

ARCHITECTURAL AND CONSTRUCTION TECHNOLOGIES
CONSTRUCTION TECHNOLOGY (CNS)
(HEGIS 5317)

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.



<u>Course No.</u>	<u>Descriptive Title</u>	<u>Cr.Hrs.</u>
FIRST SEMESTER		
ENG 101	Composition I	3
MAT 132	Technical Mathematics II (a)	3
ARC 103	Basic Architectural Drwg.	3
ARC 105	Bldg. Materials & Const. I	3
ARC 104	Introduction to Computer Graphics	1
ARC 113	Architecture Introductory Seminar	1
BUS 104	Business Organization & Management	<u>3</u>
TOTAL		17

SECOND SEMESTER		
ENG 102	Composition II	3
ARC 106	Bldg. Materials & Const. II	4
ARC 110	Architectural Drawing	3
ARC 214	Office Practice	2
ENR 215	Surveying I	<u>3</u>
TOTAL		15

THIRD SEMESTER		
ECO 105, GOV 121, HIS 104, HIS 108		3
ARC 108	Mechanics of Structures	2
ARC 205	Working Drawings I	5
WFE 101	Lifetime Wellness and Fitness	3
ARC 211	Mechanical & Electrical Systems in Buildings	<u>2</u>
TOTAL		15

FOURTH SEMESTER		
BHS 103	Social Problems in Today's World	3
ARC 206	Working Drawings II	5
ARC 207	Structural Analysis	3
ACC 104	Financial Accounting	4
Free Elective (b)		<u>3</u>
TOTAL		18
TOTAL CREDIT HOURS		65

- a. Qualified students may take a more advanced mathematics course.
- b. Elective courses to be taken in Humanities, Social Sciences, Math or Science.