

**LAWRENCE TECHNOLOGICAL UNIVERSITY  
ARTICULATION GUIDE**

**Durham College – Architecture  
LTU – Bachelor of Science in Architecture  
Based on Durham 2021-2022 Catalog and LTU 2021-2022 Catalog**

**Durham College Courses:**

**Transfer to LTU as:**

<b>Degree Requirements</b>	
<p><b>English Requirements</b> TECH 1130 Technical Report Writing for Science + CARR 2130 Career Development &amp; Planning</p> <p><b>Mathematics</b> Math 1131 Mathematics 1 for Technology ATAM 2135 Applied Mathematics for Architecture</p> <p><b>Humanities/Social Science</b> GNED 1201 Literature</p> <p><b>Design/Visualization**</b> ATAD 1131 Architectural Drafting and Detailing I + ATAC 1132 Architectural CADD I + PORT 5304 Presentation and Portfolio Development</p> <p>ATAD 4133 Architectural Drafting and Detailing IV + ATAC 2132 Architectural CADD II</p> <p>EMDC 3000 Des. Concepts for Sustainable Build I + EMDC 5010 Des. Concepts for Sustainable Build II + ATLU 3136 Land Use &amp; Site Analysis &amp; Planning</p> <p>ATAP 5131 Architectural Project I + ATAP 6133 Architectural Project II + ATPR 5132 Preservation, Rehab &amp; Restoration of Heritage Buildings</p> <p><b>** A portfolio is required in order to grant credit for all LTU courses listed under Design/Visualization</b></p> <p><b>History/Theory</b> HIST 1130 History of Architecture</p> <p>HIST 2600 Modern Architecture: History and Theory</p> <p><b>Construction Systems</b> ATCM 1133 Construction Material and Processes I + ATAD 2131 Architectural Drafting and Detailing II + ATPE 3132 Project Estimating I + ATCM 3133 Construction Material and Processes II + ATAD 3131 Architectural Drafting and Detailing III + ATWC 5134 Writing Construction Specifications + ATEI 6134 Building Information Modeling III + ATCM 4134 Building Construction III</p>	<p><b>English Requirements ..... (3 credits)</b> COM 2103 Tech &amp; Prof Com.....3</p> <p><b>Mathematics.....(8 credits)</b> MCS 1074 Precalculus ..... 4 MCS 1414 Calculus 1.....4</p> <p><b>Humanities/Social Science .....(3 credits)</b> LLT 1213 World Masterpieces 1.....3</p> <p><b>Design/Visualization**.....(18 credits)</b></p> <p>ARC 1213 Intro to Visual Communication .....3</p> <p>ARC 1223 Visual Communication.....3</p> <p>ARC 2116 Integrated Design 1.....6</p> <p>ARC 2126 Integrated Design 2.....6</p> <p><b>History/Theory.....(6 credits)</b> ARC 3613 History of the Design Env. 1.....3</p> <p>ARC 3623 History of the Design Env 2.....3</p> <p><b>Construction Systems.....(6 credits)</b></p> <p>ARC 2313 Construction Systems 1.....3 ARC 2323 Construction Systems 2.....3</p>

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<p><b>Building Technologies</b>          BULD 1000 Building as a System and Thermodynamics          + ATBS 2134 Building Services and Environmental Sys.</p> <p><b>Structures</b>          ATST 2133 Structures I          + ATST 3134 Structures II</p> <p><b>Electives</b>          ATBI 3135 Building Information Modeling I          + ATBI 4132 Building Information Modeling II</p> <p>Choose 2 credits:          ATDO 6131 Design Options Evaluation          ATCC 6132 Administration of Construction Contract          ATPP 5133 Principles of Project Management</p>	<p><b>Building Technologies.....(3 credits)</b>          ARC 3423 HVAC &amp; Water Systems.....3</p> <p><b>Structures.....(3 credits)</b>          ARC 2513 Basic Structures.....3</p> <p><b>Electives.....(9 credits)</b>          ARC 2843 BIM: Fundamentals or ARC Elective.....3          ARC 3843 BIM for Building Systems/Energy or ARC Ele.3</p> <p>ARC Elective.....3</p> <p><b><u>Completion of the Architecture Degree at LTU:</u></b>          COM 1103 College Composition.....3          LLT/SSC/PSY JR/SR Elective.....3          LLT 1223 World Masterpieces 2.....3          SSC 2413 Foundations of the American Experience.....3          SSC 2423 Development of American Experience.....3          PSC 1143 Environmental Science &amp; Sustainability.....3          PHY 2213 College Physics 1.....3          PHY 2221 College Physics 1 Lab.....3          DES 1022 Intro to Design.....2          DES 1213 Design Principles.....3          DES 1223 Design Methodologies.....3          ARC 2813 Information Modeling and Simulation. ....3          ARC 3116 Integrated Design 3.....6          ARC 3126 Integrated Design 4.....6          ARC 3823 Prototyping and Fabrication.....3          ARC 4116 Integrated Design 5.....6          ARC 4126 Comprehensive Design.....6          ARC 2813 Visual Communication 3.....3          ARC 3513 Intermediate Structures.....3          ARC 3823 Visual Communication 4.....3          ARC 4183 20<sup>th</sup> Century Architecture.....3          ARC 4443 Acoustical, Elect &amp; Illum Sys.....3          ARC 4543 Advanced Structures.....3          DES 4112 Design Leadership.....2</p>
	<p><b>Maximum Transferable Durham Credits ..... 59</b>  <b>Minimum Credits at LTU ..... 82</b>  <b>**Minimum credits to Graduate 133**</b></p>