

Graduates in Biotech Fields in South Dakota

2001-2007

Public Universities Only

CIP	CIP Title	Major Title	Degree	BHSU	NSU	SDSU	USD	System
2001-2006 Graduates from South Dakota's Public Universities								
	FY 2001 Total Graduates			23	29	249	75	376
	FY 2002 Total Graduates			16	17	241	76	350
	FY 2003 Total Graduates			19	18	201	59	297
	FY 2004 Total Graduates			20	24	218	62	324
	FY 2005 Total Graduates			13	21	230	75	339
	FY 2006 Total Graduates			19	17	232	74	342
	FY 2007 Total Graduates			19	29	282	70	400
2001-2007 Total Graduates				129	155	1,653	491	2,428

BHSU [Black Hills State University](#) Spearfish, SD
 NSU [Northern State University](#) Aberdeen, SD
 SDSU [South Dakota State University](#) Brookings, SD
 USD [University of South Dakota](#) Vermillion, SD

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CIP	CIP Title	Major Title	Degree	BHSU	NSU	SDSU	USD	System
FY 2001								
010000	Agriculture, General	General Agriculture	A	0	0	8	0	8
010000	Agriculture, General	General Agriculture	B	0	0	20	0	20
011102	Agronomy and Crop Science	Agronomy	B	0	0	44	0	44
010901	Animal Sciences, General	Animal Sciences	B	0	0	58	0	58
260101	Biology/Biological Sciences, General	Biology	B	23	21	51	56	151
511005	Clinical Laboratory Science/Medical Technology/Technologist	Medical Technology	B	0	1	3	6	10
010905	Dairy Science	Dairy Production	B	0	0	10	0	10
261301	Ecology	Environmental Science	B	0	7	0	0	7
260502	Microbiology, General (NEW)	Microbiology	B	0	0	20	0	20
011106	Range Science and Management	Range Science	B	0	0	4	0	4
011102	Agronomy and Crop Science	Agronomy	M	0	0	6	0	6
260403	Anatomy	Anatomy & Structural Biology	M	0	0	0	2	2
010901	Animal Sciences, General	Animal Sciences	M	0	0	5	0	5
260101	Biology/Biological Sciences, General	Biology	M	0	0	4	8	12
010905	Dairy Science	Dairy Science	M	0	0	2	0	2
260502	Microbiology, General (NEW)	Microbiology	M	0	0	3	0	3
011102	Agronomy and Crop Science	Agronomy	D	0	0	2	0	2
260403	Anatomy	Anatomy & Structural Biology	D	0	0	0	1	1
010901	Animal Sciences, General	Animal Sciences	D	0	0	2	0	2
260101	Biology/Biological Sciences, General	Biological Sciences	D	0	0	7	1	8
260503	Medical Microbiology and Bacteriology (NEW)	Biochemistry & Molecular Biol	D	0	0	0	1	1
FY 2001 Total Graduates				23	29	249	75	376

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CIP	CIP Title	Major Title	Degree	BHSU	NSU	SDSU	USD	System
FY 2002								
010000	Agriculture, General	General Agriculture	A	0	0	12	0	12
010000	Agriculture, General	General Agriculture	B	0	0	17	0	17
011102	Agronomy and Crop Science	Agronomy	B	0	0	26	0	26
010901	Animal Sciences, General	Animal Sciences	B	0	0	59	0	59
260101	Biology/Biological Sciences, General	Biology	B	16	11	43	63	133
511005	Clinical Laboratory Science/Medical Technology/Technologist	Clinical Laboratory Tech	B	0	2	5	0	7
010905	Dairy Science	Dairy Production	B	0	0	11	0	11
261301	Ecology	Environmental Science	B	0	4	0	0	4
260502	Microbiology, General (NEW)	Microbiology	B	0	0	21	0	21
011106	Range Science and Management	Range Science	B	0	0	8	0	8
011102	Agronomy and Crop Science	Agronomy	M	0	0	1	0	1
010901	Animal Sciences, General	Animal Sciences	M	0	0	7	0	7
260101	Biology/Biological Sciences, General	Biology	M	0	0	4	6	10
260102	Biomedical Sciences, General (NEW)	Biomedical Sciences	M	0	0	0	2	2
010905	Dairy Science	Dairy Science	M	0	0	3	0	3
260702	Entomology	Entomology	M	0	0	1	0	1
260305	Medical Microbiology and Bacteriology (NEW)	Plant Pathology	M	0	0	1	0	1
260502	Microbiology, General (NEW)	Microbiology	M	0	0	6	0	6
011101	Plant Sciences, General	Plant Science	M	0	0	5	0	5
011102	Agronomy and Crop Science	Agronomy	D	0	0	4	0	4
010901	Animal Sciences, General	Animal Sciences	D	0	0	1	0	1
260101	Biology/Biological Sciences, General	Biological Sciences	D	0	0	6	1	7
260503	Medical Microbiology and Bacteriology (NEW)	Microbiology	D	0	0	0	3	3
260901	Physiology, General (NEW)	Physiology/Pharmacology	D	0	0	0	1	1
FY 2002 Total Graduates				16	17	241	76	350

