ARCHAEOLOGY AND MATERIALS (COURSE 3-C)

Department of Materials Science and Engineering (*https://catalog.mit.edu/schools/engineering/materials-science-engineering/#undergraduatetext*)

Bachelor of Science in Archaeology and Materials as Recommended by the Department of Materials Science and Engineering

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	Subjects
Science Requirement	6
Humanities, Arts, and Social Sciences (HASS) Requirement [can be satisfied by three subjects from the Departmental Program.]; at least two of these subjects must be designated as communication-intensive (CI-H) to fulfill the Communication Requirement.	8
Restricted Electives in Science and Technology (REST) Requirement [can be satisfied by 18.03 or 18.06 or 18.C06[J] and 3.020 in the Departmental Program]	2
Laboratory Requirement (12 units) [can be satisfied by 3.010 in the Departmental Program]	1
Total GIR Subjects Required for SB Degree	**17**

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.

Required Subjects		Units
3.010	Structure of Materials (partial CI-M)	12
3.020	Thermodynamics of Materials (partial CI-M)	12
3.029	Mathematics and Computational Thinking for Materials Scientists and Engineers I	12
3.030	Microstructural Evolution in Materials	12
3.013	Mechanics of Materials	12
or 3.044	Materials Processing	
3.985[J]	Archaeological Science	9
3.986[J]	The Human Past: Introduction to Archaeology	12
3.987	Human Evolution: Data from Palaeontology, Archaeology, and Materials Science	12
3.990	Seminar in Archaeological Method and Theory (CI-M)	9
6.100A	Introduction to Computer Science Programming in Python	6
or 6.100L	Introduction to Computer Science and Programming	
12.001	Introduction to Geology	12
18.03	Differential Equations	12
or 18.06	Linear Algebra	
or 18.C06[J]	Linear Algebra and Optimization	
21A.00	Introduction to Anthropology: Comparing Human Cultures	12
3.THU	Undergraduate Thesis	12
Restricted Electives [2]		
3.983	Ancient Mesoamerican Civilization	9-12
or 3.988	Maya City Building: Materials, Technology, and Ecology in an Ancient Society	
Select one of the following:		12
3.07	Introduction to Ceramics	
3.094[J]	Materials in Human Experience	
3.098	Ancient Engineering: Ceramic Technologies	
3.14	Modern Physical Metallurgy	
3.19	Sustainable Chemical Metallurgy	
12.108	Earth Materials: Minerals and Rocks	
Units in Major		**177-180**
Unrestricted Electives [3]		**66**
Units in Major That Also Satisfy the GIRs		(60)
Total Units Beyond the GIRs Required for SB Degree		**183-186**

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 *18.032 Differential Equations, CC.1803 Differential Equations, and ES.1803 Differential Equations are also acceptable options.*

2 *Substitution of similar subjects may be permitted by petition.*

3 *This chart has been calculated based on an overlap of 24 units (two subjects) between the HASS General Institute Requirement and the departmental requirements. Students who develop a program of study with more or less overlap will need to select more or fewer unrestricted electives to meet the number of total units beyond the GIRs required for an SB degree.*