

Ph.D. Degree Graduation Checklist for MAE Department

Program Requirements

- [] Signed and dated “Graduate Advisor – Advisee Agreement” form (within the first semester of starting the program)
- [] Approved Annual Individual Development Plans (IDPs) for each year of graduate study

Credit-related Degree Requirements

- [] A total of forty-two (42) course credits, twenty-four (24) research credits, and six (6) course or research credits
 - B average (3.0 GPA)
 - No Pass/Fail courses
 - Maximum of two (2) C/C+ grades
 - Research credits must be of grade S
 - Maximum of two (2) undergraduate 400-level non-MAE courses, with prior approval from the Graduate Program Director (GPD)
 - No undergraduate MAE courses (NB: MAE undergrad courses can count towards Certificate requirements but not graduate degree requirements)
 - Maximum of four (4) non-MAE courses, with prior GPD approval
 - Maximum of two (2) Independent Study courses
 - Up to 24 graduate-level course credits with grades of B or better may be transferred from another institution with GPD and SGS approvals (use SGS “Transfer of Credit Application” form)
- [] Required Math courses: 642:527 Applied Math Department (can be substituted with Conduction Heat Transfer 650:570 with GDP permission) and 642:528 Applied Math department
- [] Minimum of ten (10) MAE 3-credit graduate courses (16:650:xxx) if starting in the department with a BS degree. Minimum of six (6) MAE 3-credit graduate courses (16:650:xxx) if starting in the department with a Master’s degree in a similar field from another institution/department, with prior GPD approval.
- [] At least one (1) MAE graduate course in four (4) of the five (5) topical areas of the department, i.e., Design & Manufacturing, Dynamics & Control, Fluids, Solids, Thermal Science
- [] Required Six (6) credits of Seminar (with no more than 6 credits counted towards degree requirements)

Qualifying Exam Requirement

- [] Sign up for the Qualifying Exam (within 2 years of starting the program).
 - Graduate Administrator will email a link to register for specific subjects a few months before the Qualifying Exam.
- [] Upon passing the Qualifying Exam, submit the signed “Doctoral Qualifying Examination Form” from the Rutgers SGS forms website.

Optional Certificates

- [] Submit the “Certificate Program Application” form from the Rutgers SGS forms website for any Certificates completed.

Thesis Requirements

- [] Signed and dated “Dissertation Proposal Presentation Form”
- [] Signed and dated “Ph.D. Committee Nomination Form”
- [] With the research advisor's consent, submit an electronic copy of the thesis to the GPD and the Graduate Administrator at least 3 weeks before the desired defense date.
- [] GPD formally appoints the thesis committee (based on the “Ph.D. Committee Nomination Form”), and the Graduate Administrator sends the thesis to the committee for review.
- [] After the committee approves, the thesis defense is scheduled (at least 1 week before the SGS deadline for degree materials for dated degree graduation), and public notice is posted at least 1 week before the defense.
- [] Fill out the application form, highlight courses in transcript that satisfy degree requirements, and send them to the Graduate Administrator to review and approve courses.
 - Use the “Doctoral Final Defense Form” from the Rutgers SGS forms website.
 - For any transferred credits, provide a copy of the approved “Transfer of Credit Application” form.
 - For any waived course requirements or prior-approved course takings, provide copies of email confirmations.
 - For Section “Dissertation Requirement” of the application form, make sure to have your thesis advisor and the committee members at the defense sign off on the examination. Make sure that you write-in “Chairperson” under the signature line for your thesis advisor.
 - Graduate Administrator approval requires that all of the above items are completed. Only then will the Graduate Administrator email confirmation, along with copies of the above, to the GPD that course requirements are fulfilled.
- [] Bring the application form (after the Graduate Administrator has reviewed and approved it) to the defense.
- [] Upon passing the defense, have the committee sign the application form.
 - If thesis corrections are needed, the application form and the thesis cover sheet can be electronically signed through Rutgers DocuSign.

Procedure After Completing All Requirements

- [] Submit the signed application form (through Rutgers DocuSign) to the GPD for approval.
 - Submit an electronic thesis copy (with signatures) to the GPD.
 - Make sure that the committee names (specifying their roles) are listed in the Acknowledgments of the thesis.
 - Ensure that the IDP has been approved within 1 year.
 - Submit the form for “Forwarding Contact Information” for graduates.
 - GPD approval requires that all of the above items are completed.
- [] Submit the approved application form and a copy of the thesis to SGS.
 - Check the Graduation and Dissertation guidelines of SGS

- (<https://grad.rutgers.edu/academics/graduation>) for specifics.
- [] Submit online diploma application.
 - Check the Graduation and Dissertation guidelines of SGS (<https://grad.rutgers.edu/academics/graduation>) for specifics.