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FY 2003								
010000	Agriculture, General	General Agriculture	A	0	0	7	0	7
010000	Agriculture, General	General Agriculture	B	0	0	8	0	8
011102	Agronomy and Crop Science	Agronomy	B	0	0	25	0	25
010901	Animal Sciences, General	Animal Sciences	B	0	0	48	0	48
260101	Biology/Biological Sciences, General	Biology	B	19	14	46	39	118
511005	Clinical Laboratory Science/Medical Technology/Technologist	Medical Technology	B	0	2	6	6	14
010905	Dairy Science	Dairy Manufacturing	B	0	0	10	0	10
261301	Ecology	Environmental Science	B	0	2	0	0	2
260502	Microbiology, General (NEW)	Microbiology	B	0	0	15	0	15
011106	Range Science and Management	Range Science	B	0	0	5	0	5
011102	Agronomy and Crop Science	Agronomy	M	0	0	4	0	4
010901	Animal Sciences, General	Animal Sciences	M	0	0	4	0	4
260101	Biology/Biological Sciences, General	Biology	M	0	0	10	9	19
260502	Microbiology, General (NEW)	Microbiology	M	0	0	4	0	4
011101	Plant Sciences, General	Plant Science	M	0	0	1	0	1
011102	Agronomy and Crop Science	Agronomy	D	0	0	1	0	1
010901	Animal Sciences, General	Animal Sciences	D	0	0	4	0	4
260101	Biology/Biological Sciences, General	Biological Sciences	D	0	0	3	1	4
260503	Medical Microbiology and Bacteriology (NEW)	Microbiology	D	0	0	0	4	4
FY 2003 Total Graduates				19	18	201	59	297

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FY 2004								
010000	Agriculture, General	General Agriculture	A	0	0	16	0	16
010000	Agriculture, General	General Agriculture	B	0	0	7	0	7
011102	Agronomy and Crop Science	Agronomy	B	0	0	21	0	21
010901	Animal Sciences, General	Animal Sciences	B	0	0	37	0	37
260101	Biology/Biological Sciences, General	Biology	B	20	20	60	50	150
511005	Clinical Laboratory Science/Medical Technology/Technologist	Medical Technology	B	0	1	3	4	8
010905	Dairy Science	Dairy Production	B	0	0	12	0	12
261301	Ecology	Environmental Science	B	0	3	0	0	3
260502	Microbiology, General (NEW)	Microbiology	B	0	0	20	0	20
011106	Range Science and Management	Range Science	B	0	0	5	0	5
011102	Agronomy and Crop Science	Agronomy	M	0	0	1	0	1
010901	Animal Sciences, General	Animal Sciences	M	0	0	2	0	2
260101	Biology/Biological Sciences, General	Biology	M	0	0	16	3	19
260102	Biomedical Sciences, General (NEW)	Biomedical Sciences	M	0	0	0	3	3
011101	Plant Sciences, General	Plant Science	M	0	0	6	0	6
011102	Agronomy and Crop Science	Agronomy	D	0	0	1	0	1
260101	Biology/Biological Sciences, General	Biological Sciences	D	0	0	11	0	11
260102	Biomedical Sciences, General (NEW)	Biomedical Sciences	D	0	0	0	1	1
260503	Medical Microbiology and Bacteriology (NEW)	Biochemistry & Molecular Biology	D	0	0	0	1	1
FY 2004 Total Graduates				20	24	218	62	324

