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 [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.</td>
<td>8</td>
</tr>
<tr>
<td>Restricted Electives in Science and Technology (REST) Requirement</td>
<td>2</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 1 Ancient and Medieval Studies 1</td>
<td>81-114</td>
</tr>
<tr>
<td>Anthropology</td>
<td>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 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. 2 Units in Major</td>
</tr>
<tr>
<td>Unrestricted Electives 3</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 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 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.

3 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 63-84

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

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 1

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 seven elective subjects 1 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 1

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

21L.011 The Film Experience 12

or CMS.100 Introduction to Media Studies

Select one of the following mid-tier subjects: 12

CMS.400 Media Systems and Texts

CMS.403 Media and Methods: Performing

CMS.405 Media and Methods: Seeing and Expression

CMS.407 Media and Methods: Sound

Select one capstone subject: 12

21L.706 Studies in Film

CMS.701 Current Debates in Media

Select five CMS electives 1 45-60

Total Units 81-96

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 Studies

17.55 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 96

Total Units 96

Music

21M.011 Introduction to Western Music 12

21M.030 Introduction to World Music 12

21M.301 Harmony and Counterpoint I 12

21M.500 Advanced Seminar in Music 12

Select two terms of performance subjects (6 units each) 12

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

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

**Science, Technology, and Society (STS)**
Select seven elective subjects  
STS.091 Critical Issues in STS  
STS.THT Undergraduate Thesis Tutorial  
STS.THU Undergraduate Thesis  
Total Units  

**Theater Arts**
Select five elective subjects  
21M.606 Introduction to Stagecraft  
21M.710 Script Analysis  
21M.805 Performance and Design Practicum  
21M.815 Production Practicum  
or 21M.851 Independent Study in Performance and Design  
21M.THT Pre-Thesis Tutorial  
21M.THU Undergraduate Thesis  
Total Units  

**Women's and Gender Studies**
WGS.101 Introduction to Women's and Gender Studies  
WGS.301[F] Feminist Thought  
Select five elective subjects  
21.THT Humanities Pre-Thesis Tutorial  
21.THU Undergraduate Thesis in Humanities  
Total Units  

**Writing: Creative**
Select seven subjects centered in creative or expository writing  

**Writing: Digital Media**
21W.764[F] The Word Made Digital  
21W.765[F] Interactive Narrative  
21W.785 Communicating with Web-Based Media  
Select a CI-M subject in writing  
Select three related subjects from another department  
21W.THT Writing and Humanistic Studies Pre-Thesis Tutorial  
21W.THU Writing and Humanistic Studies Thesis  
Total Units  

**Writing: Science Writing**
Select a subject in basic exposition  
Select a subject in digital media  
Select a subject in science, technology, and society  
Select an elective writing subject  
21W.777 Science Writing in Contemporary Society  
21W.778 Science Journalism  
21W.792 Science Writing Internship  
21W.THT Writing and Humanistic Studies Pre-Thesis Tutorial  
21W.THU Writing and Humanistic Studies Thesis  
Total Units  

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

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).

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