

Master of Science in Molecular Sciences and Nanotechnology

Degree Codes: ES MSNT MSNT or ANS MSNT MSNT

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Overall requirements for the specific options are as follows:

Requirements for all degree types

| Course Category | Number | Course Name | | SCH | |
|-----------------|---|--|---|----------|--|
| Core Courses | MSNT 502 | Research Methods | 3 | 12 | |
| | MSNT 504 | Molecular Sciences and Nanotechnology Seminar* | 1 | | |
| | MSNT 503 | Directed Study** | 5 | | |
| | Select one of the following two courses | | | | |
| | MSNT 505 | Nanotechnology Principles | 3 | | |
| | MSNT 521 | Principles of Cell and Molecular Biology | 3 | | |
| | | | | Total 12 | |

Thesis Option (in addition to the courses above)

| Course Category | Number | Course Name | | SCH |
|-----------------|---|---|--|----------|
| Electives** | Four courses (12 semester hours) approved by the student's advisory committee | | | 12 |
| Thesis | MSNT 551 | Research & Thesis (only 6 SCH may count towards the degree and at least 3 SCH must be taken in the quarter of graduation) | | 6 |
| | | | | Total 30 |

Practicum Option (in addition to the courses above)

| Course Category | Number | Course Name | | SCH |
|-----------------|--|-------------|--|----------|
| Electives** | Seven courses (21 semester hours) approved by the student's advisory committee | | | 21 |
| Practicum | MSNT 549 | Practicum | | 3 |
| | | | | Total 36 |

No Coursework Only Option Available

*Enrollment is recommended in the second year of study (along with MSNT 503B, see the following note**) so that the student has sufficient background and experience to present a seminar.

**The maximum number of variable credit Directed Study courses that can be applied towards the degree is 6 SCH. Directed Study may be replaced with formal courses if necessary, but 6 SCH of Directed Study is strongly recommended for the student to gain depth and expertise in some specific area of molecular sciences and nanotechnology.

Plan of Study Important Information: When entering information in the plan of study, it is important to note that only core courses and all core courses need to be put in section 1.1, while all others are put in section 1.2 (i.e. special topics, seminar, and research courses). See <http://coes.latech.edu/grad-programs/plan-of-study-instructions.pdf> for plan of study instructions.

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