

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

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

Curriculum Code: 1636 (Effective Fall 2016 – Summer 2021)

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. Students completing this certificate may use the credits towards the Associate in Applied Science Degree in Sustainable Residential Design and Building Science (1607).

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 Architecture Technology Program, 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

REQUIREMENTS		TOTAL: 35 CREDITS
CODE	TITLE	CREDIT HOURS
AEET 120	Residential Energy	3
ARCH 107	Sustainable Site Design	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 120	Structural Framing	4
DCTM 101	Drafting/Intro to CAD (See Note I)	3
DCTM 103	Codes and Specifications	3
DCTM 200	Construction Management I	4

LIMITED CHOICE REQUIREMENTS**TOTAL: 2-4 CREDITS**Complete the indicated number of credits from **EACH CHOICE** listed below.

CHOICE 1: Business/Entrepreneurship Studies		2-4 Credits
BLDT 180	Builder Pre-Licensure Prep	4
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		37

NOTES:

- Some students may have drafting skills from a previous high school drafting course or an equivalent college course. DCTM 101 may be waived by passing the architecture drafting placement test with an 80% or higher. The placement test is offered at the West Campus Student Services Center only. If students are successful in waiving DCTM 101, they will be required to take an additional elective course from Choice 2 to fulfill the minimum amount of credits for this curriculum.
- 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
ARCH 107	AEET 120	DCTM 200
ARCH 111	ARCH 125	ARCH 275
ARCH 113	BLDT 120	Lim. Ch.
DCTM 101	DCTM 103	