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FY 2005								
010000	Agriculture, General	General Agriculture	A	0	0	8	0	8
010000	Agriculture, General	General Agriculture	B	0	0	8	0	8
011102	Agronomy and Crop Science	Agronomy	B	0	0	19	0	19
010901	Animal Sciences, General	Animal Sciences	B	0	0	57	0	57
260101	Biology/Biological Sciences, General	Biology	B	13	15	58	49	135
511005	Clinical Laboratory Science/Medical Technology/Technologist	Medical Technology	B	0	1	3	6	10
010905	Dairy Science	Dairy Manufacturing	B	0	0	10	0	10
261301	Ecology	Environmental Science	B	0	5	0	0	5
260502	Microbiology, General (NEW)	Microbiology	B	0	0	13	0	13
011106	Range Science and Management	Range Science	B	0	0	13	0	13
011102	Agronomy and Crop Science	Agronomy	M	0	0	1	0	1
010901	Animal Sciences, General	Animal Sciences	M	0	0	7	0	7
260101	Biology/Biological Sciences, General	Biology	M	0	0	15	12	27
260102	Biomedical Sciences, General (NEW)	Biomedical Sciences	M	0	0	0	3	3
010905	Dairy Science	Dairy Science	M	0	0	1	0	1
011101	Plant Sciences, General	Plant Science	M	0	0	6	0	6
011102	Agronomy and Crop Science	Agronomy	D	0	0	1	0	1
010901	Animal Sciences, General	Animal Sciences	D	0	0	2	0	2
260101	Biology/Biological Sciences, General	Biological Sciences	D	0	0	8	3	11
260102	Biomedical Sciences, General (NEW)	Biomedical Sciences	D	0	0	0	1	1
260901	Physiology, General (NEW)	Physiology/Pharmacology	D	0	0	0	1	1
FY 2005 Total Graduates				13	21	230	75	339

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CIP	CIP Title	Major Title	Degree	BHSU	NSU	SDSU	USD	System
FY 2006								
010000	Agriculture, General	General Agriculture	A	0	0	9	0	9
010000	Agriculture, General	General Agriculture	B	0	0	13	0	13
011102	Agronomy and Crop Science	Agronomy	B	0	0	14	0	14
010901	Animal Sciences, General	Animal Sciences	B	0	0	46	0	46
260101	Biology/Biological Sciences, General	Biology	B	19	15	78	55	167
511005	Clinical Laboratory Science/Medical Technology/Technologist	Medical Technology	B	0	1	8	4	13
010905	Dairy Science	Dairy Manufacturing	B	0	0	10	0	10
261301	Ecology	Environmental Science	B	0	1	0	0	1
260502	Microbiology, General (NEW)	Microbiology	B	0	0	12	0	12
011106	Range Science and Management	Range Science	B	0	0	7	0	7
010901	Animal Sciences, General	Animal Sciences	M	0	0	6	0	6
260101	Biology/Biological Sciences, General	Biology	M	0	0	15	5	20
260102	Biomedical Sciences, General (NEW)	Biomedical Sciences	M	0	0	0	3	3
011101	Plant Sciences, General	Plant Science	M	0	0	6	0	6
011102	Agronomy and Crop Science	Agronomy	D	0	0	1	0	1
010901	Animal Sciences, General	Animal Sciences	D	0	0	1	0	1
260101	Biology/Biological Sciences, General	Biological Sciences	D	0	0	6	3	9
260102	Biomedical Sciences, General (NEW)	Biomedical Sciences	D	0	0	0	4	4
FY 2006 Total Graduates				19	17	232	74	342

