QUALITY ENGINEERING AND MANAGEMENT
CHECKLIST
THESIS OPTION
ON CAMPUS (SUMMER OFFERINGS)

NAME: ________________________________________ ID NO. _______________________

THESIS REQUIREMENT: 24 semester hours of graduate coursework, 6 semester hours of thesis (QEM 599)

Complete the following prerequisites prior to enrolling in core courses

*Note: If any of these courses have been taken for undergraduate credit, they CANNOT be applied towards graduate credit hours in the QEM degree.*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisites</th>
<th>Semester</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMAE 450-3</td>
<td>Project Management</td>
<td>(Prerequisites: None)</td>
<td>SP</td>
<td></td>
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<tr>
<td>IMAE 465-3</td>
<td>Lean Manufacturing</td>
<td>(Prerequisite: none)</td>
<td>SP</td>
<td></td>
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<tr>
<td>IMAE 470a-3</td>
<td>Six Sigma Green Belt</td>
<td>(Prerequisite: none)</td>
<td>FA</td>
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<tr>
<td>IMAE 470b-3</td>
<td>Six Sigma Green Belt II</td>
<td>(Prerequisite: IMAE 470a or instructor consent)</td>
<td>SP</td>
<td></td>
</tr>
<tr>
<td>QEM 515-3</td>
<td>Six Sigma Black Belt</td>
<td>(Prerequisite: IMAE 470a, 470b or instructor consent)</td>
<td>FA</td>
<td></td>
</tr>
</tbody>
</table>

Complete ALL four (4) core courses

- QEM 510-3 Quality Assurance (Prerequisites: IMAE 470a and 470b)
- QEM 525-3 Six Sigma Black Belt II (Prerequisites: IMAE 470A, 470b, and 480)
- QEM 530-3 Lean Manufacturing II (Prerequisite: IMAE 465)
- QEM 540-3 Reliability Analysis (Prerequisite: IMAE 470b)

Complete additional graduate elective courses to satisfy 24 semester hours of graduate coursework

- QEM 535-3 Service Quality (Prerequisite: none)
- QEM 545-3OL Project Management II (Prerequisite: IMAE 450)
- QEM 550-3 Project Leadership (Prerequisite: none)
- QEM 555-3OL Human Safety and Risk Management (Prerequisite: none)
- QEM 570-3OL Energy Management & Conservation (Prerequisite: IMAE 307, PHTS 203a,b)
- Other Approved Elective

TOTAL HOURS COMPLETED........................................................................................................

Graduation Requirements:

- Minimum overall GPA of 3.0.
- A student must earn an A, B, or C in any graduate course accepted for graduate credit.
- Minimum of 21 hours of graduate coursework graded A, B, or C.
- At least one-half of the required number of credit hours earned at SIUC.
- Completion of all courses as indicated in the course of study.
- Completion of 4 core and 4 departmental approved graduate-level courses.
- Must complete degree within 6 years.

Department Representative: ____________________________ Date: __________________

Rev 06/13/18