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.

Summary of Subject Requirements

<table>
<thead>
<tr>
<th>Subjects</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 [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.]; at least two of these subjects must be designated as communication-intensive (CI-H) to fulfill the Communication Requirement. Restricted Electives in Science and Technology (REST) Requirement</td>
<td>8</td>
</tr>
<tr>
<td>Laboratory Requirement (12 units)</td>
<td>2</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.

For the humanities component, choose at least two subjects in the major that are designated as communication-intensive (CI-M) to fulfill the Communication Requirement.

Restricted Electives

<table>
<thead>
<tr>
<th>Units</th>
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<tbody>
<tr>
<td>81-114</td>
</tr>
<tr>
<td>54-72</td>
</tr>
<tr>
<td>180</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>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>63-84</td>
</tr>
</tbody>
</table>

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: 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.

Units in Major | 135-186 |
Units in Major That Also Satisfy the GIRs | 48-117 |
Total Units Beyond the GIRs Required for SB Degree | (36-72) |

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.

With the consent of the faculty advisor, a student may substitute two subjects for 21.THT and 21.THU.
HUMANITIES AND ENGINEERING (COURSE 21E)

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

21THT Humanities Pre-Thesis Tutorial 6
21THU 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 ³ 90-96

Total Units 102-108

³ 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

21THT Humanities Pre-Thesis Tutorial 6
21THU 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
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 seven elective subjects 63-84
21H.THT History Pre-Thesis Tutorial 6
21H.THU History Thesis 12

Total Units 81-102

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

21THT Humanities Pre-Thesis Tutorial 6
21THU 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: ¹ 12
21M.220 Medieval and Renaissance Music
21M.235 Monteverdi to Mozart: 1600-1800
21M.260 Stravinsky to the Present

Select one of the following: ¹ 12
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)  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  63-84
STS.004 Intersections: Science, Technology, and the World  12
STS.THT Undergraduate Thesis Tutorial  6
STS.THU Undergraduate Thesis  12
Total Units  93-114

Note: 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 six elective subjects  54-72
21M.710 Script Analysis  12
Select 12 units of the following:  12
21M.803 Performance and Design Workshop  12
21M.806 Applied Performance and Design Production  12
21M.809 Performance and Design Intensive  12
21M.851 Independent Study in Performance and Design  12
21M.THT Pre-Thesis Tutorial  6
21M.THU Undergraduate Thesis  12
Total Units  96-114

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  6
21.THU Undergraduate Thesis in Humanities  12
Total Units  102

Writing: Creative
Select seven subjects centered in creative or expository writing  84
21W.THT Writing and Humanistic Studies Pre-Thesis Tutorial  6
21W.THU Writing and Humanistic Studies Thesis  12
Total Units  102

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

Writing: Digital Media
21W.764(I) The Word Made Digital  12
21W.765(I) 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  12
Select a subject in digital media  12
Select a subject in science, technology, and society  9-12
Select an elective writing subject  12
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

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