

LANSING COMMUNITY COLLEGE			
Computer, Engineering/Manufacturing Industrial Technologies			
Curriculum Code: 1455 (Effective Fall 2017 – Summer 2022)	Architecture Technology A.A.S. Pathway		
Semester I	Course Title	Prerequisites	Credit/ Billing Hours
<b>Math Core Area - <i>Select 1</i></b>			
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
<b>Communication Core Area - <i>Select 1</i></b>			
ARTS 102	Design & Communication	(Reading Level 5 or READ 170 concurrently or AASD 105 concurrently) and Writing Level 6	3 / 4
<b>Program of Study Requirements</b>			
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 ARCH 100 or Architectural Drafting Placement Test 80%) and Reading Level 4 and Writing Level 4 and Math Level 3	3 / 4

<b>Area of Emphasis - <i>Select 1</i></b>			
ARCH 107	Sustainable Site Design	Minimum 2.0 in ((DCTM 101 or concurrently) or (ARCH 100 or Architectural Drafting Placement Test 80%)) and Reading Level 4 and Writing Level 4 and Math Level 4	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	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	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	3 / 4
DCTM 103	Codes and Specifications	Reading Level 4 and Writing Level 4 and Math Level 4	3 / 3
<b>Credits</b>			<b>15-16 / 17-20</b>
<b>Semester II</b>	<b>Course Title</b>	<b>Prerequisites</b>	<b>Credit/Billing Hours</b>
<b>Writing Core Area - <i>Select 1</i></b>			
ENGL 121 (formerly WRIT 121)	Composition I	Reading Level 5 and Writing Level 6	4 / 4

<b>Program of Study Requirements</b>			
ARCH 114	Arch Drawing/Basic AutoCAD	Minimum 2.0 in ((DCTM 101 or concurrently) or ARCH 100 or Architectural Drafting Test 80%) and Reading Level 4 and Writing Level 4 and Math Level 4	4 / 6
ARCH 120	Visual Communications II	Minimum 2.0 in ARCH 110 and Reading Level 4 and Writing Level 4 and Math Level 3	3 / 4
ARCH 126	Architecture Model Building	Minimum 2.0 in (DCTM 101 or ARCH 100 or Architectural Drafting Placement Test 80%) and Reading Level 4 and Writing Level 4 and Math Level 3	3 / 4
<b>Credits</b>			<b>14 / 18</b>
<b>Semester III</b>	<b>Course Title</b>	<b>Prerequisites</b>	<b>Credit/ Billing Hours</b>
<b>Global Perspectives and Diversity Core - <i>Select 1</i></b>			
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
<b>Credits</b>			<b>4 / 4</b>
<b>Semester IV</b>	<b>Course Title</b>	<b>Prerequisites</b>	<b>Credit/Billing Hours</b>
<b>Program of Study Requirements</b>			
ARCH 141	History of Architecture I	Reading Level 5 and Writing Level 6	3 / 3
ARCH 233	Revit Architecture BIM	Reading Level 4 and Writing Level 4 and Math Level 4	4 / 6
ENGL 127	Business Writing	(Reading Level 5 and Writing Level 6) or AASD 105 concurrently	3 / 3

<b>Science Core - <i>Select 1</i></b>			
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
<b>Credits</b>			<b>14 / 18</b>
<b>Semester V</b>	<b>Course Title</b>	<b>Prerequisites</b>	<b>Credit/ Billing Hours</b>
<b>Program of Study Requirements</b>			
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 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

<b>Area of Emphasis - <i>Select 1</i></b> <i>Courses may not be duplicated</i>			
ARCH 107	Sustainable Site Design	Minimum 2.0 in ((DCTM 101 or concurrently) or (ARCH 100 or Architectural Drafting Placement Test 80%)) and Reading Level 4 and Writing Level 4 and Math Level 4	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	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	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	3 / 4
DCTM 103	Codes and Specifications	Reading Level 4 and Writing Level 4 and Math Level 4	3 / 3
<b>Credits</b>			<b>14-15 / 17-19</b>

Semester VI	Course Title	Prerequisites	Credit/Billing Hours
<b>Area of Emphasis - <i>Select 1</i></b> <i>Courses may not be duplicated</i>			
ARCH 107	Sustainable Site Design	Minimum 2.0 in ((DCTM 101 or concurrently) or (ARCH 100 or Architectural Drafting Placement Test 80%)) and Reading Level 4 and Writing Level 4 and Math Level 4	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	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	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	3 / 4
DCTM 102	Industrial/Construction Safety	Reading Level 3 and Writing Level 2	2 / 3
DCTM 103	Codes and Specifications	Reading Level 4 and Writing Level 4 and Math Level 4	3 / 3
<b>Credits</b>			<b>2-4 / 3-6</b>
<b>Total Credits</b>			<b>63-67 / 77-85</b>