

## Physics grad school: Masters of Applied Physics

Summary of Applied Physics MS sequence

Brought to you by your friendly neighborhood Physics Graduate Student Association (PGSA)

First, see grad school quick reference guide (QRG) at <http://gradschool.mines.edu/GS-Quick-Reference-Guide>

Second, here's our physics-specific overview:

*Note: If you are completing a conventional thesis based masters, it will likely take you longer than listed here, see Advising Handbook (AH)*

As soon as possible:

- Non-Colorado residents: Apply for residency before semester starts-requirement link in AH: <http://physics.mines.edu/resources/files/2010GradAdvisingHandbook.pdf>

Summer 1:

- Credits in summer II term: research 3 credits, find advisor.
- Start research now if you want to graduate in May of following year.

Semester 1:

- Get Blastercard in Blastercard office in Campus Living Office (Elm Hall) and computer accounts (email, ADIT, etc) at CCIT in the CTLM; get key; get social security number if you are from abroad
- 3 Classes: Math Physics, Elective and another core class (Classical, Quantum II, or Stat Mech), Colloquium 501 (some of these courses may have been taken as undergrads already if in combined program)
- Credits: Courses 10, Research 5 (make sure to take a total of 15 in case you have to drop a course!)
- Get transfer credit approval started (9 credits, all not to be required for undergraduate degree)-form in AH
- Identify research advisor if you haven't done so already (if combined program, should be done previous year as senior), do literature review, and do research
- Form thesis committee-see QRG
- Thesis Proposal Defense: 1-5 page document, 10-15 min presentation
- Submit application to graduate by second-to-last semester before graduating

Semester 2:

- Courses: Quantum I, Elective, Elective (some of these may have been taken as undergrads), Colloquium 502
- Credits: Courses 10, Research 5, Total 15
- Research, finish thesis

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- All course requirements complete for Quality Control requirement-form in AH
- Schedule thesis defense
- Finish and submit thesis to committee 2 weeks before defense (usually has to be completed at least month before graduation-refer to Graduate School timelines-see QRG)
- Thesis defense-form on Grad School webpage-link in AH
- Thesis revisions and submission-Grad School electronic submission-link in AH
- Checkout card-Grad School webpage-link in AH
- Graduation practice

Summer 2, Semester 3/4:

- Overflow if you need. At the outside you might need a summer and one semester to finish in most cases.
- Credits: Courses 10, Research 5, Max total 15

*Last updated 4/18/15*