Mechanical Engineering, PhD

The MAE Department offers a PhD program in Mechanical Engineering.

The following table is an outline of the program of study requirements. Students should consult their dissertation advisor and supervisory committee to develop their program of study.

**Program of Study**

**Engineering Major**
- Minimum of 27 semester hours of graduate coursework from MAE or related departments 27
- With approval, a Master’s Thesis may be counted 6 semester hours towards this total.

**First Minor**
- 12 semester hours of graduate courses in an approved engineering area of specialization 12

**Second Minor**
- MAE 692 GRAD ENGR ANALYSIS I 3
- MAE 671 CONTINUUM MECHANICS 3
- 3 semester hours of graduate coursework in mathematics (Typically MAE 693) 3

**Doctoral Dissertation**
- 18 hours (minimum) of MAE 799 - Doctoral Dissertation 18

**Graduate Seminar**
- MAE 683 1

**Total Semester Hours** 67

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1 Any PhD candidate who has not completed MAE 683 during their MSE degree at UAH must take MAE 683.

With prior approval, up to 12 semester hours of 500 level courses may be taken in fulfillment of the Basic and specific program requirements.