

## MBSE course requirements approved February 2020

**Table 1. Core Courses**

<b>Class</b>	<b>Class Title</b>	<b>Units</b>
MBSE 210*	Structure of Materials	4
MBSE 211*	Materials Properties	4
MBSE 212*	Thermodynamics and Kinetics.	4
MBSE 291	Research Seminar Series	1 (each year of academic residence)
MBSE 294	Responsible Conduct of Research	1
MBSE 295	Graduate Research	At least 8

\* These three courses will provide the core Materials Science curriculum and will provide the basis for an examination which will be given once a year (toward the end of the year).

### Elective Courses

Electives are selected courses from MBSE or other groups in SNS or SOE, and approved by the advisor. One 100-level course may be used to meet the electives requirement as long as at least a minimum (see table below) are earned in 200-series graduate-level courses exclusive of credit given for thesis research and preparation (MBSE 295 and MBSE 292 may not be used for this minimum).

**Table 2. Units requirements by degree**

<b>Degree</b>	<b>200-series graduate-level courses**</b>	<b>Total units requirement***</b>
Masters Plan I	20	24
Masters Plan II (non-thesis)	24	30
PhD	20	24

\*\* May not include MBSE 292, MBSE 295 or any course directly related to research. Is expected to include MBSE 294 and one or two units of MBSE 291.

\*\*\* May include a 100-level course and/or MBSE 292, MBSE 295, etc.