

North Hennepin Community College and Dakota County Technical College
Nanoscience Technology Program Course Outline and Credit Allocation

Semester 1 at NHCC			Semester 2 at NHCC			Semester 3 at DCTC			Semester 4 At Univ. of MN		
Course	Name	Credits	Course	Name	Credits	Course	Name	Credits	Course	Name	Credits
BIOL 1001 or 1101	Biology I or Principles of Biology I	4	CHEM 1010 or 1061	Introduction to Chemistry or principles of Chemistry	4	NANO 2101	Nano Electronics	3	MT 3111	Elem. of Micro Manufacturing	3
PHYS 1201	Principles of Physics I	5	PHYS 1202	Principles of Physics II	5	NANO 2111	Nanobiotechnology / Agriculture	3	MT 3112	Elem. of Micro Mfg Lab	1
ENGL 1200 or 1201	College Writing I	4	COM M 1110 ****	Interpersonal Communication	3	NANO 2121	Nanomaterials	3	MT 3121	Thin Films Deposition	3
MATH 1150	College Algebra	3	MATH 1130	Statistics	4	NANO 2131	Manufacturing, Quality Assurance	2	MT 3131	Intro to Materials Characterization	4
NANO 1100	Fund. of Nano I	3	NANO 1200	Fund of Nano II	3	NANO 2140	Interdisciplinary Lab	3	MT 3141	Principles and Applications of Bionanotechnology	4
			NANO 1210	Computer Simulation	1	NANO 2151	Career Planning and Industry	1	MT 3142	Nanoparticles & Biotechnology Lab	1
			NANO 1211	Student Lab Experience and Research	2	****	Interpersonal Communications can be taken any semester		NANO 2970	Internship	2
18 Credits			18/21 Credits			15/18 credits			18		