

Nanomaterials for Energy & Environmental Applications

Program

College of Science and General Studies

MNT

Credit Hours Required for a Master of Nanoscience & Nanotechnology Nanomaterials for Energy & Environmental Applications (MNT)

Types of Courses	Compulsory	Elective	Total
Core	12	-	12
Subject	12	-	12
Thesis	18	-	18
Total	42		42

Core Courses

Item #	Title	Credits
MNT 510	Introduction to Nanoscience & Nanotechnology I	3
MNT 520	Introduction to Nanoscience & Nanotechnology II	3
MNT 530	Experimental Techniques in Nanotech - I	3
MNT 540	Experimental Techniques in Nanotech - II	3

Choose one Subject Courses from below

Item #	Title	Credits
MNT 502	Nanobiotechnology	3
MNT 503	Special Topics in Nanomedicine	3
MNT 504	Biosensors & Lab-on-a-Chip	3

Subject Courses

Choose 3 courses.

Item #	Title	Credits
MNT 511	Renewable Energy Storage Systems	3
MNT 512	Polymer Nanocomposites	3
MNT 513	Topics in Nanomaterials Science	3
REC 503	Research Methodologies	3

Thesis

Item #	Title	Credits
MNT 600	Thesis A	9
MNT 600	Thesis B	9
		42

Semester 1

Item #	Title	Credits
MNT 510	Introduction to Nanoscience & Nanotechnology I	3
MNT 530	Experimental Techniques in Nanotech - I	3
MNT 511	Renewable Energy Storage Systems	3
	MNT Subject	3

Semester 2

Item #	Title	Credits
MNT 520	Introduction to Nanoscience & Nanotechnology II	3
MNT 540	Experimental Techniques in Nanotech - II	3
MNT 512	Polymer Nanocomposites	3
MNT 513	Topics in Nanomaterials Science	3

Semester 3

Item #	Title	Credits
MNT 600	Thesis A	9

Semester 4

Item #	Title	Credits
MNT 600	Thesis B	9