

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 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 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
3.019 Introduction to Symbolic and Mathematical Computing	3
3.020 Thermodynamics of Materials (partial CI-M)	12
3.030 Microstructural Evolution in Materials	12
3.013 Mechanics of Materials	12
or 3.044 Materials Processing	
3.985[1] 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
12.001	Introduction to Geology	12
12.108	Structure of Earth Materials	12
18.03	Differential Equations	12
21A.00	Introduction to Anthropology: Comparing Human Cultures	12
3.THU	Undergraduate Thesis	12
<i>Select one of the following:</i>		9-12

1.00	Engineering Computation and Data Science	
2.086	Numerical Computation for Mechanical Engineers	
3.021	Introduction to Modeling and Simulation	
3.029	Mathematics and Computational Thinking for Materials Scientists and Engineers I	

Restricted Electives ²

3.982	The Ancient Andean World	9
or 3.983	Ancient Mesoamerican Civilization	
<i>Select one of the following:</i>		12
3.052	Nanomechanics of Materials and Biomaterials	
3.07	Introduction to Ceramics	
3.14	Physical Metallurgy	

Units in Major **183-186**

Unrestricted Electives **57-54**

Units in Major That Also Satisfy the GIRs (60)

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

² Substitution of similar subjects may be permitted by petition.