ARCHAEOLOGY AND MATERIALS (COURSE 3-C)

Department of Materials Science and Engineering (*http://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 3.985[J], 3.986, 3.987, and 21A.00; and 3.982 or 3.983 in 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 3.012 and 12.001 in the Departmental Program]	2
Laboratory Requirement (12 units) [can be satisfied by 3.014 or 12.119 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
3.012	Fundamentals of Materials Science and Engineering	15
3.014	Materials Laboratory (CI-M)	12
3.016	Computational Methods for Materials Scientists and Engineers [1]	12
or 18.03	Differential Equations	
3.022	Microstructural Evolution in Materials	12
3.032	Mechanical Behavior of Materials	12
or 3.044	Materials Processing	
3.985[J]	Archaeological Science	9
3.986	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
3.THU	Undergraduate Thesis [2]	9
12.001	Introduction to Geology	12
12.119	Analytical Techniques for Studying Environmental and Geologic Samples	12
21A.00	Introduction to Anthropology: Comparing Human Cultures	12
Select one of the following:		12
1.00	Engineering Computation and Data Science	
3.021	Introduction to Modeling and Simulation	
6.01	Introduction to EECS via Robotics	
Restricted Electives [3]		
3.982	The Ancient Andean World	9
or 3.983	Ancient Mesoamerican Civilization	
Select one of the following:		12
3.052	Nanomechanics of Materials and Biomaterials	
3.07	Introduction to Ceramics	
3.14	Physical Metallurgy	
Units in Major		183
Unrestricted Electives		69-81
Units in Major That Also Satisfy the GIRs		(81)
Total Units Beyond the GIRs Required for SB Degree		180

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 is also an acceptable option.*

2 *Students may elect up to 9–12 units.*

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