

Ph.D. Preliminary Examination

MAE & CHE Departments

	ELECTIVE SUBJECT AREAS:	COURSE WORK INVOLVED:
MAE	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
CHE	ADVANCED THERMODYNAMICS	CHE 641
	TRANSPORT PHENOMENA	CHE 648
	ADVANCED REACTION ENGINEERING	CHE 658

- 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.
- 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)
- Sample problems from previous exams are available to students taking the Preliminary Examination (email Zeke Aguilera at aguilee@uah.edu for details).