MATERIALS SCIENCE AND ENGINEERING - PROFESSIONAL MASTER OF SCIENCE (MS)

CU Boulder’s Professional Master of Science degree in Materials Science and Engineering provides students with a wide range of knowledge within the broad industry of materials engineering. Students in the professional master’s program complete 30 hours of coursework covering cutting-edge industry topics, such as traditional and emerging materials systems, experimental methods and advanced computational analyses.

For more information, visit the program’s Professional Master’s Degree (http://www.colorado.edu/mse/professional-masters-degree/) webpage.

Bachelor’s–Accelerated Master’s Degree Program

Students may earn this degree as part of the Bachelor’s–Accelerated Master’s (BAM) degree program, which allows currently enrolled CU Boulder undergraduate students the opportunity to earn a bachelor’s and master’s degree in a shorter period of time.

For more information, see the Accelerated Master’s tab for the associated bachelor’s degree(s):

- Biological Engineering - Bachelor of Science (BSCB) (https://catalog.colorado.edu/undergraduate/colleges-schools/engineering-applied-science/programs-study/chemical-biological-engineering/biological-engineering-bachelor-science-bscb/#acceleratedmasterstext)
- Chemical Engineering - Bachelor of Science (BSCHE) (https://catalog.colorado.edu/undergraduate/colleges-schools/engineering-applied-science/programs-study/chemical-biological-engineering/chemical-engineering-bachelor-science-bsche/#acceleratedmasterstext)
- Mechanical Engineering - Bachelor of Science (BSME) (https://catalog.colorado.edu/undergraduate/colleges-schools/engineering-applied-science/programs-study/mechanical-engineering/mechanical-engineering-bachelor-science-bsme/#acceleratedmasterstext)

Requirements

All Professional Master’s students must declare a track by their second semester. Students enrolled in the professional master’s program are not eligible to hold a teaching assistantship or research assistantship appointment. The following course requirements are subject to change; for the most current information, visit the department’s coursework (https://www.colorado.edu/mse/current-students/coursework/) webpage.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSEN 5919</td>
<td>Special Topics in MSE: Mass Transport (Functional Materials Chemistry)</td>
<td>3</td>
</tr>
<tr>
<td>MSEN 5370</td>
<td>Materials Thermodynamics and Kinetics</td>
<td>3</td>
</tr>
</tbody>
</table>