

**APPLICATION FOR ADMISSION TO THE DOCTORAL QUALIFYING EXAM**

FIELD EXAM – January 28 & 29, 2019, 8:30 am – 6:00 pm, Rooms TBA

Name: \_\_\_\_\_ Email: \_\_\_\_\_

Phone: \_\_\_\_\_ Current GPA: \_\_\_\_\_

MIT Research Advisor: \_\_\_\_\_

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Select one field and, if applicable, indicate the elective content you have selected for the field exam:

\_\_\_\_ **Aerospace Computational Engineering** – Core plus one:

- A. \_\_\_\_ Fluid Mechanics
- B. \_\_\_\_ Mechanics of Solid Materials
- C. \_\_\_\_ Optimization Methods
- D. \_\_\_\_ Probability

\_\_\_\_ **Communications and Networking** – Select two:

- A. \_\_\_\_ Probability and Statistics
- B. \_\_\_\_ Data Networks
- C. \_\_\_\_ Digital Communication

\_\_\_\_ **Aerospace, Energy & the Environment**

\_\_\_\_ **Controls** – No elective content

\_\_\_\_ **Air-breathing Propulsion** – Core plus one:

- A. \_\_\_\_ Compressible Flow
- B. \_\_\_\_ Internal Flow in Turbomechanics

\_\_\_\_ **Humans in Aerospace** – No elective content

\_\_\_\_ **Aircraft Systems Engineering** – Core plus two:

- A. \_\_\_\_ Aerodynamics
- B. \_\_\_\_ Aircraft Instrumentation
- C. \_\_\_\_ Aircraft Propulsion
- D. \_\_\_\_ Aircraft Stability and Control
- E. \_\_\_\_ Aircraft Structures
- F. \_\_\_\_ Human Factors
- G. \_\_\_\_ Software Systems

\_\_\_\_ **Materials and Structures** – No elective content

\_\_\_\_ **Space Propulsion** – No elective content

\_\_\_\_ **Air Transportation Systems** – No elective content

\_\_\_\_ **Space Systems** – Core plus one:

- A. \_\_\_\_ Space System Arch & Design
- B. \_\_\_\_ Space System Engineering
- C. \_\_\_\_ System Safety

\_\_\_\_ **Autonomous Systems** – Core plus one:

- A. \_\_\_\_ Cognitive Robotics
- B. \_\_\_\_ Stochastic Estimation & Control

- FORM CONTINUES ON REVERSE SIDE -

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Student Signature

Date

**Faculty Endorsement:** I endorse the above student's application for admission to the Department of Aeronautics and Astronautics Doctoral Qualifying Exam.

I will submit the separate recommendation form (email or hard copy) to Beth Marois no later than Monday, January 7, 2019.

I will make a presentation of the candidate's academic achievements at the faculty review following the examinations, as an advocate of the candidate, and will communicate the decision of the faculty to the candidate following the evaluation meeting. I understand that serving as endorser does not commit me to serve as the doctoral advisor, but does signify my belief that the student has the potential to successfully complete the doctoral program.

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Signature of Faculty Member

Date

Please complete and return to Beth Marois, Room 33-202A, no later than ***Friday, November 2, 2018.***