

## 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

### Coursework Only Option Not 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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