



Mathematics Education (Secondary)
Articulation Agreement between
Laramie County Community College
and Valley City State University



Introduction: This articulation agreement formally recognizes that Valley City State University (hereinafter VCSU) and Laramie County Community College (hereinafter LCCC) are educational institutions which agree to work together to provide educational opportunities for the students of their institutions.

Purpose: The purpose of this agreement is to provide a seamless articulation of credits for students to earn an Associate of Arts/Science in Mathematics from LCCC to transfer to VCSU in order to earn a Bachelor of Science in Education in Mathematics Education from VCSU. This agreement will be set up in the manner where students will be able to complete both their Associate Degree and Bachelor's Degree from the same location.

Motivating Principles and Values:

1. Students will be well served by the partnership and the high-quality program offered through this agreement.
2. This partnership will benefit the educational needs of the regions by providing graduates of high quality.
3. Both campuses seek to maintain compliance with state and national accreditation guidelines to ensure quality.
4. This partnership will provide high-quality collaborative programs to students in a convenient, timely, flexible, and cost-effective manner.

Accreditation: VCSU is accredited by the Higher Learning Commission (HLC); The Council for Accreditation of Education Preparation (CAEP); and approved by the State of North Dakota Education Standards and Practices Board (ESPB). LCCC is accredited by the Higher Learning Commission (HLC).

Longevity of Agreement: This agreement will be in effect for five (5) years, starting January 2021. At the end of the five (5) years, students who have begun the program and are in the process of completion will be allowed to finish (within a one- or two-year timeline). Agreement will be reviewed as needed to reflect changes in curricula and campus procedures and policies.

Termination or Revisions: LCCC and VCSU agree to provide at least 90 days advance written notification of their intent to terminate the agreement. All revisions of this agreement must be approved in writing by those who sign this agreement or their successors.

Governance and Management: This agreement shall be governed by the academic policies and procedures of LCCC and VCSU. As required by the condition of the program and accreditation, the Bachelor of Science in Education – Mathematics program will be governed by the Mathematics Department at VCSU. Conversely, the Associate of Arts/Science program in Mathematics will be administered by LCCC as required by the guidelines.

VCSU agrees to arrange for a Program Representative to be available to advise Mathematics Education students in the program each semester.

Both VCSU and LCCC will provide a liaison that will be available to inform and guide students through this program.

VCSU agrees to grant a Bachelor of Science in Education with a major in Mathematics Education to students who successfully complete the requirements for the degree.

It is agreed upon that LCCC will provide general education courses, supplementary curriculum, and elective courses which satisfy VCSU graduation requirements for students enrolled in this program based on LCCC minimum enrollment standards. Students that enter the program with an Association of Arts (AA) degree or an Associate of Science (AS) degree will have their general education requirements completed unless a general education course is specific for the BS degree.

The delivery of courses required to obtain a Bachelor of Science in Education degree will be delivered using methods that do not require the students to be present on the VCSU campus.

Graduation Requirements: A minimum of 120 total credits are required for a Bachelor's Degree and must be taken from the appropriate categories. Students must complete a minimum of 30 hours of upper level (300-400 level) credit from VCSU to complete graduation requirements from VCSU. Credit hours earned at LCCC that do not meet general education requirements, technical specialty requirements or teaching option requirements will be used for electives courses.

Admission: Students taking LCCC course(s) must apply and be accepted for admission at LCCC. Students taking VCSU course(s) must apply and be accepted for admission at VCSU. All admission policies at the respective institution will apply.

Registration: Each institution will follow its own policies and procedures for registering students for their programs(s). LCCC will be responsible for registering students in the associate program(s), and VCSU will be responsible for registering student(s) in the baccalaureate program(s). Registering for LCCC and VCSU courses will be separate functions. Registration for courses will follow the respective institution's timeline and procedures, including add/drop and withdraw.

Student Services: During the semesters in which VCSU degree-seeking students are enrolled in at least one LCCC course, they will have access to all LCCC and VCSU student services and vice versa. During the semesters in which VCSU degree-seeking students are enrolled in only VCSU courses, they will have access to all VCSU student services and vice versa. VCSU degree-seeking students who are enrolled in at least one LCCC course are eligible to live in the LCCC residence halls, which includes a required meal plan.

Student Support Services: If students have documented disabilities that may affect their academic experience and are seeking accommodations, it is their responsibility to supply documentation and make a request for services through the office of Student Academic Services as soon as possible.

Financial Aid: Students enrolled in a LCCC two-year degree seeking program will have all aspects of their Federal Title IV Financial Assistance administered by LCCC's Financial Aid Office. This includes, but is not limited to:

- Processing of FAFSA and other applications, determination of eligibility, awarding, and disbursement of funds;
- Assessment and enforcement of satisfactory academic progress standards;
- Calculation and distribution of refunds;
- Administration of all aspects of the Federal Family Educational Loan Programs

During the student's enrollment at LCCC, LCCC policies and procedures will apply. Student budgets (Cost of Attendance) used in establishing aid amounts will be the same as those used for awarding federal aid to other LCCC students. A contact from the LCCC Financial Aid Office will be identified to work with the VCSU Financial Aid Office assigned contact.

For students currently enrolled at both institutions all federal financial aid will be processed by the degree granting institution at both the Associate and Bachelor levels. A consortium agreement must be completed by the student and signed by the host institution and returned to the home degree granting institution.

