

Department of Mechanical Engineering

DOCTOR OF PHILOSOPHY (64-hour) REQUIREMENTS

for students admitted prior to fall 2019

COMMITTEE REQUIREMENTS

1. General Requirements:

- Minimum of four (4) faculty on the committee, including the committee chair and co-chair, if applicable.
- All committee members must be on Graduate Committee Faculty through OGAPS. A list is available at <http://ogaps.tamu.edu/faculty-advisors/search>
- At least one member must be from outside the Department of Mechanical Engineering.

2. Committee Chair: may be tenure/tenure-track faculty in MEEN or joint/courtesy appointment to MEEN. Joint/courtesy appointment faculty chairs do **not** count as a non-MEEN committee member.

- Joint/Courtesy Appointment Chairs** are required to fund student through GAR or a GAT position in the faculty member's home department.

3. Committee Co-chair: optional; student may choose to have a co-chair on their committee. This person can be from in or out of MEEN.

4. Committee Members:

- If your chair is a MEEN faculty member**, you must have at least one (1) committee member from MEEN. At least one (1) committee member must be from outside of MEEN. The remaining one (1) committee member may be from in or out of MEEN.
- If your chair is a joint/courtesy appointment**, you must have at least two (2) committee members from MEEN. The remaining one (1) committee member must be from outside of MEEN.

Note: If a MEEN faculty member has a joint/courtesy appointment in another department, they can count as your non-MEEN committee member.

COMMITTEE PLANNING

| Faculty Name | Committee Role | Faculty Member's Department |
|--------------|-----------------------|-----------------------------|
| | Chair | |
| | Co-chair ¹ | |
| | Member 1 | |
| | Member 2 | |
| | Member 3 ² | |

¹Optional

²Only required if student does not have a co-chair

CURRICULAR REQUIREMENTS

1. **Required Graduate Level Mathematics Credit:** 1 course – total of 3 credit hours

| Course Options |
|---|
| MEEN 602: Modeling & Analysis of Mechanical Systems (preferred) |
| Any graduate level MATH or STAT course |

2. **Technical Elective Courses:** 5 courses – total of 15 credit hours

| Course Options |
|---|
| Any graduate level MEEN course; may include course(s) from core course listing; maximum of 4 hours of MEEN 684 & 685 combined |
| Any graduate level course in the college of engineering or college of science, with research advisor approval* |
| May include up to two (2) undergraduate courses at the 400-level |

*Courses with the ENGR prefix or outside of the colleges of engineering or science require prior approval from the MEEN Graduate Program Director.

3. **Seminar:** 2 semesters of MEEN 681 – total of 2 credit hours

681: Seminar from other departments will not be accepted

4. **Research:** 44 credit hours of MEEN 691

COURSE PLANNING

| Course | Credit Hours | Semester | Degree Plan Requirement |
|----------|--------------|----------|-------------------------|
| | | | Mathematics |
| | | | Technical Elective 1 |
| | | | Technical Elective 2 |
| | | | Technical Elective 3 |
| | | | Technical Elective 4 |
| | | | Technical Elective 5 |
| MEEN 681 | 1 | | Seminar |
| MEEN 681 | 1 | | Seminar |
| MEEN 691 | 44 | | Research Hours |