SOUTH DAKOTA BOARD OF REGENTS

Academic and Student Affairs
Consent

AGENDA ITEM: 5 – G (1)
DATE: December 13-14, 2023

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SUBJECT

Articulation Agreements – SDSMT

CONTROLLING STATUTE, RULE, OR POLICY

BOR Policy 2.2.2.1 – Seamless Transfer of Credit
BOR Policy 2.2.2.3 – External (Non-Regental System) Accredited University/College Transfer of Credit

BACKGROUND / DISCUSSION

BOR Policy 2.2.2.1 – Seamless Transfer of Credit establishes requirements for institutions seeking to develop program level agreements for interested transfer students. The policy further establishes the distinction between AA, AS, and AAS degrees which are classified as transferable, terminal, or non-transferable degrees (respectively). However, the AAS is "transferable when a specific degree articulation agreement exists between a given A.A.S. degree and a specific Baccalaureate degree." Agreements established with regionally accredited institutions must be developed in conjunction with the faculty, following all institutional guidelines and are monitored as a function of the institutional program review process. Once approved, the agreements apply only at Regental institutions with equivalent programs.

IMPACT AND RECOMMENDATION

To comply with BOR Policy 2.2.2.1, South Dakota School of Mines & Technology requests approval for the following articulation agreements:

- Students who have completed the AAS degree program in Civil Engineering Technology from Southeast Technical College (STC) may apply up to 40 credits toward the BS in Civil Engineering program at SDSMT.

Board staff recommends approval.

ATTACHMENTS

Attachment I – SDSMT Articulation Agreement

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DRAFT MOTION d20231213_5-G(1):

I move to approve the articulation agreement from South Dakota School of Mines & Technology with Southeast Technical College (STC), as presented in Attachment I.

PROGRAM TO PROGRAM ARTICULATION AGREEMENT
Between
SOUTHEAST TECHNICAL COLLEGE
and
SOUTH DAKOTA MINES

Agreement with Respect to Applying the
Associate of Applied Science Degree - Civil Engineering Technology
Towards the
Bachelor of Science Degree - Civil Engineering

I. Parties

Parties to this agreement are Southeast Technical College (STC) and South Dakota Mines (SDSMT)

II. Purpose

The purpose of this agreement is to:

A. have a signed articulation agreement that addresses the varying needs of students and complementary nature of the institution's programs;
B. provide increased educational opportunities for students from South Dakota and the region.
C. extend and clarify educational opportunities for students; and
D. provide STC graduates of the Associate of Applied Science - Civil Engineering Technology degree an opportunity to earn the Bachelor of Science - Civil Engineering degree at SDSMT.

III. Academic Program

A. Upon successful completion of the Associate of Applied Science - Civil Engineering Technology degree prescribed curriculum at STC exactly as it is identified in Appendix A of this agreement, SDSMT will accept 40 credits from the associate degree coursework toward the Bachelor of Science - Civil Engineering degree requirements.

Degree Requirement:	**STC Credits**	**SDSMT Credits**	**TOTAL CREDITS**
General Education	9 cr	23 cr	**32 credits**
Required Major and Electives	31 cr	67 cr	**98 credits**
TOTAL CREDITS	**40 cr**	**90 cr**	**130 credits**

IV. Additional Requirements

A. Students transferring from STC must have a cumulative grade point average (GPA) of 2.75 or higher.
B. Students must earn a grade of "C-" or higher in each STC course.
C. Students must pass all 15 SDSMT (or other South Dakota Board of Regents institution) credits documented in Appendix A while jointly enrolled at STC.
D. Students must meet all admission and application requirements at SDSMT, including the submission of all required documentation by stated deadlines.

Students are advised to contact the Office of Admissions at SDSMT early in their transfer planning.

E. Students must meet all pre-requisite requirements.
F. Students must meet all SDBOR and SDSMT policies and graduation requirements to earn the specified BS degree.

