

## CMU ME/MPI-IS Collaborative Program Degree Requirements Table

Coursework	<p><b>For Advanced Entry Ph.D.:</b></p> <ul style="list-style-type: none"> <li>- Minimum 60 units (minimum 36 units must be MechE (24-6## or 24-7##) including the math requirement listed below).</li> </ul> <p><b>For Direct Entry Ph.D.:</b></p> <ul style="list-style-type: none"> <li>- Minimum 96 units (minimum 48 units must be MechE (24-6## or 24-7##) including the math requirement listed below).</li> </ul> <p><b>For all Ph.D.:</b></p> <ul style="list-style-type: none"> <li>- One math course from the approved list (see <a href="#">Appendix D</a>)</li> <li>- Technical electives (additional MechE courses (24-###) or courses from an <a href="#">approved department</a>) are used to complete the remaining course units</li> <li>- All courses must be graduate-level courses (600 or 700 level)</li> <li>- May include Supervised Reading (24-793 up to 3 units) taken as a supplement for a 9-unit course. A letter grade will be given and factor in the QPA. May be used one-time only.</li> <li>- May not include Supervised Reading (24-793) taken as pass/fail independent study, Thesis Research (24-797), or Ph.D. Internship in Teaching Counterpart (24-795)</li> <li>- Cumulative grade point average must be 3.0 or higher at graduation (See <a href="#">QPA Calculation</a> section of handbook)</li> </ul>
Research Units	<ul style="list-style-type: none"> <li>- Must register for Thesis Research (24-797) every semester while in residence at CMU – variable units</li> </ul>
Additional Requirements	<ul style="list-style-type: none"> <li>- Two oral qualifying exams (Research and Subject) taken within one year of entry</li> <li>- One Teaching Assistantship (TA) assignment (12 units of 24-795 section A)</li> <li>- Thesis Proposal</li> <li>- Formal public thesis defense</li> <li>- Comprehensive and professionally written thesis (approved by the advisor(s)/thesis committee and submitted to the department prior to graduation)</li> </ul>
Departmental Seminar	<ul style="list-style-type: none"> <li>- Required every semester for full-time students while in residence at CMU</li> </ul>
Residency Requirement	<ul style="list-style-type: none"> <li>- A minimum of 1.5 years must be spent in residency at CMU.</li> <li>- During initial residency at CMU, students must complete: all course requirements, the qualifying exams, one TA assignment, and the thesis proposal.</li> <li>- Students must change to ABS status (All But Dissertation in Absentia) prior to residency at Max Planck.</li> <li>- A minimum of 2 years must be spent in residency at Max Planck after completing all CMU requirements except the thesis defense.</li> <li>- Required to return to CMU during the final semester to defend and graduate.</li> <li>- Must switch from ABS to ABD and pay for 5 units of tuition in the final semester.</li> </ul>
Responsible Conduct of Research (RCR) Training	<ul style="list-style-type: none"> <li>- Mandatory for all CIT students conducting research (see <a href="#">policy</a>)</li> </ul>
Max units per semester	<p>Students are limited to a maximum of 54 total units per semester. No exceptions.</p>