1. REQUIRED GRADUATE LEVEL MATH OR STAT COURSE (CHOOSE 1 COURSE – 3 HRS)

☐ MATH 601 – METHODS OF APPLIED MATHEMATICS I
☐ STAT 601 – STATISTICAL ANALYSIS
☐ MEEN 689 - Modeling & Analysis of Mechanical Systems  **** Preferred & Recommended

2. CORE COURSES (CHOOSE 2 COURSES – 6 HRS OF THE FOLLOWING)

☐ MEEN 603 – THEOREY OF ELASTICITY
☐ MEEN 607 – POLYMER PHYSICAL PROPERTIES  OR
☐ MEEN 635 – FLOW AND FRACTURE OF POLYMERIC SOLIDS
☐ MEEN 608 – CONTINUUM MECHANICS
☐ MEEN 613 – ENGINEERING DYNAMICS
☐ MEEN 615 – ADVANCED ENGINEERING THERMODYNAMICS
☐ MEEN 617 – MECHANICAL VIBRATIONS
☐ MEEN 621 – FLUID MECHANICS
☐ MEEN 630 – INTERMEDIATE HEAT TRANSFER
☐ MEEN 651 – CONTROL SYSTEM DESIGN
☐ MSEN 601 – FUNDAMENTAL MATERIALS SCIENCE ENGINEERING

3. OTHER COURSES/ELECTIVES (5 COURSES – 15 HRS)

☐ CAN INCLUDE THE CORE COURSES LISTED ABOVE NOT ALREADY USED
☐ CAN INCLUDE UP TO TWO (2) MEEN SENIOR (400 LEVEL) ELECTIVES (6 CREDIT HOURS)
☐ CAN INCLUDE GRADUATE COURSES OUTSIDE OF MEEN IN THE COLLEGE OF ENGINEERING & SCIENCE
☐ CAN INCLUDE UP TO FOUR (4) CREDIT HOURS OF MEEN 685 – DIRECTED STUDIES (INDEPENDENT STUDY)

4. SEMINAR (1 COURSE – 1 HR)

☐ MEEN 681 – SEMINAR

5. RESEARCH (MINIMUM: 7 HOURS)

☐ MEEN 691 – RESEARCH

PROGRAM REQUIRED PORTFOLIO

TOTAL MINIMUM SEMESTER HOURS: 32
## Master's Degree Requirements

### Steps to Fulfill Master's Degree Requirements

**Note:** You must be continuously registered until all degree requirements have been met.

<table>
<thead>
<tr>
<th>Step</th>
<th>What to Do</th>
<th>When</th>
<th>Approved by</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Meet with departmental graduate advisor to plan course of study for first semester.</td>
<td>Before first semester registration</td>
<td>Graduate advisor</td>
</tr>
<tr>
<td>2</td>
<td>Establish advisory committee; submit your degree plan online.</td>
<td>Following the deadline imposed by the student's college and approved no later than 90 days prior to the request of final oral or thesis defense; see OGAPS calendar.</td>
<td>Advisory committee, department head and OGAPS</td>
</tr>
<tr>
<td>3</td>
<td>If thesis is required, submit Proposal Approval Form.</td>
<td>Must be submitted no later than 20 working days prior to submitting the request and announcement of final examination</td>
<td>Advisory committee, department head and OGAPS</td>
</tr>
<tr>
<td>4</td>
<td>Apply for a degree online at the Howdy portal; pay graduation fee.</td>
<td>During the first week of final semester; pay graduation fee after graduate application is submitted; see OGAPS calendar</td>
<td></td>
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<tr>
<td>5</td>
<td>Check to be sure degree program and advisory committee are up to date, and all ELP requirements (if applicable) and course work is complete.</td>
<td>Well before submitting request to schedule final examination</td>
<td>Advisory committee, graduate advisor, and department head</td>
</tr>
<tr>
<td>6</td>
<td>Complete residence requirement. (Check with your department to determine if there is a residency requirement.)</td>
<td>If applicable, before or during final semester</td>
<td>OGAPS</td>
</tr>
<tr>
<td>7</td>
<td>Submit request for permission to schedule final examination to OGAPS.</td>
<td>Must be received by OGAPS at least 10 working days before exam date (See OGAPS calendar for deadlines.)</td>
<td>Advisory committee, department head and OGAPS</td>
</tr>
<tr>
<td>8</td>
<td>If required, upload approved PDF file of the completed thesis and submit signed approval page to the Thesis Office.</td>
<td>See OGAPS calendar for deadlines.</td>
<td>Advisory committee, department head and OGAPS</td>
</tr>
<tr>
<td>9</td>
<td>Graduation; arrange for cap and gown.</td>
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</tr>
</tbody>
</table>

### More information

All Graduate Student Forms & Information can be found on the Office of Graduate & Professional Studies website at http://ogs.tamu.edu/incoming-students/student-forms-and-information/