

**LAWRENCE TECHNOLOGICAL UNIVERSITY  
ARTICULATION GUIDE**

**Grand Rapids Community College (GRCC) – Architecture  
LTU – Master of Architecture  
Based on GRCC 2020-2021 Catalog and LTU 2020-2021 Catalog**

**GRCC Courses:**

**Transfer to LTU as:**

<b>Degree Requirements</b>	
<b>English Requirements .....(6 credits)</b> EN 101 English Composition I <i>OR</i> EN 102 English Composition II.....3 COM 131 Fundamentals of Public Speaking OR COM 135 Interpersonal Communication.....3	<b>English Requirements ..... (6 credits)</b> COM 1103 College Composition ..... 3 COM 2103 Tech and Prof Comm.....3
<b>Fine Arts/Humanities .....(6 credits)</b> <i>Select 2 course from the following:</i> <b>EN 233, 235, 270, 252, 261, 262, 271, 272 HU</b> 205, 274.....6	<b>Fine Arts/Humanities ..... (6 credits)</b> LLT 1213 World Masterpieces 1 ..... 3 LLT 1223 World Masterpieces 2 ..... 3
<b>Social Sciences .....(6-8 credits)</b> <i>Select 2 courses from the following:</i> AN 201, 205, 210, 280 HS 101, 102, 120, 121, 160, 161, 251, 290 GE 135, 253, 281 PS 110, 200, 201, 202, 215 SO 251, 254 PY 201.....6-8	<b>Social Sciences ..... (6 credits)</b> SSC 2413 Foundations of American Experience ..... 3 SSC 2423 Development of American Experience ..... 3
<b>Mathematics/Science .....(14-16 credits)</b> MA 131 Precalculus.....5 <b>OR</b> MA 110 College Algebra + MA 108 Trig.....7 MA 129 Survey of Calculus.....5 <b>OR</b> MA 133 Calculus with Analytic Geometry 1.....5 PHY 125 College Physics I.....4	<b>Mathematics/Science.....(12 credits)</b> MCS 1074 Precalculus ..... 4  MCS 1414 Calculus 1 .....4 PHY 2213+PHY 2221 College Physics + Lab 1.....4
<b>Design/Visualization**.....(12 credits)</b> AR 119 Intro to Architectural CAD <b>AND</b> AR 201 Architectural Graphics.....3 AR 129 Architectural 3D CAD <b>AND</b> AR 202 Architectural Graphics II.....3 AT 130 2D Design I.....3 AT 150 3D Design.....3	<b>Design/Visualization**.....(12 credits)</b> ARC 1213 Intro to Visual Communication .....3  ARC 1223 Visual Communication.....3 DES 1213 Design Principles.....3 DES 1223 Design Methodologies.....3
<b>Theory/History.....(2 credits)</b> AR 111 Orientation to Architecture.....2	<b>Theory/History.....(2 credits)</b> DES 1022 Introduction to Design.....2
<b>Construction Systems.....(13 credits)</b> AR 218 Sustainable Residential Design.....3 <b>AND</b> AR 105 Construction Materials I.....3  AR 120 Arch Working Drawings.....3 <b>AND</b> AR 106 Construction Materials II.....4	<b>Construction Systems.....(6 credits)</b> ARC 2313 Construction Systems 1.....3  ARC 2323 Construction Systems 2.....3
<b>Additional Courses.....(6 credits)</b> AT 105 History of Art Before 1400.....3 AT 106 History of Art Since 1400.....3	<b>Electives.....(6 credits)</b> ARC/ART/ARI_3.....3 ARC/ART/ARI_3.....3
<b>Total.....65-69</b>	<b>Total.....56</b>

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\*\* Students requesting transfer credit for design coursework are required to submit a design portfolio to demonstrate that their work meets the learning objectives for these courses.

**GRCC – Architecture  
LTU – Master of Architecture  
Based on St. Clair 2020-2021 Catalog and LTU 2020-2021 Catalog**

**Transfer to LTU as:**

	<p><b><u>Completion of the Architecture Degree at LTU:</u></b></p> <p>PSC 1143 Env Science &amp; Sustainability.....3          ARC 2513 Basic Structures.....3          ARC 2116 Integrative Design Studio 1.....6          ARC 2126 Integrative Design Studio 2.....6          ARC 2813 Information Modeling and Simulation.....3          ARC 3116 Integrated Design Studio 3.....6          ARC 3126 Integrated Design Studio 4.....6          ARC 3423 HVAC &amp; Water Systems.....3          ARC 3513 Intermediate Structures.....3          ARC 3613 History of the Design Env. 1.....3          ARC 3623 History of the Design Env. 2.....3          ARC 3823 Prototyping and Fabrication.....3          ARC 4116 Integrated Design Studio 5.....6          ARC 4126 Comp Design.....6          ARC 4183 20<sup>th</sup> Century Architecture.....3          ARC 4443 Acoustical, Elect. &amp; Illum. Sys.....3          ARC 4543 Advanced Structures.....3          ARC 5013 Research Methods.....3          ARC 5423 Ecological Issues.....3          ARC 5643 Design Theory.....3          ARC 5804 Critical Practice Studio.....4          ARC 5814 Adv Des Stu I OR ARC 6514 Thesis I.....4          ARC 5824 Adv Des Stu 2 or ARC 6524 Thesis II.....4          ARC 5913 Professional Practice.....3          ARC 6833 Practice Portfolio.....3          ARC/ART/ART/ATD Elective.....2          ARC 5/6XXX2 Graduate Arch Electives.....6          Non-Arch Elective 5/6XX2/3.....3          LLT/SSC/PSY 3/4XXX4 JR/SR Level Elective.....3          DES 4112 Design Leadership and Entrepreneurship.....2</p> <p><b>Total.....112</b></p>
	<p><b>Maximum Transferable St. Clair Credits ..... 56</b>  <b>Minimum Credits at LTU ..... 112</b>          **Minimum credits to Graduate 169**</p>