Mathematics Education  
(Secondary)  

Articulation Agreement between  
Dakota College at Bottineau  
and Valley City State University

Introduction: This articulation agreement formally recognizes that Valley City State University (hereinafter VCSU) and Dakota College at Bottineau (hereinafter DCB) 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 DCB 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). DCB 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: DCB 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 DCB 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 DCB 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 DCB 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 DCB will provide general education courses, supplementary curriculum, and elective courses which satisfy VCSU graduation requirements for students enrolled in this program based on DCB minimum enrollment standards. Students that enter the program with an Associate 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 DCB that do not meet general education requirements, technical specialty requirements or teaching option requirements will be used for electives courses.
Admission: Students taking DCB course(s) must apply and be accepted for admission at DCB. 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). DCB 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 DCB 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 DCB course, they will have access to all DCB 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 DCB course are eligible to live in the DCB 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 DCB two-year degree seeking program will have all aspects of their Federal Title IV Financial Assistance administered by DCB’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 DCB, DCB 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 DCB students. A contact from the DCB 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 DCB Financial Aid Office will be identified to work with the VCSU Financial Aid Office assigned contact.

Students on the DCB 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 DCB sponsored scholarships or waivers. Students may be employed in a DCB student employee position funded through institutional funds if enrolled in at least six (6) DCB credits hours during each semester of employment and must meet all DCB 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 DCB. 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 DCB Student Handbook will be applicable to students enrolled in courses while at DCB. For example, housing, parking, and conduct policies will be governed by DCB.
Technology and Support Services:

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

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 DCB campus once a year to recruit/advise new students for this program. VCSU will be responsible for providing DCB with marketing materials to distribute to prospective students. Both institutions will display information about this agreement on their transfer website. DCB 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 DCB courses will be purchased through DCB. 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. DCB will assign a faculty member as a liaison for this agreement. DCB and VCSU will work collaboratively to come up with mutually agreed upon qualifications of the faculty who would teach a course on the DCB 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, jwirth@vcsu.edu

DCB’s program coordinator is Scott Johnson, Department Chair and Professor of Mathematics; 701-228-5474, scott.allen.johnson@dakotacollege.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 DCB courses listed.
- pg. 8: A sample plan of study (VCSU courses shown). Denoted courses indicate that an equivalent course is offered through DCB.
  - Note that students wishing to graduate in four years would need to take two 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.

First draft – 11/4/20

Final draft – 8/4/21
<table>
<thead>
<tr>
<th>General Education Requirements</th>
<th>Required Courses</th>
<th>Professional Education Sequence</th>
<th>Required Courses</th>
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<tbody>
<tr>
<td>English Composition - 6 crs</td>
<td>MATH 166 Calculus II - 4 online</td>
<td>Fa</td>
<td>EDUC 240 Educ Exceptional Students - 3 online</td>
</tr>
<tr>
<td>or MATH 166 Calculus II - 4 DGB</td>
<td>Sp</td>
<td></td>
<td>FaSpSu</td>
</tr>
<tr>
<td>or ENGL 120 Coll: e Com: sion I and II</td>
<td>MATH 206 Discrete Math - 3 online</td>
<td>Fa odd</td>
<td>EDUC 250 Intro to Education - 3 online</td>
</tr>
<tr>
<td>or ENGL 125 Intro to Professional Wrk</td>
<td>MATH 210 Elementary Statistics - 3 online</td>
<td>FaSpSu</td>
<td>EDUC 245 Intro to VCSU Program - 1 online</td>
</tr>
<tr>
<td>or ENGL 125 Intro to Professional Wrk</td>
<td>MATH 210 Elementary Statistics - 4 DGB</td>
<td>FaSp</td>
<td>Education 283 Understand Cultural Diversity - 3 online</td>
</tr>
<tr>
<td>ENGL 210 College Composition III</td>
<td>MATH 285 Calculus III - 4 online</td>
<td>Sp</td>
<td>EDUC 300 Educational Technology - 2 online</td>
</tr>
<tr>
<td>Speech Communication - 3 crs (select one course)</td>
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<td>Fa</td>
<td>EDUC 351 Sec Practicum &amp; Clrn Mgmt - 1 online</td>
</tr>
<tr>
<td>or MATH 266 Intro to Differential Equations - 3 DGB</td>
<td>Sp</td>
<td></td>
<td>FaSp</td>
</tr>
<tr>
<td>COMM 110 Fund of Public S:each</td>
<td>MATH 301 Linear Algebra &amp; Matrices - 3 online</td>
<td>Sp even</td>
<td>EDUC 450 Trends in Assess &amp; Educ Issues - 2 online</td>
</tr>
<tr>
<td>or MATH 165 Calculus I - 4 Sp</td>
<td>MATH 301 Linear Algebra &amp; Matrices - 3 online</td>
<td>Sp even</td>
<td>EDUC 450 Trends in Assess &amp; Educ Issues - 2 online</td>
</tr>
<tr>
<td>or MATH 165 Calculus I - 4 DGB</td>
<td>Sp</td>
<td></td>
<td>FaSp</td>
</tr>
<tr>
<td>Lab Science - 4 crs (select two courses)</td>
<td>MATH 314 Algebra &amp; Functions for teachers - 3 online</td>
<td>Sp odd</td>
<td>EDUC 378 Tchg Rdg &amp; Content Areas - 2 online</td>
</tr>
<tr>
<td>or BIOL 111, 150, 151, 170</td>
<td>MATH 314 Algebra &amp; Functions for teachers - 3 online</td>
<td>Sp even</td>
<td>EDUC 378 Tchg Rdg &amp; Content Areas - 2 online</td>
</tr>
<tr>
<td>or CHEM 115, 116, 121, 122, GEOL 10, 106</td>
<td>MATH 321 Applied Probability &amp; Statistics - 3 online</td>
<td>Sp</td>
<td>EDUC 400 Educational Psychology - 2 online</td>
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<tr>
<td>or PHYS 100, 110, 161, 162, 251, 252, 253, 254, 255</td>
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<td>Sp even</td>
<td>EDUC 450 Trends in Assess &amp; Educ Issues - 2 online</td>
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<td>Technology - 3 crs (select one course)</td>
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<td>Fa even</td>
<td>EDUC 480 Student Teaching (Secondary) - 10 F2F FaSp</td>
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<td>or CSCI 127 Intro to Programming in Java * - 3</td>
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<tr>
<td>or CSCI 160 Intro to Struct Programming * - 3</td>
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<tr>
<td>or SE 110 Discovering Computing * - 3</td>
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<td>Fa even</td>
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<td>or CSCI 123/124/125/126/127/128/129/130/131/132/133/134/135/136/137/138/139/140/141</td>
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<td>Fa even</td>
<td>EDUC 480 Student Teaching (Secondary) - 10 F2F FaSp</td>
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<tr>
<td>Wellness - 2 crs</td>
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<td>Fa</td>
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<td>All 100 Concepts Fitness &amp; Wellness</td>
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<td>Fa</td>
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<tr>
<td>Humanities</td>
<td>MATH 410 Math Capstone - 1 online</td>
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<td>Literacies - Literary Media, Philosophic - 3 crs</td>
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<td>Fa</td>
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<td>ENGL 220, 225, 241, 242, 261, 282, HUM 201</td>
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<td>Social Science - 6 crs (select two courses)</td>
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<td>COMM 112 Under Media, COMM 114 Human</td>
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<td>Fa</td>
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<tr>
<td>ECON 201 Prin Micro, ECON 202 Prin Macro</td>
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<tr>
<td>GEOG 151 Human Geog</td>
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<td>HIST 103, 104, 211, 212, 260, 267, 270</td>
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</tr>
<tr>
<td>or SE 110 Discovering Computing * - 3</td>
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</tr>
<tr>
<td>or CSCI 123/124/125/126/127/128/129/130/131/132/133/134/135/136/137/138/139/140/141</td>
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<tr>
<td>or SOC 110 Intro to Soc, SOC 111 Intro Anthro</td>
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<td>Additional Humanities or Social Science - 2 crs</td>
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<td>Select from Humanities or Social Science areas</td>
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<td>MATH 410 Math Capstone - 1 online</td>
<td>Fa</td>
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</table>

