

**ARCHITECTURAL AND CONSTRUCTION TECHNOLOGIES**  
**ARCHITECTURAL TECHNOLOGY (ARC)**  
**(HEGIS 5304)**

This program prepares graduates for employment opportunities in the field of architecture. In addition to being architectural technicians, graduates will be qualified to be draftspersons, engineering aides, building materials and manufacturing representatives, planning aides, and detailers, and to work with city building departments and renewal and redevelopment agencies. Dutchess Community College graduates are also able to transfer many of their credits to accredited architectural colleges.

Students should have completed Sequential Math Course III prior to entry into the Architectural program.

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

Courses should be selected in consultation with an advisor.

<u>Course No.</u>	<u>Descriptive Title</u>	<u>Cr.Hrs.</u>
<b>FIRST SEMESTER</b>		
ENG 101	Composition I	3
MAT 132	Technical Mathematics II (a)	3
ARC 103	Basic Architectural Drawing (b)	3
ARC 105	Bldg. Materials & Const. I	3
ARC 104	Introduction to Computer Graphics	1
ARC 113	Architecture Introductory Seminar	1
ART Elective:	ART 110, 111, or 112	<u>3</u>
	<b>TOTAL</b>	<b>17</b>
<b>SECOND SEMESTER</b>		
ENG 102	Composition II	3
ARC 106	Bldg. Materials & Const. II	4
ARC 110	Architectural Drawing (c)	3
ARC 122	Architectural Presentation I	2
ARC 216	Design Theory	2
WFE 101	Lifetime Wellness and Fitness	<u>3</u>
	<b>TOTAL</b>	<b>17</b>
<b>THIRD SEMESTER</b>		
ECO 105, GOV 121, HIS 104, HIS 108		3
ARC 108	Mechanics of Structures	2
ARC 123	Architectural Presentation II	2
ARC 203	Architectural Design	3
ARC 205	Working Drawings I	5
ARC 211	Mechanical and Electrical Systems In Buildings	<u>2</u>
	<b>Total</b>	<b>17</b>
<b>FOURTH SEMESTER</b>		
BHS 103	Social Problems in Today's World	3
ARC 206	Working Drawings II	5
ARC 207	Structural Analysis	3
ARC 214	Office Practice	2
Free Elective (d)		<u>3-4</u>
	<b>TOTAL</b>	<b>16-17</b>
	<b>TOTAL 67 CREDIT HOURS</b>	

Courses outside the Architectural program may be selected in lieu of those recommended, if a student is planning a specialized program. Such changes require the approval of the Architectural Technology chairperson.

- a. Students whose mathematics background does not include intermediate algebra and trigonometry or Sequential Math Course III must first take MAT 131. Qualified students may take a more advanced mathematics course.
- b. ARC 100 and ARC 101, in combination, may be taken in place of ARC 103.
- c. ARC 107 and ARC 109, in combination, may be taken in place of ARC 110.
- d. See page 97 for a full discussion of the free elective requirement. The subject area for the Architectural Technology program includes all courses labeled ARC.

