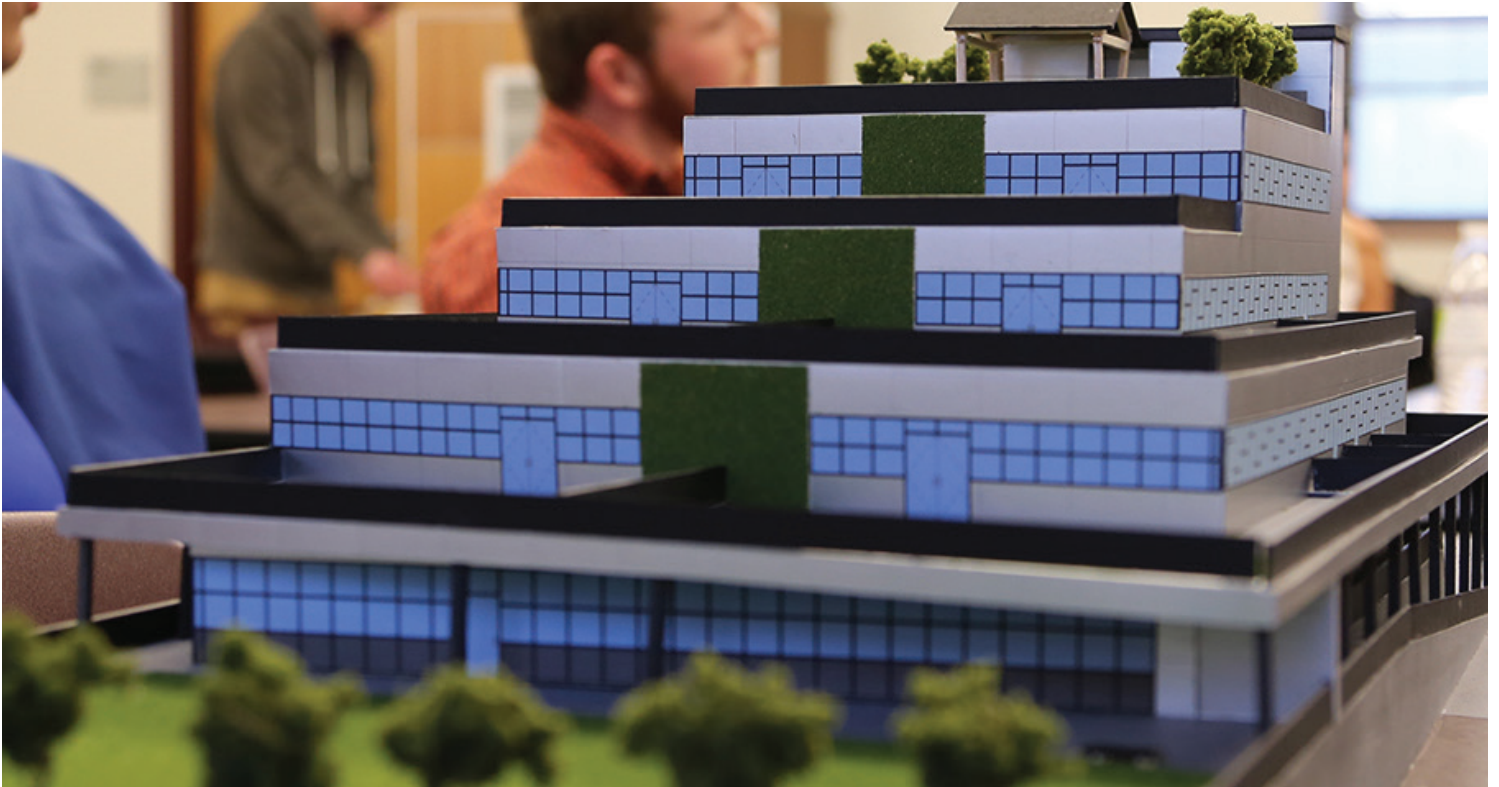


# Architectural Technology

A.A.S. | Associate in Applied Science



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 also are 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.

**For more information, contact the Admissions Office at (845) 431-8010 or visit [www.sunydutchess.edu/academics](http://www.sunydutchess.edu/academics)**

# Architectural Technology (ARC)

ARCHITECTURAL AND CONSTRUCTION TECHNOLOGIES

(HEGIS 5304)

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

Upon successful completion of the ARC 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 present architectural ideas.
- Technology – Student will have an understanding of structures, material and methods and environmental systems.
- Practice – Student will be able to move from architectural programming and predesign activities through design and construction documentation and will have an understanding of the activities, organization and ethics of the profession.
- History/Theory – Student will have awareness about precedent, ideas, culture and history of architecture.
- Design – Student will be able to apply information from all other areas of study to solve a specific architectural problem or program.

Courses should be selected in consultation with an advisor.

## FIRST SEMESTER

		credits
ENG 101	Composition I	3
MAT 132	Technical Mathematics II (a)	3
ARC 103	Basic Architectural Drawing (b)	3
ARC 105	Building Materials & Construction I	3
ARC 104	Introduction to Computer Graphics	1
ARC 113	Architecture Introductory Seminar	1
ART 101, ART 102 or ART 104		3

**Total 17**

## SECOND SEMESTER

ENG 102	Composition II	3
ARC 106	Building Materials & Construction II	3
ARC 110	Architectural Drawing (c)	3
ARC 122	Architectural Presentation I	2
ARC 216	Design Theory	3
WFE 101	Lifetime Wellness and Fitness	3

**Total 17**

## THIRD SEMESTER

ECO 105, GOV 121, HIS 104, HIS 108		3
ARC 202	Mechanics of Structures	2
ARC 123	Architectural Presentation II	2
ARC 203	Architectural Design	3
ARC 205	Working Drawings	4
ARC 211	Mechanical & Electrical Systems in Bldgs	3

**Total 17**

## FOURTH SEMESTER

BHS 103	Social Problems in Today's World	3
ARC 240	Capstone Project	4
ARC 207	Structural Analysis	3
ARC 214	Professional Practice	3
Elective (d)		3

**Total 16**

**Total Credit Hours 67**

- Students whose mathematics background does not include intermediate algebra and trigonometry must first take MAT 131. Qualified students may take a more advanced mathematics course.
- ARC 100 and ARC 101, in combination, may be taken in place of ARC 103.
- ARC 107 and ARC 109, in combination, may be taken in place of ARC 110.
- Elective courses to be taken in Mathematics (Appendix A), Humanities (Appendix G), Social Sciences (Appendix C) or Natural Science (Appendix B). See page 31 of catalog.