

LANSING COMMUNITY COLLEGE			
Computer, Engineering/Manufacturing Industrial Technologies			
Curriculum Code: 1607 (Effective Fall 2017 – Summer 2022)	Architecture Technology, Sustainable Residential Design and Building Science A.A.S. Pathway		
Semester I	Course Title	Prerequisites	Credit/ Billing Hours
Program of Study Requirements			
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
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
<b>Credits</b>			<b>15 / 21</b>

Semester II	Course Title	Prerequisites	Credit/ Billing Hours
<b>Program of Study Requirements</b>			
ARCH 125	Environmental Systems	Reading Level 4 and Writing Level 4 and Math Level 4	4 / 4
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
DCTM 100	Intro to the Built Environment	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 / 17</b>

Semester III	Course Title	Prerequisites	Credit/ Billing Hours
<b>Writing Core Area - <i>Select 1</i></b>			
ENGL 127 <i>(formerly WRIT 127)</i>	Business Writing	(Reading Level 5 and Writing Level 6) or AASD 105 concurrently	3 / 3
<b>Communication Core Area - <i>Select 1</i></b>			
COMM 110 <i>(formerly SPCH 110)</i>	Oral Comm in the Workplace	(Reading Level 5 and Writing Level 6) or AASD 104 concurrently	3 / 3
COMM 120 <i>(formerly SPCH 120)</i>	Dynamics of Communication	Reading Level 5 and Writing Level 6	3 / 3
COMM 130 <i>(formerly SPCH 130)</i>	Fund of Public Speaking	Reading Level 5 and Writing Level 6	3 / 3

<b>Business/Entrepreneurship Electives - <i>Select 1</i></b> <i>Courses may not be duplicated</i>			
BLDT 180	Builders Pre-Licensure Prep	Reading Level 4 and Writing Level 4 and Math Level 4	4 / 4
BUSN 118	Introduction to Business	(Reading Level 5 and Writing Level 4) or AASD 105 concurrently	3 / 3
BUSN 150	Legal Issues: Start Small Busn	Reading Level 5 and Writing Level 4	2 / 2
BUSN 160	Starting a Business	Reading Level 5 and Writing Level 4 and Math Level 4	4 / 4
BUSN 250	Personal Finance	Reading Level 5 and Writing Level 4 and Math Level 5	3 / 3
<b>Credits</b>			<b>8-10 / 8-10</b>

<b>Semester IV</b>	<b>Course Title</b>	<b>Prerequisites</b>	<b>Credit/ Billing Hours</b>
<b>Math Core Area - <i>Select 1</i></b>			
MATH 115	Technical Math II	(Minimum 2.0 in MATH 114 within 2 years or Math Level 5 within 2 years) and Reading Level 5	4 / 4
<b>Program of Study Requirements</b>			
AEET 120	Residential Energy	Reading Level 3 and Writing Level 4 and Math Level 4	3 / 4
ARCH 275	Sustainable Building Design	Department Approval	4 / 6
DCTM 200	Construction Management I	Reading Level 5 and Writing Level 6	4 / 6
<b>Credits</b>			<b>15 / 20</b>

Semester V	Course Title	Prerequisites	Credit/Billing Hours
<b>Global Perspectives and Diversity Core Area - <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>Science - <i>Select 1</i></b>			
BIOL 120	Environmental Science	(Reading Level 5 or AASD 105 concurrently) and Writing Level 6	4 / 6
PHYS 120	The Art of Physics	Reading Level 5 and Writing Level 6 and (Math Level 5 or MATH 107 concurrently or MATH 109 concurrently)	4 / 5
PHYS 200	Intro Physics With Application	Reading Level 5 and Writing Level 6 and Math Level 5	4 / 5
<b>Program of Study Requirements</b>			
CIVL 241	Statics/Strength of Materials	Minimum 2.0 in MATH 114 or Math Level 5	4 / 5
<b>Business/Entrepreneurship Electives - <i>Select 1</i></b> <i>Courses may not be duplicated</i>			
BLDT 180	Builders Pre-Licensure Prep	Reading Level 4 and Writing Level 4 and Math Level 4	4 / 4
BUSN 118	Introduction to Business	(Reading Level 5 and Writing Level 4) or AASD 105 concurrently	3 / 3
BUSN 160	Starting a Business	Reading Level 5 and Writing Level 4 and Math Level 4	4 / 4
BUSN 250	Personal Finance	Reading Level 5 and Writing Level 4 and Math Level 5	3 / 3
<b>Credits</b>			<b>15-16 / 17-19</b>
<b>Total Credits</b>			<b>67-70 / 83-87</b>