

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Architectural Technology, Residential Design
Certificate of Achievement

Curriculum Code: 0831 (Effective Fall 2009 – Summer 2014)

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 Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5510.

REQUIREMENTS (See Notes 1 and 2)

CODE	TITLE	TOTAL: 36 CREDITS CREDIT HOURS
ARCH 110	Visual Communications I (See Note 1)	3
ARCH 111	Arch Design Fundamentals	3
ARCH 112	Residential Planning	3
ARCH 114	Arch Drawing/Basic AutoCAD (See Note 2)	4
ARCH 116	Materials of Construction	4
ARCH 210	Residential Detailing	4
ARCH 214	Structural Theory	4
ARCH 216	Residential Drawing	4
BLDT 121	Residential Framing	4
BLDT 281	Mich Residential & Bldg Codes	3

LIMITED CHOICE REQUIREMENTS

TOTAL: 6-7 CREDITS

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

CHOICE 1: Materials, Structures, and Systems

3-4 Credits

ARCH 175	Special Topics in Architecture (See Note 3)	3-4
ARCH 181	Universal Design Theory	3
ARCH 273	Environmental Systems	4
ARCH 276	Alternative Construction	3
ARCH 278	Green Building Science	4

CHOICE 2: Design

3 Credits

ARCH 126	Architectural Model Building (See Note 1)	3
ARCH 146	Preservation/Adaptive Use Arch	3
INTR 151	Beginning Kitchen/Bath Design (See Note 1)	3
INTR 190	Interior/Materials/Equipment	3

MINIMUM TOTAL

42

NOTES:

1. This curriculum requires basic architectural drafting skills attained in ARCH 100 or an equivalent high school drafting course. Students may waive ARCH 100 by passing the drafting placement test with a score of 80% or higher.
2. This curriculum requires Microsoft Windows skills attained in CITF 108. Students may waive this prerequisite by passing the MS Windows Assessment Test with a score of 80% or higher.
3. Contact the Architecture Technology Program Advisor at (517) 483-1627 for courses that will satisfy this area.

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	IV
ARCH 110	ARCH 114	ARCH 210	ARCH 216
ARCH 111	ARCH 116	ARCH 214	Lim.Ch.1
ARCH 112	BLDT 121	BLDT 281	Lim.Ch.2