

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Architecture Technology, Sustainable Residential Design and Building Science
Certificate of Achievement

Curriculum Code: 1636 (Effective Fall 2014 – Summer 2019)

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](#) for course prerequisite information. See [Academic Assessment and Placement Testing for Student Success](#) for skills assessment and advising information.

INFORMATION

Contact the Design and Construction Technologies Department, West Campus Building, Room M103, telephone number (517) 483-5338 (Website: www.lcc.edu/design/architecture/) or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5452.

REQUIREMENTS (See Note 1)

CODE	TITLE	TOTAL: 36 CREDITS CREDIT HOURS
AEET 120	Residential Energy	3
ARCH 107	Sustainable Site Design (See Note 1)	3
ARCH 111	Arch Design Fundamentals	3
ARCH 113	Materials & Methods of Constr.	4
ARCH 125	Environmental Systems	4
ARCH 275	Sustainable Building Design	4
BLDT 121	Residential Framing	4
BLDT 123	Remodeling	4
DCTM 103	Codes and Specifications	3
DCTM 200	Construction Management I	4

LIMITED CHOICE REQUIREMENTS

TOTAL: 2-3 CREDITS

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

CHOICE 1: Business/Entrepreneurship Studies

2-3 Credits

BUSN 150	Legal Issues: Start Small Busn	2
BUSN 250	Personal Finance	3
LABR 204	Employment Law for Managers	3
MKTG 200	Principals of Marketing	3
REAL 271	Introduction to Real Estate	2

MINIMUM TOTAL

38

NOTES:

1. This curriculum requires basic architectural drafting skills attained in DCTM 101 or 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. This placement test is offered at the West Campus Student Services Center only.
2. To receive a certificate of achievement from Lansing Community College, a student must maintain a grade point average of 2.0 or above in the courses required for the certificate.

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 for help with adjustments.

I	II	III	IV
ARCH 107	BLDT 121	AEET 120	ARCH 275
ARCH 111	DCTM 103	ARCH 125	BLDT 123
ARCH 113	Lim. Ch.	DCTM 200	