

# Ph.D. Preliminary Examination

## MAE & CHE Departments

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	ELECTIVE SUBJECT AREAS:	COURSE WORK INVOLVED:
<b>MAE</b>	ADVANCED THERMODYNAMICS	MAE 641
	AEROMECHANICS	MAE 610
	CONTINUUM MECHANICS	MAE 671
	DYNAMICS	MAE 563
	PROPULSION	MAE 540, 640
	SOLID MECHANICS/MATERIALS	MAE 574
	THERMAL SCIENCES/HEAT TRANSFER	MAE 643
	VISCOUS FLUID MECHANICS	MAE 651
	SYSTEMS ENGINEERING	ISE 627
	ROBOTICS	MAE 664
<b>CHE</b>	ADVANCED THERMODYNAMICS	CHE 641
	TRANSPORT PHENOMENA	CHE 648
	ADVANCED REACTION ENGINEERING	CHE 658

1. Students will take three topic exams:
  - ME/ASE: Mathematics (MAE 692) and two exams in the MAE Elective Subject Areas;
  - CHE: Mathematics (MAE 692) and two exams in the CHE Elective Subject Areas.
2. Those who intend to take the exam should register online via the Prelim Google form [\[https://goo.gl/forms/QBorIEeWVqEAaXU23\]](https://goo.gl/forms/QBorIEeWVqEAaXU23)
3. Sample problems from previous exams are available to students taking the Preliminary Examination (email Lisa Potter at [lisa.potter@uah.edu](mailto:lisa.potter@uah.edu) for details).