

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Architectural Tech, Residential Design
Certificate of Achievement

Curriculum Code: 0831 (Effective Fall 2006 – Summer 2011)

This certificate program consists of practical hands-on courses that concentrate on single-family and multi-family residential design. This program provides students with the necessary technical knowledge for the design and preparation of residential working drawings, including: residential design theory, construction materials and techniques, residential interiors, presentation drawing techniques, and computer graphics.

PREREQUISITES

Students should see *Course Descriptions* or *Course Offerings* for course prerequisite information. See the *Assessment and Placement Testing* section for skills assessment and advising information.

INFORMATION

Contact the Environmental, Design and Building Technologies Department, West Campus Building, Room M103, telephone number (517) 483-5338 or Counseling and Advising Centers, Gannon Vocational-Technical Center, Room 204, telephone number (517) 483-1904.

REQUIREMENTS (See Note 1)

CODE	TITLE	TOTAL: 36 CREDITS CREDIT HOURS
ARCH110	Visual Communications I (See Note 1)	3
ARCH111	Architectural Design Fundamentals	3
ARCH112	Residential Planning	3
ARCH114	Architectural Drawing/Basic CAD	4
ARCH116	Materials of Construction	4
ARCH210	Residential Detailing	4
ARCH214	Structural Theory (See Note 1)	4
ARCH216	Residential Drawing	4
BLDT121	Residential Framing	4
BLDT281	Michigan Residential & Building Codes	3

LIMITED CHOICE REQUIREMENTS

TOTAL: 6-8 CREDITS

Complete the indicated number of credits from **EACH CHOICE** listed below.

CHOICE 1: Materials, Structures, and Systems

3-4 Credits

ARCH273	Environmental Systems	4
ARCH276	Alternative Structures	3
ARCH278	Building Science	4

CHOICE 2: Design

3-4 Credits

ARCH126	Architectural Model Building (See Note 1)	3
ARCH146	Preservation/Adaptive Use Architecture	3
INTR151	Beginning Kitchen and Bath Design (See Note 1)	4
INTR190	Interior/Materials/Equipment	3

MINIMUM TOTAL

42

NOTE:

1. This curriculum requires basic architectural drafting skills attained in ARCH100 or an equivalent high school drafting course. Students may waive ARCH100 by passing the drafting placement test with a score of 80% or higher.

SUGGESTED COURSE SEQUENCE

Students should see course descriptions to find out when departments plan to offer courses. Students who for any reason are unable to follow the course sequence suggested below (for example, those who are part-time, have transferred in courses from another school, or have prerequisites to fulfill) should contact an academic advisor or counselor for help with adjustments.

I	II	III
ARCH110	ARCH210	ARCH216
ARCH111	ARCH214	BLDT281
ARCH112	BLDT121	Lim.Ch.2
ARCH114	Lim.Ch.1	
ARCH116		