SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS

Substantive Program Modification Form

UNIVERSITY:	SDSU
CURRENT PROGRAM DEGREE:	B.S.
CURRENT PROGRAM MAJOR/MINOR:	Concrete Industry Management
CURRENT SPECIALIZATION	N/A
CIP CODE:	15.1501
UNIVERSITY DEPARTMENT:	Construction & Operations Management
BANNER DEPARTMENT CODE:	SCOM
UNIVERSITY COLLEGE:	Jerome J Lohr College of Engineering
BANNER COLLEGE CODE:	3E

University Approval

To the Board of Regents and the Executive Director: I certify that I have read this proposal, that I believe it to be accurate, and that it has been evaluated and approved as provided by university policy.

Dennis D. Hedge	3/28/2024
Vice President of Academic Affairs or President of the University	Date

1. **This modification addresses a change in:**
   - ☒ Total credits required within the discipline
   - ☒ Total credits of supportive course work
   - ☒ Total credits of elective course work
   - ☐ Total credits required for program
   - ☐ Program name
   - ☐ Existing specialization
   - ☐ CIP Code
   - ☐ Other (explain below)
   - ☐ Modification requiring Board of Regents approval
   Must have prior approval from Executive Director or designee

2. **Effective date of change:** 2024-2025 Academic Year

3. **Program Degree Level:** Associate ☐   Bachelor's ☒   Master's ☐   Doctoral ☐

4. **Category:** Certificate ☐   Specialization ☐   Minor ☐   Major ☒

5. **If a name change is proposed, the change will occur:**
   ☐ On the effective date for all students
   ☐ On the effective date for students new to the program (enrolled students will graduate from existing program)
   Proposed new name:

6. **Is the program being modified associated with a current articulation agreement?** Yes ☐ No ☒
   a. **If yes, will the articulation agreement need to be updated with the partner institution following the approve of the program change? Please explain:**

7. **Primary Aspects of the Modification:**

Existing Curriculum				*Proposed Curriculum (highlight changes)*			
Pref.	Num.	Title	Cr. Hrs.	Pref.	Num.	Title	Cr. Hrs.
System General Education Requirements			**33**	**System General Education Requirements**			**33**
System General Education Requirements - Electives			**15**	**System General Education Requirements - Electives**			**15**
SGR 1	Elective	Written Communication	3	SGR 1	Elective	Written Communication	3
SGR 1	Elective	Written Communication	3	SGR 1	Elective	Written Communication	3
SGR 2	Elective	Oral Communications	3	SGR 2	Elective	Oral Communications	3
SGR 3	Elective	Social Sciences	3	SGR 3	Elective	Social Sciences	3
SGR 6	Elective	Natural Sciences	3	SGR 6	Elective	Natural Sciences	3
System General Education Requirements – Required			**18**	**System General Education Requirements – Required**			**18**
ECON	201	Principles of Microeconomics (SGR 3)	3	ECON	201	Principles of Microeconomics (SGR 3)	3
SPAN	101	Introductory Spanish I (SGR 4)	4	SPAN	101	Introductory Spanish I (SGR 4)	4
SPAN	102	Introductory Spanish II (SGR 4)	4	SPAN	102	Introductory Spanish II (SGR 4)	4
MATH	114	College Algebra (SGR 5)	3	MATH	114	College Algebra (SGR 5)	3
CHEM	106	Survey of Chemistry (SGR 6)	3	CHEM	106	Survey of Chemistry (SGR 6)	3
CHEM	106L	Survey of Chemistry Lab (SGR 6)	1	CHEM	106L	Survey of Chemistry Lab (SGR 6)	1
Major Requirements			**56**	**Major Requirements**			**65**
CIM	101	Introduction to Concrete Industry Management	2	CIM	101	Introduction to Concrete Industry Management	2
CIM	120	Introduction to Industrial Safety	3	CIM	120	Introduction to Industrial Safety	3
CIM	125	Plans and Specifications	2	CIM	125	Plans and Specifications	2
CIM	210	Fundamentals of Concrete: Properties and Testing	3	CIM	210	Fundamentals of Concrete: Properties and Testing	3
CIM	210L	Fundamentals of Concrete: Properties and Testing Lab	1	CIM	210L	Fundamentals of Concrete: Properties and Testing Lab	1
CIM	230	Concrete Const Systems	3	CIM	230	Concrete Const Systems	3
CIM	310	Management of Concrete Facilities	3	CIM	310	Management of Concrete Facilities	3
CIM	350	Concrete Applications and Est.	3	CIM	350	Concrete Applications and Est.	3
CIM	370	Concrete Production and Strategy	2	CIM	370	Concrete Production and Strategy	2
CIM	440	Advanced Concrete Materials	3	CIM	440	Advanced Concrete Materials	3
CIM	440L	Advanced Concrete Materials Lab	1	CIM	440L	Advanced Concrete Materials Lab	1
CIM	471	Capstone	3	CIM	471	Capstone	3
CIM	480	Concrete Industry Sales and Marketing	3	CIM	480	Concrete Industry Sales and Marketing	3
CIM	494	Internship	3	CIM	494	Internship	3
CM	130	Management Tools and Analysis	3	CM	130	Management Tools and Analysis	3
CM	232	Cost Estimating	3	CM	232	Cost Estimating	3
CM OR GE	400 425	Risk Management and Construction Safety Occupational Safety and Health Management	3	CM OR GE	400 425	Risk Management and Construction Safety Occupational Safety and Health Management	3
				CM	443	Construction Planning and Scheduling	3
CM	460	Sustainable Building Systems	3	CM	460	Sustainable Building Systems	3
CM	473	Construction Law and Contracts	3	CM	473	Construction Law and Contracts	3
MNET	231	Manufacturing Processes I	2	~~MNET~~	~~231~~	~~Manufacturing Processes I~~	~~2~~
MNET	231L	Manufacturing Processes I Lab	1	~~MNET~~	~~231L~~	~~Manufacturing Processes I Lab~~	~~1~~
MNET	367	Production Strategy	2	~~MNET~~	~~367~~	~~Production Strategy~~	~~2~~
MNET	367L	Production Strategy Lab	1	~~MNET~~	~~367L~~	~~Production Strategy Lab~~	~~1~~
						CM, CEE, or MNET Electives 200-level or above	6
						CM, CEE, MNET, OM, ACCT, ADV, BADM, BLAW, MKTG, MGMT, FIN, or HRM Electives 200-level or above	6
Supporting Coursework			**31**	**Supporting Coursework**			**22**
GE	101	Intro to Engineering	1	GE	101	Intro to Engineering	1
GE	469	Project Management	3	~~GE~~	~~469~~	~~Project Management~~	~~3~~
OM	425	Production and Operations Management	3	~~OM~~	~~425~~	~~Production and Operations Management~~	~~3~~
OM	463	Supply Chain Management	3	~~OM~~	~~463~~	~~Supply Chain Management~~	~~3~~

