

Associate in Applied Science and Career Certificates

NANOSCIENCE TECHNOLOGY

Engineering, Math and Physical Sciences Division
Room T102, (847) 543-2044

NANOSCIENCE TECHNOLOGY (Associate in Applied Science Harper College in Palatine, IL) Plan 24NN

Through a partnership with Harper College, CLC students are able to complete an associate in applied science degree in Nanoscience Technology. The Nanoscience Technology program prepares students to become skilled technicians in this cutting-edge, emerging field. Nanotechnology is the science of manipulating atoms and molecules at the nanometer scale (1-100 nanometers). Graduates of this 64-66 credit hour program will be prepared to work as technicians and manufacturing and production workers within industries using nanoscience and microscience technologies, including areas of research and development, production, manufacturing, and sales.

Forty-three credits of the degree are taken at the College of Lake County, and 21-23 credits are taken at Harper College in Palatine. The degree is granted by Harper College upon successful completion of all program requirements. Students interested in participating in this partnership program should submit an application for admission to both the College of Lake County and Harper College.

Required CLC Coursework (completed at CLC)43

BIO	123	Principles of Biology4
+	CHM	121	General Chemistry I5
	CMM	121	Fundamentals of Speech.....3
+	ENG	120	Technical Composition I3
	MTH	144	Precalculus5
	MTH	222	Elementary Statistics4
	PHY	121	General Physics I5
	PHY	122	General Physics II5
	NAN	121	Fundamentals of Nanoscience I3
	NAN	122	Fundamentals of Nanoscience II3
++		Humanities or Social Science elective3

Required Harper College Coursework

(completed at Harper College).....	21-23
NAN 211	Nanoelectronics3
NAN 221	Nanobiotechnology.....3
NAN 231	Nanomaterials.....3
NAN 241	Nanoscience Manufacturing.....3
NAN 295	Independent Research or
+++	Approved Elective3-5
NAN 299	Nanoscience Internship6

Total Hours for AAS Degree

(Granted by Harper College)64-66

- + CHM 120 Chemical Concepts may be substituted. See Harper College Program Coordinator.
- + ENG 121 English Composition may be substituted. See Harper College Program Coordinator.
- ++ Course must meet Harper College's world cultures/diversity requirement
- +++ A Harper College course from BIO, CHM, EGR, or ELT may be substituted with the consent of Harper College Program Coordinator.