

## 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[[], 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
<b>Total GIR Subjects Required for SB Degree</b>	<b>17</b>

#### 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 <sup>1</sup>	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[[] 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 <sup>2</sup>	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
<i>Select one of the following:</i>	12
1.00 Engineering Computation and Data Science	
3.021 Introduction to Modeling and Simulation	
6.01 Introduction to EECS via Robotics	
<b>Restricted Electives <sup>3</sup></b>	
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	
<b>Units in Major</b>	<b>183</b>
<b>Unrestricted Electives</b>	<b>69-81</b>
Units in Major That Also Satisfy the GIRs	(81)
<b>Total Units Beyond the GIRs Required for SB Degree</b>	<b>180</b>

The units for any subject that counts as one of the 17 GIR subjects cannot also be counted as units required beyond the GIRs.

<sup>1</sup> 18.032 Differential Equations is also an acceptable option.

<sup>2</sup> Students may elect up to 9–12 units.

<sup>3</sup> Substitution of similar subjects may be permitted by petition.