanities Pre-Thesis Tutorial  \(6\)
- 21.THU Undergraduate Thesis in Humanities  \(12\)

Total Units  \(81-102\)

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

**Comparative Media Studies**
- CMS.100 Introduction to Media Studies  \(12\)
- CMS.362 Civic Media Collaborative Design Studio  \(12\)

Select one of the following Practice and Production subjects:
- CMS.335 Short Attention Span Documentary  \(12\)
- CMS.590 Design and Development of Games for Learning  \(12\)
- CMS.609 The Word Made Digital  \(12\)
- CMS.633 Digital Humanities: Topics, Techniques, and Technologies  \(12\)
- CMS.634 Designing Interactions  \(12\)
- 21W.752 Making Documentary: Audio, Video, and More  \(12\)

Select five CMS electives \(^1\)

Total Units  \(81-96\)

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

**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  \(81-108\)
### History
Select five elective subjects

Select one 21H seminar subject (excluding 21H.390)

21H.390 Theories and Methods in the Study of History

21H.THT History Pre-Thesis Tutorial

21H.THU History Thesis

Total Units

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1. 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

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### Literature

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

Total Units

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### Music

21M.301 Harmony and Counterpoint I

21M.500 Advanced Seminar in Music

Select two terms of performance subjects (6 units each)

Select one of the following:

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:

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

### 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.

Total Units

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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).

### Restricted Electives

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

Total Units

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### Russian and Eurasian Studies

Select seven elective subjects, two of which must satisfy the language requirement

21.THT Humanities Pre-Thesis Tutorial

21.THU Undergraduate Thesis in Humanities

Total Units

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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

21.THT Undergraduate Thesis Tutorial

21.THU Undergraduate Thesis

Total Units

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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).

### Total Units

- **History:** 99-108
- **Latin American and Latino/a Studies:** 84-102
- **Literature:** 96
- **Music:** 96
- **Theater Arts:** 90-108
- **Russian and Eurasian Studies:** 81-102
- **Science, Technology, and Society (STS):** 84-102
- **Total Units:** 54-108

See the Theater Arts subject listing (http://catalog.mit.edu/schools/humanities-arts-social-sciences/music-theater-arts/#subjecttext) 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[J]</td>
<td>Feminist Thought</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Select five elective subjects</td>
<td>60</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**

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2. 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></td>
<td>Select seven subjects in Writing</td>
<td>84</td>
</tr>
<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**

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