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FY 2007								
010000	Agriculture, General	General Agriculture	A	0	0	10	0	10
010000	Agriculture, General	General Agriculture	B	0	0	15	0	15
011102	Agronomy and Crop Science	Agronomy	B	0	0	27	0	27
010901	Animal Sciences, General	Animal Sciences	B	0	0	50	0	50
260101	Biology/Biological Sciences, General	Biology	B	19	20	78	50	167
511005	Clinical Laboratory Science/Medical Technology/Technologist	Medical Technology	B	0	1	14	5	20
010905	Dairy Science	Dairy Manufacturing	B	0	0	13	0	13
261301	Ecology	Environmental Science	B	0	8	0	0	8
260502	Microbiology, General (NEW)	Microbiology	B	0	0	17	0	17
011106	Range Science and Management	Range Science	B	0	0	12	0	12
010901	Animal Sciences, General	Animal Sciences	M	0	0	6	0	6
260101	Biology/Biological Sciences, General	Biology	M	0	0	22	5	27
260102	Biomedical Sciences, General (NEW)	Biomedical Sciences	M	0	0	0	2	2
011101	Plant Sciences, General	Plant Science	M	0	0	8	0	8
011102	Agronomy and Crop Science	Agronomy	D	0	0	1	0	1
010901	Animal Sciences, General	Animal Sciences	D	0	0	0	0	0
260101	Biology/Biological Sciences, General	Biological Sciences	D	0	0	9	1	10
260102	Biomedical Sciences, General (NEW)	Biomedical Sciences	D	0	0	0	7	7
FY 2007 Total Graduates				19	29	282	70	400

Source: South Dakota Board of Regents, Graduates by University, Degree, and Field of Study, June 2007. Compiled by the South Dakota Governor's Office of Economic Development. Please call 1-800-872-6190 if you have any questions.

CIP stands for Classification of Instructional Programs and is a coding/categorizing system developed by the National Center for Education Statistics for standardized data collection.

Biotech Industry Educational Disciplines in South Dakota Public Universities

Fall 2007 Census Date Extract
Associate's & Bachelor's Degree Students

CIP	University Major Title	Degree	FRE	SOP	JUR	SEN	Total
Black Hills State University							
260101	Biology	B	212	82	63	31	388
BHSU Total			212	82	63	31	388
Northern State University							
260101	Biology	B	20	28	19	20	87
511005	Medical Technology	B	9	2	2	1	14
NSU Total			29	30	21	21	101
South Dakota State University							
010000	General Agriculture	A	24	5	1		30
010000	General Agriculture	B	33	21	13	14	81
010901	Animal Sciences	B	87	63	69	76	295
010905	Dairy Manufacturing	B	6	9	5	14	34
010905	Dairy Production	B	7	9	11	5	32
011102	Agronomy	B	27	32	28	34	121
011106	Range Science	B	8	8	5	18	39
110101	Computer Science	B	42	18	12	15	87
140301	Agricultural & Biosystems Engr	B	22	16	14	14	66
140701	Chemical Engineering	B		2			2
260101	Biology	B	116	87	88	120	411
260202	Biochemistry	B	1	2	3		6
260502	Microbiology	B	8	7	11	33	59
511005	Clinical & Laboratory Sciences	B	8	9	12	23	52
SDSU Total			389	288	272	366	1,315
University of South Dakota							

260101	Biology	B	96	67	66	81	310
511005	Medical Technology	B	15	7	7	12	41
USD Total			111	74	73	93	351

Total Enrollment, All Universities			741	474	429	511	2,155
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Source: South Dakota Board of Regents, November 27, 2007.

All CIP Codes/Titles in the Biotech Industry

CIP Code	CIP Title
010000	Agriculture, General
010302	Animal/Livestock Husbandry and Production
010304	Crop Production
010901	Animal Sciences, General
010902	Agricultural Animal Breeding
010903	Animal Health
010904	Animal Nutrition
010905	Dairy Science
010907	Poultry Science
010999	Animal Sciences, Other
011001	Food Science
011101	Plant Sciences, General
011102	Agronomy and Crop Science
011103	Horticultural Science
011104	Agricultural and Horticultural Plant Breeding (NEW)
011105	Plant Protection and Integrated Pest Management
011106	Range Science and Management
011199	Plant Sciences, Other
011201	Soil Science and Agronomy, General
011202	Soil Chemistry and Physics (NEW)
011203	Soil Microbiology (NEW)
140501	Biomedical/Medical Engineering
141001	Electrical, Electronics and Communications Engineering
260101	Biology/Biological Sciences, General
260102	Biomedical Sciences, General (NEW)
260202	Biochemistry
260203	Biophysics
260204	Molecular Biology
260205	Molecular Biochemistry (NEW)
260206	Molecular Biophysics (NEW)
260207	Structural Biology (NEW)
260208	Photobiology (NEW)
260209	Radiation Biology/Radiobiology
260210	Biochemistry/Biophysics and Molecular Biology (NEW)
260301	Botany/Plant Biology
260307	Plant Physiology