* Required by Major

| Total Major Credits Required | 42 |
| Minimum Credits Required to Graduate | 120 |
Mathematics Education Articulation between VCSU and Dakota College at Bottineau Jan 2021 - Jan 2026

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

Sample plan of study shown is for a VCSU student. A DCB 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 DCB (i.e. courses could be taken through DCB or VCSU). See status sheet for equivalent courses.

<table>
<thead>
<tr>
<th>EVEN YEAR START</th>
<th>Year 1 (DCB)</th>
<th>Year 2 (DCB)</th>
<th>Year 3 (VCSU Online)</th>
<th>Year 4 (VCSU Online)</th>
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<td>Fall Even</td>
<td>Crs Spring Odd Crs</td>
<td>Fall Odd</td>
<td>Crs Spring Even Crs</td>
<td>Crs Fall Even Crs Spring Odd Crs</td>
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<tr>
<td>*MATH 210</td>
<td>3 *MATH 165 4</td>
<td>*MATH 166</td>
<td>*MATH 265</td>
<td>*MATH 266 3 MATH 313 3</td>
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<td>*EDUC 250</td>
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<td>MATH 340 4 MATH 321 3</td>
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<td>MATH 314 (VCSU Online) 3</td>
<td>MATH 490 3 MATH 400 2</td>
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<td>Gen Ed Courses</td>
<td>6 Elective 3</td>
<td>MATH 330 (VCSU Online) 3</td>
<td>EDUC 240 3 EDUC 283 3</td>
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<td>Freshman Orientation</td>
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<td>EDUC 450 2</td>
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<td>17</td>
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<td>14 14 14 12 120</td>
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<table>
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<th>ODD YEAR START</th>
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<td>Crs Spring Even Crs</td>
<td>Fall Even</td>
<td>Crs Spring Odd Crs</td>
<td>Crs Fall Even Crs Spring Odd Crs</td>
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<td>3 *MATH 165 4</td>
<td>*MATH 166</td>
<td>*MATH 265</td>
<td>*MATH 266 3 MATH 313 3</td>
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<td>*CSCI 127/160 or SE 110</td>
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<td>*EDUC 250</td>
<td>3 Gen Ed Courses</td>
<td>MATH 340 4 MATH 321 3</td>
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<td>*PSYC 111</td>
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<td>Gen Ed Courses</td>
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<td>EDUC 351 1</td>
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<td>MATH 165 Calculus I</td>
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<td>Computer Programming Course</td>
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<td>PSYC 111 Intro to Psych</td>
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Mathematics Education Articulation between VCSU and Dakota College at Bottineau Jan 2021 - Jan 2026

Signatures:

For Dakota College at Bottineau:

Dr. Steven Shirley, President

Date

8-13-21

Dr. Jerry Migler, Campus Dean

Date

8/13/21

Mr. Larry Brooks, Academics & Student Affairs

Date

8/13/2021

For Valley City State University:

Dr. Alan LaFave, President

Date

8-5-2021

Dr. Margaret Dahlberg, Vice President for Academic Affairs

Date

8-5-2021

Dr. Jamie Wirth, Chair, Department of Mathematics

Date

8-4-21