

Math Education Articulation between VCSU and LCCC

January 2021 – January 2026

Laramie County Community College			VALLEY CITY STATE UNIVERSITY			Red VCSU		
An Assoc. in Arts or Assoc. in Science degree will transfer as a block fulfilling most general education courses. Required or prerequisite courses listed below*			Major: Mathematics Education B.S. in Education 2021-22			Black LCCC		
						Gray VCSU Gen Ed courses covered by block transfer		
General Education Requirements			Required Courses			Professional Education Sequence		
Subject-Catalog Nbr-Course Title - Credits	Deliv	Rotate	Subject-Catalog Nbr-Course Title - Credits	Deliv	Rotate	Subject-Catalog Nbr-Course Title - Credits	Deliv	Rotate
English Composition - 6 crs			MATH 166 Calculus II - 4	online	Fa	EDUC 240 Educ Exceptional Students - 3	online	FaSpSu
ENGL 110 College Composition I and			or MATH 2205 Calculus II - 4	LCCC		or EDEX 2484 Intro to Special Education - 3	LCCC	
ENGL 120 College Composition II								
or ENGL 125 Intro to Professional Wrtg			MATH 208 Discrete Math - 3	online	Fa odd	EDUC 250 Introduction to Education - 3	online	FaSp
OR			or MATH 2300 Discrete Structures - 3	LCCC		or EDFD 1010 Intro to Teaching -3 and	LCCC	
ENGL 120 College Composition II						EDUC 2100 - Practicum - 2 and	LCCC	
or ENGL 125 Intro to Professional Wrtg and			MATH 210 Elementary Statistics - 3	online	FaSpSu	EDUC 249 Intro to VCSU Program - 1	online	FaSpSu
ENGL 210 College Composition III			or STAT 2010/2050/2070 - 4	LCCC				
						EDUC 283 Understand Cultural Diversity - 3	online	FaSpSu
Speech Communication - 3 crs (select one course)			MATH 265 Calculus III - 4	online	Sp			
COMM 110 Fund of Public Speaking			or MATH 2210 Calculus III - 4	LCCC		EDUC 300 Educational Technology - 2	online	FaSp
COMM 212 Interpersonal						or ITEC 2360 Teaching with Technology - 3	LCCC	
COMM 216 Intercultural			MATH 266 Intro to Differential Equations - 3	online	Fa			
Mathematics - 4 crs			or MATH 2310 Applied Differential Equations - 3	LCCC		EDUC 351 Sec Practicum & Clsrm Mngt - 1	online	FaSp
MATH 165 Calculus I * - 4	online	Sp						
or Math 2200 Calculus I * - 4	LCCC		MATH 313 Algebra & Functions for teachers - 3	online	Sp odd	EDUC 352 Culturally Diverse Practicum - 1	online	FaSp
Lab Science - 8 crs (select two courses)								
BIOL 111, 150, 151, 170			MATH 314 Geometry & Trig for teachers - 3	online	Sp even	EDUC 375 Tchg Rdg in Content Areas - 2	online	FaSp
CHEM 115, 116, 121, 122; GEOL 100, 106								
PHYS 100, 110, 161, 162, 251, 252; TECH 161			MATH 321 Applied Probability & Statistics - 3	online	Sp	EDUC 400 Educational Psychology - 2	online	FaSpSu
Technology - 3 crs (Select one course)			MATH 330 Linear Algebra & Matrices - 3	online	Sp even	EDUC 450 Trends in Assess & Educ Issues - 2	online	FaSpSu
CSCI 127 Intro to Programming in Java * - 3	F2F	Fa	or MATH 2250 Elementary Linear Algebra - 3	LCCC		or EDST 2550 Educational Assessment - 3	LCCC	
or CSCI 160 Intro to Struc Programming * - 3	F2F	Fa odd						
or SE 110 Discovering Computing * - 3	F2F	Fa	MATH 340 Abstract Algebra - 4	online	Fa even	EDUC 480 Student Teaching (Secondary) - 10	F2F	FaSp
or COSC 1010/1030/2049 * - 4	LCCC							
Wellness - 2 crs			MATH 400 History & Philosophy of Math - 2	online	Sp odd	PSYC 250 Developmental Psychology - 3	online	FaSpSu
HPER 100 Concepts Fitness & Wellness						or PSYC 2300 Developmental Psychology - 3	LCCC	
			MATH 410 Real Analysis - 3	online	Fa	or EDST 2450 Fnd. of Development & Learning- 3	LCCC	
Humanities								
Literacies - Literary, Media, Philosophic - 3 crs			MATH 490 Teaching Sec School Math - 3	online	Fa even			
ENGL 220, 225, 241, 242, 261, 262; HUM 201								
SPAN 101, 102, 201, 202; THEA 110, 161			MATH 491 Math Capstone - 1	online	Fa			
Art & Music Foundations - 3 crs								
ART 110; HUM 202; MUS 100, 101, 207								
Social Science - 6 crs (select two courses)								
COMM 112 Under Media; COMM 114 Human								
ECON 201 Prin Micro; ECON 202 Prin Macro								
GEOG 151 Human Geog								
HIST 103, 104, 211, 212, 260, 267, 270								
POLS 115 Amer Gov; POLS 116 State Gov								
PSYC 111 Intro Psyc ** (prereq to PSYC 250)	online	FaSp						
or PSYC 1000 ** (prereq to PSYC 250)	LCCC							
SOC 110 Intro to Soc; SOC 111 Intro Anthro								
Additional Humanities or Social Science - 2 crs								
Select from <i>Humanities</i> or <i>Social Science</i> areas								
or ART 112(3), 130(3), 150(3); GEOG 111(2);			/					
MUS 104(1), 105(1), 130(1), 131(1), 140(1), 141(1);								
* Required by Major			Total Major Credits Required - 42			Minimum Credits Required to Graduate - 120		

B.S. Ed Degree Requirements

- Completion of Gen Ed Requirements
- Completion of an education major
- Completion of Professional Ed sequence
- Full admission to Teacher Education
- Successful completion of student teaching
- Completion of Praxis II Math & Praxis II PLT

Graduation Requirements

- Completion of a 30 upper division semester hours at 300-400 level
- Completion of a 120 semester hours

VCSU: B.S. in Mathematics Education: Sample Plan of Study

Sample plan of study shown is for a VCSU student. A LCCC Assoc. in Arts or Assoc. in Science degree **will transfer as a block** fulfilling most general education courses.

