HUMANITIES AND ENGINEERING (COURSE 21E)

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

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.

Summary of Subject Requirements

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Units</th>
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<tbody>
<tr>
<td>Science Requirement</td>
<td>6</td>
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<tr>
<td>Humanities, Arts, and Social Sciences (HASS)</td>
<td>8</td>
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</table>

Restricted Electives in Science and Technology (REST) Requirement

Laboratory Requirement (12 units) 1

Total GIR Subjects Required for SB Degree 17

Physical Education Requirement

Swimming requirement, plus four physical education courses for eight points.

Restrictive 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

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

Unrestricted Electives

Units in Major That Also Satisfy the GIRs (36-72)

Total Units Beyond the GIRs Required for SB Degree 180

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 6
- 21.THU Undergraduate Thesis in Humanities 12

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:

1. CMS.335[J] Short Attention Span Documentary
2. CMS.362 Civic Media Collaborative Design Studio
3. CMS.590[J] Design and Development of Games for Learning
4. CMS.609[J] The Word Made Digital
5. CMS.633 Digital Humanities: Topics, Techniques, and Technologies
6. CMS.634 Designing Interactions
7. 21W.752 Making Documentary: Audio, Video, and More

Select five CMS electives

Total Units 81-102

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 12
- 21H.THT History Pre-Thesis Tutorial 12
- 21H.THU History Thesis 12

Total Units 99-108

The five 21H subjects must include one pre-modern subject (before 1700).

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

See the minor in Latin American and Latino/a Studies (http://catalog.mit.edu/interdisciplinary/undergraduate-programs/minors/latino-studies) for additional information.
### 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
- **21M.200** Medieval and Renaissance Music
- **21M.235** Baroque and Classical Music
- **21M.260** Music since 1900
- **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)

| Total Units | 48 |

### 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 |

### Science, Technology, and Society (STS)
Select six elective subjects

| STS.004 | Intersections: Science, Technology, and the World | 12 |
| STS.THT | Undergraduate Thesis Tutorial | 6 |
| STS.THU | Undergraduate Thesis | 12 |

| Total Units | 84-102 |

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### Theater Arts
Select seven elective subjects. Qualified students may, with departmental approval, substitute a thesis (21M.ThU) for one of these 12-unit electives.

| 21M.710 | Script Analysis | 12 |
| 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 |

| Total Units | 90-108 |

### Women’s and Gender Studies

| WGS.101 | Introduction to Women’s and Gender Studies | 12 |
| WGS.301[J] | 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 |

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### Writing
Select seven subjects in Writing

| 21W.THT | Writing Pre-Thesis Tutorial | 6 |
| 21W.THU | Writing Program Thesis | 12 |

| Total Units | 102 |

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2. 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).