

The University of South Dakota-Community College for Sioux Falls (CCSF) Major Credit Hour count: 96 [130 degree]



Major: Biomedical Engineering, B.S.

[2020-2021 Academic Catalog]	CCD /M-:-			CCD /Mailer	
Year / Semester	SGR/Major Requirement	Cr Hrs	Year / Semester	SGR/Major Requirement	Cr Hrs
Teal / Semester	Requirement	Cillis	Teat / Semester	Requirement	Cillis
First Year - 1st Semester			First Year - 2nd Semester		
ISCI 151/L: Integrated Science I	SGR 6	4	ISCI 153/L: Integrated Science II	SGR 6	4
MATH 123: Calculus I	SGR 5+BS	5	MATH 125/L: Calculus II	Major	5
ENGL 101: Composition I	SGR 1	3	CSC 170/L: Programming	Major	3
Fine Arts	SGR 4	3	PHYS 211/L: University Physics I	Major	4
BME 101/L: Intro to BME/Lab	Major	2	• •	3	
Semester Cred		17	Semeste	er Credit Hours:	16
Second Year - 1st Semester			Second Year - 2nd Semester		
ISCI 225/225L: Integrated Science III/Lab	BS + M	4	ISCI/BME 335/L: Biomedical Technologies/L	Major	4
MATH 225: Calculus III	Major	4	MATH 321: Differential Equations	Major	3
			CHEM 328/L: OChem II or CHEM 330:		
CHEM 326/L: Organic Chemistry	Major	5	Struc. Func. Bio	BS+Major	5
BME 304: BME Fluid Mechanics	Major	3	BME/EM 214: Statics	Major	3
			SPCM 101: Fundamentals of Speech	SGR 2	3
Semest	er Credit Hours:	16		er Credit Hours:	18
Third Year - 1st Semester			Third Year - 2nd Semester		
BME 303: Introduction to Biomechanics	Major	3	BME 306: BME Thermodynamics	Major	3
MATH 481: Probablity and Statistics (Math					
Minor)	Major	3	BME 305: BME Transport Phenomena	Major	3
BME 300: Quantitative Systems Phys I	Major	3	BME 302: Quantitaive Systems Phys II	Major	3
BME/MET 232: Properties of Materials	Major	3	BME 463/L: BME Lab	Major	1
BME/IENG 301: Engineering Economics	Major	2	Social Science	SGR 3	3
Department Approved Elective: ENGL 210	BS+ Major	3	ENGL 201: Composition II	SGR 1	3
		17		er Credit Hours:	16
Fourth Year - 1st Semester			Fourth Year - 2nd Semester		
BME 464: BME Senior Design I	Major	3	BME 465: BME Senior Design II	Major	3
BME 401: Introduction to Biomaterials	Major	3	BME Electives	Major	6
			Department Approved Social Science or		
Engineering Elective	Major	3	Humanities Electives	BS+Major	3
Department Approved Social Science or					_
Humanities Electives	BS+ Major	3	Social Science	SGR 3	3
Humanities	SGR 4	3		G 114 TT	
Semest	er Credit Hours:	15		er Credit Hours:	15
			Total Majo	or Requirements	130

Notes: New Joint program with SDSM&T 2019-2020