V. Guarantees

Students who meet all requirements of this agreement are guaranteed:

A. Admission to SDSMT
B. Admission to the Bachelor of Science - Civil Engineering degree
C. No more than 75 remaining credits at SDSMT to meet the graduation requirements for the Bachelor of Science - Civil Engineering degree

VI. Limitations

A. This agreement is between the Associate of Applied Science - Civil Engineering Technology degree at STC and the Bachelor of Science – Civil Engineering degree at SDSMT only.
B. The credit and course transfer guarantees described in this agreement apply to the Associate of Applied Science - Civil Engineering Technology degree at STC and the Bachelor of Science – Civil Engineering degree at SDSMT. If the student changes majors at STC or at SDSMT, the student is no longer covered by this Agreement and none of the Guarantees of the Agreement apply.
C. Students utilizing any form of transfer credit, including but not limited to credit awarded from other higher education institutions, standardized exam (CLEP, AP, DSST, etc.), prior learning assessment (military, certifications, ACE recommended credit, portfolio, challenge exam, work experience equivalent credit) to satisfy any associate degree requirements at STC will have those credits evaluated by SDSMT. Should SDSMT not accept the transfer credits accepted by STC, the student will be required to make up the credit deficiency at SDSMT.
D. No course substitutions are allowed for the courses listed in the Prescribed Curriculum for the associate degree at STC.

VII. Effective Date of Agreement

This agreement shall be in effect upon approval of all parties.

VIII. Renewal, Revision, Modification, and Termination

A. Following initial approval of all parties, this Agreement shall be in effect July 1 – June 30 each year and will automatically renew annually unless action is taken by SDSMT or STC to terminate or modify it.
B. The SDSMT Civil and Environmental Engineering Department Head and the STC Civil Engineering/Land Surveying Technology Instructor will collaborate to review the content of the associate and bachelor degrees on a three-year cycle to ensure the Agreement is still appropriate.
C. SDSMT and STC each reserve the right to seek revision of this agreement at any time.
D. Modifications of this Agreement will be approved by each institution and result

in a new Agreement being signed, with copies retained by each institution.

E. Modifications shall not diminish the entitlements enjoyed by students who have already attended classes delivered under the terms of earlier versions of this agreement, except in rare instances in which retroactive implementations of modifications may be required to comply with accreditation standards or to conform to professional licensure requirements.
F. SDSMT and STC each reserve the right to seek termination of this Agreement at any time.
G. Should the Agreement be terminated, each institution agrees to collaborate and engage in appropriate plans to notify and work with impacted students, providing a minimum one-year advance notice of termination.

IX. Institution Contact Information

South Dakota Mines Office of the Provost 605.394.2256 Provost@sdsmt.edu	Southeast Technical College Academic Affairs 605.367.4623 Academics@southeasttech.edu

X. Acceptance of Agreement for South Dakota Mines and Southeast Technical College

Jim Rankin, Ph.D. Date President South Dakota Mines	Bob Griggs, J.D. Date President Southeast Technical College
Lance Roberts, Ph.D. Date Provost and VP for Academic Affairs South Dakota Mines	Benjamin Valdez, Ph.D. Date VP of Academic Affairs Southeast Technical College
James Stone, Ph.D. Date Department Head Civil & Environmental Engineering South Dakota Mines	Elizabeth Kassing, PE Date Instructor Civil Engineering/Land Surveying Southeast Technical College

Appendix A: Technical Program Transfer Articulation Agreement Prescribed Curriculum

SOUTH DAKOTA MINES
An engineering, science and technology university

SOUTHEAST Technical College

Technical Program Transfer Articulation Agreement

Prescribed Curriculum: Southeast Technical College

CIVIL ENGINEERING TECHNOLOGY (A.A.S.)

General Education Courses			9 CREDIT HOURS
General Education Category	**Credit Hours**	**Course ID**	**Course Title or Category**
Written Communication	3	ENGL 101	English Composition
Oral Communication	3	CMST 101	Speech
Social Sciences	3	PSYC 101	Psychology, **OR** Other Goal 3 (Soc Sci) course
Science	See "Jointly Attending Southeast Tech" section below*; CHEM 112/112L satisfies Southeast Tech science		

