

# LANSING COMMUNITY COLLEGE

## CURRICULUM GUIDE

Architecture Technology  
Associate in Applied Science Degree

Curriculum Code: 1455 (Effective Fall 2015 – Summer 2020)

The Architecture Technology Degree is designed to prepare students to work in entry-level positions assisting in architecture or allied disciplines such as engineering, interior design, real estate development, and construction. This curriculum is also designed for students wishing to obtain credentials to become a licensed architect by transferring to accredited university programs or for those interested in transferring to obtain a baccalaureate degree in architecture, interior architecture, or any non-licensed profession related to the built environment. The curriculum provides graduates with a broad foundation of technical abilities with an emphasis on job entry skill development, computer aided design, design creativity and awareness, and problem solving. **Not all courses in this program transfer to all colleges.** Students planning to transfer should see an academic advisor before enrolling in any course.

### 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 & Construction Technologies Program, West Campus Building, Room M103, telephone number (517) 483-5338 (Website: <http://www.lcc.edu/design/architecture/>) or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5452.

### REQUIREMENTS (See Notes 1 and 2 and 3)

**TOTAL: 51 CREDITS**

CODE	TITLE	CREDIT HOURS
ARCH 105	Architecture Appreciation	2
ARCH 110	Visual Communications I (See Note 2)	3
ARCH 114	Arch Drawing/Basic AutoCAD (See Notes 2)	4
ARCH 120	Visual Communications II	3
ARCH 126	Architecture Model Building (See Note 2)	3
ARCH 141	History of Architecture I	3
ARCH 142	History of Architecture II	3
ARCH 233	Revit Architecture BIM	4
ARTS 102	Design & Communication	3

MATH 122	Precalculus II (See Note 3)	4
MATH 151	Calculus I	4
PHYS 221	Introductory Physics I (See Note 3)	4
PHYS 222	Introductory Physics II	4
WRIT 121	Composition I	4
WRIT 127	Business Writing	3

**LIMITED CHOICE REQUIREMENTS**

**TOTAL: 20–25 CREDITS**

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

**CHOICE 1: [General Education Core Areas](#) 0 Credits**

(Click the link above for information on how to fulfill these requirements. Core area proficiency exams, where appropriate, are available for each core area.)

Communication Core Area (See Note 4)	0
Global Perspectives and Diversity Core Area (See Note 5)	0
Mathematics Core Area (See Note 4)	0
Science Core Area (See Note 4)	0
Writing Core Area (See Note 4)	0

**CHOICE 2: Humanities 8 Credits**

ARTS 211	Art History to the Renaissance	4
ARTS 212	Art Hist from the Renaissance	4
ENGL 211	World Literature I	4
ENGL 212	World Literature II	4
HUMS 160	Mythology	4
MUSC 240	Musical Cultures to 1750	4
MUSC 241	Musical Cultures 1750–Present	4
PHIL 211	Philosophy: Ancient & Medieval	4

**CHOICE 3: Social Science 6–8 Credits**

HUMS 213	World Civilizations to 1600	4
HUMS 214	World Civilizations from 1600	4
PHIL 212	Philosophy: Modern & Contemporary	4
POLS 260	Comparative Political Systems	3
POLS 270	International Relations	3
SOCL 120	Introduction to Sociology	4
SOCL 260	Race and Ethnicity	3

**CHOICE 4: Area of Emphasis – Architecture 6–9 Credits**

ARCH 107	Sustainable Site Design (See Note 2)	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
CIVL 241	Statics/Strength of Materials	4
DCTM 101	Drafting/Intro to CAD	3
DCTM 103	Codes and Specifications	3
<b>MINIMUM TOTAL</b>		<b>71</b>

#### NOTES:

1. It is highly recommended that students work with an advisor before beginning this curriculum which assumes high level math placement.
2. Basic architecture drafting skills are necessary to begin this curriculum and may be demonstrated by a score of 80% or better on the Architecture Drafting Placement Test (offered only at the West Campus Assessment Center) or by passing DCTM 101 (previously ARCH 100) with a 2.0 minimum grade. If you do not have prior drafting experience or did not pass the Architecture Drafting Placement Test, you must take DCTM 101 Drafting/Intro to CAD that is listed under Choice 4: Area of Emphasis – Architecture heading as one of your choice options.
3. Students need a Math Level 7 for MATH 122 and a Math Level 9 for PHYS 221. Math levels can be established by placement test or by completing MATH coursework as indicated in each course prerequisite.
4. Students completing “REQUIREMENTS” have fulfilled the requirements for this Core area.
5. Students completing “CHOICE 2 and 3” have fulfilled the requirements for this Core area.
6. **Lawrence Technological University Transfer** – To complete the first two years of the 2+2 agreement with Lawrence Technological University (LTU) for a Bachelor of Science in Architecture or Interior Architecture, students should complete LTU course ARC 2116 – Integrated Design 1 (6 LTU Credits) at LTU in the summer semester after completion of the prerequisites for this course (ARCH 110, ARCH 120, ARCH 126, and ARTS 102). Students will be dual enrolled at this time with LCC and LTU. In summer semester after the second year of study, students will take the ARC 2126 – Integrated Design 2 course at LTU (6 LTU credits) to complete sophomore level degree requirements. Students interested in transfer are strongly encouraged to contact an advisor in the Architecture Technology Program for help with transfer requirements (see the Information section above)

#### 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.

<b>I-Fall</b>	<b>II-Spring</b>	<b>III-Summer</b>	<b>IV-Fall</b>
ARCH 105	ARCH 114	Lim.Ch.2	ARCH 141
ARCH 110	ARCH 120	Lim.Ch.3	ARCH 233
ARTS 102	ARCH 126	LTU Course	PHYS 221
MATH 122	WRIT 121		WRIT 127
Lim.Ch.4			

<b>V-Spring</b>	<b>VI-Summer</b>
ARCH 142	Lim.Ch.2
PHYS 222	Lim.Ch.3
MATH 151	LTU Course
Lim.Ch.4	

**Lawrence Technological University 2+2 Students**

- ARC 2116      Integrated Design Studio I
- ARC 2126      Integrated Design Studio II