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)

<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>Requirement [between three and 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.]</td>
<td></td>
</tr>
<tr>
<td>Restricted Electives in Science and Technology (REST)</td>
<td>2</td>
</tr>
<tr>
<td>Requirement</td>
<td></td>
</tr>
<tr>
<td>Laboratory Requirement</td>
<td>1</td>
</tr>
<tr>
<td>Total GIR Subjects Required for SB Degree</td>
<td>17</td>
</tr>
</tbody>
</table>

Communication Requirement

2 subjects designated as communication-intensive in Humanities, Arts, and Social Sciences (CI-H; see HASS Requirement, above)

2 subjects designated as communication-intensive in the Major (CI-M; see departmental program, below)

Physical Education Requirement

Swimming requirement, plus four physical education courses for eight points (See Physical Education Requirement for details.)

Departmental Program

<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>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>
</tbody>
</table>

Asian and Asian Diaspora Studies ¹
Comparative Media Studies
Global Studies and Languages (in French, German, or Spanish)
History
Latin American and Latino Studies ¹
Literature
Music
Russian and Eurasian Studies ¹, ²
Science, Technology, and Society (STS)
Theater Arts ¹
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. ³

Unrestricted Electives

Select 48-117 units ⁴

Total Units

216

Departmental Program Units That Also Satisfy the GIRs (36-72)

Total Units Beyond the GIRs Required for SB Degree

180

No subject can be counted both as part of the 17-subject GIRs and as part of the 180–198 units required beyond the GIRs. Every subject in the student’s departmental program will count toward one or the other, but not both.

¹ American Studies, Ancient and Medieval Studies, Asian and Asian Diaspora Studies, Latin American and Latino Studies, Russian and Eurasian Studies, Theater Arts, 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 Russian language subjects beyond level IV are not offered at MIT, but may be taken at Harvard University or Wellesley College through cross-registration.

³ When possible, the subject satisfying the Institute Laboratory Requirement and one of the subjects satisfying the REST Requirement should be selected from this same curriculum, in addition to the regular requirement.

⁴ This chart has been calculated based on an overlap of 36 units (3 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

<table>
<thead>
<tr>
<th>Course</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>
<tr>
<td><strong>Total Units</strong></td>
<td></td>
<td><strong>81-102</strong></td>
</tr>
</tbody>
</table>

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

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<tr>
<th>Course</th>
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<tr>
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<td>12</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
<td></td>
<td><strong>81-102</strong></td>
</tr>
</tbody>
</table>

See the minor in Ancient and Medieval Studies ([http://catalog.mit.edu/interdisciplinary/undergraduate-programs/minors/ancient-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 seven elective subjects: 78-84
- 21A.802 Seminar in Ethnography and Fieldwork: 12
- or 21A.852 Seminar in Anthropological Theory

| **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

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<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>
<tr>
<td><strong>Total Units</strong></td>
<td></td>
<td><strong>81-102</strong></td>
</tr>
</tbody>
</table>

See the minor in Asian and Asian Diaspora Studies ([http://catalog.mit.edu/interdisciplinary/undergraduate-programs/minors/asian-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

- 21L.011 The Film Experience: 12

| **Total Units** | 81-102 |

### 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>21H.THT</td>
<td>History Pre-Thesis Tutorial</td>
<td>6</td>
</tr>
<tr>
<td>21H.THU</td>
<td>History Thesis</td>
<td>12</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
<td></td>
<td><strong>81-102</strong></td>
</tr>
</tbody>
</table>

### Latin American and Latino Studies

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>17.55[J]</td>
<td>Introduction to Latin American Studies</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>
<tr>
<td><strong>Total Units</strong></td>
<td></td>
<td><strong>84-102</strong></td>
</tr>
</tbody>
</table>

### 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
- 21M.302 Harmony and Counterpoint II: 12
- 21M.500 Advanced Seminar in Music: 12

Select one of the following:

| **Total Units** | 12 |

Or CMS.100 Introduction to Media Studies

Select one of the following mid-tier subjects:

- CMS.400 Media Systems and Texts
- CMS.403[J] Media and Methods: Performing
- CMS.405 Media and Methods: Seeing and Expression
- CMS.407 Media and Methods: Sound

Select one capstone subject:

- 21L.706 Studies in Film
- CMS.701 Current Debates in Media

Select five CMS electives: 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.

2 With the consent of the faculty advisor, a student may substitute two subjects for 21.THT and 21.THU.
21M.220 Medieval and Renaissance Music
21M.235 Monteverdi to Mozart: 1600-1800
21M.250 Beethoven to Mahler: 1800-1910
21M.260 Stravinsky to the Present

Select two terms of performance subjects  
Select two electives in two different categories  
(usually theory/composition and history/literature)
Select an elective in any category (theory/composition, history/literature, or two terms of performance)

Total Units 96

Russian and Eurasian Studies
Select seven elective subjects, two of which must satisfy the language requirement  

21.THT Humanities Pre-Thesis Tutorial 6  
21.THU Undergraduate Thesis in Humanities 12

Total Units 81-102

2 Russian language subjects beyond Level IV are not offered at MIT, but may be taken at Harvard University or Wellesley College through cross-registration.

Science, Technology, and Society (STS)
Select seven elective subjects  

STS.091 Critical Issues in STS 12  
STS.THT Undergraduate Thesis Tutorial 6  
STS.THU Undergraduate Thesis 12

Total Units 93-114

2 Must include at least one Tier I subject (http://web.mit.edu/sts/academic/tier1.html) and one Tier II subject (http://web.mit.edu/sts/academic/tier2.html).

Theater Arts
Select five elective subjects  

21M.606 Introduction to Stagecraft 9  
21M.710 Script Analysis 12  
21M.805 Performance and Design Practicum 6  
21M.815 Studio Performance and Design Practicum 6  
or 21M.851 Independent Study in Performance and Design  
21M.THT Pre-Thesis Tutorial 6  
21M.THU Undergraduate Thesis 12

Total Units 96-111

Women’s and Gender Studies
WGS.101 Introduction to Women’s and Gender Studies 12

Select six elective subjects  

21.THT Humanities Pre-Thesis Tutorial 1  
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  

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.765[J] 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  
Select a subject in digital media  
Select a subject in science, technology, and society 9-12  
Select an elective writing subject  

21W.777 Science Writing in Contemporary Society 12

21W.778 Science Journalism 12  
21W.792 Science Writing Internship 12

21W.THT Writing and Humanistic Studies Pre-Thesis Tutorial 6  
21W.THU Writing and Humanistic Studies Thesis 12

Total Units 99-102

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