Masters Program Requirements

To receive a Master’s Degree you must:

• Have a QPA greater than or equal to 3.0.
• Submit your Graduate Plan of Study (GPS) by the end of your first semester. To graduate, the courses you have taken must agree with the GPS. You can file a revised GPS to ensure agreement.
• File a degree application with the Registrar’s Office by the date specified in the academic calendar for the semester in which you plan to graduate.
• Degree candidates who at any point in their tenure at Rensselaer are, or become, full-time students must maintain continuous full-time registration throughout their Rensselaer academic career to be eligible to graduate. You must be registered full-time during the semester in which you intend to graduate, and be in good academic and disciplinary standing.

In addition to these requirements, you should be familiar with the information in the Rensselaer Catalog and the Institute Graduate Tuition Policy in order to plan out your Master's study appropriately.

Master of Science (MS)
(by perception, more scholarly or fundamental):

• Number of credits: 30 (31 credits total with the inclusion of the MATH course requirement)
• Required Thesis credits: 6
The corresponding thesis, independently written by the student as single author, must be approved by the advisor as well as two additional committee members from the department’s faculty (Master’s Committee). Your thesis defense will be presented to this committee.
• All courses used to earn the master’s degree must be taken at the 4000 or 6000-level. No courses used to complete undergraduate degree requirements may also be counted towards the completion of a graduate degree.
• Out of the 24 credits of course work: a minimum of 12 credits must be completed at the 6000-level with a maximum of 12 credits taken at the 4000-level.
• One 4000 or 6000-level MATH course. This requirement does not apply to students who have entered a graduate degree program in MANE prior to the Fall 2013 semester.
• Out of the 30 (31) credits: a minimum of 15 credits must be from MANE*.
• No credits from departments outside of the schools of Engineering or Science can be applied to your degree without prior approval from the Graduate Program Director.
• Maximum of 3 credits of Individual Project/Independent Study.
• Each full-time student must register each semester for Graduate Seminar MANE-6900 and attend the required number of seminars.
Master of Engineering (M.Eng)
(by perception, more practical):

• Number of credits: 30 credits (31 credits total with the inclusion of the MATH course requirement)
• Required Master’s Research Project Credits: 6
  The project requirements will be determined by the student’s advisor.
• All courses used to earn the master’s degree must be taken at the 4000 or 6000-level. No courses used to complete undergraduate degree requirements may also be counted towards the completion of a graduate degree.
• Out of the 24 credits of course work: a minimum of 12 credits must be completed at the 6000-level with a maximum of 12 credits at the 4000-level.
• One 4000 or 6000-level MATH course. This requirement does not apply to students who have entered a graduate degree program in MANE prior to the Fall 2013 semester.
  • Out of the 30 (31) credits: a minimum of 15 credits must be from MANE*.
  • No credits from departments outside of the schools of Engineering or Science can be applied to your degree without prior approval from the Graduate Program Director.
  • Maximum of 3 credits of Individual Project/Independent Study.
  • Each full-time student must register each semester for Graduate Seminar MANE-6900 and attend the required number of seminars.

*MANE prefix or cross-listed with a MANE course, or approved by the Associate Chair for Graduate Studies.