

## Architectural Visualization Proficiency Certificate

**Description:** This certificate prepares students interested in the field of computer-assisted design technology, current workers desiring more training, and those with a background in related technical fields for careers as architectural visualization (AV) specialists. Entry-level AV specialists assist design professionals in the architecture, engineering and construction fields in translating ideas, sketches and technical information into complex three-dimensional digital models that often employ animation. Students taking this certificate will build both the technical competencies and the strong collaboration skills needed to work in today’s professional AV environments.

### Student Learning Outcomes

Upon completion of the certificate, students will be able to:

- Communicate effectively in written, oral, and graphic modes and work as part of a team
- Develop digital models utilizing computer drafting and rendering in both two and three dimensions
- Develop solutions for design and construction documentation by utilizing graphic techniques, including rendering and animation
- Interpret architectural and construction drawings and documents

**Entrance Requirements:** New students are required to take College placement tests at the time of entry. Students identified as needing developmental course work must satisfactorily complete the appropriate English and mathematics courses as part of their degree program.

### Architectural Visualization Proficiency Certificate Course Sequence:

Course Number	Course Title	Prerequisites	Credits
ADC 103	CAD Basics		3
ADC 160	Presentation Techniques	ADC 103, which may be taken concurrently	3
ADC 163	Digital Documentation in Architecture and Construction	ADC 103	3
ADC 260	Advanced Presentation Techniques	ADC 160 and ADC 209 which may be taken be taken concurrently, or ADC 163 which may be taken concurrently	3
ADC 263	Digital Animation and Rendering	ADC 103 or ART 150	3
ADC 273	Advanced CAD Applications	ADC 163	3
<b>Total Credits:</b>			<b>18</b>

**Successful Completion:** Successful completion of the program requires a “C” grade or better in each of the courses listed above.

**For More Information Contact:** The Division of Liberal Studies, Room BR-21, 1700 Spring Garden Street, Philadelphia, PA 19130, Telephone (215) 496-6164; or the College Information Center (215) 751-8010.

