Current undergraduate students may participate in the BS/MS Program offered by the School. Georgia Tech undergraduate students may be admitted into the program after completing a minimum of 30 semester credit hours (and no more than 75 hours) at Georgia Tech and have a GPA of 3.5 or higher at time of application. Both the application fee and the GRE test score are waived. Students need to maintain at least a 3.0 GPA when receiving the B.S. degree in order to be converted into graduate student status and must continue immediately into the M.S. program in order to qualify for the 6 semester-hour “Graduate Course Credit” option, [http://catalog.gatech.edu/academics/undergraduate/credit-tests-scores/undergraduate-students-taking-graduate-courses/](http://catalog.gatech.edu/academics/undergraduate/credit-tests-scores/undergraduate-students-taking-graduate-courses/).

Degree Requirements:

30 course hours required, of which 21 hours must be at 6xxx (9 hours can be at the 4xxx level):

- 6 hours of core courses (MSE 6411 and MSE 6412)
- 12 hours of MSE approved electives (see list below)
- 12 hours of electives

The BS-MS Program allows eligible students to use up to six credit hours of graduate-level MSE courses (or MSE approved courses) for both BS and MS degrees. A maximum of 12 hours graduate level courses can be taken as a BS level student, but only 6 hours can double towards the MS.

No core courses used for graduate credit may be taken on a Pass/Fail basis. However, up to three credit hours of elective course work may be taken Pass/Fail, and applied toward the degree hour requirements.

Approved ‘core’ BS/MS courses:

<table>
<thead>
<tr>
<th>Core Courses</th>
<th>Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSE 6411 (Fall)</td>
<td>3-0-3</td>
<td>THERMODYNAMICS</td>
</tr>
<tr>
<td>MSE 6412 (Fall)</td>
<td>3-0-3</td>
<td>STRUCTURE OF MATERIALS</td>
</tr>
</tbody>
</table>

MSE Approved Elective Courses *(not limited to)*:

- MSE 6010 Functional Materials
- MSE 6105 Diffraction Studies
- MSE 6110 Transmission Electron Microscopy
- MSE 6120 Quantitative Characterization of Microstructures
- MSE 6130 Surface Characterization
- MSE 6403 Kinetics of Phase Transformations
- MSE 6404 Scattering Theory
- MSE 6405 Advanced Nanomaterials
- MSE 6406 Corrosion of Materials
- MSE 6407 Biological Properties
- MSE 6510 Polymers for Electronic and Photonic Applications
- MSE 6600 Advanced Polymer Processing
- MSE 6602 Tensor Anal and Math Tech
- MSE 6750 Preparation & Reactions of Polymers
- MSE 6751 Physical Chemistry of Polymers in Solutions
- MSE 6752 Polymer Characterization
Additional requirements include:

- 3.5 GPA for Admission into the BS/MS program
- Completed at least 30 credit hours (not more than 75) at Tech, as an undergraduate student and apply for admission before completing junior year. Applications from students with more than 75 earned hours are reviewed on a case-by-case basis.
- Apply online at the Graduate Admission website (no application fee): http://www.gradadmiss.gatech.edu/apply-now
- 3.0 GPA at completion of Masters.
- Two of the required courses for M.S. may be used to satisfy free elective credit in the 4th year of study under the B.S. program.
- A permit is required to register for 6000+ level courses. Permits can be obtained by emailing Dr. Renita Washington, renita.washington@mse.gatech.edu.
- Program of Study form due senior year
- Degree petition is due term before graduation, http://www.registrar.gatech.edu/students/deginfo/oag.php