**Rubric for Outcome #1 – Technical Merit**

Select the level that provides the closest fit:

<table>
<thead>
<tr>
<th>Evaluation</th>
<th>Technical Merit of the MS Scholarly Paper or MS Thesis</th>
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</table>
| High       | Scholarly Paper or MS Thesis demonstrates student’s ability to:  
  a) Identify a technical problem and discuss its engineering relevance.  
  b) Provide a correct analysis of the problem.  
  c) Understand of how various pieces of the problem relate to each other.  
  d) Identify methods or technologies to solve the problem.  
  e) Understand the implications of solutions. |
| Medium     | Scholarly Paper or MS Thesis demonstrates student’s ability to:  
  a) Identify a technical problem and discuss its engineering relevance only after receiving suggestions from professor(s).  
  b) Provide an analysis of the problem that needs some correction by faculty.  
  c) Show partial understanding of how various pieces of the problem relate to each other.  
  d) Show partial awareness of methods or technologies available to solve the problem.  
  e) Show reasonable understanding of the implications of solutions. |
| Low        | Scholarly Paper or MS Thesis demonstrates student’s limited ability to achieve partial outcomes a) through e) shown above, but only with significant help from the faculty advisor and possibly other professors. |
| Unacceptable | Student is unable to identify a technical problem, fails to provide an analysis, or is unable to fulfill several of the expectations listed above. |