

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Architectural Tech, Residential Design
Certificate of Achievement

Curriculum Code: 0831 (Effective Fall 2005 – Summer 2010)

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.

REQUIREMENTS

CODE	TITLE	TOTAL: 23 CREDITS CREDIT HOURS
ARCH100	Introduction to Architecture Drawing (See Note 1)	3
ARCH101	Residential Detailing	4
ARCH102	Residential Drawing	4
ARCH111	Architectural Design Fundamentals	3
ARCH121	Visual Communication I	3
ARCH128	Residential Design	3
BLDT281	Michigan Residential & Building Codes	3

LIMITED CHOICE REQUIREMENTS

TOTAL: 16-19 CREDITS

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

CHOICE 1: Computer Graphics

7-8 Credits

ARCH221	Architectural DataCAD I	4
ARCH222	Architectural DataCAD II	4
ARCH232	Architectural AutoCAD II	4
ARCH237	Architectural Computer Rendering	3

CHOICE 2: Materials, Structures, and Systems

3-4 Credits

ARCH271	Structural Theory	4
ARCH273	Environmental Systems	4
ARCH276	Alternative Structures	3
ARCH278	Building Science	4

CHOICE 3: Design	3–4 Credits
ARCH126 Architectural Model Building	3
ARCH211 Design Studio	3
INTR151 Beginning Kitchen and Bath Design	4
INTR190 Interior/Materials/Equipment	4

CHOICE 4 Architectural Related (See Note 2) **3 Credits**

MINIMUM TOTAL **39**

NOTES:

1. Students having more than one year of high school drafting or equivalent work experience should see an advisor in the Environmental, Design and Building Technologies Department to see if ARCH100 may be waived by passing the Drafting Placement Test
2. CHOICE 4 allows for completion of courses which relate to specific career preparation for the field of residential design and have not been applied in any of the above categories. Students should consult with a program advisor for specific course options.

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
ARCH100	ARCH101	ARCH102
ARCH111	ARCH121	Lim.Ch.1
BLDT281	ARCH128	Lim.Ch.2
Lim.Ch.4	Lim.Ch.1	Lim.Ch.3