

LANSING COMMUNITY COLLEGE

Computer, Engineering/Manufacturing Industrial Technologies

Curriculum Code: 1809
 (Effective Fall 2018 –
 Summer 2023)

Architecture Technologist A.A.S. Pathway

The Architectural Technologist degree is designed to provide students with the skills to work in an entry-level position in the office of architects, engineers, and related professions. This program focuses on the varied day-to-day job responsibilities of an architectural staff member, including training in industry-standard software, construction methods, materials and practices, codes, graphic communication methods, and exposure to both residential and commercial building planning and design. In addition to gaining valuable employability skills in the classroom, the curriculum includes real-world experience via a workplace internship, giving the student a valuable “first job” in the profession of architecture.

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	Course Title	Prerequisites	Credit/Billing Hours
Writing Core Area - <i>Select 1</i>			
ENGL 124	Technical Writing	Reading Level 5 and Writing Level 6 or (Reading Level 4 and Writing Level 4 and ENGL 099 concurrently)	3 / 3
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
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 4 or minimum 2.0 in MATH 105 or MATH 106)	3 / 4
ARCH 114	Architectural Drawing/Basic CAD	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 minimum 2.0 in MATH 105 or MATH 106)	4 / 6
DCTM 101	Drafting/Intro to CAD	Reading Level 4 and Writing Level 4 and (Math Level 4 or minimum 2.0 in MATH 105 or MATH 106)	3 / 4
Credits			15 / 19

Semester II	Course Title	Prerequisites	Credit/Billing Hours
Math Core Area - <i>Select 1</i>			
MATH 115	Technical Mathematics	(Minimum 2.0 in MATH 114 within 2 years or Math Level 5 within 2 years) and Reading Level 5	4 / 4
Program of Study Requirements			
ARCH 118	Architecture Design and Planning	Minimum 2.0 in (ARCH 110 and ARCH 114) and Reading Level 4 and Writing Level 4 and Math Level 4	4 / 6
ARCH 124	Architectural Drawing/CAD II	Minimum 2.0 in ARCH 114 and Reading Level 5 and Writing Level 6 and Math Level 5	4 / 6
DCTM 103	Codes and Specifications	Reading Level 4 and Writing Level 4 and (Math Level 4 or minimum 2.0 in MATH 105 or MATH 106)	3 / 3
Credits			15 / 19
Semester III	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
<i>Students who have already completed ELTE 102, HVAC 102, METS 102 or WELD 102 with a grade of 2.0 or higher may substitute one of these courses for DCTM 102. Any of these courses may also be used to fulfill the prerequisite for ARCH 113.</i>			
ARCH 113	Materials and Methods of Construction	Minimum 2.0 in DCTM 102 or concurrently and Reading Level 4 and Writing Level 4	4 / 6
ARCH 146	Preservation Adaptive Use	Minimum 2.0 in (ARCH 110 or concurrently) and Reading Level 4 and Writing Level 4 and (Math Level 4 or minimum 2.0 in MATH 105 or MATH 106)	3 / 4
ARCH 218	Commercial Arch Planning	Min. 2.0 in ARCH 114 and Reading Level 4 and Writing Level 4 and Math Level 4	4 / 6
ARCH 233	Revit Architecture BIM	Reading Level 4 and Writing Level 4 and (Math Level 4 or minimum 2.0 in MATH 105 or MATH 106)	4 / 6
DCTM 102	Industrial/Construction Safety	Reading Level 3 and Writing Level 2	2 / 3
Credits			17 / 25

Semester IV	Course Title	Prerequisites	Credit/Billing Hours
Science Core Area - <i>Select 1</i>			
PHYS 120	The Art of Physics	Reading Level 5 and Writing Level 6 and (Math Level 5 or minimum 2.0 in MATH 105 or MATH 106)	4 / 5
Global Perspectives and Diversity Core Area - <i>Select 1</i>			
COMM 280	Intercultural Communication	Reading Level 5 and Writing Level 6	3 / 3
HUMS 214	World Civ. From 1600	Reading Level 5 and Writing Level 6	4 / 4
MGMT 234	Diversity in the Workplace	Reading Level 5 and Writing Level 6	3 / 3
SOCL 120	Introduction to Sociology	Reading Level 5 or (Reading Level 4 and ENGL 099 concurrently)	4 / 4
Program of Study Requirements			
ARCH 220	Commercial Arch Drawing	Minimum 2.0 in ARCH 218 and Reading Level 4 and Writing Level 4 and Math Level 4	4 / 6
ARCH 243	Revit Architecture BIM II	Minimum 2.0 in ARCH 233 and Reading Level 5 and Writing Level 6 and Math Level 5	4 / 6
Credits			15-16 / 20-21
Semester V	Course Title	Prerequisites	Credit/Billing Hours
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 / 3
COMM 110	Oral Comm in Workplace	Reading Level 5 and Writing Level 6 or (Reading Level 4 and Writing Level 4 and ENGL 099 concurrently)	3 / 3
COMM 120	Dynamics of Communication	Reading Level 5 and Writing Level 6	3 / 3
COMM 140	Interpersonal Communication	Reading Level 5 and Writing Level 6	3 / 3
Program of Study Requirements			
ARCH 290	Architectural Internship	Department Approval	3 / 3
Credits			6 / 6
Total Credits			68-69 / 89-90