

Secondary Education Math Endorsement Equivalency Guide

COMPETENCY	LU ONLINE Course Options *all courses are 3 credit hours each unless noted otherwise	Available Courses from: Straighterline Study.com Sophia Learning https://www.liberty.edu/online/transfer-partnerships/	Available College Level Exams: CLEP DSST/Dantes or Excelsior Exams *all exams are 3 credit hours each unless noted otherwise
ALGEBRA (Must include both Linear and Abstract Algebra)			
Linear Algebra	Undergrad level: MATH 410/Matrix & Linear Algebra Grad Level: MATH 510/Applied Linear Algebra (has pre-reqs)	No Courses are available from these Institutions at this time	No exams are available for this section at this time
Abstract Algebra	Undergrad level: MATH 423/Abstract Algebraic Structures Grad Level: MATH 520/Abstract Algebraic Systems	No Courses are available from these Institutions at this time	No exams are available for this section at this time
GEOMETRY (Must include both Euclidean and Non-Euclidean Geometrics as well as Analytical Geometry)			
Euclidean & Non-Euclidean Geometrics	Undergrad level: MATH 405/Fundamentals of Modern Geometry Grad Level: MATH 505/Fundamentals of Modern Geometry (has pre-reqs)	No Courses are available from these Institutions at this time	No exams are available for this section at this time
Analytical Geometry	Undergrad level: MATH 217/Elementary Geometry MATH 131/Calculus & Analytic Geometry I (4hr) MATH 132/Calculus & Analytic Geometry II (4hr)	Straighterline: MAT250/General Calculus I MAT251/General Calculus II Study.com: Math 104/Calculus Geometry 101/Intro to Geometry	CLEP Exams accepted: Calculus (Geometry) Excelsior Exams accepted: Calculus
PROBABILITY & STATISTICS			
Probability & Statistics	Undergrad level: MATH 201/Intro to Probability & Statistics MATH 202/Professional Statistics MATH 211/Intro to Statistical Analysis MATH 441/Probability I MATH 442/Probability II	Straighterline: MAT 150/Business Statistics MAT 202/Introduction to Statistics Study.com: Statistics 101/Principles of Statistics Sophia Learning: Intro to Statistics	DSST/Dantes Exams accepted: Principles of Statistics Excelsior Exams accepted: Statistics

*If you wish to take courses at another institution, please email contentcompevals@liberty.edu for instructions and approval.

For our Transfer Partnerships, please visit our website at: <https://www.liberty.edu/online/transfer-partnerships/> . Please note, our partnerships update yearly and at times, these courses can change.

DISCRETE MATH			
Discrete Math	Undergrad level: MATH 250/Intro Discrete Math MATH 350/Discrete Math	Study.com: Math 108/Discrete Mathematics	No exams are available for this section at this time
COMPUTER SCIENCE (must include Computer Programming)			
Computer Science w/ Programming	Undergrad level: CSIS 208/Application Programming CSIS 209/C# Programming CSIS 212/Object Oriented Programming CSIS 312/Adv Object Oriented Programming MATH 460/Math Modeling & Simulation	Straighterline: CS101/Introduction to Programming Study.com: Computer Science 109/Introduction to Programming Computer Science 111/Programming in C Computer Science 112/Programming in C++ Computer Science 113/Programming in Python Computer Science 115/Programming in Java Computer Science 204/Database Programming	No exams are available for this section at this time
CALCULUS (Must include Multivariable Calculus)			
Multivariable Calculus	Undergrad level: MATH 430/Multivariable Calculus Grad Level: MATH 530/Foundations of Multivariable Calculus	No Courses are available from these Institutions at this time	No exams are available for this section at this time
MATH ELECTIVES			
Math Electives	Undergrad level: MATH 115/Math for Liberal Arts MATH 121/College Algebra MATH 110/Intermediate Algebra MATH 117/Elements of Math MATH 128/Elem Functions & Coordinate MATH 345/Intro to History Mathematics MATH 432/Applied Differential Equations Grad Level: MATH 500/Calculus Concepts MATH 545/History Mathematics	Straighterline: MAT101/College Algebra MAT201/Pre-calculus Study.com: Math 101/College Algebra Math 102/College Mathematics Math 103/Pre-calculus Math 105/Pre-calculus Algebra Math 107/Quantitative Literacy Sophia Learning: College Algebra	CLEP Exams accepted: College Math College Algebra Pre-Calculus DSST/Dantes Exams accepted: Fundamentals of College Algebra Math for Liberal Arts

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