

LANSING COMMUNITY COLLEGE

Computer, Engineering/Manufacturing Industrial Technologies

**Curriculum Code: 1455
(Effective Fall 2018 –
Summer 2023)**

Architecture Technology A.A.S. Pathway

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. 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.

For More Information

Contact the Architecture Technology Program at the West Campus Building, Room M103, telephone number (517) 483-5338 or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5452.

Semester I Fall	Course Title	Prerequisites	Credit/Billing Hours
Math Core Area - <i>Select 1</i>			
MATH 122	Precalculus II	(Minimum 2.0 in MATH 121 within 2 years or Math Level 7 within 2 years) and Reading Level 5 and Writing Level 4	4 / 4
Communication Core Area - <i>Select 1</i>			
ARTS 102	Design & Communication	Reading Level 5 and Writing Level 6 or (Reading Level 4 and Writing Level 4 and ENGL 099 concurrently)	3 / 4
Program of Study Requirements			
ARCH 105	Architecture Appreciation	Reading Level 4 and Writing Level 4	2 / 2
ARCH 110	Visual Communications I	Minimum 2.0 in ((DCTM 101 or concurrently) or Architectural Drafting Placement Test 80%) and Reading Level 4 and Writing Level 4 and (Math Level 3 or MATH 105 or MATH 106)	3 / 4

Area of Emphasis - <i>Select 1</i>			
ARCH 107	Sustainable Site Design	Minimum 2.0 in ((DCTM 101 or concurrently) or Architectural Drafting Placement Test 80%) and Reading Level 4 and Writing Level 4 and (Math Level 4 or MATH 105 or MATH 106)	3 / 4
ARCH 111	Arch Design Fundamentals	Reading Level 4 and Writing Level 4	3 / 4
ARCH 113	Materials & Methods of Constr.	Minimum 2.0 in (DCTM 102 or ELTE 102 or HVAC 102 or METS 102 or WELD 102 or concurrently) and Reading Level 4 and Writing Level 4	4 / 6
ARCH 125	Environmental Systems	Reading Level 4 and Writing Level 4 and (Math Level 4 or MATH 105 or MATH 106)	4 / 4
ARCH 275	Sustainable Building Design	Department Approval	4 / 6
BLDT 120	Structural Framing	Minimum 2.0 in (DCTM 102 or ELTE 102 or HVAC 102 or METS 102 or WELD 102 or concurrently) and Reading Level 4 and Writing Level 4 and (Math Level 4 or MATH 105 or MATH 106)	4 / 6
CIVL 241	Statics/Strength of Materials	Minimum 2.0 in MATH 114 or Math Level 5	4 / 5
DCTM 101	Drafting/Intro to CAD	Reading Level 4 and Writing Level 4 and (Math Level 4 or MATH 105 or MATH 106)	3 / 4
DCTM 103	Codes and Specifications	Reading Level 4 and Writing Level 4 and (Math Level 4 or MATH 105 or MATH 106)	3 / 3
Credits			15-16 / 17-20

Semester II Spring	Course Title	Prerequisites	Credit/Billing Hours
Writing Core Area - <i>Select 1</i>			
ENGL 121	Composition I	Reading Level 5 and Writing Level 6 or (Reading Level 4 and Writing Level 4 and ENGL 099 concurrently)	4 / 4
Program of Study Requirements			
ARCH 114	Architectural Drawing/CAD I	Minimum 2.0 in ((DCTM 101 or concurrently) or Architectural Drafting Test 80%) and Reading Level 4 and Writing Level 4 and (Math Level 4 or MATH 105 or MATH 106)	4 / 6
ARCH 120	Visual Communications II	Minimum 2.0 in ARCH 110 and Reading Level 4 and Writing Level 4 and (Math Level 4 or MATH 105 or MATH 106)	3 / 4
ARCH 126	Architecture Model Building	Minimum 2.0 in (DCTM 101 or Architectural Drafting Placement Test 80%) and Reading Level 4 and Writing Level 4 and (Math Level 4 or MATH 105 or MATH 106)	3 / 4
Credits			14 / 18
Semester III Summer	Course Title	Prerequisites	Credit/Billing Hours
Global Perspectives and Diversity Core - <i>Select 1</i>			
HUMS 160	Mythology	Reading Level 5 and Writing Level 6	4 / 4
HUMS 211	Art History to the Renaissance	Reading Level 5 and Writing Level 6	4 / 4
HUMS 212	Art Hist from the Renaissance	Reading Level 5 and Writing Level 6	4 / 4
Credits			4 / 4

Semester IV Fall	Course Title	Prerequisites	Credit/Billing Hours
Science Core - <i>Select 1</i>			
PHYS 221	Introductory Physics I	Reading Level 5 and Writing Level 6 and (Math Level 9 or minimum 2.0 in MATH 122 or MATH 141)	4 / 6
Program of Study Requirements			
ARCH 141	History of Architecture I	Reading Level 5 and Writing Level 6	3 / 3
ARCH 233	Revit Architecture BIM I	Reading Level 4 and Writing Level 4 and (Math Level 4 or MATH 105 or MATH 106)	4 / 6
ENGL 127	Business Writing	Reading Level 5 and Writing Level 6 or (Reading Level 4 and Writing Level 4 and ENGL 099 concurrently)	3 / 3
Credits			14 / 18
Semester V Spring	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
ARCH 142	History of Architecture II	Reading Level 5 and Writing Level 6	3 / 3
MATH 151	Calculus I	(Minimum 2.0 in MATH 122 or MATH 126 within 2 years or Math Level 9 within 2 years) and Reading Level 5 and Writing Level 6	4 / 4
PHYS 222	Introductory Physics II	Minimum 2.0 in (PHYS 221 or Department Approval) and Reading Level 5 and Writing Level 6	4 / 6

Area of Emphasis - *Select 2*

Courses may not be duplicated

ARCH 107	Sustainable Site Design	Minimum 2.0 in ((DCTM 101 or concurrently) or Architectural Drafting Placement Test 80%) and Reading Level 4 and Writing Level 4 and (Math Level 4 or MATH 105 or MATH 106)	3 / 4
ARCH 111	Arch Design Fundamentals	Reading Level 4 and Writing Level 4	3 / 4
ARCH 113	Materials & Methods of Constr.	Minimum 2.0 in (DCTM 102 or ELTE 102 or HVAC 102 or METS 102 or WELD 102 or concurrently) and Reading Level 4 and Writing Level 4	4 / 6
ARCH 125	Environmental Systems	Reading Level 4 and Writing Level 4 and (Math Level 4 or MATH 105 or MATH 106)	4 / 4
ARCH 275	Sustainable Building Design	Department Approval	4 / 6
BLDT 120	Structural Framing	Minimum 2.0 in (DCTM 102 or ELTE 102 or HVAC 102 or METS 102 or WELD 102 or concurrently) and Reading Level 4 and Writing Level 4 and (Math Level 4 or MATH 105 or MATH 106)	4 / 6
CIVL 241	Statics/Strength of Materials	Minimum 2.0 in MATH 114 or Math Level 5	4 / 5
DCTM 101	Drafting/Intro to CAD	Reading Level 4 and Writing Level 4 and (Math Level 4 or MATH 105 or MATH 106)	3 / 4
DCTM 103	Codes and Specifications	Reading Level 4 and Writing Level 4 and (Math Level 4 or MATH 105 or MATH 106)	3 / 3
Credits			17-19 / 21-25
Total Credits			64-67 / 78-85