The **Master of Science in Technology Management (TEMG)** program provides graduate level education for highly motivated professionals concerned with the supervision of personnel across the technical spectrum and a wide variety of complex technological systems. Graduates of this program play leadership roles involving technology innovation, development, and deployment of new technologies, and decision-making to improve business performance. Students have the option to choose one of the following three concentrations: Six Sigma, Advanced Manufacturing, and Construction Management.

**Degree Requirements:** 30 credit hours after a B.S. degree

**A. Program Core Courses - 12 hours:** AET 701, AET 702, AET 703, AET 704
   1. AET 701 Technology Management Principles
   2. AET 702 Technology Management Strategies
   3. AET 703 Technology Management Analytics
   4. AET 704 Technology Management Research

**B. Program Elective Courses - 18 hours**

*Students by default have no concentration. They can take any additional graduate level courses (a total of 18 hours) with the approval of her/his advisor. If a student desires to have a concentration, she/he must choose one from the following three concentrations and take their required courses. The name of the concentration will show on the student’s transcript.*

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Required Courses</th>
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<tbody>
<tr>
<td>Six Sigma</td>
<td>1. AET 610 Six Sigma&lt;br&gt;2. AET 705 Design of Experiments&lt;br&gt;3. AET 722 Six Sigma Advanced Topics&lt;br&gt;4. AET 772 Strategic Concepts in Quality</td>
</tr>
<tr>
<td>Advanced Manufacturing</td>
<td>1. AET 674 Automation and Control Systems&lt;br&gt;2. AET 675 Digital and Smart Manufacturing&lt;br&gt;3. AET 710 Advanced Manufacturing&lt;br&gt;4. An elective graduate course related to Advanced Manufacturing</td>
</tr>
</tbody>
</table>

**B.1. Non-thesis Option (Open elective courses)**

Student can take any graduate courses at N.C. A&T, with approval from the advisor.

**B.2 Thesis Option (Must complete a M.S. thesis)**

Student must take AET 791 (1-6 hours) and meet all thesis completion requirements.