

Architecture

Associate in Science Degree

Program **ARCH.AS**
CIP 049999



The Architecture transfer program parallels the first two years of education at a majority of undergraduate schools of architecture. It offers a balance of academic and design courses.

The academic courses provide students with a broad base of general knowledge which widens their outlook and increases their ability to evaluate issues and make enlightened decisions. The design courses emphasize the development of skills in architectural conceptualization and design decision-making. They include both traditional methods of architectural graphics and model building as well as use of the computer as a three-dimensional design study tool.

Together, the academic courses and design courses form the foundation needed for advancement in architectural education and, later, in professional practice. Students have the opportunity to enrich their education through participation in field trips and a variety of architecture-related extracurricular activities.

Since architecture programs vary among senior colleges and admission is highly competitive, faculty assistance is readily available to students preparing design portfolios and investigating potential transfer institutions. The architecture faculty are registered architects.

PROGRAM OUTCOMES

- Use analytical skills to determine the major elements of a work of architecture and/or an architectural design project;
- Comprehend and apply the various stages of the creative thought process to produce an architectural design;
- Understand and apply the basic principles of sustainable design;
- Use two- and three-dimensional visual communication skills (freehand, traditional, and computer-generated drawings and physical models) to convey a complete architectural idea;
- Demonstrate knowledge of the important buildings and stages in the history of architecture and the social and technological factors that influenced them;
- Critically evaluate the built environment – its relationship to the natural world and the reciprocal sociological and psychological influences on man;
- Demonstrate knowledge of architectural materials and structural systems and their appropriate applications in building construction.

Curriculum

Code	Course (lecture/lab hours)	Credits
FIRST SEMESTER		
ARC 102	Graphic Communication for Architecture (1/4)	3
ARC 121	Architecture Basic Design I (1/8)	5
ARC 125	Architecture and the Environment (3/0)	3
ENG 101	English Composition I (3/0)	3
CMN 112	Public Speaking (3/0)	3
SECOND SEMESTER		
ARC 104	Computers in Architecture (1/4)	3
ARC 123	Architecture Basic Design II (1/8)	5
CSW 100	College Success and Personal Wellness (2/0)†	2
ENG 102	English Composition II (3/0)	3
MAT 146	Pre-Calculus (4/0) ¹	4
THIRD SEMESTER		
ARC 122	History of Architecture to 1860 (3/0)	3
ARC 134	Building Construction Systems (3/0)	3
ARC 227	Architecture Design I (1/8)	5
— —	Science elective ²	4
— —	Social Science general education elective	3
FOURTH SEMESTER		
ARC 124	History and Theory of Modern Architecture (3/0)	3
ARC 228	Architecture Design II (1/8)	5
— —	Math, Science OR Technology elective ²	4
— —	General Education elective ³	3
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NOTE: Electives should be selected in consultation with an academic advisor in order to assure maximum transfer of credits.

¹ Or approved higher-level mathematics course.

² PHY 101 and 102 are highly recommended.

³ Select course from the following general education categories: Humanities, Historical Perspective, Diversity and Global Perspective.

† Some exemptions apply. Consult academic advisor for details.

Admission to the Architecture program requires a high school diploma or its equivalent with at least one year of science (biology, chemistry, or physics) and two years of algebra. Courses in the visual arts are highly recommended.

NOTE: All program listings are subject to periodic updates. Please consult your program advisor, academic division, or www.mccc.edu/programs_degree