AEROSPACE ENGINEERING, PHD

for the degree of Doctor of Philosophy in Aerospace Engineering

1. An ability to utilize and apply advanced mathematical, computational, design and/or experimental skills
2. An ability to identify, formulate and solve advanced problems in aerospace engineering
3. Effectively communicate technical ideas through reports, presentations, or other media at the high level associated with graduate education
4. Depth of knowledge in one or more sub-disciplines associated with aerospace engineering and their research or technical area of interest.
5. Knowledgeable about contemporary research in aerospace engineering and related disciplines. Knowledgeable about ethical standards of conducting research, analyzing data and disseminating information as part of the engineering profession
6. An ability to conduct research, analyze results, report findings, and draw conclusions that result in original contributions to knowledge in aerospace engineering and/or related fields (Not a requirement for M.S. Non-thesis students)
7. Effectively train and/or teach others in a classroom, laboratory, seminar, or other setting to disseminate knowledge in the aerospace engineering discipline. (Not a requirement for M.S. students)