All CIP Codes/Titles in the Biotech Industry

CIP Code	CIP Title
260308	Plant Molecular Biology (NEW)
260399	Botany/Plant Biology, Other
260401	Cell/Cellular Biology and Histology
260403	Anatomy
260404	Developmental Biology and Embryology (NEW)
260405	Neuroanatomy (NEW)
260406	Cell/Cellular and Molecular Biology (NEW)
260407	Cell Biology and Anatomy (NEW)
260499	Cell/Cellular Biology and Anatomical Sciences, Other
260502	Microbiology, General (NEW)
260503	Medical Microbiology and Bacteriology (NEW)
260503	Medical Microbiology and Bacteriology (NEW)
260504	Virology
260505	Parasitology
260506	Mycology (NEW)
260507	Immunology
260707	Animal Physiology (NEW)
260801	Genetics, General (NEW)
260802	Molecular Genetics (NEW)
260803	Microbial and Eukaryotic Genetics (NEW)
260804	Animal Genetics (NEW)
260805	Plant Genetics (NEW)
260806	Human/Medical Genetics
260899	Genetics, Other (NEW)
260901	Physiology, General (NEW)
260902	Molecular Physiology (NEW)
260903	Cell Physiology (NEW)
260904	Endocrinology (NEW)
260905	Reproductive Biology (NEW)
260906	Neurobiology and Neurophysiology (NEW)
260907	Cardiovascular Science (NEW)
260908	Exercise Physiology (NEW)
260909	Vision Science/Physiological Optics (NEW)
260910	Pathology/Experimental Pathology (NEW)
260911	Oncology and Cancer Biology (NEW)
260999	Physiology, Pathology, and Related Sciences, Other (NEW)

All CIP Codes/Titles in the Biotech Industry

CIP Code	CIP Title
261001	Pharmacology
261002	Molecular Pharmacology (NEW)
261003	Neuropharmacology (NEW)
261004	Toxicology
261005	Molecular Toxicology (NEW)
261006	Environmental Toxicology (NEW)
261007	Pharmacology and Toxicology (NEW)
261099	Pharmacology and Toxicology, Other (NEW)
261101	Biometry/Biometrics
261102	Biostatistics
261201	Biotechnology
261301	Ecology
261302	Marine Biology and Biological Oceanography
261303	Evolutionary Biology
261304	Aquatic Biology/Limnology (NEW)
261305	Environmental Biology (NEW)
261306	Population Biology (NEW)
261307	Conservation Biology (NEW)
261308	Systematic Biology/Biological Systematics (NEW)
261309	Epidemiology
261399	Ecology, Evolution, Systematics and Population Biology, Other (NEW)
301701	Behavioral Sciences (NEW)
301901	Nutrition Sciences
302401	Neuroscience
410101	Biology Technician/Biotechnology Laboratory Technician
510603	Dental Laboratory Technology/Technician
510801	Medical/Clinical Assistant
510802	Clinical/Medical Laboratory Assistant
510811	Pathology/Pathologist Assistant (NEW)
510899	Allied Health and Medical Assisting Services, Other
510905	Nuclear Medical Technology/Technologist
510907	Medical Radiologic Technology/Science - Radiation Therapist
510909	Surgical Technology/Technologist
510911	Radiologic Technology/Science - Radiographer (NEW)
510916	Radiation Protection/Health Physics Technician (NEW)
510999	Allied Health Diagnostic, Intervention, and Treatment Professions, Other

All CIP Codes/Titles in the Biotech Industry

CIP Code	CIP Title
511001	Blood Bank Technology Specialist
511002	Cytotechnology/Cytotechnologist
511003	Hematology Technology/Technician
511004	Clinical/Medical Laboratory Technician
511005	Clinical Laboratory Science/Medical Technology/Technologist
511006	Ophthalmic Laboratory Technology/Technician
511007	Histologic Technology/Histotechnologist (NEW)
511008	Histologic Technician (NEW)
511010	Cytogenetics/Genetics/Clinical Genetics Technology/Technologist (NEW)
511011	Renal/Dialysis Technologist/Technician (NEW)
511099	Clinical/Medical Laboratory Science and Allied Professions, Other
511401	Medical Scientist (MS, PhD)
512307	Orthotist/Prosthetist
512312	Assistive/Augmentative Technology and Rehabilitation Engineering (NEW)