

## Master of Science in Molecular Sciences and Nanotechnology

**Decree Codes:** ES MSNT MSNT or ANS MSNT MSNT

**Contact:** Prof. B. Ramachandran (ES) or Prof. Bill Campbell (ANS)

**SCH Requirements:** 30 SCH (thesis option) or 36 SCH (practicum)

**Thesis Option:** Research & Thesis SCH toward degree: 6

**Practicum Option:** Practicum SCH toward degree: 3

**Course-work only option:** Not available

Course Category	Number	Course Name	SCH
<b>Core Courses</b>	<i>Take MSNT 502, MSNT 504, and another course from this list</i>		7
	MSNT 502	Research Methods	3
	MSNT 504	Molecular Sciences and Nanotechnology Seminar*	1
	MSNT 505	Nanotechnology Principles	3
	MSNT 521	Principles of Cell and Molecular Biology	3
<b>Other Courses</b>	<i>The remaining courses are to be selected by the student and the advisory committee so as to provide the required background for research and a productive career.</i>		thesis: 12 practicum: 21

THESIS OPTION				PRACTICUM OPTION		
Course Category	Number	Course Name	SCH	Number	Course Name	SCH
	MSNT 503	Independent Study**	5	MSNT 503	Independent Study**	5
<b>Thesis or Practicum</b>	MSNT 551	Research & Thesis in MSNT	6	MSNT 549	Practicum in MSNT	3
<b>TOTAL</b>			<b>30</b>			<b>36</b>

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

\*\* The maximum number of variable credit Independent Study courses that can be applied towards the degree is 6 SCH. Independent Study may be replaced with formal courses if necessary but the MSNT Steering Committee strongly recommends 5 SCH of Independent Study for the student to gain depth and expertise in some specific area of molecular sciences or nanotechnology.