Required Courses			31 CREDIT HOURS
	Credit Hours	**Course ID**	**Course Title**
Other Required		MATH 114	Engineering Math Requirement (College Algebra)
		SSS 100	Student Success Seminar
		MATH 120	College Trigonometry
		CET 120	Survey II – Topo
		CET 121	Soils
		LSS 235	Intro to Small Unmanned Aircraft Systems
Engineering Technology	2	CET 102	Intro to Civil Engineering & Technical Professions
	3	CET 110	Survey I Fundamentals
	2	CAD 120 and CET 123	Computer Aided Drafting I, and Computer Aided Drafting II – Civil 3D
	3	CET 211	Construction Materials Testing
	3	CET 215	Survey III – Advanced Survey Techniques
	3	ACT 220	Construction Estimating
	3	CET 226	Computer Aided Drafting III – Roadway Corridors
	3	LSS 210	Intro to Geographic Information Systems
	3	CET 213	Statics
	3	CET 224	Water/Wastewater
	3	CET 225	Route Layout and Design

SDSMT Courses Taken While Jointly Attending Southeast Tech			15 CREDIT HOURS
SDSMT Course ID	**Course Title**	**Credit Hours**	**Note**
CHEM 112/112L	General Chemistry I and Lab	4	Taken during Year 1 at Southeast*, **
CHEM 114	General Chemistry II	3	Taken during Year 1 at Southeast**
MATH 123	Calculus I	4	Taken during Year 2 at Southeast**
MATH 125	Calculus II	4	Taken during Year 2 at Southeast**

** *Course may be taken at any SDBOR institution*

General Education Coursework (9 cr at Southeast Tech + 11 cr at SDSMT):	20 credit hours
Required Coursework (31 cr at Southeast Tech + 4 cr at SDSMT):	+35 credit hours
Total Credits Completed Toward BS degree by end of AAS- Civil Engineering Technology:	**55 CREDIT HOURS**

Prescribed Curriculum: South Dakota Mines

Civil Engineering (B.S.)

Semester	Course No.	Course Title	Credit Hours	Completed
Fall (Semester 1)		General Education Goal 3 (Social Science) Elective*	3	
	PHYS 207	Fundamentals of Physics I	3	
	EM 331	Fluid Mechanics	3	
	MATH 381	Intro to Probability and Statistics	3	
	CEE 284	Applied Numerical Methods	3	
		Total Credits Completed		15

Semester	Course No.	Course Title	Credit Hours	Completed
Spring (Semester 2)		General Education Goal 4 (Arts/Humanities) Elective*	3	
	CEE 325	Introduction to Sustainable Design	3	
	EM 321	Mechanics of Materials	3	
	MATH 225	Calculus III	4	
	ME 221	Dynamics of Mechanisms	3	
		Total Credits Completed		16

Semester	Course No.	Course Title	Credit Hours	Completed
Fall (Semester 3)	MATH 321	Differential Equations	3	
	CEE 336/336L	Hydraulic Systems Design w/ Lab	3	
	CEE 346/346L	Geotechnical Engineering w/ Lab	3	
	CEE 353	Structural Theory	3	
	ENGL 289	Explorations in STEM Communications*	3	
		Total Credits Completed		15

Semester	Course No.	Course Title	Credit Hours	Completed
Spring (Semester 4)		General Education Goal 4 (Arts/Humanities) Elective*	3	
	Select 3 courses:	CEE 327/327L: Environmental Engineering II w/ Lab CEE 337: Engineering Hydrology CEE 347/347L Geotechnical Engineering II CEE 456 Concrete Theory & Design	9	
	Select 1 course:	GEOE 221/221L: Geology for Engineers GEOL 201: Physical Geology	3	
		Total Credits Completed		15

Semester	Course No.	Course Title	Credit Hours	Completed
Fall (Semester 5)	CEE 463	Concepts of Professional Practice	2	
	IENG 302	Engineering Economics	3	
		CEE Technical Elective (Upper Division)	3	
		CEE Technical Elective (Upper Division)	3	
	CEE 489	Capstone Design	3	
		Total Credits Completed		14

*General Education Coursework (after AAS degree):	12 credit hours
Required Coursework (after AAS degree):	+63 credit hours
South Dakota Mines Coursework Total (after AAS degree):	**75** CREDIT HOURS

Bachelor of Science – Civil Engineering Total:	**130** CREDIT HOURS