

# LANSING COMMUNITY COLLEGE

## CURRICULUM GUIDE

Architecture Technology  
Associate in Applied Science Degree

Curriculum Code: 1455 (Effective Fall 2009 – Summer 2014)

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 or counselor before enrolling in any course.

### 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 and 3)

**TOTAL: 50 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 Note 3)	4
ARCH 120	Visual Communications II	3
ARCH 126	Architectural Model Building	3
ARCH 141	History of Architecture I	3
ARCH 142	History of Architecture II	3
ARCH 233	Revit Architecture BIM	3
ARTS 102	Design & Communication	3
MATH 122	Precalculus II (See Note 4)	4
MATH 151	Calculus I	4
PHYS 221	Introductory Physics I (See Note 4)	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**(See *General Education Core Requirements* 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 5)	0
Global Perspectives and Diversity Core Area (See Note 6)	0
Mathematics Core Area (See Note 5)	0
Science Core Area (See Note 5)	0
Writing Core Area (See Note 5)	0

**CHOICE 2: Humanities****8 Credits**

ENGL 211	World Literature I	4
ENGL 212	World Literature II	4
HUMS 160	Mythology	4
HUMS 211	Art History to the Renaissance	4
HUMS 212	Art Hist from the Renaissance	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 111	Arch Design Fundamentals	3
ARCH 146	Preservation/Adaptive Use Arch	3
ARCH 175	Special Topics in Architecture (See Note 7)	3
ARCH 181	Universal Design Theory	3
ARCH 182	Applied Universal Design	3
ARCH 211	Design Studio	3
ARCH 214	Structural Theory	4
ARCH 232	AutoCAD Architecture	4
ARCH 276	Alternative Construction	3
ARCH 278	Green Building Science	4
BLDT 277	Construction Cost Estimating	4
BLDT 281	Michigan Residential & Bldg Codes	3

**MINIMUM TOTAL****70**

**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 or by passing ARCH 100 with a 2.0 minimum grade.
3. This curriculum requires Microsoft Windows skills attained in METD 105 or CITF 108. Students may waive this prerequisite by passing MS Windows Assessment Test with a score of 80% or higher.
4. 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.
5. Students completing "REQUIREMENTS" have fulfilled the requirements for this Core area.
6. Students completing "CHOICE 2" have fulfilled the requirements for this Core area.
7. Contact the Architecture Technology Program Advisor at (517) 483-1627 for courses that will satisfy this area.
8. **Lawrence Technological University Transfer** – To complete the first two years of a 2 + 2 agreement with Lawrence Technological University (LTU) for a Bachelor of Science in Architecture or Interior Architecture, students intending to transfer must be enrolled with both LCC and LTU. Additionally, the following two LTU courses must be completed at the designated LTU site during the second year of study: ARC 2117 – Integrated Design Studio (7 LTU Credits) and ARC 2126 – Integrated Design Studio II (6 LTU Credits).

**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 105	ARCH 114	PHYS 221	ARCH 141
ARCH 110	ARCH 120	Lim.Ch.2	ARCH 233
ARTS 102	ARCH 126	Lim.Ch.3	PHYS 222
MATH 122	MATH 151		WRIT 127
Lim.Ch.2	WRIT 121		Lim.Ch.4
<b>V</b>			
ARCH 142			
Lim.Ch.3			
Lim.Ch.4			

**Lawrence Technological University 2+2 Students**

ARC 2117    Integrated Design Studio I  
 ARC 2126    Integrated Design Studio II