

Construction Technology Management (CNS)

The purpose of this program is to meet the educational needs of the construction industry by training entry-level construction managers and by providing continuing education for construction employees. Graduates will be qualified to be draftspersons, engineering and construction aides, building materials and manufacturing representatives, planning aides and detailers. Dutchess Community College graduates will be able to transfer many credits to accredited construction management programs at four-year colleges.

The Associate in Applied Science (A.A.S.) degree is awarded upon completion of the requirements for this program.

Upon successful completion of the CNS program, graduates can be expected to have knowledge in the following areas of study:

- Communications – Student will be able to graphically, orally and in writing meet the requirements of an entry-level project manager.
- Technology – Student will have an understanding of structures, material and methods and environmental systems.
- Field – Student will have the skills necessary to work as an entry-level project manager including the ability to read and interpret construction documents, recognize and understand contract construction documents, basic estimating and scheduling skills, surveying skills as they relate to construction and will have an understanding of the activities, organization and ethics of the profession.

Courses should be selected in consultation with an advisor.

The following microcredential stacks into the CNS Program: Surveying Technician.

First Semester

Course No.	Descriptive Title	Credit Hours
ENG 101	Composition I	3
MAT 132	Technical Mathematics II	3
ARC 103	Basic Architectural Drawing	3
ARC 105	Building Materials & Construction I	3
ARC 104	Introduction to Computer Graphics	1
ARC 113	Architecture Introductory Seminar	1
BUS 102	Foundations of Business	3
TOTAL		17

Second Semester

Course No.	Descriptive Title	Credit Hours
ENG 102	Composition II	3

ARC 106	Building Materials & Construction II	3
ARC 110	Architectural Drawing	3
ARC 214	Office Practice	3
CNS 110	Construction Management & Computing	1
Elective (a)		3
TOTAL		16

Third Semester

Course No.	Descriptive Title	Credit Hours
Any Appendix D Course		3
ARC 202	Mechanics of Structures	2
ARC 205	Working Drawings	4
ARC 211	Environmental Systems	3
BHS 103	Social Problems in Today's World	3
TOTAL		15

Fourth Semester

Course No.	Descriptive Title	Credit Hours
SUR/ENR 215	Surveying I (b)	3
Business or Technical Elective (c)		3
CNS 240	Capstone Project	4
ARC 207	Structural Analysis	3
Elective (a)		3
TOTAL		16
	TOTAL CREDIT HOURS	64

a. Elective courses to be taken in Mathematics (Appendix A), Humanities (Appendix G), Social Sciences (Appendix C) or Natural Science (Appendix B).

b. SUR/ENR 215 meets during the first half of the semester; SUR/ENR 216 meets during the second half of the semester.

c. Business Elective to be BUS 210. Technical Elective to be SUR/ENR 216, which can be used for the Surveying Technician Microcredential.