Master of Science in Materials Science

Note: a MTSI-MS student can take no more than 9 credits of 400 level courses.

Semester 1:
- MTSI 500 (1 credit)
- MTSI 501 (3 credits)
- MTSI 511 (3 credits)
- MTSI 551 (3 credits)

Semester 2:
- MTSI 500 (1 credit)
- MTSI 502 (3 credits)
- MTSI 503 (3 credits)
- MTSI 512 (3 credits)

Summer 1: (optional)
- Discipline specific independent study (e.g. CHMY 592 (up to 3 credits))
- Summer internship in private sector company or government lab.

Semester 3: Discipline specific graduate courses including but not limited to (choose up to 3)
- CHMY 557 (3 credits)
- CHMY 558 (3 credits)
- PHSX 441 (3 credits)
- PHSX 444 (4 credits)
- PHSX 461/506 (3/3 credits)
- PHSX 531 (3 credits)
- EELE 407 (3 credits)
- EELE 482 (3 credits)
- EELE 556 (3 credits)
- EELE 556 (3 credits)
- EELE 581 (3 credits)
- EMAT 463 (3 credits)
- EMAT 560 (3 credits)
- EMEC 444 (3 credits)

Semester 4 (if necessary): Discipline specific graduate courses including but not limited to (choose up to 3)
- BIOB 524 (3 credits)
- CHMY 515 (3 credits)
- CHMY 564 (3 credits)
- PHSX 446 (3 credits)
- PHSX 535 (3 credits)
- EELE 448 (3 credits)
- EELE 505 (3 credits)
- EELE 582 (3 credits)
- EMAT 461 (3 credits)
- EMAT 462 (3 credits)
- EMAT 464 (3 credits)
- EMAT 553 (3 credits)
- EMEC 445 (3 credits)
- EMEC 467 (3 credits)

One course in either Semester 3 or Semester 4 must be XXXX 575, Independent Study in an appropriate discipline chosen by the student and approved by the MTSI campus director for the program of study. This course will serve as the mechanism for writing a professional paper.
- CHMY 557 (3 credits)
- CHMY 558 (3 credits)
- PHSX 441 (3 credits)
- PHSX 444 (4 credits)
- PHSX 461/506 (3/3 credits)
- PHSX 531 (3 credits)
- EELE 407 (3 credits)
- EELE 482 (3 credits)
- EELE 556 (3 credits)
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- EELE 581 (3 credits)
- EMAT 463 (3 credits)
- EMAT 560 (3 credits)
- EMEC 444 (3 credits)