***Denotes that an equivalent course is available through LCCC (i.e. courses could be taken through LCCC or VCSU). See status sheet for equivalent courses.**

EVEN YEAR START															
Year 1 (LCCC)				Year 2 (LCCC)				Year 3 (VCSU Online)				Year 4 (VCSU Online)			
Fall Even	Crs	Spring Odd	Crs	Fall Odd	Crs	Spring Even	Crs	Fall Even	Crs	Spring Odd	Crs	Fall Odd	Crs	Spring Even	Crs
*MATH 210	3	*MATH 165	4	*MATH 166	4	*MATH 265	4	*MATH 266	3	MATH 313	3	*MATH 208	3	EDUC 400	2
*CSCI 127/160 or SE 110	3	Gen Ed Courses	10	*EDUC 250	3	Gen Ed Courses	6	MATH 340	4	MATH 321	3	MATH 410	3	EDUC 480	10
*PSYC 111	3	Elective	3	Gen Ed Courses	7	MATH 314 (VCSU Online)	3	MATH 490	3	MATH 400	2	MATH 491	1		
Gen Ed Courses	6			Elective	3	*MATH 330 (VCSU Online)	3	*EDUC 240	3	EDUC 283	3	EDUC 375	2		
Freshman Orientation	1							EDUC 351	1	*EDUC 300	2	*EDUC 450	2		
										EDUC 352	1	*PSYC 250	3		
Total Credits	16		17		17		16		14		14		14		12 120

ODD YEAR START															
Year 1 (LCCC)				Year 2 (LCCC)				Year 3 (VCSU Online)				Year 4 (VCSU Online)			
Fall Odd	Crs	Spring Even	Crs	Fall Even	Crs	Spring Odd	Crs	Fall Odd	Crs	Spring Even	Crs	Fall Even	Crs	Spring Odd	Crs
*MATH 210	3	*MATH 165	4	*MATH 166	4	*MATH 265	4	*MATH 208	3	MATH 314	3	MATH 340	4	EDUC 400	2
*CSCI 127/160 or SE 110	3	Gen Ed Courses	10	*EDUC 250	3	Gen Ed Courses	6	*MATH 266	3	MATH 321	3	MATH 410	3	EDUC 480	10
*PSYC 111	3	Elective	3	Gen Ed Courses	7	MATH 313 (VCSU Online)	3	*EDUC 240	3	*MATH 330	3	MATH 490	3		
Gen Ed Courses	6			Elective	3	MATH 400 (VCSU Online)	2	EDUC 283	3	*EDUC 300	2	MATH 491	1		
Freshman Orientation	1							EDUC 375	2	EDUC 352	1	EDUC 351	1		
										*PSYC 250	3	*EDUC 450	2		
Total Credits	16		17		17		15		14		15		14		12 120

Required General Education Courses	Cr	VCSU online	Equivalent course available at LCCC
MATH 165 Calculus I	4	Sp	✓
Computer Programming Course	3	F2F only	✓
PSYC 111 Intro to Psych	3	FaSp	✓
Required Math Courses	42 Crs	VCSU online	Equivalent course available at LCCC
MATH 166 Calculus II	4	Fa	✓
MATH 208 Discrete Math	3	Fa odd	✓
MATH 210 Elementary Statistics	3	FaSpSu	✓
MATH 265 Calculus III	4	Sp	✓
MATH 266 Intro to Differential Equations	3	Fa	✓
MATH 313 Algebra & Functions for teachers	3	Sp odd	
MATH 314 Geometry & Trig for teachers	3	Sp even	
MATH 321 Applied Probability & Statistics	3	Sp	
MATH 330 Linear Algebra & Matrices	3	Sp even	✓
MATH 340 Abstract Algebra	4	Fa even	
MATH 400 History & Philosophy of Math	2	Sp odd	
MATH 410 Real Analysis	3	Fa	
MATH 490 Teaching Sec School Math	3	Fa even	
MATH 491 Math Capstone	1	Fa	
Required Professional Education Sequence	32 Crs	VCSU online	Equivalent course available at LCCC
EDUC 240 Educating Exceptional Stdnts	3	FaSpSu	✓
EDUC 250 Introduction to Education	3	FaSp	✓
EDUC 283 Understdng Cultural Div in Educ	3	FaSpSu	
EDUC 300 Educational Technology	2	FaSp	✓
EDUC 351 Sec Practicum & Clsrm Mngt	1	FaSp	
EDUC 352 Culturally Diverse Practicum	1	FaSp	
EDUC 375 Tchg Rdg in Content Areas	2	FaSp	
EDUC 400 Educational Psychology	2	FaSpSu	
EDUC 450 Trends in Assess & Educ Issues	2	FaSpSu	✓
EDUC 480 Student Teaching (Sec)	10	FaSp	
PSYC 250 Developmental Psychology	3	FaSpSu	✓