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.

Students must designate two CI-M subjects by petitioning the Subcommittee on the Communication Requirement (https://registrar.mit.edu/sites/default/files/2018-05/ci-m_designation_form_21e_21s.pdf). 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>
<th>Science Requirement</th>
<th>Humanities, Arts, and Social Sciences (HASS)</th>
<th>Restricted Electives in Science and Technology (REST) Requirement</th>
<th>Laboratory Requirement (12 units)</th>
<th>Total GIR Subjects Required for SB Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6</td>
<td>8</td>
<td>2</td>
<td>1</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.

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):

- American Studies ¹
- Ancient and Medieval Studies ¹
- Anthropology
- Asian and Asian Diaspora Studies ¹
- Comparative Media Studies
- Global Studies and Languages (in French, German, or Spanish)
- History
- Latin American and Latino/a Studies ¹
- Literature
- Music
- Russian and Eurasian Studies ¹
- Science, Technology, and Society (STS)
- Theater Arts
- Women’s and Gender Studies ¹
- Writing: Creative
- Writing: Digital Media
- Writing: Science Writing

For the engineering component, select six elective subjects restricted to one of the engineering curricula and approved by a faculty member in the field.

<table>
<thead>
<tr>
<th>Units in Major</th>
<th>135-186</th>
</tr>
</thead>
<tbody>
<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 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)

American Studies

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

- 21.THT Humanities Pre-Thesis Tutorial ¹ | 6
HUMANITIES AND ENGINEERING (COURSE 21E)

21.THU  Undergraduate Thesis in Humanities  12
Total Units  81-102

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

1 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 1  90-96
Total Units  102-108

2 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 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.701  Current Debates in Media  12
Select one of the following Practice and Production subjects:
CMS.335[J]  Short Attention Span Documentary  12
CMS.362  Civic Media Collaborative Design Studio
CMS.590[J]  Design and Development of Games for Learning
CMS.609[J]  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
21W.752  Making Documentary: Audio, Video, and More
Select five CMS electives 1  45-60
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 1  54-60
Select one 21H seminar subject (excluding 21H.390) 2  9-12
21H.390  Theories and Methods in the Study of History  12
21H.THT  History Pre-Thesis Tutorial  12
21H.THU  History Thesis  12
Total Units  99-108

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  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) 12

Select one of the following: 12
21M.220 Medieval and Renaissance Music
21M.235 Baroque and Classical Music
21M.260 Music since 1900

Select one of the following: 12
21M.291 Music of India
21M.292 Music of Indonesia
21M.293 Music of Africa
21M.294 Popular Musics of the World
21M.299 Studies in World Music

Restricted Electives
A coherent program of four subjects from the music curriculum chosen in consultation with faculty advisor(s) 48

Total Units 96

Russian and Eurasian Studies
Select seven elective subjects, two of which must satisfy the language requirement 63-84
21.THT Humanities Pre-Thesis Tutorial 6
21.THU Undergraduate Thesis in Humanities 12

Total Units 81-102

Science, Technology, and Society (STS)
Select seven elective subjects 1 63-84
STS.004 Intersections: Science, Technology, and the World 12
STS.THT Undergraduate Thesis Tutorial 6

Total Units 93-114

Theater Arts
Select seven elective subjects. Qualified students may, with departmental approval, substitute a thesis (21M.THU) for one of these 12-unit electives. 66-84
21M.710 Script Analysis 12

Select 12 units of the following: 12
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

Total Units 90-108

Women’s and Gender Studies
WGS.101 Introduction to Women’s and Gender Studies 12
WGS.301 Feminist Thought 12
Select five elective subjects 60
21.THT Humanities Pre-Thesis Tutorial 1 6
21.THU Undergraduate Thesis in Humanities 12

Total Units 102

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

Writing: Creative
Select seven subjects centered in creative or expository writing 1 84
21W.THT Writing and Humanistic Studies Pre-Thesis Tutorial 6
21W.THU Writing and Humanistic Studies Thesis 12

Total Units 102

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

Writing: Digital Media
21W.764 The Word Made Digital 12
21W.765 Interactive Narrative 12
21W.785 Communicating with Web-Based Media 12

Select a CI-M subject in writing 12
Select three related subjects from another department 27-36
21W.THT Writing and Humanistic Studies Pre-Thesis Tutorial 6
21W.THU Writing and Humanistic Studies Thesis 12

Total Units 93-102

Writing: Science Writing
Select a subject in basic exposition 1 12
Select a subject in digital media 12
Select a subject in science, technology, and society 9-12
Select an elective writing subject 12
### Humanities and Engineering (Course 21E)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>21W.777</td>
<td>Science Writing in Contemporary Society</td>
<td>12</td>
</tr>
<tr>
<td>21W.778</td>
<td>Science Journalism</td>
<td>12</td>
</tr>
<tr>
<td>21W.792</td>
<td>Science Writing Internship</td>
<td>12</td>
</tr>
<tr>
<td>21W.THT</td>
<td>Writing and Humanistic Studies Pre-Thesis Tutorial</td>
<td>6</td>
</tr>
<tr>
<td>21W.THU</td>
<td>Writing and Humanistic Studies Thesis</td>
<td>12</td>
</tr>
</tbody>
</table>

Total Units 99-102

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