Existing Curriculum				*Proposed Curriculum (==highlight changes==)*			
Pref.	**Num.**	**Title**	**Cr. Hrs.**	**Pref.**	**Num.**	**Title**	**Cr. Hrs**
STAT	281	Introduction to Statistics	3	STAT	281	Introduction to Statistics	3
		Select one of the following minors:	18			*Select one of the following minors:*	18
		Management Minor				Management Minor	
ACCT	210	Principles of Accounting I	3	ACCT	210	Principles of Accounting I	3
ACCT	211	Principles of Accounting II	3	ACCT	211	Principles of Accounting II	3
BADM/ MGMT	360	Organization and Management	3	BADM/ MGMT	360	Organization and Management	3
CSC/ MGMT	325	Management Information Systems	3	CSC/ MGMT	325	Management Information Systems	3
FIN	310	Business Finance	3	FIN	310	Business Finance	3
HRM	460	Human Resource Management	3	HRM	460	Human Resource Management	3
		Marketing Minor				Marketing Minor	
ADV	314	Digital Promotions	3	ADV	314	Digital Promotions	3
ADV	370	Advertising Principles	3	ADV	370	Advertising Principles	3
MKTG	370	Marketing	3	MKTG	370	Marketing	3
MKTG	474	Personal Selling	3	MKTG	474	Personal Selling	3
MKTG	476	Marketing Research	3	MKTG	476	Marketing Research	3
MGMT	334	Small Business Management	3	MGMT	334	Small Business Management	3
Electives			**0**	**Electives**			**0**
Summary of Credits Concrete Industry Management (B.S.)							
System General Education Requirements			**33**	**System General Education Requirements**			**33**
Major Requirements			**56**	**==Major Requirements==**			**==65==**
Supporting Coursework			**31**	**==Supporting Coursework==**			**==22==**
Electives			**0**	**Electives**			**0**
Total number of hours required for major			105	Total number of hours required for major			105
Total number of hours required for degree			120	Total number of hours required for degree			120

8. Explanation of the Change:

The Department of Construction and Operations Management has reviewed the Concrete Industry Management curriculum. MNET 231-231L Manufacturing Processes I & Lab (2, 1 cr.), MNET 367-367L Production Strategy & Lab (2, 1 cr.), OM 452 Production and Operations Management (3 cr.), and OM 463 Supply Chain Management (3 cr.) were removed from the program requirements. Students will complete 12 elective credits from the CM, CEE, MNET, OM, ACCT, ADV, BADM, BLAW, MKTG, MGMT, FIN, or HRM prefixes. This change will allow students to select coursework in various career pathways that apply to the concrete industry including operations management, construction management, sustainability, and administration. In addition, due to course availability GE 469 Project Management (3 cr.) has been replaced by CM 443 Construction Planning and Scheduling (3 cr.)