VCSU

Valley City State University

NDSU NORTH DAKOTA STATE UNIVERSITY

VCSU Applied Mathematics for Engineers
Articulation Agreement
between
Valley City State University and North Dakota State University

Introduction: This agreement is entered into between Valley City State University (hereinafter sending institution) and North Dakota State University (hereinafter receiving institution) as recognition of the institutions willingness to work together to provide collective educational opportunities for the students of their institutions.

Purpose: The purpose of this agreement is to provide seamless articulation of academic credits for students who have earned a Bachelor of Science (BS) of Mathematics (hereinafter sending program) from the sending institution to be applied in a credit transfer towards selected engineering programs hosted by the receiving institution, namely: 1) BS in Agricultural and Biosystems Engineering, 2) BS in Civil and Environmental Engineering, 3) BS in Construction Engineering, 4) BS in Industrial Engineering and Management, 5) BS in Manufacturing Engineering, 6) BS in Electrical Engineering, 7) BS in Computer Engineering, and 8) a BS in Mechanical Engineering, (hereinafter receiving program). It is mutually agreed:

Admission and Graduation Requirements

A. The receiving institution's admission and program admission requirements apply to both direct entry students and to students who transfer under this agreement.
B. Students must fulfill the graduation requirements at both institutions.
C. Students must complete the entire sending program and meet the receiving institution's admission requirements for the agreement to apply.

Transfer of Credits

A. Upon application and admission, the receiving institution will accept earned credits from the sending program, the number variable with each of the eight sending programs, in a coordination with program advisors.
B. Courses will transfer as described in the attached transfer guides outlining the compatibilities of courses between the sending and receiving programs.
C. The courses outlined in these transfer guides are not restrictive to other courses from the sending or adjacent accredited institutions as long as course transfer guidelines are met.

Transfer Modalities

1. **Dual Degree**: Students earning a BS in Mathematics from the sending institution pursuant to this agreement will enter the receiving institution as an upperclassman to complete a BS in Engineering in approximately five semesters, depending on course load and selected receiving program.
2. **Reverse Transfer (Retroactive Dual Degree)**; Students working towards a BS in Mathematics from the sending institution but not fulfilling the requirements in their entirety, can transfer credit to the receiving institution, and upon acceptance into a receiving program, and with its eventual satisfactory completion, can elect to earn the B.S. in Mathematics from the sending institution retroactively, given that an appropriate core of associated upper division courses from the receiving program are completed. Students who enter this agreement without the B.S. degree in hand from the sending institution, and who seek B.S. degrees from both institutions are expected to consult program advisors from both institutions to ensure the process remains seamless.

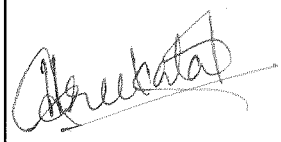
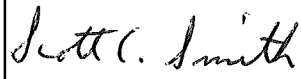
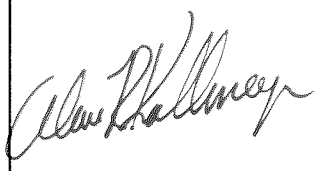
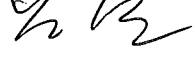
Implementation and Review

A. The Chief Academic Officers or designees of the parties to this agreement will implement the terms of this agreement, including identifying and incorporating any changes into subsequent agreements, assuring compliance with system policy, procedure and guidelines, and conducting a periodic review of this agreement.
B. This Articulation Agreement is effective on 6/01/2016 and shall remain in effect until the end date of 1/14/2021 or for five years, whichever occurs first, unless terminated or amended by either party with 90 days prior written notice.
C. This Articulation Agreement will be reviewed after one year for the purposes which include the optimization of the course transfer guides.
D. The sending and receiving institutions shall work with students to resolve the transfer of courses should changes to either program occur while the agreement is in effect.
E. This Articulation Agreement will be reviewed by both parties beginning 7/01/20 (within six months of the end date).
F. When a student notifies the receiving institution of their intent to follow this agreement during their application to, and admission by the receiving institution, course waivers and substitutions will be encoded via standard policies, and in a timely fashion.
G. It is in the student's best interest to notify program advisors of their interest in this dual degree program as soon as possible. Students then will be notified as to the appropriate admission timelines by the receiving institution, at which time course credits will be officially evaluated and encoded.

Program Articulation Table		
Institution	VCSU (sending)	NDSU (receiving)
Program name	Mathematics	Engineering
Award Type	B.S. in Mathematics	B.S. in Agricultural and Biosystems Engineering, B.S. in Civil & Environmental Engineering, B.S. in Construction Engineering, B.S. in Industrial Engineering and Management, B.S. in Manufacturing Engineering, B.S. in Electrical Engineering, B.S. in Computer Engineering, and a B.S. in Mechanical Engineering
Credit Length	120	135-140 (varies by discipline)
Program Admission Requirements	None	VCSU students should check with individual NDSU Departments for transfer GPA and grade requirements. A grade of "C" or higher is required for many courses, including transfer work. Upon transfer, program-specific coursework (typically taken in the first two years at NDSU) will need to be completed as part of department requirements. Completion of BS requirements does not waive any NDSU curriculum requirements. NOTE: Electrical and Computer Engineering requires a minimum transfer GPA of 2.3, Construction Engineering requires a minimum transfer GPA of 2.5, and Mechanical Engineering requires a minimum transfer GPA of 2.8. Students who do not meet the minimum GPA at the time of transfer will be designated as "General Engineering" until requirements are met.

Approval Signatures

Authorization			
Contact	Name	Email	Signature
Sending Institution	Dr. Tisa Mason, President	tisa.mason@vcsu.edu Office of the President 5-7100	
	Dr. Margaret Dahlberg, Vice President Academic Affairs	margaret.dahlberg@vcsu.edu McFarland Hall 213 5-7200	
	Dr. Preston Bush, Department Chair Mathematics	preston.bush@vcsu.edu Rhoades 104F 5-7151	
	Dr. Andre Delorme, Department Chair Science	andre.delorme@vcsu.edu Rhoades 203D 5-7573	
Receiving Institution	Dr. Dean Bresciani President	dean.bresciani@vcsu.edu Old Main 102 1-7211	
	Dr. Beth Ingram Provost/Vice President for Academic Affairs	beth.ingram@vcsu.edu Old Main 103 1-7131	
	Dr. Gary Smith Dean, College of Engineering	gary.smith@ndsu.edu CoE Admin 208 1-7525	

	Dr. Sreekala Bajwa Professor Department Chair, Agricultural & Biosystems Engineering	sreekala.bajwa@ndsu.edu ABEN 101 1-7265	
	Dr. Dinesh Katti Professor Department Chair, Civil & Environmental Engineering	dinesh.katti@ndsu.edu CIE 201A 1-7245	
	Om Prakash Yadav Professor Interim Department Chair, Industrial Engineering & Management, and Manufacturing Engineering	om.yadav@ndsu.edu CIE 202F 1-7285	
	Scott Smith Professor Department Chair, Electrical Engineering and Computer Engineering	scott.smith.1@ndsu.edu EE 101B 1-7608	
	Alan Kallmeyer Professor Department Chair, Mechanical Engineering	alan.kallmeyer@ndsu.edu Dolve 114 1-8835	
	Dr. Yong Bai Professor Department Chair, Construction Engineering	Yong.Bai@ndsu.edu Engineering 106A 1-6521	

20160304