VCSU will be responsible for awarding aid to students who have been admitted to VCSU. Students will have all aspects of their Federal Title IV Financial Assistance administered by VCSU Student Financial Aid Office. This includes, but is not limited to:

- Processing of applications, evaluation of eligibility, awarding, and disbursement of funds;
- Assessment and enforcement of satisfactory academic progress standards;
- Calculation and distribution of refunds;
- Billing and collection for Federal Perkins loans;
- Notifying changes in enrollment status to lenders under the Federal Family Educational Loan Programs.

During this enrollment the VCSU policies and procedures will apply. Student budgets (Cost of Attendance) used in establishing aid amounts will be determined in the same method as those used for awarding federal aid to other VCSU students. A contact from the LCCC Financial Aid Office will be identified to work with the VCSU Financial Aid Office assigned contact.

Students on the LCCC campus are not eligible for VCSU sponsored scholarships, waivers, or federal student work-study while pursuing a degree from VCSU. Students enrolled in the VCSU program are not eligible for LCCC sponsored scholarships or waivers. Students may be employed in a LCCC student employee position funded through institutional funds if enrolled in at least six (6) LCCC credits hours during each semester of employment and must meet all LCCC student employee requirements.

Tuition and Fees: Assessment and collection of tuition and fees will be done by the institution that is responsible for the courses. That is, VCSU will be responsible for assessing and collecting all fees for courses offered by VCSU and the same is true of LCCC. All tuition and fees will be collected in accordance with the established policies of the institution to which these payments are due.

Student Life: Rules, regulations, and policies that govern student life that are listed in the LCCC Student Handbook will be applicable to students enrolled in courses while at LCCC. For example, housing, parking, and conduct policies will be governed by LCCC.

Technology and Support Services:

VCSU will provide students in this program adequate technical support in a timely manner for the courses taken from VCSU. LCCC will provide students in this program adequate technical support in a timely manner for the courses taken from LCCC.

Students enrolled in at least one VCSU course will have full access to VCSU technology services, including VCSU wired and wireless computer network, Blackboard account, VCSU email/messaging account, printer access, and computer peripheral equipment checkout. Students may elect to pay the VCSU technology “buy up” fee if they would like full-time access to a VCSU laptop. See procedures in VCSU policy [V1901.02.01](#).

All online students in VCSU courses are expected to abide by the VCSU [Distance Learning Technical Requirements](#).

Marketing: A VCSU representative will come to the LCCC campus once a year to recruit/advise new students for this program. VCSU will be responsible for providing LCCC with marketing materials to distribute to prospective students. Both institutions will display information about this agreement on their transfer website. LCCC will work collaboratively with VCSU to identify prospective students for this program.

Textbooks/Curricular materials: The textbooks and/or curricular materials for the VCSU courses will be purchased through VCSU. Likewise, the textbooks for the LCCC courses will be purchased through LCCC. Students will also have the choice to purchase textbooks on their own.

Faculty and Staff: VCSU will select and assign qualified faculty members to teach the required courses. VCSU will name a Program Coordinator for this agreement. LCCC will assign a faculty member as a liaison for this agreement. LCCC and VCSU will work collaboratively to come up with mutually agreed upon qualifications of the faculty who would teach a course on the LCCC campus as part of the VCSU Bachelor’s Degree Program.

VCSU’s Mathematics Education Program Coordinator is Jamie Wirth, Department Chair and Associate Professor of Mathematics. 701-845-7734, jamie.wirth@vcsu.edu

LCCC’s program coordinator is Ann Shelby, Education Instructor, 307-778-1176, ashelby@lccc.wy.edu

Amendments to the Agreement: Mutually agreed upon amendments to this agreement may be approved by those who sign this agreement or their successors. The agreement may be terminated at any time through joint action of the two presidents with adequate provision for currently enrolled students.

Attachments below:

pg. 7: A status sheet of the VCSU Mathematics Education B.S. degree requirements with equivalent LCCC courses listed.

pg. 8: A sample plan of study (VCSU courses shown). Denoted courses indicate that an equivalent course is offered through LCCC.

- Note that students wishing to graduate in four years would need to take 1-2 MATH courses online from VCSU the spring of their sophomore year due to course offering rotations.

pg. 9: A list of all required General Education courses, MATH courses, and Professional Education Sequence courses for the VCSU Math Education B.S. degree.

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 ENGL 120 College Composition II			or MATH 2205 Calculus II - 4	LCCC		or EDEX 2484 Intro to Special Education - 3	LCCC	
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 EDUC 2100 - Practicum - 2 and	LCCC	
ENGL 120 College Composition II			MATH 210 Elementary Statistics - 3	online	FaSpSu	EDUC 249 Intro to VCSU Program - 1	online	FaSpSu
or ENGL 125 Intro to Professional Wrtg and 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 & Clsrn 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 _(a) , 130 _(a) , 150 _(a) ; GEOG 111 _(a) ;								
MUS 104 _(a) , 105 _(a) , 130 _(a) , 131 _(a) , 140 _(a) , 141 _(a) ;								
* Required by Major			Total Major Credits Required - 42			Minimum Credits Required to Graduate - 120		

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 & Clsrn 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	✓

Signatures:

For Laramie County Community College:


Joe Schaffer [Feb 8, 2021 15:29 MST]

Dr. Joe Schaffer, President Feb 8, 2021
Date


Kari Brown-Herbst

Dr. Kari Brown-Herbst, Vice President of Academic Affairs Feb 8, 2021
Date


For Valley City State University:



Dr. Alan LaFave, President 12/11/2020
Date



Dr. Margaret Dahlberg, Vice President for Academic Affairs 12/10/2020
Date



Dr. Jamie Wirth, Chair, Department of Mathematics 12-9-20
Date