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.

Students must designate two CI-M subjects by petitioning the Subcommittee on the Communication Requirement (http://web.mit.edu/commreq/cim/course21e21s.html). 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) Requirement</td>
<td>8</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): American Studies</td>
<td>81-114</td>
</tr>
<tr>
<td>Ancient and Medieval Studies</td>
<td>81-114</td>
</tr>
</tbody>
</table>

**Restricted Electives: Humanities Component (by area of study)**

**American Studies**

Select seven elective subjects, including two in history and two in literature.

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

Total Units 81-102

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  
21.THT Humanities Pre-Thesis Tutorial 6  
21.THU Undergraduate Thesis in Humanities 12  
Total Units 81-102

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

Anthropology
21A.00 Introduction to Anthropology: Comparing Human Cultures 12  
or 21A.01 How Culture Works
Select eight elective subjects  
Total Units 102-108

An honors thesis may be done at the invitation and approval of faculty.

Asian and Asian Diaspora Studies
Select seven elective subjects that follow the general structure of the Minor  
21.THT Humanities Pre-Thesis Tutorial 6  
21.THU Undergraduate Thesis in Humanities 12  
Total Units 81-102

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.701 Current Debates in Media 12  
Select one of the following Practice and Production Subjects:  
CMS.335J Short Attention Span Documentary  
CMS.362 Civic Media Collaborative Design Studio  
CMS.590J Design and Development of Games for Learning  
CMS.609J The Word Made Digital  
CMS.622 Applying Media Technologies in the Arts and Humanities  
CMS.633 Digital Humanities: Topics, Techniques, and Technologies  
CMS.634 Designing Interactions  
CMS.752 Making Documentary: Audio, Video, and More  
Select five CMS electives  
Total Units 81-96

2 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 seven elective subjects  
21H.THT History Pre-Thesis Tutorial 6  
21H.THU History Thesis 12  
Total Units 81-102

Latin American and Latino/a Studies
17.55J Introduction to Latin American Studies 12  
Select six elective subjects, including study in at least two disciplines and subjects in either Spanish or Portuguese  
21.THT Humanities Pre-Thesis Tutorial 6  
21.THU Undergraduate Thesis in Humanities 12  
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 12  
Select two terms of performance subjects (6 units each)  
Select one of the following:  
21M.220 Medieval and Renaissance Music  
21M.235 Monteverdi to Mozart: 1600-1800  
21M.260 Stravinsky to the Present  
Select one of the following:  
21M.291 Music of India  
21M.292 Music of Indonesia  
21M.293 Music of Africa  
21M.294 Popular Musics of the World
**Restricted Electives**

A coherent program of four subjects from the music curriculum chosen in consultation with faculty advisor(s)  
1. Total Units: 48

**Russian and Eurasian Studies**

Select seven elective subjects, two of which must satisfy the language requirement  
1. 21.THT: Humanities Pre-Thesis Tutorial  
2. 21.THU: Undergraduate Thesis in Humanities  
3. Total Units: 63-84

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

Select seven elective subjects  
1. STS.004: Intersections: Science, Technology, and the World  
2. STS.THT: Undergraduate Thesis Tutorial  
3. STS.THU: Undergraduate Thesis  
4. Total Units: 93-114

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

**Theater Arts**

Select six elective subjects  
1. 21M.710: Script Analysis  
2. Select 12 units of the following:  
   - 21M.803: Performance and Design Workshop  
   - 21M.806: Applied Performance and Design Production  
   - 21M.809: Performance and Design Intensive  
   - 21M.851: Independent Study in Performance and Design  
   - 21M.THT: Pre-Thesis Tutorial  
   - 21M.THU: Undergraduate Thesis  
3. Total Units: 96-114

**Women’s and Gender Studies**

WGS.101: Introduction to Women’s and Gender Studies  
1. WGS.301[J]: Feminist Thought  
2. Select five elective subjects  
3. 21.THT: Humanities Pre-Thesis Tutorial  
4. 21.THU: Undergraduate Thesis in Humanities  
5. Total Units: 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).

**Writing: Creative**

Select seven subjects centered in creative or expository writing  
1. 21W.THT: Writing and Humanistic Studies Pre-Thesis Tutorial  
2. 21W.THU: Writing and Humanistic Studies Thesis  
3. Total Units: 84

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

**Writing: Digital Media**

1. 21W.764[J]: The Word Made Digital  
2. 21W.765[J]: Interactive Narrative  
3. 21W.785: Communicating with Web-Based Media  
4. Select a CI-M subject in writing  
5. Select three related subjects from another department  
6. 21W.THT: Writing and Humanistic Studies Pre-Thesis Tutorial  
7. 21W.THU: Writing and Humanistic Studies Thesis  
8. Total Units: 93-102

**Writing: Science Writing**

1. Select a subject in basic exposition  
2. Select a subject in digital media  
3. Select a subject in science, technology, and society  
4. Select an elective writing subject  
5. 21W.777: Science Writing in Contemporary Society  
6. 21W.778: Science Journalism  
7. 21W.792: Science Writing Internship  
8. 21W.THT: Writing and Humanistic Studies Pre-Thesis Tutorial  
9. 21W.THU: Writing and Humanistic Studies Thesis  
10. Total Units: 99-102

Select from the 21W subjects for which the first digit after the decimal is 0.